

Appendix H:  
Limited Phase II Environmental Site Assessment

9 June 2021

Mr. Bob Close  
Hillwood Enterprises, L.P.  
Vice President, Development  
901 Via Piemonte, Suite 175  
Ontario, CA 91764

**Subject: Limited Phase II Environmental Site Assessment  
Gateway South Building 8  
North of East Norman Road and West of Lena Road  
San Bernardino County, California**

Dear Mr. Close,

Geosyntec Consultants, Inc. (Geosyntec) is pleased to submit this limited Phase Environmental Site Assessment (ESA) report documenting assessment activities performed in support of a potential property transaction involving the approximately 15.5-acre property located north of East Norman Road and west of Lena Road, in San Bernardino, California 92410 (the Site). This limited Phase II ESA was prepared in accordance with the scope of work described in Geosyntec's proposal dated 28 April 2021, which was approved by Hillwood Enterprises, L.P (Hillwood) on 10 May 2021.

## **OBJECTIVES AND SCOPE OF WORK**

The objective of the limited Phase II ESA was to identify potential impacts to Site soil and soil vapor associated with historical automotive storage and dismantling operations, and potential impacts to soil from historical agricultural use, in preparation for development of the Site with a warehouse for commercial/light industrial use. The limited Phase II ESA scope of work was developed to evaluate the presence of Constituents of Concern (COCs) in soil, including the following:

**Auto Parts Dismantling/Recycling Area Investigation:** Soil samples were collected at depths of 0.0-0.5 feet below ground surface (bgs) and 1.5-2.0 ft bgs from borings B-1 through B-4. These soil samples were analyzed for the following:

- Title 22 Metals by EPA 6010B/7471A;
- Total petroleum hydrocarbons (TPH) by EPA 8015B.

Environmental Support Technology (EST) was subcontracted to perform a soil vapor survey involving the collection of five soil vapor samples at an approximate depth of five feet bgs. Soil vapor samples were analyzed in an on-site mobile laboratory for volatile organic compounds (VOCs) by USEPA Method 8260B.

**Historical Agricultural Area Investigation:** Surface soil samples were collected at depths of 0.0-0.5 feet bgs and 1.5-2.0 feet bgs from borings B-5 through B-8 (Figure 2). These soil samples were analyzed for the following:

- Title 22 Metals by EPA 6010B/7471A; and
- Organochlorine pesticides (OCPs) by EPA Method 8081A/B.

Soil and soil vapor sampling locations are shown on Figure 2. The soil and soil vapor analytical results are provided in Appendices A and B, respectively. Implementation and results of the assessment activities are reported herein.

## FIELD IMPLEMENTATION

### Soil Sampling

On 27 May 2021 Geosyntec conducted a one-day investigation to evaluate the presence of COCs in soil and soil vapor. Geosyntec collected a total of 16 soil samples from eight borings from the historical automotive operations areas (B-1 through B-4) and historical agricultural areas (B-5 through B-8) of the Site (Figure 2). Hand tools were decontaminated between samples using a three-bucket rinse method. The soil samples were stored in coolers with ice and released under standard chain of custody protocol to Eurofins Calscience (Calscience) of Garden Grove, California to be analyzed for the methods described above.

### Soil Vapor Sampling

EST installed 5 temporary soil vapor probes (SV-1 through SV-5) using a direct push technology (DPT) rig. Upon completion of drilling, soil vapor probes were installed in each borehole at a depth of approximately 5 ft bgs (Figure 2).

Consistent with the DTSC Advisory on Active Soil Gas Investigations, the soil vapor probes were constructed using ¼ inch Nylaflow® tubing connected via a speed-fit fitting to a two-inch-long, ¼-inch-diameter high-density porous polyethylene implant. A 1-foot sand filter pack was placed in the borehole to a height of approximately 6 inches above the porous implant. Granular bentonite was then placed and wetted in six-inch lifts to seal the remainder of the borehole annulus to ground surface. The soil vapor probes were fitted with valves at the ground surface to maintain an air-tight seal. Following installation, soil vapor probes were allowed to equilibrate for a minimum of

two hours prior to initiating purging and sampling activities. The California-certified mobile laboratory technician immediately transported the sample to the onsite mobile laboratory for analysis of VOCs by EPA Method 8260.

## RESULTS

### Soil Sampling Results

Laboratory analytical reports are provided in Attachment A. Analytical results were compared to the California Department of Toxic Substance Control (DTSC), Human and Ecological Risk Office Note 3 Screening Levels (SLs) and Environmental Protection Agency (EPA) Regional Screening Levels (RSLs), where applicable. The results for TPH were compared to San Francisco Regional Water Quality Control Board (SF-RWQCB) Environmental Screening Levels (ESLs). The following summarizes the results of the field sample detections compared to applicable screening levels:

- *Metals*: Various metals were detected in soil above laboratory reporting limits, however, metals were not detected above the commercial RSLs for soil.
- *VOCs*: Ethanol was detected in one soil sample (B-3-0.5) at a concentration of 1,800 micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ). The detected concentration of ethanol was below the RSL for industrial soil of  $3.3\text{E}+07$   $\mu\text{g}/\text{kg}$ .

No other VOCs were detected in soil above laboratory reporting limits.

- *TPH*: TPH was detected in soil above laboratory reporting limits in the diesel range (C<sub>13</sub>-C<sub>22</sub>) and motor oil range (C<sub>23</sub>-C<sub>44</sub>). The detected concentrations were below the commercial ESLs for TPH diesel and motor oil of 1,200 milligrams per kilogram (mg/kg) and 180,000 mg/kg, respectively.
- *OCPs*: No OCPs were detected above laboratory reporting limits.

### Soil Vapor Sampling Results

Laboratory analytical reports are provided in Attachment A. Analytical results were compared to the SFRWQCB commercial/industrial ESLs for soil gas vapor intrusion. Various VOCs including benzene, toluene, ethylbenzene, and xylenes (BTEX), tetrachloroethene (PCE) and trichloroethene (TCE) were detected above laboratory report limits, however, the detected VOCs were below the commercial/industrial ESLs for soil gas vapor intrusion (SFRWQCB, 2019).

## CONCLUSIONS

Limited Phase II ESA sampling was completed by Geosyntec personnel to support environmental due diligence activities at the Site. A total of 16 soil samples and 5 soil vapor samples were collected from historical automotive operations areas and historical agricultural use areas of the Site and analyzed for relevant COCs. Analytical results were compared to applicable screening levels for evaluating health risk in commercial/industrial soil and soil vapor at redevelopment sites throughout California. The detected concentrations of COCs were all below their respective screening levels and therefore the Site appears suitable for the proposed end use.

## CLOSURE

We appreciate the opportunity to support this important project. Please do not hesitate to contact the undersigned should you have questions.

Sincerely,

Geosyntec Consultants

Christopher Lieder, PG  
Principal

Brian Pierce, PG  
Project Geologist

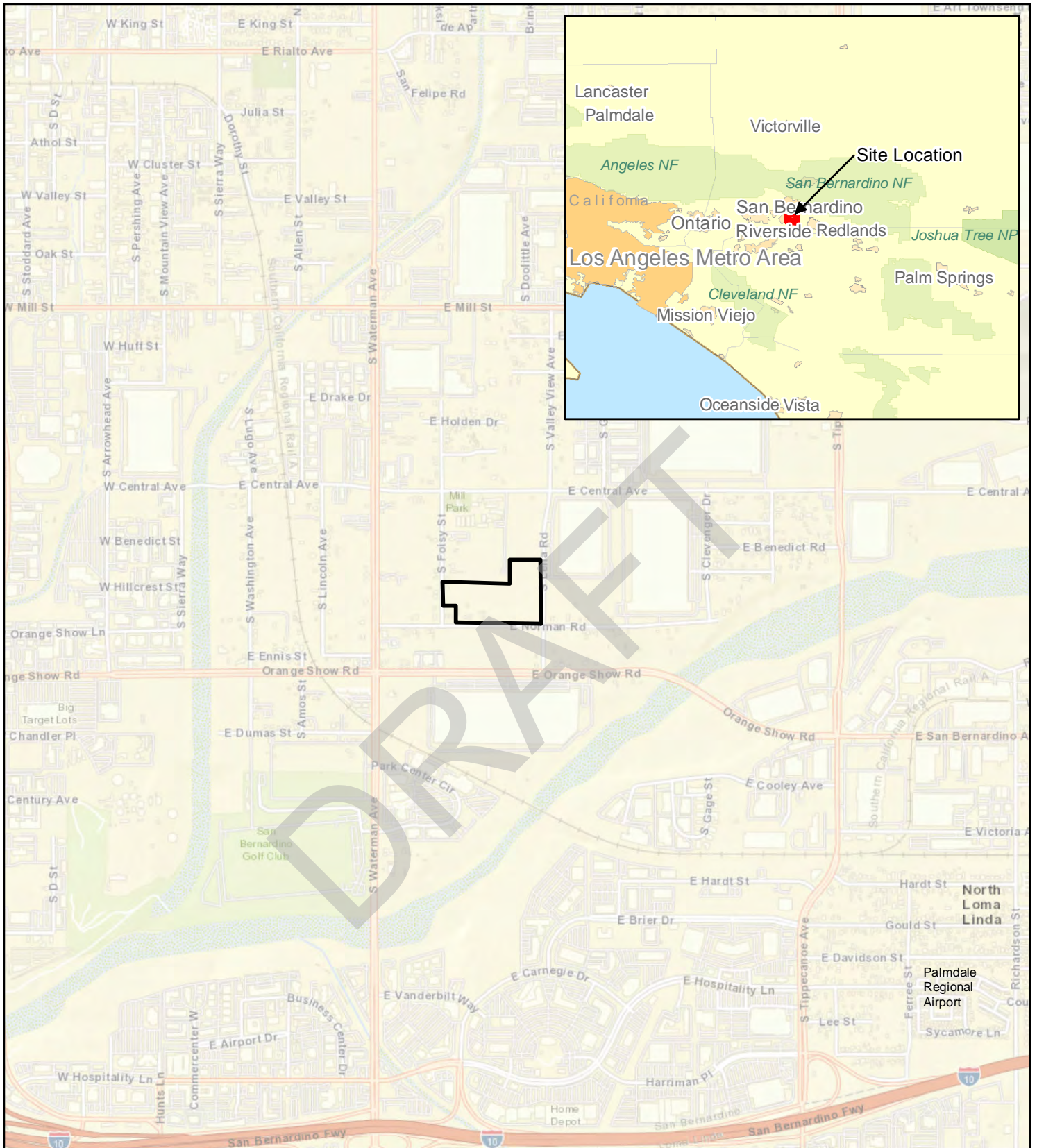
## ATTACHMENTS

|              |                     |
|--------------|---------------------|
| Figure 1     | Site Location Map   |
| Figure 2     | Sample Location Map |
| Attachment A | Laboratory Reports  |

# FIGURES

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**Legend**

 Site Location

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

0 500 1,000 2,000 Feet



**Site Location Map**

Gateway South Building 8  
North of E. Norman Road and west of Lena Road,  
San Bernardino, California

**Geosyntec**  
consultants

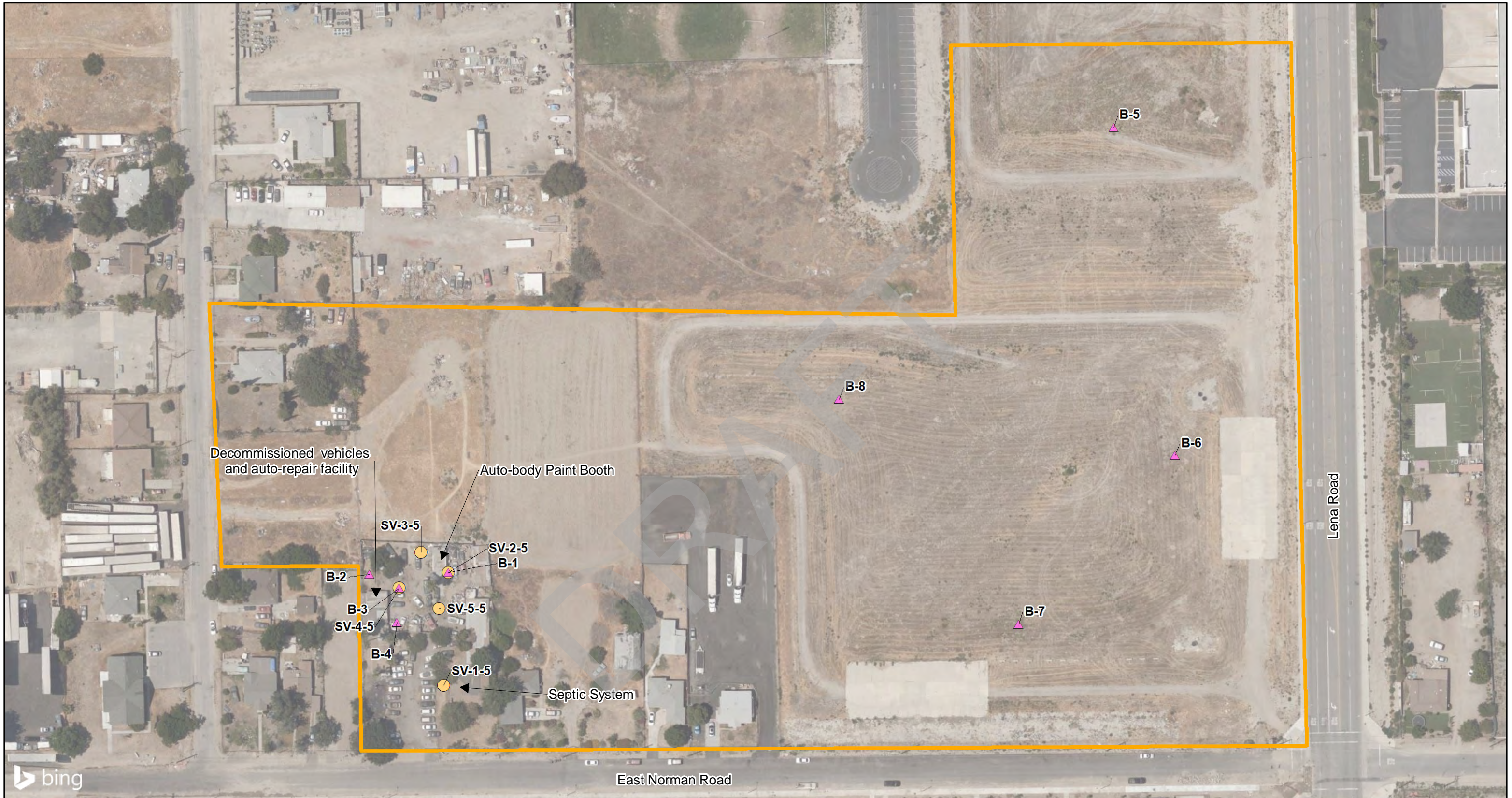
**Figure**

**1**

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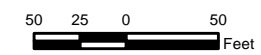
June 2021





- Legend**
- Approximate Site Boundary
  - ▲ Hand Auger Soil Sample Location
  - Soil Vapor Probe Sample Location

© 2021 Microsoft Corporation © 2021 Maxar  
 ©CNES (2021) Distribution Airbus DS  
 AST = Aboveground Storage Tank



**Sample Location Map**  
 Gateway South Building 8  
 North of E. Norman Road and west of Lena Road,  
 San Bernardino, California

**Geosyntec**  
 consultants

SC1139-02

June 2021

**Figure**  
**2**



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**ATTACHMENT A**

## ANALYTICAL REPORT

Eurofins Calscience LLC  
7440 Lincoln Way  
Garden Grove, CA 92841  
Tel: (714)895-5494

Laboratory Job ID: 570-60286-1  
Client Project/Site: GWS8

**For:**

Geosyntec Consultants, Inc.  
2355 Northside Drive  
Suite 250  
San Diego, California 92108

Attn: Brian Pierce



Authorized for release by:  
5/28/2021 6:18:46 PM

Stephen Nowak, Project Manager I  
(714)895-5494  
[Stephen.Nowak@eurofinset.com](mailto:Stephen.Nowak@eurofinset.com)

### LINKS

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*The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*



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# Definitions/Glossary

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Qualifiers

### Metals

| Qualifier | Qualifier Description   |
|-----------|---|
| 4         | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| F1        | MS and/or MSD recovery exceeds control limits.  |
| L         | A negative instrument reading had an absolute value greater than the reporting limit  |

## 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   |

# Case Narrative

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

**Job ID: 570-60286-1**

**Laboratory: Eurofins Calscience LLC**

## Narrative

### Job Narrative 570-60286-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 5/27/2021 1:45 PM. 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 was 5.5° C.

#### Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): B-6-2 (570-60286-12). The container labels list 11:20, while the COC lists 11:15.

#### GC/MS VOA

Method 8260B: The initial calibration curve analyzed in batch 570-153563 was outside method criteria for the following analyte(s): Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered an estimated concentration.

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

#### GC VOA

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

#### GC Semi VOA

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

#### Metals

Method 6010B: The absolute response for Molybdenum was greater than the method reporting limit (RL) in the following samples: B-1-0.5 (570-60286-1), B-1-2 (570-60286-2), B-2-0.5 (570-60286-3), B-2-2 (570-60286-4), B-3-0.5 (570-60286-5), B-3-2 (570-60286-6), B-4-2 (570-60286-8), B-5-0.5 (570-60286-9), B-6-0.5 (570-60286-11) and B-8-0.5 (570-60286-15).  
The instrument raw data has been manually reviewed and the result can be reported as ND.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-153579 and analytical batch 570-153840 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: Due to the high concentration of Barium and Zinc the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 570-153579 and analytical batch 570-153840 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 6010B: The absolute response for Arsenic was greater than the method reporting limit (RL) in the following samples: B-1-0.5 (570-60286-1), B-1-2 (570-60286-2), B-2-0.5 (570-60286-3), B-2-2 (570-60286-4), B-3-2 (570-60286-6), B-4-2 (570-60286-8), B-7-0.5 (570-60286-13) and B-8-0.5 (570-60286-15).  
The instrument raw data has been manually reviewed and the result can be reported as ND.

Method 6010B: The absolute response for Antimony was greater than the method reporting limit (RL) in the following samples: B-1-2 (570-60286-2), B-2-0.5 (570-60286-3), B-2-2 (570-60286-4) and B-3-0.5 (570-60286-5).  
The instrument raw data has been manually reviewed and the result can be reported as ND.

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

#### Organic Prep

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

# Case Narrative

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

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## Job ID: 570-60286-1 (Continued)

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### Laboratory: Eurofins Calscience LLC (Continued)

#### VOA Prep

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

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# Detection Summary

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Client Sample ID: B-1-0.5

## Lab Sample ID: 570-60286-1

| Analyte   | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| C15-C16   | 6.7    |           | 5.1   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C17-C18   | 13     |           | 5.1   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C19-C20   | 24     |           | 5.1   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C21-C22   | 43     |           | 5.1   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C23-C24   | 77     |           | 5.1   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C25-C28   | 210    |           | 5.1   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C29-C32   | 200    |           | 5.1   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C33-C36   | 140    |           | 5.1   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C37-C40   | 85     |           | 5.1   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C41-C44   | 37     |           | 5.1   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C13-C22   | 92     |           | 5.1   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C23-C44   | 750    |           | 5.1   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C13-C44   | 840    |           | 5.1   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| Barium    | 145    |           | 0.493 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Beryllium | 1.03   |           | 0.246 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cadmium   | 1.27   |           | 0.493 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Chromium  | 36.1   |           | 0.985 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cobalt    | 16.0   |           | 0.985 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Copper    | 84.7   | F1        | 0.985 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Lead      | 26.0   |           | 4.93  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Nickel    | 22.7   |           | 0.493 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Vanadium  | 55.6   |           | 0.985 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Zinc      | 165    |           | 9.85  | mg/Kg | 1       |   | 6010B  | Total/NA  |

## Client Sample ID: B-1-2

## Lab Sample ID: 570-60286-2

| Analyte   | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| C23-C44   | 15     |           | 5.0   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C13-C44   | 16     |           | 5.0   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| Barium    | 141    |           | 0.500 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Beryllium | 1.19   |           | 0.250 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cadmium   | 0.814  |           | 0.500 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Chromium  | 44.3   |           | 1.00  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cobalt    | 19.1   |           | 1.00  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Copper    | 27.7   |           | 1.00  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Nickel    | 25.9   |           | 0.500 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Vanadium  | 66.3   |           | 1.00  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Zinc      | 90.8   |           | 10.0  | mg/Kg | 1       |   | 6010B  | Total/NA  |

## Client Sample ID: B-2-0.5

## Lab Sample ID: 570-60286-3

| Analyte   | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| C25-C28   | 8.7    |           | 5.0   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C33-C36   | 15     |           | 5.0   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C37-C40   | 13     |           | 5.0   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C41-C44   | 8.2    |           | 5.0   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C13-C22   | 8.5    |           | 5.0   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C23-C44   | 60     |           | 5.0   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C13-C44   | 69     |           | 5.0   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| Barium    | 159    |           | 0.505 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Beryllium | 1.13   |           | 0.253 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cadmium   | 1.06   |           | 0.505 | mg/Kg | 1       |   | 6010B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Detection Summary

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Client Sample ID: B-2-0.5 (Continued)

## Lab Sample ID: 570-60286-3

| Analyte  | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| Chromium | 38.4   |           | 1.01  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cobalt   | 17.2   |           | 1.01  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Copper   | 31.5   |           | 1.01  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Lead     | 26.2   |           | 5.05  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Nickel   | 24.0   |           | 0.505 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Vanadium | 60.1   |           | 1.01  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Zinc     | 159    |           | 10.1  | mg/Kg | 1       |   | 6010B  | Total/NA  |

## Client Sample ID: B-2-2

## Lab Sample ID: 570-60286-4

| Analyte   | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| C19-C20   | 5.8    |           | 5.2   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C21-C22   | 7.1    |           | 5.2   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C25-C28   | 5.3    |           | 5.2   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C13-C22   | 15     |           | 5.2   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C23-C44   | 23     |           | 5.2   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C13-C44   | 38     |           | 5.2   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| Barium    | 162    |           | 0.485 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Beryllium | 1.30   |           | 0.243 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cadmium   | 0.913  |           | 0.485 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Chromium  | 44.2   |           | 0.971 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cobalt    | 19.4   |           | 0.971 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Copper    | 32.5   |           | 0.971 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Lead      | 7.50   |           | 4.85  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Nickel    | 26.4   |           | 0.485 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Vanadium  | 68.5   |           | 0.971 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Zinc      | 117    |           | 9.71  | mg/Kg | 1       |   | 6010B  | Total/NA  |

## Client Sample ID: B-3-0.5

## Lab Sample ID: 570-60286-5

| Analyte   | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| Ethanol   | 1800   |           | 250   | ug/Kg | 1       |   | 8260B  | Total/NA  |
| C21-C22   | 6.5    |           | 4.9   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C23-C24   | 7.1    |           | 4.9   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C25-C28   | 24     |           | 4.9   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C33-C36   | 30     |           | 4.9   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C37-C40   | 26     |           | 4.9   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C41-C44   | 16     |           | 4.9   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C13-C22   | 13     |           | 4.9   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C23-C44   | 130    |           | 4.9   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C13-C44   | 150    |           | 4.9   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| Barium    | 167    |           | 0.488 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Beryllium | 1.06   |           | 0.244 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cadmium   | 0.974  |           | 0.488 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Chromium  | 38.7   |           | 0.976 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cobalt    | 16.5   |           | 0.976 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Copper    | 34.8   |           | 0.976 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Lead      | 68.3   |           | 4.88  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Nickel    | 23.4   |           | 0.488 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Vanadium  | 57.5   |           | 0.976 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Zinc      | 191    |           | 9.76  | mg/Kg | 1       |   | 6010B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Detection Summary

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Client Sample ID: B-3-2

## Lab Sample ID: 570-60286-6

| Analyte   | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| C13-C22   | 5.6    |           | 5.1   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C23-C44   | 8.3    |           | 5.1   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C13-C44   | 14     |           | 5.1   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| Barium    | 147    |           | 0.510 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Beryllium | 1.16   |           | 0.255 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cadmium   | 0.846  |           | 0.510 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Chromium  | 44.8   |           | 1.02  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cobalt    | 19.3   |           | 1.02  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Copper    | 32.8   |           | 1.02  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Nickel    | 26.8   |           | 0.510 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Vanadium  | 66.4   |           | 1.02  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Zinc      | 91.4   |           | 10.2  | mg/Kg | 1       |   | 6010B  | Total/NA  |

## Client Sample ID: B-4-0.5

## Lab Sample ID: 570-60286-7

| Analyte   | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| C21-C22   | 6.9    |           | 5.2   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C25-C28   | 8.3    |           | 5.2   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C33-C36   | 7.3    |           | 5.2   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C37-C40   | 6.7    |           | 5.2   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C13-C22   | 13     |           | 5.2   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C23-C44   | 37     |           | 5.2   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| C13-C44   | 50     |           | 5.2   | mg/Kg | 1       |   | 8015B  | Total/NA  |
| Barium    | 92.0   |           | 0.485 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Beryllium | 0.650  |           | 0.243 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cadmium   | 0.603  |           | 0.485 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Chromium  | 22.0   |           | 0.971 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cobalt    | 9.81   |           | 0.971 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Copper    | 24.0   |           | 0.971 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Lead      | 26.1   |           | 4.85  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Nickel    | 15.1   |           | 0.485 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Vanadium  | 35.0   |           | 0.971 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Zinc      | 98.6   |           | 9.71  | mg/Kg | 1       |   | 6010B  | Total/NA  |

## Client Sample ID: B-4-2

## Lab Sample ID: 570-60286-8

| Analyte   | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| Barium    | 155    |           | 0.508 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Beryllium | 1.18   |           | 0.254 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cadmium   | 0.981  |           | 0.508 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Chromium  | 46.5   |           | 1.02  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cobalt    | 19.9   |           | 1.02  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Copper    | 33.6   |           | 1.02  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Nickel    | 27.6   |           | 0.508 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Vanadium  | 68.7   |           | 1.02  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Zinc      | 90.9   |           | 10.2  | mg/Kg | 1       |   | 6010B  | Total/NA  |

## Client Sample ID: B-5-0.5

## Lab Sample ID: 570-60286-9

| Analyte   | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| Barium    | 65.6   |           | 0.490 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Beryllium | 0.554  |           | 0.245 | mg/Kg | 1       |   | 6010B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC



# Detection Summary

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Client Sample ID: B-5-0.5 (Continued)

Lab Sample ID: 570-60286-9

| Analyte  | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| Chromium | 14.8   |           | 0.980 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cobalt   | 8.03   |           | 0.980 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Copper   | 11.2   |           | 0.980 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Nickel   | 9.22   |           | 0.490 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Vanadium | 31.0   |           | 0.980 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Zinc     | 45.8   |           | 9.80  | mg/Kg | 1       |   | 6010B  | Total/NA  |

## Client Sample ID: B-5-2

Lab Sample ID: 570-60286-10

| Analyte   | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| Barium    | 48.7   |           | 0.510 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Beryllium | 0.397  |           | 0.255 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Chromium  | 14.3   |           | 1.02  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cobalt    | 6.36   |           | 1.02  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Copper    | 8.71   |           | 1.02  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Nickel    | 7.65   |           | 0.510 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Vanadium  | 23.9   |           | 1.02  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Zinc      | 33.6   |           | 10.2  | mg/Kg | 1       |   | 6010B  | Total/NA  |

## Client Sample ID: B-6-0.5

Lab Sample ID: 570-60286-11

| Analyte   | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| Barium    | 58.4   |           | 0.495 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Beryllium | 0.555  |           | 0.248 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Chromium  | 15.2   |           | 0.990 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cobalt    | 8.37   |           | 0.990 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Copper    | 10.8   |           | 0.990 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Nickel    | 9.65   |           | 0.495 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Vanadium  | 31.6   |           | 0.990 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Zinc      | 44.1   |           | 9.90  | mg/Kg | 1       |   | 6010B  | Total/NA  |

## Client Sample ID: B-6-2

Lab Sample ID: 570-60286-12

| Analyte  | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| Barium   | 27.9   |           | 0.495 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Chromium | 5.22   |           | 0.990 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cobalt   | 3.59   |           | 0.990 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Copper   | 3.65   |           | 0.990 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Nickel   | 3.46   |           | 0.495 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Vanadium | 12.4   |           | 0.990 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Zinc     | 17.2   |           | 9.90  | mg/Kg | 1       |   | 6010B  | Total/NA  |

## Client Sample ID: B-7-0.5

Lab Sample ID: 570-60286-13

| Analyte   | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| Barium    | 82.2   |           | 0.513 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Beryllium | 0.672  |           | 0.256 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Chromium  | 21.8   |           | 1.03  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cobalt    | 10.6   |           | 1.03  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Copper    | 13.8   |           | 1.03  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Nickel    | 13.2   |           | 0.513 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Vanadium  | 38.8   |           | 1.03  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Zinc      | 52.6   |           | 10.3  | mg/Kg | 1       |   | 6010B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Detection Summary

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Client Sample ID: B-7-2

## Lab Sample ID: 570-60286-14

| Analyte   | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| Barium    | 46.7   |           | 0.500 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Beryllium | 0.360  |           | 0.250 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Chromium  | 12.2   |           | 1.00  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cobalt    | 6.23   |           | 1.00  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Copper    | 5.52   |           | 1.00  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Nickel    | 7.42   |           | 0.500 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Vanadium  | 22.7   |           | 1.00  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Zinc      | 29.4   |           | 10.0  | mg/Kg | 1       |   | 6010B  | Total/NA  |

## Client Sample ID: B-8-0.5

## Lab Sample ID: 570-60286-15

| Analyte   | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| Barium    | 102    |           | 0.518 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Beryllium | 0.888  |           | 0.259 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cadmium   | 0.606  |           | 0.518 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Chromium  | 25.0   |           | 1.04  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cobalt    | 12.4   |           | 1.04  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Copper    | 17.9   |           | 1.04  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Nickel    | 15.3   |           | 0.518 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Vanadium  | 46.2   |           | 1.04  | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Zinc      | 72.3   |           | 10.4  | mg/Kg | 1       |   | 6010B  | Total/NA  |

## Client Sample ID: B-8-2

## Lab Sample ID: 570-60286-16

| Analyte   | Result | Qualifier | RL    | Unit  | Dil Fac | D | Method | Prep Type |
|-----------|--------|-----------|-------|-------|---------|---|--------|-----------|
| Barium    | 42.6   |           | 0.488 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Beryllium | 0.357  |           | 0.244 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Chromium  | 9.76   |           | 0.976 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Cobalt    | 5.47   |           | 0.976 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Copper    | 7.03   |           | 0.976 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Nickel    | 5.74   |           | 0.488 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Vanadium  | 23.7   |           | 0.976 | mg/Kg | 1       |   | 6010B  | Total/NA  |
| Zinc      | 29.6   |           | 9.76  | mg/Kg | 1       |   | 6010B  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Client Sample ID: B-1-0.5**  
**Date Collected: 05/27/21 08:40**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-1**  
**Matrix: Solid**

| Analyte                               | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 5.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 2-Butanone                            | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 2-Chlorotoluene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 2-Hexanone                            | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 4-Chlorotoluene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Acetone                               | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Benzene                               | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Bromobenzene                          | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Bromochloromethane                    | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Bromoform                             | ND     |           | 5.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Bromomethane                          | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| cis-1,3-Dichloropropane               | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Carbon disulfide                      | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Chloroethane                          | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Chloroform                            | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Chloromethane                         | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Dibromochloromethane                  | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Dibromomethane                        | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Dichlorodifluoromethane               | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Di-isopropyl ether (DIPE)             | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Ethanol                               | ND     |           | 250 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Ethyl-t-butyl ether (ETBE)            | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

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

**Client Sample ID: B-1-0.5**  
**Date Collected: 05/27/21 08:40**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-1**  
**Matrix: Solid**

| Analyte                       | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| Isopropylbenzene              | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Methylene Chloride            | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Methyl-t-Butyl Ether (MTBE)   | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Naphthalene                   | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| n-Butylbenzene                | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| N-Propylbenzene               | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| o-Xylene                      | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| m,p-Xylene                    | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| p-Isopropyltoluene            | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| sec-Butylbenzene              | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Styrene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| trans-1,2-Dichloroethene      | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| trans-1,3-Dichloropropene     | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Tert-amyl-methyl ether (TAME) | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| tert-Butyl alcohol (TBA)      | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| tert-Butylbenzene             | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Tetrachloroethene             | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Toluene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Trichloroethene               | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Trichlorofluoromethane        | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Vinyl acetate                 | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Vinyl chloride                | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 02:41 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 100       |           | 64 - 141 | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 76 - 120 | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Dibromofluoromethane (Surr)  | 99        |           | 47 - 142 | 05/27/21 17:22 | 05/28/21 02:41 | 1       |
| Toluene-d8 (Surr)            | 99        |           | 80 - 120 | 05/27/21 17:22 | 05/28/21 02:41 | 1       |

**Client Sample ID: B-1-2**  
**Date Collected: 05/27/21 08:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-2**  
**Matrix: Solid**

| Analyte                               | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.1 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 2.1 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.1 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 2.1 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.1 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.1 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

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

**Client Sample ID: B-1-2**  
**Date Collected: 05/27/21 08:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-2**  
**Matrix: Solid**

| Analyte                       | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| 1,3,5-Trimethylbenzene        | ND     |           | 2.1 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,3-Dichlorobenzene           | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,3-Dichloropropane           | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 1,4-Dichlorobenzene           | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 2,2-Dichloropropane           | ND     |           | 5.1 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 2-Butanone                    | ND     |           | 21  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 2-Chlorotoluene               | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 2-Hexanone                    | ND     |           | 21  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 4-Chlorotoluene               | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| 4-Methyl-2-pentanone          | ND     |           | 21  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Acetone                       | ND     |           | 21  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Benzene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Bromobenzene                  | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Bromochloromethane            | ND     |           | 2.1 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Bromodichloromethane          | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Bromoform                     | ND     |           | 5.1 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Bromomethane                  | ND     |           | 21  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| cis-1,2-Dichloroethene        | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| cis-1,3-Dichloropropene       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Carbon disulfide              | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Carbon tetrachloride          | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Chlorobenzene                 | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Chloroethane                  | ND     |           | 2.1 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Chloroform                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Chloromethane                 | ND     |           | 21  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Dibromochloromethane          | ND     |           | 2.1 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Dibromomethane                | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Dichlorodifluoromethane       | ND     |           | 2.1 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Di-isopropyl ether (DIPE)     | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Ethanol                       | ND     |           | 260 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Ethylbenzene                  | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Ethyl-t-butyl ether (ETBE)    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Isopropylbenzene              | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Methylene Chloride            | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Methyl-t-Butyl Ether (MTBE)   | ND     |           | 2.1 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Naphthalene                   | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| n-Butylbenzene                | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| N-Propylbenzene               | ND     |           | 2.1 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| o-Xylene                      | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| m,p-Xylene                    | ND     |           | 2.1 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| p-Isopropyltoluene            | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| sec-Butylbenzene              | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Styrene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| trans-1,2-Dichloroethene      | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| trans-1,3-Dichloropropene     | ND     |           | 2.1 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Tert-amyl-methyl ether (TAME) | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| tert-Butyl alcohol (TBA)      | ND     |           | 21  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| tert-Butylbenzene             | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Tetrachloroethene             | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

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

**Client Sample ID: B-1-2**  
**Date Collected: 05/27/21 08:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-2**  
**Matrix: Solid**

| Analyte                             | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Toluene                             | ND        |           | 1.0      | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Trichloroethene                     | ND        |           | 2.1      | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Trichlorofluoromethane              | ND        |           | 10       | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Vinyl acetate                       | ND        |           | 10       | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Vinyl chloride                      | ND        |           | 1.0      | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| Surrogate                           | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 100       |           | 64 - 141 |       |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| <i>4-Bromofluorobenzene (Surr)</i>  | 95        |           | 76 - 120 |       |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| <i>Dibromofluoromethane (Surr)</i>  | 101       |           | 47 - 142 |       |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |
| <i>Toluene-d8 (Surr)</i>            | 99        |           | 80 - 120 |       |   | 05/27/21 17:22 | 05/28/21 03:08 | 1       |

**Client Sample ID: B-2-0.5**  
**Date Collected: 05/27/21 09:05**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-3**  
**Matrix: Solid**

| Analyte                               | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 5.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 2-Butanone                            | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 2-Chlorotoluene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 2-Hexanone                            | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 4-Chlorotoluene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Acetone                               | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Benzene                               | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Bromobenzene                          | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Bromochloromethane                    | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Bromoform                             | ND     |           | 5.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Bromomethane                          | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

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

**Client Sample ID: B-2-0.5**  
**Date Collected: 05/27/21 09:05**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-3**  
**Matrix: Solid**

| Analyte                       | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| cis-1,2-Dichloroethene        | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| cis-1,3-Dichloropropene       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Carbon disulfide              | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Carbon tetrachloride          | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Chlorobenzene                 | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Chloroethane                  | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Chloroform                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Chloromethane                 | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Dibromochloromethane          | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Dibromomethane                | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Dichlorodifluoromethane       | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Di-isopropyl ether (DIPE)     | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Ethanol                       | ND     |           | 250 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Ethylbenzene                  | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Ethyl-t-butyl ether (ETBE)    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Isopropylbenzene              | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Methylene Chloride            | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Methyl-t-Butyl Ether (MTBE)   | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Naphthalene                   | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| n-Butylbenzene                | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| N-Propylbenzene               | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| o-Xylene                      | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| m,p-Xylene                    | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| p-Isopropyltoluene            | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| sec-Butylbenzene              | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Styrene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| trans-1,2-Dichloroethene      | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| trans-1,3-Dichloropropene     | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Tert-amyl-methyl ether (TAME) | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| tert-Butyl alcohol (TBA)      | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| tert-Butylbenzene             | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Tetrachloroethene             | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Toluene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Trichloroethene               | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Trichlorofluoromethane        | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Vinyl acetate                 | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Vinyl chloride                | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 03:35 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 104       |           | 64 - 141 | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 76 - 120 | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Dibromofluoromethane (Surr)  | 104       |           | 47 - 142 | 05/27/21 17:22 | 05/28/21 03:35 | 1       |
| Toluene-d8 (Surr)            | 97        |           | 80 - 120 | 05/27/21 17:22 | 05/28/21 03:35 | 1       |

**Client Sample ID: B-2-2**  
**Date Collected: 05/27/21 09:15**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-4**  
**Matrix: Solid**

| Analyte                   | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| 1,1,1,2-Tetrachloroethane | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,1,1-Trichloroethane     | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

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

**Client Sample ID: B-2-2**  
**Date Collected: 05/27/21 09:15**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-4**  
**Matrix: Solid**

| Analyte                               | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 5.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 2-Butanone                            | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 2-Chlorotoluene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 2-Hexanone                            | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 4-Chlorotoluene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Acetone                               | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Benzene                               | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Bromobenzene                          | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Bromochloromethane                    | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Bromoform                             | ND     |           | 5.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Bromomethane                          | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Carbon disulfide                      | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Chloroethane                          | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Chloroform                            | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Chloromethane                         | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Dibromochloromethane                  | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Dibromomethane                        | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Dichlorodifluoromethane               | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Di-isopropyl ether (DIPE)             | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Ethanol                               | ND     |           | 250 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Ethyl-t-butyl ether (ETBE)            | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Isopropylbenzene                      | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Methylene Chloride                    | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:02 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

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

**Client Sample ID: B-2-2**  
**Date Collected: 05/27/21 09:15**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-4**  
**Matrix: Solid**

| Analyte                       | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| Methyl-t-Butyl Ether (MTBE)   | ND     |           | 2.0 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Naphthalene                   | ND     |           | 10  | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| n-Butylbenzene                | ND     |           | 1.0 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| N-Propylbenzene               | ND     |           | 2.0 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| o-Xylene                      | ND     |           | 1.0 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| m,p-Xylene                    | ND     |           | 2.0 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| p-Isopropyltoluene            | ND     |           | 1.0 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| sec-Butylbenzene              | ND     |           | 1.0 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Styrene                       | ND     |           | 1.0 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| trans-1,2-Dichloroethene      | ND     |           | 1.0 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| trans-1,3-Dichloropropene     | ND     |           | 2.0 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Tert-amyl-methyl ether (TAME) | ND     |           | 1.0 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| tert-Butyl alcohol (TBA)      | ND     |           | 20  | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| tert-Butylbenzene             | ND     |           | 1.0 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Tetrachloroethene             | ND     |           | 1.0 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Toluene                       | ND     |           | 1.0 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Trichloroethene               | ND     |           | 2.0 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Trichlorofluoromethane        | ND     |           | 10  | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Vinyl acetate                 | ND     |           | 10  | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Vinyl chloride                | ND     |           | 1.0 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:02 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 102       |           | 64 - 141 | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 76 - 120 | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Dibromofluoromethane (Surr)  | 100       |           | 47 - 142 | 05/27/21 17:22 | 05/28/21 04:02 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 | 05/27/21 17:22 | 05/28/21 04:02 | 1       |

**Client Sample ID: B-3-0.5**  
**Date Collected: 05/27/21 09:40**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-5**  
**Matrix: Solid**

| Analyte                               | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0  | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 9.8  | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 2.0  | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0  | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0  | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0  | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0  | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 9.8  | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0  | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/28/21 04:30 | 1       |

Eurofins Calscience LLC

# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

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

**Client Sample ID: B-3-0.5**  
**Date Collected: 05/27/21 09:40**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-5**  
**Matrix: Solid**

| Analyte                       | Result      | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-------------|-----------|------|-------|---|----------------|----------------|---------|
| 1,3-Dichloropropane           | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 1,4-Dichlorobenzene           | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 2,2-Dichloropropane           | ND          |           | 4.9  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 2-Butanone                    | ND          |           | 20   | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 2-Chlorotoluene               | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 2-Hexanone                    | ND          |           | 20   | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 4-Chlorotoluene               | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| 4-Methyl-2-pentanone          | ND          |           | 20   | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Acetone                       | ND          |           | 20   | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Benzene                       | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Bromobenzene                  | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Bromochloromethane            | ND          |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Bromodichloromethane          | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Bromoform                     | ND          |           | 4.9  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Bromomethane                  | ND          |           | 20   | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| cis-1,2-Dichloroethene        | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| cis-1,3-Dichloropropene       | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Carbon disulfide              | ND          |           | 9.8  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Carbon tetrachloride          | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Chlorobenzene                 | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Chloroethane                  | ND          |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Chloroform                    | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Chloromethane                 | ND          |           | 20   | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Dibromochloromethane          | ND          |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Dibromomethane                | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Dichlorodifluoromethane       | ND          |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Di-isopropyl ether (DIPE)     | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| <b>Ethanol</b>                | <b>1800</b> |           | 250  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Ethylbenzene                  | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Ethyl-t-butyl ether (ETBE)    | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Isopropylbenzene              | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Methylene Chloride            | ND          |           | 9.8  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Methyl-t-Butyl Ether (MTBE)   | ND          |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Naphthalene                   | ND          |           | 9.8  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| n-Butylbenzene                | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| N-Propylbenzene               | ND          |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| o-Xylene                      | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| m,p-Xylene                    | ND          |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| p-Isopropyltoluene            | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| sec-Butylbenzene              | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Styrene                       | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| trans-1,2-Dichloroethene      | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| trans-1,3-Dichloropropene     | ND          |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Tert-amyl-methyl ether (TAME) | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| tert-Butyl alcohol (TBA)      | ND          |           | 20   | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| tert-Butylbenzene             | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Tetrachloroethene             | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Toluene                       | ND          |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Trichloroethene               | ND          |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

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

**Client Sample ID: B-3-0.5**  
**Date Collected: 05/27/21 09:40**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-5**  
**Matrix: Solid**

| Analyte                             | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Trichlorofluoromethane              | ND        |           | 9.8      | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Vinyl acetate                       | ND        |           | 9.8      | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Vinyl chloride                      | ND        |           | 0.98     | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| Surrogate                           | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| <i>1,2-Dichloroethane-d4 (Surr)</i> | 102       |           | 64 - 141 |       |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| <i>4-Bromofluorobenzene (Surr)</i>  | 95        |           | 76 - 120 |       |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| <i>Dibromofluoromethane (Surr)</i>  | 101       |           | 47 - 142 |       |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |
| <i>Toluene-d8 (Surr)</i>            | 99        |           | 80 - 120 |       |   | 05/27/21 17:22 | 05/28/21 04:30 | 1       |

**Client Sample ID: B-3-2**  
**Date Collected: 05/27/21 09:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-6**  
**Matrix: Solid**

| Analyte                               | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 5.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 2-Butanone                            | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 2-Chlorotoluene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 2-Hexanone                            | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 4-Chlorotoluene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Acetone                               | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Benzene                               | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Bromobenzene                          | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Bromochloromethane                    | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Bromoform                             | ND     |           | 5.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Bromomethane                          | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

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

**Client Sample ID: B-3-2**  
**Date Collected: 05/27/21 09:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-6**  
**Matrix: Solid**

| Analyte                       | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| Carbon disulfide              | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Carbon tetrachloride          | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Chlorobenzene                 | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Chloroethane                  | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Chloroform                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Chloromethane                 | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Dibromochloromethane          | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Dibromomethane                | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Dichlorodifluoromethane       | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Di-isopropyl ether (DIPE)     | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Ethanol                       | ND     |           | 250 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Ethylbenzene                  | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Ethyl-t-butyl ether (ETBE)    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Isopropylbenzene              | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Methylene Chloride            | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Methyl-t-Butyl Ether (MTBE)   | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Naphthalene                   | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| n-Butylbenzene                | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| N-Propylbenzene               | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| o-Xylene                      | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| m,p-Xylene                    | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| p-Isopropyltoluene            | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| sec-Butylbenzene              | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Styrene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| trans-1,2-Dichloroethene      | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| trans-1,3-Dichloropropene     | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Tert-amyl-methyl ether (TAME) | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| tert-Butyl alcohol (TBA)      | ND     |           | 20  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| tert-Butylbenzene             | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Tetrachloroethene             | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Toluene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Trichloroethene               | ND     |           | 2.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Trichlorofluoromethane        | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Vinyl acetate                 | ND     |           | 10  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Vinyl chloride                | ND     |           | 1.0 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 04:57 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 103       |           | 64 - 141 | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96        |           | 76 - 120 | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Dibromofluoromethane (Surr)  | 99        |           | 47 - 142 | 05/27/21 17:22 | 05/28/21 04:57 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 | 05/27/21 17:22 | 05/28/21 04:57 | 1       |

**Client Sample ID: B-4-0.5**  
**Date Collected: 05/27/21 10:00**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-7**  
**Matrix: Solid**

| Analyte                               | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 1.9  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 9.7  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

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

**Client Sample ID: B-4-0.5**  
**Date Collected: 05/27/21 10:00**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-7**  
**Matrix: Solid**

| Analyte                     | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| 1,1,2-Trichloroethane       | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,1-Dichloropropene         | ND     |           | 1.9  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,2,3-Trichlorobenzene      | ND     |           | 1.9  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,2,3-Trichloropropane      | ND     |           | 1.9  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,2,4-Trichlorobenzene      | ND     |           | 1.9  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,2,4-Trimethylbenzene      | ND     |           | 1.9  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,2-Dibromo-3-Chloropropane | ND     |           | 9.7  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,2-Dibromoethane           | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,2-Dichlorobenzene         | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,3,5-Trimethylbenzene      | ND     |           | 1.9  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,3-Dichlorobenzene         | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,3-Dichloropropane         | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 1,4-Dichlorobenzene         | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 2,2-Dichloropropane         | ND     |           | 4.9  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 2-Butanone                  | ND     |           | 19   | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 2-Chlorotoluene             | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 2-Hexanone                  | ND     |           | 19   | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 4-Chlorotoluene             | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 4-Methyl-2-pentanone        | ND     |           | 19   | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Acetone                     | ND     |           | 19   | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Benzene                     | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Bromobenzene                | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Bromochloromethane          | ND     |           | 1.9  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Bromodichloromethane        | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Bromoform                   | ND     |           | 4.9  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Bromomethane                | ND     |           | 19   | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Carbon disulfide            | ND     |           | 9.7  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Carbon tetrachloride        | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Chlorobenzene               | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Chloroethane                | ND     |           | 1.9  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Chloroform                  | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Chloromethane               | ND     |           | 19   | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Dibromochloromethane        | ND     |           | 1.9  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Dibromomethane              | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Dichlorodifluoromethane     | ND     |           | 1.9  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Di-isopropyl ether (DIPE)   | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Ethanol                     | ND     |           | 240  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Ethylbenzene                | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Ethyl-t-butyl ether (ETBE)  | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Isopropylbenzene            | ND     |           | 0.97 | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Methylene Chloride          | ND     |           | 9.7  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Methyl-t-Butyl Ether (MTBE) | ND     |           | 1.9  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Naphthalene                 | ND     |           | 9.7  | ug/Kg |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

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

**Client Sample ID: B-4-0.5**  
**Date Collected: 05/27/21 10:00**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-7**  
**Matrix: Solid**

| Analyte                       | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| n-Butylbenzene                | ND        |           | 0.97     | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| N-Propylbenzene               | ND        |           | 1.9      | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| o-Xylene                      | ND        |           | 0.97     | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| m,p-Xylene                    | ND        |           | 1.9      | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| p-Isopropyltoluene            | ND        |           | 0.97     | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| sec-Butylbenzene              | ND        |           | 0.97     | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Styrene                       | ND        |           | 0.97     | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| trans-1,2-Dichloroethene      | ND        |           | 0.97     | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| trans-1,3-Dichloropropene     | ND        |           | 1.9      | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Tert-amyl-methyl ether (TAME) | ND        |           | 0.97     | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| tert-Butyl alcohol (TBA)      | ND        |           | 19       | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| tert-Butylbenzene             | ND        |           | 0.97     | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Tetrachloroethene             | ND        |           | 0.97     | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Toluene                       | ND        |           | 0.97     | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Trichloroethene               | ND        |           | 1.9      | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Trichlorofluoromethane        | ND        |           | 9.7      | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Vinyl acetate                 | ND        |           | 9.7      | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Vinyl chloride                | ND        |           | 0.97     | ug/Kg | - | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Surrogate                     | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr)  | 99        |           | 64 - 141 |       |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| 4-Bromofluorobenzene (Surr)   | 95        |           | 76 - 120 |       |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Dibromofluoromethane (Surr)   | 100       |           | 47 - 142 |       |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |
| Toluene-d8 (Surr)             | 98        |           | 80 - 120 |       |   | 05/27/21 17:22 | 05/28/21 05:26 | 1       |

**Client Sample ID: B-4-2**  
**Date Collected: 05/27/21 10:10**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-8**  
**Matrix: Solid**

| Analyte                               | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| 1,1,1,2-Tetrachloroethane             | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0  | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 9.8  | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 2.0  | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0  | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0  | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0  | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0  | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 9.8  | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0  | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 0.98 | ug/Kg | - | 05/27/21 17:22 | 05/27/21 22:07 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

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

**Client Sample ID: B-4-2**  
**Date Collected: 05/27/21 10:10**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-8**  
**Matrix: Solid**

| Analyte                       | Result | Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|--------|-----------|------|-------|---|----------------|----------------|---------|
| 2,2-Dichloropropane           | ND     |           | 4.9  | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 2-Butanone                    | ND     |           | 20   | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 2-Chlorotoluene               | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 2-Hexanone                    | ND     |           | 20   | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 4-Chlorotoluene               | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 4-Methyl-2-pentanone          | ND     |           | 20   | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Acetone                       | ND     |           | 20   | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Benzene                       | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Bromobenzene                  | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Bromochloromethane            | ND     |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Bromodichloromethane          | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Bromoform                     | ND     |           | 4.9  | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Bromomethane                  | ND     |           | 20   | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| cis-1,2-Dichloroethene        | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| cis-1,3-Dichloropropene       | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Carbon disulfide              | ND     |           | 9.8  | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Carbon tetrachloride          | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Chlorobenzene                 | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Chloroethane                  | ND     |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Chloroform                    | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Chloromethane                 | ND     |           | 20   | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Dibromochloromethane          | ND     |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Dibromomethane                | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Dichlorodifluoromethane       | ND     |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Di-isopropyl ether (DIPE)     | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Ethanol                       | ND     |           | 240  | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Ethylbenzene                  | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Ethyl-t-butyl ether (ETBE)    | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Isopropylbenzene              | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Methylene Chloride            | ND     |           | 9.8  | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Methyl-t-Butyl Ether (MTBE)   | ND     |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Naphthalene                   | ND     |           | 9.8  | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| n-Butylbenzene                | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| N-Propylbenzene               | ND     |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| o-Xylene                      | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| m,p-Xylene                    | ND     |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| p-Isopropyltoluene            | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| sec-Butylbenzene              | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Styrene                       | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| trans-1,2-Dichloroethene      | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| trans-1,3-Dichloropropene     | ND     |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Tert-amyl-methyl ether (TAME) | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| tert-Butyl alcohol (TBA)      | ND     |           | 20   | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| tert-Butylbenzene             | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Tetrachloroethene             | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Toluene                       | ND     |           | 0.98 | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Trichloroethene               | ND     |           | 2.0  | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Trichlorofluoromethane        | ND     |           | 9.8  | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Vinyl acetate                 | ND     |           | 9.8  | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

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

**Client Sample ID: B-4-2**  
**Date Collected: 05/27/21 10:10**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-8**  
**Matrix: Solid**

| Analyte                      | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Vinyl chloride               | ND        |           | 0.98     | ug/Kg |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Surrogate                    | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 64 - 141 |       |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| 4-Bromofluorobenzene (Surr)  | 98        |           | 76 - 120 |       |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Dibromofluoromethane (Surr)  | 99        |           | 47 - 142 |       |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |
| Toluene-d8 (Surr)            | 99        |           | 80 - 120 |       |   | 05/27/21 17:22 | 05/27/21 22:07 | 1       |

DRAFT

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8015B - Gasoline Range Organics - (GC)

**Client Sample ID: B-1-0.5**  
**Date Collected: 05/27/21 08:40**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-1**  
**Matrix: Solid**

| Analyte                          | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (C4-C12) | ND        |           | 0.099    | mg/Kg |   | 05/27/21 17:58 | 05/27/21 18:44 | 1       |
| Surrogate                        | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)      | 85        |           | 42 - 126 |       |   | 05/27/21 17:58 | 05/27/21 18:44 | 1       |

**Client Sample ID: B-1-2**  
**Date Collected: 05/27/21 08:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-2**  
**Matrix: Solid**

| Analyte                          | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (C4-C12) | ND        |           | 0.099    | mg/Kg |   | 05/27/21 17:58 | 05/27/21 19:08 | 1       |
| Surrogate                        | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)      | 65        |           | 42 - 126 |       |   | 05/27/21 17:58 | 05/27/21 19:08 | 1       |

**Client Sample ID: B-2-0.5**  
**Date Collected: 05/27/21 09:05**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-3**  
**Matrix: Solid**

| Analyte                          | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (C4-C12) | ND        |           | 0.099    | mg/Kg |   | 05/27/21 17:58 | 05/27/21 19:33 | 1       |
| Surrogate                        | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)      | 60        |           | 42 - 126 |       |   | 05/27/21 17:58 | 05/27/21 19:33 | 1       |

**Client Sample ID: B-2-2**  
**Date Collected: 05/27/21 09:15**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-4**  
**Matrix: Solid**

| Analyte                          | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (C4-C12) | ND        |           | 0.10     | mg/Kg |   | 05/27/21 17:58 | 05/27/21 19:57 | 1       |
| Surrogate                        | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)      | 85        |           | 42 - 126 |       |   | 05/27/21 17:58 | 05/27/21 19:57 | 1       |

**Client Sample ID: B-3-0.5**  
**Date Collected: 05/27/21 09:40**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-5**  
**Matrix: Solid**

| Analyte                          | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (C4-C12) | ND        |           | 0.099    | mg/Kg |   | 05/27/21 17:58 | 05/27/21 20:21 | 1       |
| Surrogate                        | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)      | 62        |           | 42 - 126 |       |   | 05/27/21 17:58 | 05/27/21 20:21 | 1       |

**Client Sample ID: B-3-2**  
**Date Collected: 05/27/21 09:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-6**  
**Matrix: Solid**

| Analyte                          | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (C4-C12) | ND        |           | 0.10     | mg/Kg |   | 05/27/21 17:58 | 05/27/21 20:45 | 1       |
| Surrogate                        | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)      | 53        |           | 42 - 126 |       |   | 05/27/21 17:58 | 05/27/21 20:45 | 1       |



# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8015B - Gasoline Range Organics - (GC)

**Client Sample ID: B-4-0.5**  
**Date Collected: 05/27/21 10:00**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-7**  
**Matrix: Solid**

| Analyte                          | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (C4-C12) | ND        |           | 0.10     | mg/Kg |   | 05/27/21 17:58 | 05/27/21 21:09 | 1       |
| Surrogate                        | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)      | 61        |           | 42 - 126 |       |   | 05/27/21 17:58 | 05/27/21 21:09 | 1       |

**Client Sample ID: B-4-2**  
**Date Collected: 05/27/21 10:10**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-8**  
**Matrix: Solid**

| Analyte                          | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (C4-C12) | ND        |           | 0.10     | mg/Kg |   | 05/27/21 17:58 | 05/27/21 21:33 | 1       |
| Surrogate                        | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr)      | 63        |           | 42 - 126 |       |   | 05/27/21 17:58 | 05/27/21 21:33 | 1       |

DRAFT

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8015B - Diesel Range Organics (DRO) (GC)

**Client Sample ID: B-1-0.5**  
**Date Collected: 05/27/21 08:40**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-1**  
**Matrix: Solid**

| Analyte                    | Result           | Qualifier        | RL            | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|----------------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| C13-C14                    | ND               |                  | 5.1           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:03  | 1              |
| <b>C15-C16</b>             | <b>6.7</b>       |                  | 5.1           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:03  | 1              |
| <b>C17-C18</b>             | <b>13</b>        |                  | 5.1           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:03  | 1              |
| <b>C19-C20</b>             | <b>24</b>        |                  | 5.1           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:03  | 1              |
| <b>C21-C22</b>             | <b>43</b>        |                  | 5.1           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:03  | 1              |
| <b>C23-C24</b>             | <b>77</b>        |                  | 5.1           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:03  | 1              |
| <b>C25-C28</b>             | <b>210</b>       |                  | 5.1           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:03  | 1              |
| <b>C29-C32</b>             | <b>200</b>       |                  | 5.1           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:03  | 1              |
| <b>C33-C36</b>             | <b>140</b>       |                  | 5.1           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:03  | 1              |
| <b>C37-C40</b>             | <b>85</b>        |                  | 5.1           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:03  | 1              |
| <b>C41-C44</b>             | <b>37</b>        |                  | 5.1           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:03  | 1              |
| <b>C13-C22</b>             | <b>92</b>        |                  | 5.1           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:03  | 1              |
| <b>C23-C44</b>             | <b>750</b>       |                  | 5.1           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:03  | 1              |
| <b>C13-C44</b>             | <b>840</b>       |                  | 5.1           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:03  | 1              |
| <b>Surrogate</b>           | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| <i>n-Octacosane (Surr)</i> | 114              |                  | 60 - 138      |       |   | 05/27/21 13:55  | 05/28/21 09:03  | 1              |

**Client Sample ID: B-1-2**  
**Date Collected: 05/27/21 08:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-2**  
**Matrix: Solid**

| Analyte                    | Result           | Qualifier        | RL            | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|----------------------------|------------------|------------------|---------------|-------|---|-----------------|-----------------|----------------|
| C13-C14                    | ND               |                  | 5.0           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:24  | 1              |
| C15-C16                    | ND               |                  | 5.0           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:24  | 1              |
| C17-C18                    | ND               |                  | 5.0           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:24  | 1              |
| C19-C20                    | ND               |                  | 5.0           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:24  | 1              |
| C21-C22                    | ND               |                  | 5.0           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:24  | 1              |
| C23-C24                    | ND               |                  | 5.0           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:24  | 1              |
| C25-C28                    | ND               |                  | 5.0           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:24  | 1              |
| C29-C32                    | ND               |                  | 5.0           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:24  | 1              |
| C33-C36                    | ND               |                  | 5.0           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:24  | 1              |
| C37-C40                    | ND               |                  | 5.0           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:24  | 1              |
| C41-C44                    | ND               |                  | 5.0           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:24  | 1              |
| C13-C22                    | ND               |                  | 5.0           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:24  | 1              |
| <b>C23-C44</b>             | <b>15</b>        |                  | 5.0           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:24  | 1              |
| <b>C13-C44</b>             | <b>16</b>        |                  | 5.0           | mg/Kg |   | 05/27/21 13:55  | 05/28/21 09:24  | 1              |
| <b>Surrogate</b>           | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| <i>n-Octacosane (Surr)</i> | 111              |                  | 60 - 138      |       |   | 05/27/21 13:55  | 05/28/21 09:24  | 1              |

**Client Sample ID: B-2-0.5**  
**Date Collected: 05/27/21 09:05**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-3**  
**Matrix: Solid**

| Analyte | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| C13-C14 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 09:44 | 1       |
| C15-C16 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 09:44 | 1       |
| C17-C18 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 09:44 | 1       |
| C19-C20 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 09:44 | 1       |
| C21-C22 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 09:44 | 1       |
| C23-C24 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 09:44 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

**Client Sample ID: B-2-0.5**  
**Date Collected: 05/27/21 09:05**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-3**  
**Matrix: Solid**

| Analyte        | Result     | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|------------|-----------|-----|-------|---|----------------|----------------|---------|
| <b>C25-C28</b> | <b>8.7</b> |           | 5.0 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 09:44 | 1       |
| C29-C32        | ND         |           | 5.0 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 09:44 | 1       |
| <b>C33-C36</b> | <b>15</b>  |           | 5.0 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 09:44 | 1       |
| <b>C37-C40</b> | <b>13</b>  |           | 5.0 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 09:44 | 1       |
| <b>C41-C44</b> | <b>8.2</b> |           | 5.0 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 09:44 | 1       |
| <b>C13-C22</b> | <b>8.5</b> |           | 5.0 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 09:44 | 1       |
| <b>C23-C44</b> | <b>60</b>  |           | 5.0 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 09:44 | 1       |
| <b>C13-C44</b> | <b>69</b>  |           | 5.0 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 09:44 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>n</i> -Octacosane (Surr) | 81        |           | 60 - 138 | 05/27/21 15:08 | 05/28/21 09:44 | 1       |

**Client Sample ID: B-2-2**  
**Date Collected: 05/27/21 09:15**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-4**  
**Matrix: Solid**

| Analyte        | Result     | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|------------|-----------|-----|-------|---|----------------|----------------|---------|
| C13-C14        | ND         |           | 5.2 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:03 | 1       |
| C15-C16        | ND         |           | 5.2 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:03 | 1       |
| C17-C18        | ND         |           | 5.2 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:03 | 1       |
| <b>C19-C20</b> | <b>5.8</b> |           | 5.2 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:03 | 1       |
| <b>C21-C22</b> | <b>7.1</b> |           | 5.2 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:03 | 1       |
| C23-C24        | ND         |           | 5.2 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:03 | 1       |
| <b>C25-C28</b> | <b>5.3</b> |           | 5.2 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:03 | 1       |
| C29-C32        | ND         |           | 5.2 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:03 | 1       |
| C33-C36        | ND         |           | 5.2 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:03 | 1       |
| C37-C40        | ND         |           | 5.2 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:03 | 1       |
| C41-C44        | ND         |           | 5.2 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:03 | 1       |
| <b>C13-C22</b> | <b>15</b>  |           | 5.2 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:03 | 1       |
| <b>C23-C44</b> | <b>23</b>  |           | 5.2 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:03 | 1       |
| <b>C13-C44</b> | <b>38</b>  |           | 5.2 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:03 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| <i>n</i> -Octacosane (Surr) | 117       |           | 60 - 138 | 05/27/21 15:08 | 05/28/21 10:03 | 1       |

**Client Sample ID: B-3-0.5**  
**Date Collected: 05/27/21 09:40**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-5**  
**Matrix: Solid**

| Analyte        | Result     | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|------------|-----------|-----|-------|---|----------------|----------------|---------|
| C13-C14        | ND         |           | 4.9 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:22 | 1       |
| C15-C16        | ND         |           | 4.9 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:22 | 1       |
| C17-C18        | ND         |           | 4.9 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:22 | 1       |
| C19-C20        | ND         |           | 4.9 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:22 | 1       |
| <b>C21-C22</b> | <b>6.5</b> |           | 4.9 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:22 | 1       |
| <b>C23-C24</b> | <b>7.1</b> |           | 4.9 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:22 | 1       |
| <b>C25-C28</b> | <b>24</b>  |           | 4.9 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:22 | 1       |
| C29-C32        | ND         |           | 4.9 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:22 | 1       |
| <b>C33-C36</b> | <b>30</b>  |           | 4.9 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:22 | 1       |
| <b>C37-C40</b> | <b>26</b>  |           | 4.9 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:22 | 1       |
| <b>C41-C44</b> | <b>16</b>  |           | 4.9 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:22 | 1       |
| <b>C13-C22</b> | <b>13</b>  |           | 4.9 | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:22 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

**Client Sample ID: B-3-0.5**  
**Date Collected: 05/27/21 09:40**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-5**  
**Matrix: Solid**

| Analyte             | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| C23-C44             | 130       |           | 4.9      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:22 | 1       |
| C13-C44             | 150       |           | 4.9      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 10:22 | 1       |
| Surrogate           | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| n-Octacosane (Surr) | 98        |           | 60 - 138 |       |   | 05/27/21 15:08 | 05/28/21 10:22 | 1       |

**Client Sample ID: B-3-2**  
**Date Collected: 05/27/21 09:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-6**  
**Matrix: Solid**

| Analyte             | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| C13-C14             | ND        |           | 5.1      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:59 | 1       |
| C15-C16             | ND        |           | 5.1      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:59 | 1       |
| C17-C18             | ND        |           | 5.1      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:59 | 1       |
| C19-C20             | ND        |           | 5.1      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:59 | 1       |
| C21-C22             | ND        |           | 5.1      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:59 | 1       |
| C23-C24             | ND        |           | 5.1      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:59 | 1       |
| C25-C28             | ND        |           | 5.1      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:59 | 1       |
| C29-C32             | ND        |           | 5.1      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:59 | 1       |
| C33-C36             | ND        |           | 5.1      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:59 | 1       |
| C37-C40             | ND        |           | 5.1      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:59 | 1       |
| C41-C44             | ND        |           | 5.1      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:59 | 1       |
| C13-C22             | 5.6       |           | 5.1      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:59 | 1       |
| C23-C44             | 8.3       |           | 5.1      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:59 | 1       |
| C13-C44             | 14        |           | 5.1      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:59 | 1       |
| Surrogate           | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| n-Octacosane (Surr) | 77        |           | 60 - 138 |       |   | 05/27/21 15:08 | 05/28/21 11:59 | 1       |

**Client Sample ID: B-4-0.5**  
**Date Collected: 05/27/21 10:00**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-7**  
**Matrix: Solid**

| Analyte             | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| C13-C14             | ND        |           | 5.2      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:01 | 1       |
| C15-C16             | ND        |           | 5.2      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:01 | 1       |
| C17-C18             | ND        |           | 5.2      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:01 | 1       |
| C19-C20             | ND        |           | 5.2      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:01 | 1       |
| C21-C22             | 6.9       |           | 5.2      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:01 | 1       |
| C23-C24             | ND        |           | 5.2      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:01 | 1       |
| C25-C28             | 8.3       |           | 5.2      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:01 | 1       |
| C29-C32             | ND        |           | 5.2      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:01 | 1       |
| C33-C36             | 7.3       |           | 5.2      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:01 | 1       |
| C37-C40             | 6.7       |           | 5.2      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:01 | 1       |
| C41-C44             | ND        |           | 5.2      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:01 | 1       |
| C13-C22             | 13        |           | 5.2      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:01 | 1       |
| C23-C44             | 37        |           | 5.2      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:01 | 1       |
| C13-C44             | 50        |           | 5.2      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:01 | 1       |
| Surrogate           | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| n-Octacosane (Surr) | 103       |           | 60 - 138 |       |   | 05/27/21 15:08 | 05/28/21 11:01 | 1       |

# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8015B - Diesel Range Organics (DRO) (GC)

**Client Sample ID: B-4-2**  
**Date Collected: 05/27/21 10:10**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-8**  
**Matrix: Solid**

| Analyte                     | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| C13-C14                     | ND        |           | 5.0      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:20 | 1       |
| C15-C16                     | ND        |           | 5.0      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:20 | 1       |
| C17-C18                     | ND        |           | 5.0      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:20 | 1       |
| C19-C20                     | ND        |           | 5.0      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:20 | 1       |
| C21-C22                     | ND        |           | 5.0      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:20 | 1       |
| C23-C24                     | ND        |           | 5.0      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:20 | 1       |
| C25-C28                     | ND        |           | 5.0      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:20 | 1       |
| C29-C32                     | ND        |           | 5.0      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:20 | 1       |
| C33-C36                     | ND        |           | 5.0      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:20 | 1       |
| C37-C40                     | ND        |           | 5.0      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:20 | 1       |
| C41-C44                     | ND        |           | 5.0      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:20 | 1       |
| C13-C22                     | ND        |           | 5.0      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:20 | 1       |
| C23-C44                     | ND        |           | 5.0      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:20 | 1       |
| C13-C44                     | ND        |           | 5.0      | mg/Kg |   | 05/27/21 15:08 | 05/28/21 11:20 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| <i>n</i> -Octacosane (Surr) | 112       |           | 60 - 138 |       |   | 05/27/21 15:08 | 05/28/21 11:20 | 1       |

DRAFT

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15



# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8081A - Organochlorine Pesticides (GC)

**Client Sample ID: B-5-0.5**  
**Date Collected: 05/27/21 10:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-9**  
**Matrix: Solid**

| Analyte            | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| 4,4'-DDE           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| 4,4'-DDT           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| Aldrin             | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| alpha-BHC          | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| alpha-Chlordane    | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| beta-BHC           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| Chlordane          | ND     |           | 25  | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| delta-BHC          | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| Dieldrin           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| Endosulfan I       | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| Endosulfan II      | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| Endosulfan sulfate | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| Endrin             | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| Endrin aldehyde    | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| Endrin ketone      | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| gamma-Chlordane    | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| gamma-BHC          | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| Heptachlor         | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| Heptachlor epoxide | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| Methoxychlor       | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| Toxaphene          | ND     |           | 25  | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:50 | 1       |

| Surrogate                     | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene          | 76        |           | 38 - 148 | 05/27/21 15:02 | 05/28/21 12:50 | 1       |
| DCB Decachlorobiphenyl (Surr) | 71        |           | 37 - 151 | 05/27/21 15:02 | 05/28/21 12:50 | 1       |

**Client Sample ID: B-5-2**  
**Date Collected: 05/27/21 11:00**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-10**  
**Matrix: Solid**

| Analyte            | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| 4,4'-DDE           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| 4,4'-DDT           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| Aldrin             | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| alpha-BHC          | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| alpha-Chlordane    | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| beta-BHC           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| Chlordane          | ND     |           | 25  | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| delta-BHC          | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| Dieldrin           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| Endosulfan I       | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| Endosulfan II      | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| Endosulfan sulfate | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| Endrin             | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| Endrin aldehyde    | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| Endrin ketone      | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| gamma-Chlordane    | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| gamma-BHC          | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| Heptachlor         | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8081A - Organochlorine Pesticides (GC) (Continued)

**Client Sample ID: B-5-2**  
**Date Collected: 05/27/21 11:00**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-10**  
**Matrix: Solid**

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Heptachlor epoxide                   | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| Methoxychlor                         | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| Toxaphene                            | ND        |           | 25       | ug/Kg |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| <i>Tetrachloro-m-xylene</i>          | 86        |           | 38 - 148 |       |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |
| <i>DCB Decachlorobiphenyl (Surr)</i> | 87        |           | 37 - 151 |       |   | 05/27/21 15:02 | 05/28/21 14:58 | 1       |

**Client Sample ID: B-6-0.5**  
**Date Collected: 05/27/21 11:10**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-11**  
**Matrix: Solid**

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| 4,4'-DDD                             | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| 4,4'-DDE                             | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| 4,4'-DDT                             | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| Aldrin                               | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| alpha-BHC                            | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| alpha-Chlordane                      | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| beta-BHC                             | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| Chlordane                            | ND        |           | 25       | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| delta-BHC                            | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| Dieldrin                             | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| Endosulfan I                         | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| Endosulfan II                        | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| Endosulfan sulfate                   | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| Endrin                               | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| Endrin aldehyde                      | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| Endrin ketone                        | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| gamma-Chlordane                      | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| gamma-BHC                            | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| Heptachlor                           | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| Heptachlor epoxide                   | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| Methoxychlor                         | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| Toxaphene                            | ND        |           | 25       | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| <i>Tetrachloro-m-xylene</i>          | 85        |           | 38 - 148 |       |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |
| <i>DCB Decachlorobiphenyl (Surr)</i> | 79        |           | 37 - 151 |       |   | 05/27/21 15:02 | 05/28/21 11:41 | 1       |

**Client Sample ID: B-6-2**  
**Date Collected: 05/27/21 11:15**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-12**  
**Matrix: Solid**

| Analyte         | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD        | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| 4,4'-DDE        | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| 4,4'-DDT        | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| Aldrin          | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| alpha-BHC       | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| alpha-Chlordane | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| beta-BHC        | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8081A - Organochlorine Pesticides (GC) (Continued)

**Client Sample ID: B-6-2**  
**Date Collected: 05/27/21 11:15**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-12**  
**Matrix: Solid**

| Analyte                       | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Chlordane                     | ND        |           | 25       | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| delta-BHC                     | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| Dieldrin                      | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| Endosulfan I                  | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| Endosulfan II                 | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| Endosulfan sulfate            | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| Endrin                        | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| Endrin aldehyde               | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| Endrin ketone                 | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| gamma-Chlordane               | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| gamma-BHC                     | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| Heptachlor                    | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| Heptachlor epoxide            | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| Methoxychlor                  | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| Toxaphene                     | ND        |           | 25       | ug/Kg |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| Surrogate                     | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Tetrachloro-m-xylene          | 71        |           | 38 - 148 |       |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |
| DCB Decachlorobiphenyl (Surr) | 71        |           | 37 - 151 |       |   | 05/27/21 15:02 | 05/28/21 11:55 | 1       |

**Client Sample ID: B-7-0.5**  
**Date Collected: 05/27/21 11:25**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-13**  
**Matrix: Solid**

| Analyte                       | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| 4,4'-DDD                      | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| 4,4'-DDE                      | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| 4,4'-DDT                      | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| Aldrin                        | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| alpha-BHC                     | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| alpha-Chlordane               | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| beta-BHC                      | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| Chlordane                     | ND        |           | 25       | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| delta-BHC                     | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| Dieldrin                      | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| Endosulfan I                  | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| Endosulfan II                 | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| Endosulfan sulfate            | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| Endrin                        | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| Endrin aldehyde               | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| Endrin ketone                 | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| gamma-Chlordane               | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| gamma-BHC                     | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| Heptachlor                    | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| Heptachlor epoxide            | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| Methoxychlor                  | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| Toxaphene                     | ND        |           | 25       | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| Surrogate                     | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| Tetrachloro-m-xylene          | 92        |           | 38 - 148 |       |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |
| DCB Decachlorobiphenyl (Surr) | 84        |           | 37 - 151 |       |   | 05/27/21 15:02 | 05/28/21 12:09 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8081A - Organochlorine Pesticides (GC)

**Client Sample ID: B-7-2**  
**Date Collected: 05/27/21 11:35**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-14**  
**Matrix: Solid**

| Analyte            | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| 4,4'-DDE           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| 4,4'-DDT           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| Aldrin             | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| alpha-BHC          | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| alpha-Chlordane    | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| beta-BHC           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| Chlordane          | ND     |           | 25  | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| delta-BHC          | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| Dieldrin           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| Endosulfan I       | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| Endosulfan II      | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| Endosulfan sulfate | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| Endrin             | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| Endrin aldehyde    | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| Endrin ketone      | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| gamma-Chlordane    | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| gamma-BHC          | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| Heptachlor         | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| Heptachlor epoxide | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| Methoxychlor       | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| Toxaphene          | ND     |           | 25  | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:24 | 1       |

| Surrogate                     | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Tetrachloro-m-xylene          | 73        |           | 38 - 148 | 05/27/21 15:02 | 05/28/21 12:24 | 1       |
| DCB Decachlorobiphenyl (Surr) | 68        |           | 37 - 151 | 05/27/21 15:02 | 05/28/21 12:24 | 1       |

**Client Sample ID: B-8-0.5**  
**Date Collected: 05/27/21 11:45**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-15**  
**Matrix: Solid**

| Analyte            | Result | Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| 4,4'-DDE           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| 4,4'-DDT           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| Aldrin             | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| alpha-BHC          | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| alpha-Chlordane    | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| beta-BHC           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| Chlordane          | ND     |           | 25  | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| delta-BHC          | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| Dieldrin           | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| Endosulfan I       | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| Endosulfan II      | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| Endosulfan sulfate | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| Endrin             | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| Endrin aldehyde    | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| Endrin ketone      | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| gamma-Chlordane    | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| gamma-BHC          | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| Heptachlor         | ND     |           | 5.0 | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8081A - Organochlorine Pesticides (GC) (Continued)

**Client Sample ID: B-8-0.5**  
**Date Collected: 05/27/21 11:45**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-15**  
**Matrix: Solid**

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Heptachlor epoxide                   | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| Methoxychlor                         | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| Toxaphene                            | ND        |           | 25       | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| <i>Tetrachloro-m-xylene</i>          | 87        |           | 38 - 148 |       |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |
| <i>DCB Decachlorobiphenyl (Surr)</i> | 78        |           | 37 - 151 |       |   | 05/27/21 15:02 | 05/28/21 12:38 | 1       |

**Client Sample ID: B-8-2**  
**Date Collected: 05/27/21 11:55**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-16**  
**Matrix: Solid**

| Analyte                              | Result    | Qualifier | RL       | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| 4,4'-DDD                             | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| 4,4'-DDE                             | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| 4,4'-DDT                             | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| Aldrin                               | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| alpha-BHC                            | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| alpha-Chlordane                      | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| beta-BHC                             | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| Chlordane                            | ND        |           | 25       | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| delta-BHC                            | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| Dieldrin                             | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| Endosulfan I                         | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| Endosulfan II                        | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| Endosulfan sulfate                   | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| Endrin                               | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| Endrin aldehyde                      | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| Endrin ketone                        | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| gamma-Chlordane                      | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| gamma-BHC                            | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| Heptachlor                           | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| Heptachlor epoxide                   | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| Methoxychlor                         | ND        |           | 5.0      | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| Toxaphene                            | ND        |           | 25       | ug/Kg |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |       |   | Prepared       | Analyzed       | Dil Fac |
| <i>Tetrachloro-m-xylene</i>          | 121       |           | 38 - 148 |       |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |
| <i>DCB Decachlorobiphenyl (Surr)</i> | 110       |           | 37 - 151 |       |   | 05/27/21 15:02 | 05/28/21 12:52 | 1       |



# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 6010B - Metals (ICP)

**Client Sample ID: B-1-0.5**  
**Date Collected: 05/27/21 08:40**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-1**  
**Matrix: Solid**

| Analyte          | Result      | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-------------|-----------|-------|-------|---|----------------|----------------|---------|
| Antimony         | ND          | F1        | 2.96  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:47 | 1       |
| Arsenic          | ND          | L         | 2.46  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:47 | 1       |
| <b>Barium</b>    | <b>145</b>  |           | 0.493 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:47 | 1       |
| <b>Beryllium</b> | <b>1.03</b> |           | 0.246 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:47 | 1       |
| <b>Cadmium</b>   | <b>1.27</b> |           | 0.493 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:47 | 1       |
| <b>Chromium</b>  | <b>36.1</b> |           | 0.985 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:47 | 1       |
| <b>Cobalt</b>    | <b>16.0</b> |           | 0.985 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:47 | 1       |
| <b>Copper</b>    | <b>84.7</b> | F1        | 0.985 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:47 | 1       |
| <b>Lead</b>      | <b>26.0</b> |           | 4.93  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:47 | 1       |
| Molybdenum       | ND          | L         | 0.493 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:47 | 1       |
| <b>Nickel</b>    | <b>22.7</b> |           | 0.493 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:47 | 1       |
| Selenium         | ND          | F1        | 4.93  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:47 | 1       |
| Silver           | ND          |           | 0.985 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:47 | 1       |
| Thallium         | ND          | F1        | 4.93  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:47 | 1       |
| <b>Vanadium</b>  | <b>55.6</b> |           | 0.985 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:47 | 1       |
| <b>Zinc</b>      | <b>165</b>  |           | 9.85  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:47 | 1       |

**Client Sample ID: B-1-2**  
**Date Collected: 05/27/21 08:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-2**  
**Matrix: Solid**

| Analyte          | Result       | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|---|----------------|----------------|---------|
| Antimony         | ND           | L         | 3.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:54 | 1       |
| Arsenic          | ND           | L         | 2.50  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:54 | 1       |
| <b>Barium</b>    | <b>141</b>   |           | 0.500 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:54 | 1       |
| <b>Beryllium</b> | <b>1.19</b>  |           | 0.250 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:54 | 1       |
| <b>Cadmium</b>   | <b>0.814</b> |           | 0.500 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:54 | 1       |
| <b>Chromium</b>  | <b>44.3</b>  |           | 1.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:54 | 1       |
| <b>Cobalt</b>    | <b>19.1</b>  |           | 1.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:54 | 1       |
| <b>Copper</b>    | <b>27.7</b>  |           | 1.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:54 | 1       |
| Lead             | ND           |           | 5.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:54 | 1       |
| Molybdenum       | ND           | L         | 0.500 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:54 | 1       |
| <b>Nickel</b>    | <b>25.9</b>  |           | 0.500 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:54 | 1       |
| Selenium         | ND           |           | 5.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:54 | 1       |
| Silver           | ND           |           | 1.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:54 | 1       |
| Thallium         | ND           |           | 5.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:54 | 1       |
| <b>Vanadium</b>  | <b>66.3</b>  |           | 1.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:54 | 1       |
| <b>Zinc</b>      | <b>90.8</b>  |           | 10.0  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:54 | 1       |

**Client Sample ID: B-2-0.5**  
**Date Collected: 05/27/21 09:05**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-3**  
**Matrix: Solid**

| Analyte          | Result      | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|-------------|-----------|-------|-------|---|----------------|----------------|---------|
| Antimony         | ND          | L         | 3.03  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:56 | 1       |
| Arsenic          | ND          | L         | 2.53  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:56 | 1       |
| <b>Barium</b>    | <b>159</b>  |           | 0.505 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:56 | 1       |
| <b>Beryllium</b> | <b>1.13</b> |           | 0.253 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:56 | 1       |
| <b>Cadmium</b>   | <b>1.06</b> |           | 0.505 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:56 | 1       |
| <b>Chromium</b>  | <b>38.4</b> |           | 1.01  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:56 | 1       |
| <b>Cobalt</b>    | <b>17.2</b> |           | 1.01  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:56 | 1       |
| <b>Copper</b>    | <b>31.5</b> |           | 1.01  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:56 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 6010B - Metals (ICP) (Continued)

**Client Sample ID: B-2-0.5**  
**Date Collected: 05/27/21 09:05**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-3**  
**Matrix: Solid**

| Analyte         | Result      | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|-------------|-----------|-------|-------|---|----------------|----------------|---------|
| <b>Lead</b>     | <b>26.2</b> |           | 5.05  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:56 | 1       |
| Molybdenum      | ND          | L         | 0.505 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:56 | 1       |
| <b>Nickel</b>   | <b>24.0</b> |           | 0.505 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:56 | 1       |
| Selenium        | ND          |           | 5.05  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:56 | 1       |
| Silver          | ND          |           | 1.01  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:56 | 1       |
| Thallium        | ND          |           | 5.05  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:56 | 1       |
| <b>Vanadium</b> | <b>60.1</b> |           | 1.01  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:56 | 1       |
| <b>Zinc</b>     | <b>159</b>  |           | 10.1  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:56 | 1       |

**Client Sample ID: B-2-2**  
**Date Collected: 05/27/21 09:15**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-4**  
**Matrix: Solid**

| Analyte          | Result       | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|---|----------------|----------------|---------|
| Antimony         | ND           | L         | 2.91  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:58 | 1       |
| Arsenic          | ND           | L         | 2.43  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:58 | 1       |
| <b>Barium</b>    | <b>162</b>   |           | 0.485 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:58 | 1       |
| <b>Beryllium</b> | <b>1.30</b>  |           | 0.243 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:58 | 1       |
| <b>Cadmium</b>   | <b>0.913</b> |           | 0.485 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:58 | 1       |
| <b>Chromium</b>  | <b>44.2</b>  |           | 0.971 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:58 | 1       |
| <b>Cobalt</b>    | <b>19.4</b>  |           | 0.971 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:58 | 1       |
| <b>Copper</b>    | <b>32.5</b>  |           | 0.971 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:58 | 1       |
| <b>Lead</b>      | <b>7.50</b>  |           | 4.85  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:58 | 1       |
| Molybdenum       | ND           | L         | 0.485 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:58 | 1       |
| <b>Nickel</b>    | <b>26.4</b>  |           | 0.485 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:58 | 1       |
| Selenium         | ND           |           | 4.85  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:58 | 1       |
| Silver           | ND           |           | 0.971 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:58 | 1       |
| Thallium         | ND           |           | 4.85  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:58 | 1       |
| <b>Vanadium</b>  | <b>68.5</b>  |           | 0.971 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:58 | 1       |
| <b>Zinc</b>      | <b>117</b>   |           | 9.71  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:58 | 1       |

**Client Sample ID: B-3-0.5**  
**Date Collected: 05/27/21 09:40**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-5**  
**Matrix: Solid**

| Analyte          | Result       | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|---|----------------|----------------|---------|
| Antimony         | ND           | L         | 2.93  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:00 | 1       |
| Arsenic          | ND           |           | 2.44  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:00 | 1       |
| <b>Barium</b>    | <b>167</b>   |           | 0.488 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:00 | 1       |
| <b>Beryllium</b> | <b>1.06</b>  |           | 0.244 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:00 | 1       |
| <b>Cadmium</b>   | <b>0.974</b> |           | 0.488 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:00 | 1       |
| <b>Chromium</b>  | <b>38.7</b>  |           | 0.976 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:00 | 1       |
| <b>Cobalt</b>    | <b>16.5</b>  |           | 0.976 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:00 | 1       |
| <b>Copper</b>    | <b>34.8</b>  |           | 0.976 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:00 | 1       |
| <b>Lead</b>      | <b>68.3</b>  |           | 4.88  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:00 | 1       |
| Molybdenum       | ND           | L         | 0.488 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:00 | 1       |
| <b>Nickel</b>    | <b>23.4</b>  |           | 0.488 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:00 | 1       |
| Selenium         | ND           |           | 4.88  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:00 | 1       |
| Silver           | ND           |           | 0.976 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:00 | 1       |
| Thallium         | ND           |           | 4.88  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:00 | 1       |
| <b>Vanadium</b>  | <b>57.5</b>  |           | 0.976 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:00 | 1       |
| <b>Zinc</b>      | <b>191</b>   |           | 9.76  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:00 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 6010B - Metals (ICP)

**Client Sample ID: B-3-2**  
**Date Collected: 05/27/21 09:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-6**  
**Matrix: Solid**

| Analyte          | Result       | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 3.06  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:09 | 1       |
| Arsenic          | ND           | L         | 2.55  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:09 | 1       |
| <b>Barium</b>    | <b>147</b>   |           | 0.510 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:09 | 1       |
| <b>Beryllium</b> | <b>1.16</b>  |           | 0.255 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:09 | 1       |
| <b>Cadmium</b>   | <b>0.846</b> |           | 0.510 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:09 | 1       |
| <b>Chromium</b>  | <b>44.8</b>  |           | 1.02  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:09 | 1       |
| <b>Cobalt</b>    | <b>19.3</b>  |           | 1.02  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:09 | 1       |
| <b>Copper</b>    | <b>32.8</b>  |           | 1.02  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:09 | 1       |
| Lead             | ND           |           | 5.10  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:09 | 1       |
| Molybdenum       | ND           | L         | 0.510 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:09 | 1       |
| <b>Nickel</b>    | <b>26.8</b>  |           | 0.510 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:09 | 1       |
| Selenium         | ND           |           | 5.10  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:09 | 1       |
| Silver           | ND           |           | 1.02  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:09 | 1       |
| Thallium         | ND           |           | 5.10  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:09 | 1       |
| <b>Vanadium</b>  | <b>66.4</b>  |           | 1.02  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:09 | 1       |
| <b>Zinc</b>      | <b>91.4</b>  |           | 10.2  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:09 | 1       |

**Client Sample ID: B-4-0.5**  
**Date Collected: 05/27/21 10:00**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-7**  
**Matrix: Solid**

| Analyte          | Result       | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 2.91  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:11 | 1       |
| Arsenic          | ND           |           | 2.43  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:11 | 1       |
| <b>Barium</b>    | <b>92.0</b>  |           | 0.485 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:11 | 1       |
| <b>Beryllium</b> | <b>0.650</b> |           | 0.243 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:11 | 1       |
| <b>Cadmium</b>   | <b>0.603</b> |           | 0.485 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:11 | 1       |
| <b>Chromium</b>  | <b>22.0</b>  |           | 0.971 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:11 | 1       |
| <b>Cobalt</b>    | <b>9.81</b>  |           | 0.971 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:11 | 1       |
| <b>Copper</b>    | <b>24.0</b>  |           | 0.971 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:11 | 1       |
| <b>Lead</b>      | <b>26.1</b>  |           | 4.85  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:11 | 1       |
| Molybdenum       | ND           |           | 0.485 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:11 | 1       |
| <b>Nickel</b>    | <b>15.1</b>  |           | 0.485 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:11 | 1       |
| Selenium         | ND           |           | 4.85  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:11 | 1       |
| Silver           | ND           |           | 0.971 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:11 | 1       |
| Thallium         | ND           |           | 4.85  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:11 | 1       |
| <b>Vanadium</b>  | <b>35.0</b>  |           | 0.971 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:11 | 1       |
| <b>Zinc</b>      | <b>98.6</b>  |           | 9.71  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:11 | 1       |

**Client Sample ID: B-4-2**  
**Date Collected: 05/27/21 10:10**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-8**  
**Matrix: Solid**

| Analyte          | Result       | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 3.05  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:13 | 1       |
| Arsenic          | ND           | L         | 2.54  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:13 | 1       |
| <b>Barium</b>    | <b>155</b>   |           | 0.508 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:13 | 1       |
| <b>Beryllium</b> | <b>1.18</b>  |           | 0.254 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:13 | 1       |
| <b>Cadmium</b>   | <b>0.981</b> |           | 0.508 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:13 | 1       |
| <b>Chromium</b>  | <b>46.5</b>  |           | 1.02  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:13 | 1       |
| <b>Cobalt</b>    | <b>19.9</b>  |           | 1.02  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:13 | 1       |
| <b>Copper</b>    | <b>33.6</b>  |           | 1.02  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:13 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 6010B - Metals (ICP) (Continued)

**Client Sample ID: B-4-2**  
**Date Collected: 05/27/21 10:10**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-8**  
**Matrix: Solid**

| Analyte         | Result      | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|-------------|-----------|-------|-------|---|----------------|----------------|---------|
| Lead            | ND          |           | 5.08  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:13 | 1       |
| Molybdenum      | ND          | L         | 0.508 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:13 | 1       |
| <b>Nickel</b>   | <b>27.6</b> |           | 0.508 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:13 | 1       |
| Selenium        | ND          |           | 5.08  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:13 | 1       |
| Silver          | ND          |           | 1.02  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:13 | 1       |
| Thallium        | ND          |           | 5.08  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:13 | 1       |
| <b>Vanadium</b> | <b>68.7</b> |           | 1.02  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:13 | 1       |
| <b>Zinc</b>     | <b>90.9</b> |           | 10.2  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:13 | 1       |

**Client Sample ID: B-5-0.5**  
**Date Collected: 05/27/21 10:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-9**  
**Matrix: Solid**

| Analyte          | Result       | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 2.94  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:15 | 1       |
| Arsenic          | ND           |           | 2.45  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:15 | 1       |
| <b>Barium</b>    | <b>65.6</b>  |           | 0.490 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:15 | 1       |
| <b>Beryllium</b> | <b>0.554</b> |           | 0.245 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:15 | 1       |
| Cadmium          | ND           |           | 0.490 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:15 | 1       |
| <b>Chromium</b>  | <b>14.8</b>  |           | 0.980 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:15 | 1       |
| <b>Cobalt</b>    | <b>8.03</b>  |           | 0.980 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:15 | 1       |
| <b>Copper</b>    | <b>11.2</b>  |           | 0.980 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:15 | 1       |
| Lead             | ND           |           | 4.90  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:15 | 1       |
| Molybdenum       | ND           | L         | 0.490 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:15 | 1       |
| <b>Nickel</b>    | <b>9.22</b>  |           | 0.490 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:15 | 1       |
| Selenium         | ND           |           | 4.90  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:15 | 1       |
| Silver           | ND           |           | 0.980 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:15 | 1       |
| Thallium         | ND           |           | 4.90  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:15 | 1       |
| <b>Vanadium</b>  | <b>31.0</b>  |           | 0.980 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:15 | 1       |
| <b>Zinc</b>      | <b>45.8</b>  |           | 9.80  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:15 | 1       |

**Client Sample ID: B-5-2**  
**Date Collected: 05/27/21 11:00**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-10**  
**Matrix: Solid**

| Analyte          | Result       | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 3.06  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:17 | 1       |
| Arsenic          | ND           |           | 2.55  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:17 | 1       |
| <b>Barium</b>    | <b>48.7</b>  |           | 0.510 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:17 | 1       |
| <b>Beryllium</b> | <b>0.397</b> |           | 0.255 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:17 | 1       |
| Cadmium          | ND           |           | 0.510 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:17 | 1       |
| <b>Chromium</b>  | <b>14.3</b>  |           | 1.02  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:17 | 1       |
| <b>Cobalt</b>    | <b>6.36</b>  |           | 1.02  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:17 | 1       |
| <b>Copper</b>    | <b>8.71</b>  |           | 1.02  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:17 | 1       |
| Lead             | ND           |           | 5.10  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:17 | 1       |
| Molybdenum       | ND           |           | 0.510 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:17 | 1       |
| <b>Nickel</b>    | <b>7.65</b>  |           | 0.510 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:17 | 1       |
| Selenium         | ND           |           | 5.10  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:17 | 1       |
| Silver           | ND           |           | 1.02  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:17 | 1       |
| Thallium         | ND           |           | 5.10  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:17 | 1       |
| <b>Vanadium</b>  | <b>23.9</b>  |           | 1.02  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:17 | 1       |
| <b>Zinc</b>      | <b>33.6</b>  |           | 10.2  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:17 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 6010B - Metals (ICP)

**Client Sample ID: B-6-0.5**  
**Date Collected: 05/27/21 11:10**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-11**  
**Matrix: Solid**

| Analyte          | Result       | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 2.97  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:19 | 1       |
| Arsenic          | ND           |           | 2.48  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:19 | 1       |
| <b>Barium</b>    | <b>58.4</b>  |           | 0.495 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:19 | 1       |
| <b>Beryllium</b> | <b>0.555</b> |           | 0.248 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:19 | 1       |
| Cadmium          | ND           |           | 0.495 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:19 | 1       |
| <b>Chromium</b>  | <b>15.2</b>  |           | 0.990 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:19 | 1       |
| <b>Cobalt</b>    | <b>8.37</b>  |           | 0.990 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:19 | 1       |
| <b>Copper</b>    | <b>10.8</b>  |           | 0.990 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:19 | 1       |
| Lead             | ND           |           | 4.95  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:19 | 1       |
| Molybdenum       | ND           | L         | 0.495 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:19 | 1       |
| <b>Nickel</b>    | <b>9.65</b>  |           | 0.495 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:19 | 1       |
| Selenium         | ND           |           | 4.95  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:19 | 1       |
| Silver           | ND           |           | 0.990 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:19 | 1       |
| Thallium         | ND           |           | 4.95  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:19 | 1       |
| <b>Vanadium</b>  | <b>31.6</b>  |           | 0.990 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:19 | 1       |
| <b>Zinc</b>      | <b>44.1</b>  |           | 9.90  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:19 | 1       |

**Client Sample ID: B-6-2**  
**Date Collected: 05/27/21 11:15**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-12**  
**Matrix: Solid**

| Analyte         | Result      | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|-------------|-----------|-------|-------|---|----------------|----------------|---------|
| Antimony        | ND          |           | 2.97  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:21 | 1       |
| Arsenic         | ND          |           | 2.48  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:21 | 1       |
| <b>Barium</b>   | <b>27.9</b> |           | 0.495 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:21 | 1       |
| Beryllium       | ND          |           | 0.248 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:21 | 1       |
| Cadmium         | ND          |           | 0.495 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:21 | 1       |
| <b>Chromium</b> | <b>5.22</b> |           | 0.990 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:21 | 1       |
| <b>Cobalt</b>   | <b>3.59</b> |           | 0.990 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:21 | 1       |
| <b>Copper</b>   | <b>3.65</b> |           | 0.990 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:21 | 1       |
| Lead            | ND          |           | 4.95  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:21 | 1       |
| Molybdenum      | ND          |           | 0.495 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:21 | 1       |
| <b>Nickel</b>   | <b>3.46</b> |           | 0.495 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:21 | 1       |
| Selenium        | ND          |           | 4.95  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:21 | 1       |
| Silver          | ND          |           | 0.990 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:21 | 1       |
| Thallium        | ND          |           | 4.95  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:21 | 1       |
| <b>Vanadium</b> | <b>12.4</b> |           | 0.990 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:21 | 1       |
| <b>Zinc</b>     | <b>17.2</b> |           | 9.90  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:21 | 1       |

**Client Sample ID: B-7-0.5**  
**Date Collected: 05/27/21 11:25**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-13**  
**Matrix: Solid**

| Analyte          | Result       | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 3.08  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:23 | 1       |
| Arsenic          | ND           | L         | 2.56  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:23 | 1       |
| <b>Barium</b>    | <b>82.2</b>  |           | 0.513 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:23 | 1       |
| <b>Beryllium</b> | <b>0.672</b> |           | 0.256 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:23 | 1       |
| Cadmium          | ND           |           | 0.513 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:23 | 1       |
| <b>Chromium</b>  | <b>21.8</b>  |           | 1.03  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:23 | 1       |
| <b>Cobalt</b>    | <b>10.6</b>  |           | 1.03  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:23 | 1       |
| <b>Copper</b>    | <b>13.8</b>  |           | 1.03  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:23 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 6010B - Metals (ICP) (Continued)

**Client Sample ID: B-7-0.5**  
**Date Collected: 05/27/21 11:25**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-13**  
**Matrix: Solid**

| Analyte         | Result      | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------|-------------|-----------|-------|-------|---|----------------|----------------|---------|
| Lead            | ND          |           | 5.13  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:23 | 1       |
| Molybdenum      | ND          |           | 0.513 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:23 | 1       |
| <b>Nickel</b>   | <b>13.2</b> |           | 0.513 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:23 | 1       |
| Selenium        | ND          |           | 5.13  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:23 | 1       |
| Silver          | ND          |           | 1.03  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:23 | 1       |
| Thallium        | ND          |           | 5.13  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:23 | 1       |
| <b>Vanadium</b> | <b>38.8</b> |           | 1.03  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:23 | 1       |
| <b>Zinc</b>     | <b>52.6</b> |           | 10.3  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:23 | 1       |

**Client Sample ID: B-7-2**  
**Date Collected: 05/27/21 11:35**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-14**  
**Matrix: Solid**

| Analyte          | Result       | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 3.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:25 | 1       |
| Arsenic          | ND           |           | 2.50  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:25 | 1       |
| <b>Barium</b>    | <b>46.7</b>  |           | 0.500 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:25 | 1       |
| <b>Beryllium</b> | <b>0.360</b> |           | 0.250 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:25 | 1       |
| Cadmium          | ND           |           | 0.500 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:25 | 1       |
| <b>Chromium</b>  | <b>12.2</b>  |           | 1.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:25 | 1       |
| <b>Cobalt</b>    | <b>6.23</b>  |           | 1.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:25 | 1       |
| <b>Copper</b>    | <b>5.52</b>  |           | 1.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:25 | 1       |
| Lead             | ND           |           | 5.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:25 | 1       |
| Molybdenum       | ND           |           | 0.500 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:25 | 1       |
| <b>Nickel</b>    | <b>7.42</b>  |           | 0.500 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:25 | 1       |
| Selenium         | ND           |           | 5.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:25 | 1       |
| Silver           | ND           |           | 1.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:25 | 1       |
| Thallium         | ND           |           | 5.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:25 | 1       |
| <b>Vanadium</b>  | <b>22.7</b>  |           | 1.00  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:25 | 1       |
| <b>Zinc</b>      | <b>29.4</b>  |           | 10.0  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:25 | 1       |

**Client Sample ID: B-8-0.5**  
**Date Collected: 05/27/21 11:45**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-15**  
**Matrix: Solid**

| Analyte          | Result       | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 3.11  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:27 | 1       |
| Arsenic          | ND           | L         | 2.59  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:27 | 1       |
| <b>Barium</b>    | <b>102</b>   |           | 0.518 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:27 | 1       |
| <b>Beryllium</b> | <b>0.888</b> |           | 0.259 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:27 | 1       |
| <b>Cadmium</b>   | <b>0.606</b> |           | 0.518 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:27 | 1       |
| <b>Chromium</b>  | <b>25.0</b>  |           | 1.04  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:27 | 1       |
| <b>Cobalt</b>    | <b>12.4</b>  |           | 1.04  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:27 | 1       |
| <b>Copper</b>    | <b>17.9</b>  |           | 1.04  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:27 | 1       |
| Lead             | ND           |           | 5.18  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:27 | 1       |
| Molybdenum       | ND           | L         | 0.518 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:27 | 1       |
| <b>Nickel</b>    | <b>15.3</b>  |           | 0.518 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:27 | 1       |
| Selenium         | ND           |           | 5.18  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:27 | 1       |
| Silver           | ND           |           | 1.04  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:27 | 1       |
| Thallium         | ND           |           | 5.18  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:27 | 1       |
| <b>Vanadium</b>  | <b>46.2</b>  |           | 1.04  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:27 | 1       |
| <b>Zinc</b>      | <b>72.3</b>  |           | 10.4  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:27 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 6010B - Metals (ICP)

**Client Sample ID: B-8-2**  
**Date Collected: 05/27/21 11:55**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-16**  
**Matrix: Solid**

| Analyte          | Result       | Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------------|--------------|-----------|-------|-------|---|----------------|----------------|---------|
| Antimony         | ND           |           | 2.93  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:36 | 1       |
| Arsenic          | ND           |           | 2.44  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:36 | 1       |
| <b>Barium</b>    | <b>42.6</b>  |           | 0.488 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:36 | 1       |
| <b>Beryllium</b> | <b>0.357</b> |           | 0.244 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:36 | 1       |
| Cadmium          | ND           |           | 0.488 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:36 | 1       |
| <b>Chromium</b>  | <b>9.76</b>  |           | 0.976 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:36 | 1       |
| <b>Cobalt</b>    | <b>5.47</b>  |           | 0.976 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:36 | 1       |
| <b>Copper</b>    | <b>7.03</b>  |           | 0.976 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:36 | 1       |
| Lead             | ND           |           | 4.88  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:36 | 1       |
| Molybdenum       | ND           |           | 0.488 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:36 | 1       |
| <b>Nickel</b>    | <b>5.74</b>  |           | 0.488 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:36 | 1       |
| Selenium         | ND           |           | 4.88  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:36 | 1       |
| Silver           | ND           |           | 0.976 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:36 | 1       |
| Thallium         | ND           |           | 4.88  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:36 | 1       |
| <b>Vanadium</b>  | <b>23.7</b>  |           | 0.976 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:36 | 1       |
| <b>Zinc</b>      | <b>29.6</b>  |           | 9.76  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 14:36 | 1       |

DRAFT

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 7471A - Mercury (CVAA)

**Client Sample ID: B-1-0.5**  
**Date Collected: 05/27/21 08:40**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-1**  
**Matrix: Solid**

| Analyte | Result | Qualifier | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.0794 | mg/Kg |   | 05/27/21 15:00 | 05/27/21 16:59 | 1       |

**Client Sample ID: B-1-2**  
**Date Collected: 05/27/21 08:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-2**  
**Matrix: Solid**

| Analyte | Result | Qualifier | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.0862 | mg/Kg |   | 05/27/21 15:00 | 05/27/21 17:04 | 1       |

**Client Sample ID: B-2-0.5**  
**Date Collected: 05/27/21 09:05**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-3**  
**Matrix: Solid**

| Analyte | Result | Qualifier | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.0833 | mg/Kg |   | 05/27/21 15:00 | 05/27/21 17:06 | 1       |

**Client Sample ID: B-2-2**  
**Date Collected: 05/27/21 09:15**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-4**  
**Matrix: Solid**

| Analyte | Result | Qualifier | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.0877 | mg/Kg |   | 05/27/21 15:00 | 05/27/21 17:08 | 1       |

**Client Sample ID: B-3-0.5**  
**Date Collected: 05/27/21 09:40**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-5**  
**Matrix: Solid**

| Analyte | Result | Qualifier | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.0794 | mg/Kg |   | 05/27/21 15:00 | 05/27/21 17:10 | 1       |

**Client Sample ID: B-3-2**  
**Date Collected: 05/27/21 09:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-6**  
**Matrix: Solid**

| Analyte | Result | Qualifier | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.0862 | mg/Kg |   | 05/27/21 15:00 | 05/27/21 17:16 | 1       |

**Client Sample ID: B-4-0.5**  
**Date Collected: 05/27/21 10:00**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-7**  
**Matrix: Solid**

| Analyte | Result | Qualifier | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.0877 | mg/Kg |   | 05/27/21 15:00 | 05/27/21 17:17 | 1       |

**Client Sample ID: B-4-2**  
**Date Collected: 05/27/21 10:10**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-8**  
**Matrix: Solid**

| Analyte | Result | Qualifier | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.0847 | mg/Kg |   | 05/27/21 15:00 | 05/27/21 17:19 | 1       |

**Client Sample ID: B-5-0.5**  
**Date Collected: 05/27/21 10:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-9**  
**Matrix: Solid**

| Analyte | Result | Qualifier | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.0806 | mg/Kg |   | 05/27/21 15:00 | 05/27/21 17:21 | 1       |

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# Client Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 7471A - Mercury (CVAA)

**Client Sample ID: B-5-2**  
**Date Collected: 05/27/21 11:00**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-10**  
**Matrix: Solid**

| Analyte | Result | Qualifier | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.0794 | mg/Kg |   | 05/27/21 15:00 | 05/27/21 17:23 | 1       |

**Client Sample ID: B-6-0.5**  
**Date Collected: 05/27/21 11:10**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-11**  
**Matrix: Solid**

| Analyte | Result | Qualifier | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.0877 | mg/Kg |   | 05/27/21 15:00 | 05/27/21 17:25 | 1       |

**Client Sample ID: B-6-2**  
**Date Collected: 05/27/21 11:15**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-12**  
**Matrix: Solid**

| Analyte | Result | Qualifier | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.0820 | mg/Kg |   | 05/27/21 15:00 | 05/27/21 17:27 | 1       |

**Client Sample ID: B-7-0.5**  
**Date Collected: 05/27/21 11:25**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-13**  
**Matrix: Solid**

| Analyte | Result | Qualifier | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.0847 | mg/Kg |   | 05/27/21 15:00 | 05/27/21 17:29 | 1       |

**Client Sample ID: B-7-2**  
**Date Collected: 05/27/21 11:35**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-14**  
**Matrix: Solid**

| Analyte | Result | Qualifier | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.0862 | mg/Kg |   | 05/27/21 15:00 | 05/27/21 17:31 | 1       |

**Client Sample ID: B-8-0.5**  
**Date Collected: 05/27/21 11:45**  
**Date Received: 05/27/21 13:45**

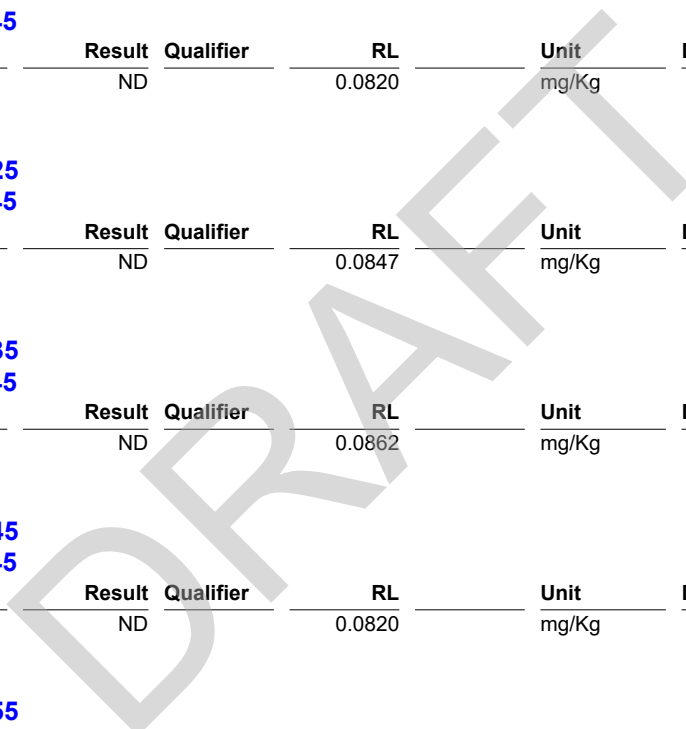
**Lab Sample ID: 570-60286-15**  
**Matrix: Solid**

| Analyte | Result | Qualifier | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.0820 | mg/Kg |   | 05/27/21 15:00 | 05/27/21 17:33 | 1       |

**Client Sample ID: B-8-2**  
**Date Collected: 05/27/21 11:55**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-16**  
**Matrix: Solid**

| Analyte | Result | Qualifier | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND     |           | 0.0820 | mg/Kg |   | 05/27/21 15:00 | 05/27/21 17:38 | 1       |



# Surrogate Summary

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                  |                 |
|---------------------|------------------------|--|-----------------|------------------|-----------------|
|                     |                        | DCA<br>(64-141)                                | BFB<br>(76-120) | DBFM<br>(47-142) | TOL<br>(80-120) |
| 570-60286-1         | B-1-0.5                | 100  | 96              | 99               | 99              |
| 570-60286-2         | B-1-2                  | 100  | 95              | 101              | 99              |
| 570-60286-3         | B-2-0.5                | 104  | 96              | 104              | 97              |
| 570-60286-4         | B-2-2                  | 102  | 96              | 100              | 100             |
| 570-60286-5         | B-3-0.5                | 102  | 95              | 101              | 99              |
| 570-60286-6         | B-3-2                  | 103  | 96              | 99               | 100             |
| 570-60286-7         | B-4-0.5                | 99   | 95              | 100              | 98              |
| 570-60286-8         | B-4-2                  | 98   | 98              | 99               | 99              |
| 570-60286-8 MS      | B-4-2                  | 99   | 101             | 102              | 101             |
| 570-60286-8 MSD     | B-4-2                  | 98   | 101             | 102              | 100             |
| LCS 570-153618/1-A  | Lab Control Sample     | 96   | 99              | 100              | 98              |
| LCSD 570-153618/2-A | Lab Control Sample Dup | 95   | 99              | 100              | 100             |
| MB 570-153618/3-A   | Method Blank           | 96   | 96              | 98               | 100             |

**Surrogate Legend**  
DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane (Surr)  
TOL = Toluene-d8 (Surr)

## Method: 8015B - Gasoline Range Organics - (GC)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |
|---------------------|------------------------|--|
|                     |                        | BFB1<br>(42-126)                               |
| 570-60286-1         | B-1-0.5                | 85   |
| 570-60286-2         | B-1-2                  | 65   |
| 570-60286-3         | B-2-0.5                | 60   |
| 570-60286-4         | B-2-2                  | 85   |
| 570-60286-5         | B-3-0.5                | 62   |
| 570-60286-6         | B-3-2                  | 53   |
| 570-60286-7         | B-4-0.5                | 61   |
| 570-60286-8         | B-4-2                  | 63   |
| LCS 570-153548/1-A  | Lab Control Sample     | 91   |
| LCSD 570-153548/2-A | Lab Control Sample Dup | 92   |
| MB 570-153548/3-A   | Method Blank           | 76   |

**Surrogate Legend**  
BFB = 4-Bromofluorobenzene (Surr)

## Method: 8015B - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID | Client Sample ID | Percent Surrogate Recovery (Acceptance Limits) |
|---------------|------------------|--|
|               |                  | OTCSN1<br>(60-138)                             |
| 570-60286-1   | B-1-0.5          | 114  |
| 570-60286-2   | B-1-2            | 111  |
| 570-60286-3   | B-2-0.5          | 81   |
| 570-60286-4   | B-2-2            | 117  |

# Surrogate Summary

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | OTCSN1<br>(60-138) |
|---------------------|------------------------|--------------------|
| 570-60286-5         | B-3-0.5                | 98                 |
| 570-60286-6         | B-3-2                  | 77                 |
| 570-60286-7         | B-4-0.5                | 103                |
| 570-60286-8         | B-4-2                  | 112                |
| LCS 570-153571/2-A  | Lab Control Sample     | 105                |
| LCSD 570-153571/3-A | Lab Control Sample Dup | 113                |
| MB 570-153571/1-A   | Method Blank           | 112                |

#### Surrogate Legend

OTCSN = n-Octacosane (Surr)

## Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID       | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                  |
|---------------------|------------------------|--|------------------|
|                     |                        | TCX1<br>(38-148)                               | DCB1<br>(37-151) |
| 570-60286-9         | B-5-0.5                | 76   | 71               |
| 570-60286-10        | B-5-2                  | 86   | 87               |
| 570-60286-11        | B-6-0.5                | 85   | 79               |
| 570-60286-12        | B-6-2                  | 71   | 71               |
| 570-60286-13        | B-7-0.5                | 92   | 84               |
| 570-60286-14        | B-7-2                  | 73   | 68               |
| 570-60286-15        | B-8-0.5                | 87   | 78               |
| 570-60286-16        | B-8-2                  | 121  | 110              |
| LCS 570-153452/2-A  | Lab Control Sample     | 116  | 113              |
| LCSD 570-153452/3-A | Lab Control Sample Dup | 110  | 106              |
| MB 570-153452/1-A   | Method Blank           | 104  | 96               |

#### Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl (Surr)



# QC Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8260B - Volatile Organic Compounds (GC/MS)

**Lab Sample ID: MB 570-153618/3-A**  
**Matrix: Solid**  
**Analysis Batch: 153563**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 153618**

| Analyte                               | MB     | MB        | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-------|---|----------------|----------------|---------|
|                                       | Result | Qualifier |     |       |   |                |                |         |
| 1,1,1,2-Tetrachloroethane             | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,1,1-Trichloroethane                 | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,1,2,2-Tetrachloroethane             | ND     |           | 2.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | ND     |           | 10  | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,1,2-Trichloroethane                 | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,1-Dichloroethane                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,1-Dichloroethene                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,1-Dichloropropene                   | ND     |           | 2.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,2,3-Trichlorobenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,2,3-Trichloropropane                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,2,4-Trichlorobenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,2,4-Trimethylbenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,2-Dibromo-3-Chloropropane           | ND     |           | 10  | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,2-Dibromoethane                     | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,2-Dichlorobenzene                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,2-Dichloroethane                    | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,2-Dichloropropane                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,3,5-Trimethylbenzene                | ND     |           | 2.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,3-Dichlorobenzene                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,3-Dichloropropane                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 1,4-Dichlorobenzene                   | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 2,2-Dichloropropane                   | ND     |           | 5.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 2-Butanone                            | ND     |           | 20  | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 2-Chlorotoluene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 2-Hexanone                            | ND     |           | 20  | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 4-Chlorotoluene                       | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 4-Methyl-2-pentanone                  | ND     |           | 20  | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Acetone                               | ND     |           | 20  | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Benzene                               | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Bromobenzene                          | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Bromochloromethane                    | ND     |           | 2.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Bromodichloromethane                  | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Bromoform                             | ND     |           | 5.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Bromomethane                          | ND     |           | 20  | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| cis-1,2-Dichloroethene                | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| cis-1,3-Dichloropropene               | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Carbon disulfide                      | ND     |           | 10  | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Carbon tetrachloride                  | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Chlorobenzene                         | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Chloroethane                          | ND     |           | 2.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Chloroform                            | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Chloromethane                         | ND     |           | 20  | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Dibromochloromethane                  | ND     |           | 2.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Dibromomethane                        | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Dichlorodifluoromethane               | ND     |           | 2.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Di-isopropyl ether (DIPE)             | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Ethanol                               | ND     |           | 250 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Ethylbenzene                          | ND     |           | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |

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# QC Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

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

**Lab Sample ID: MB 570-153618/3-A**  
**Matrix: Solid**  
**Analysis Batch: 153563**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 153618**

| Analyte                       | MB Result | MB Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|--------------|-----|-------|---|----------------|----------------|---------|
| Ethyl-t-butyl ether (ETBE)    | ND        |              | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Isopropylbenzene              | ND        |              | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Methylene Chloride            | ND        |              | 10  | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Methyl-t-Butyl Ether (MTBE)   | ND        |              | 2.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Naphthalene                   | ND        |              | 10  | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| n-Butylbenzene                | ND        |              | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| N-Propylbenzene               | ND        |              | 2.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| o-Xylene                      | ND        |              | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| m,p-Xylene                    | ND        |              | 2.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| p-Isopropyltoluene            | ND        |              | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| sec-Butylbenzene              | ND        |              | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Styrene                       | ND        |              | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| trans-1,2-Dichloroethene      | ND        |              | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| trans-1,3-Dichloropropene     | ND        |              | 2.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Tert-amyl-methyl ether (TAME) | ND        |              | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| tert-Butyl alcohol (TBA)      | ND        |              | 20  | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| tert-Butylbenzene             | ND        |              | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Tetrachloroethene             | ND        |              | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Toluene                       | ND        |              | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Trichloroethene               | ND        |              | 2.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Trichlorofluoromethane        | ND        |              | 10  | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Vinyl acetate                 | ND        |              | 10  | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Vinyl chloride                | ND        |              | 1.0 | ug/Kg |   | 05/27/21 16:22 | 05/27/21 21:39 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 96           |              | 64 - 141 | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| 4-Bromofluorobenzene (Surr)  | 96           |              | 76 - 120 | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Dibromofluoromethane (Surr)  | 98           |              | 47 - 142 | 05/27/21 16:22 | 05/27/21 21:39 | 1       |
| Toluene-d8 (Surr)            | 100          |              | 80 - 120 | 05/27/21 16:22 | 05/27/21 21:39 | 1       |

**Lab Sample ID: LCS 570-153618/1-A**  
**Matrix: Solid**  
**Analysis Batch: 153563**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 153618**

| Analyte                     | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | Limits   |
|-----------------------------|-------------|------------|---------------|-------|---|------|----------|
| 1,1-Dichloroethene          | 50.1        | 53.32      |               | ug/Kg |   | 106  | 68 - 120 |
| 1,2-Dibromoethane           | 50.1        | 58.56      |               | ug/Kg |   | 117  | 80 - 120 |
| 1,2-Dichlorobenzene         | 50.1        | 55.87      |               | ug/Kg |   | 112  | 80 - 120 |
| 1,2-Dichloroethane          | 50.1        | 52.63      |               | ug/Kg |   | 105  | 76 - 126 |
| Benzene                     | 50.1        | 55.28      |               | ug/Kg |   | 110  | 76 - 120 |
| Carbon tetrachloride        | 50.1        | 56.89      |               | ug/Kg |   | 114  | 68 - 132 |
| Chlorobenzene               | 50.1        | 56.15      |               | ug/Kg |   | 112  | 80 - 120 |
| Di-isopropyl ether (DIPE)   | 50.1        | 53.06      |               | ug/Kg |   | 106  | 69 - 123 |
| Ethanol                     | 50.1        | 447.2      |               | ug/Kg |   | 89   | 46 - 152 |
| Ethylbenzene                | 50.1        | 55.75      |               | ug/Kg |   | 111  | 80 - 120 |
| Ethyl-t-butyl ether (ETBE)  | 50.1        | 56.00      |               | ug/Kg |   | 112  | 69 - 121 |
| Methyl-t-Butyl Ether (MTBE) | 50.1        | 56.25      |               | ug/Kg |   | 112  | 70 - 120 |
| o-Xylene                    | 50.1        | 56.14      |               | ug/Kg |   | 112  | 76 - 125 |

# QC Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

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

**Lab Sample ID: LCS 570-153618/1-A**  
**Matrix: Solid**  
**Analysis Batch: 153563**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 153618**

| Analyte    | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|------------|-------------|------------|---------------|-------|---|------|--------------|
| m,p-Xylene | 100         | 110.4      |               | ug/Kg |   | 110  | 75 - 122     |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 96            |               | 64 - 141 |
| 4-Bromofluorobenzene (Surr)  | 99            |               | 76 - 120 |
| Dibromofluoromethane (Surr)  | 100           |               | 47 - 142 |
| Toluene-d8 (Surr)            | 98            |               | 80 - 120 |

**Lab Sample ID: LCSD 570-153618/2-A**  
**Matrix: Solid**  
**Analysis Batch: 153563**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 153618**

| Analyte                     | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | Limit |
|-----------------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-------|
| 1,1-Dichloroethene          | 50.3        | 50.28       |                | ug/Kg |   | 100  | 68 - 120     | 6   | 20    |
| 1,2-Dibromoethane           | 50.3        | 54.71       |                | ug/Kg |   | 109  | 80 - 120     | 7   | 20    |
| 1,2-Dichlorobenzene         | 50.3        | 53.53       |                | ug/Kg |   | 106  | 80 - 120     | 4   | 20    |
| 1,2-Dichloroethane          | 50.3        | 49.31       |                | ug/Kg |   | 98   | 76 - 126     | 7   | 20    |
| Benzene                     | 50.3        | 52.42       |                | ug/Kg |   | 104  | 76 - 120     | 5   | 20    |
| Carbon tetrachloride        | 50.3        | 54.11       |                | ug/Kg |   | 108  | 68 - 132     | 5   | 20    |
| Chlorobenzene               | 50.3        | 52.51       |                | ug/Kg |   | 104  | 80 - 120     | 7   | 20    |
| Di-isopropyl ether (DIPE)   | 50.3        | 50.08       |                | ug/Kg |   | 100  | 69 - 123     | 6   | 20    |
| Ethanol                     | 50.3        | 466.2       |                | ug/Kg |   | 93   | 46 - 152     | 4   | 30    |
| Ethylbenzene                | 50.3        | 52.72       |                | ug/Kg |   | 105  | 80 - 120     | 6   | 20    |
| Ethyl-t-butyl ether (ETBE)  | 50.3        | 52.93       |                | ug/Kg |   | 105  | 69 - 121     | 6   | 20    |
| Methyl-t-Butyl Ether (MTBE) | 50.3        | 52.65       |                | ug/Kg |   | 105  | 70 - 120     | 7   | 20    |
| o-Xylene                    | 50.3        | 53.17       |                | ug/Kg |   | 106  | 76 - 125     | 5   | 20    |
| m,p-Xylene                  | 101         | 104.7       |                | ug/Kg |   | 104  | 75 - 122     | 5   | 20    |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 95             |                | 64 - 141 |
| 4-Bromofluorobenzene (Surr)  | 99             |                | 76 - 120 |
| Dibromofluoromethane (Surr)  | 100            |                | 47 - 142 |
| Toluene-d8 (Surr)            | 100            |                | 80 - 120 |

**Lab Sample ID: 570-60286-8 MS**  
**Matrix: Solid**  
**Analysis Batch: 153563**

**Client Sample ID: B-4-2**  
**Prep Type: Total/NA**  
**Prep Batch: 153618**

| Analyte                   | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|---------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| 1,1-Dichloroethene        | ND            |                  | 49.0        | 47.80     |              | ug/Kg |   | 98   | 60 - 125     |
| 1,2-Dibromoethane         | ND            |                  | 49.0        | 53.40     |              | ug/Kg |   | 109  | 65 - 125     |
| 1,2-Dichlorobenzene       | ND            |                  | 49.0        | 46.52     |              | ug/Kg |   | 95   | 47 - 130     |
| 1,2-Dichloroethane        | ND            |                  | 49.0        | 48.75     |              | ug/Kg |   | 99   | 66 - 127     |
| Benzene                   | ND            |                  | 49.0        | 49.11     |              | ug/Kg |   | 100  | 70 - 125     |
| Carbon tetrachloride      | ND            |                  | 49.0        | 47.92     |              | ug/Kg |   | 98   | 60 - 130     |
| Chlorobenzene             | ND            |                  | 49.0        | 49.31     |              | ug/Kg |   | 101  | 65 - 125     |
| Di-isopropyl ether (DIPE) | ND            |                  | 49.0        | 47.80     |              | ug/Kg |   | 98   | 62 - 125     |
| Ethanol                   | ND            |                  | 490         | 461.0     |              | ug/Kg |   | 94   | 21 - 168     |

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# QC Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

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

**Lab Sample ID: 570-60286-8 MS**  
**Matrix: Solid**  
**Analysis Batch: 153563**

**Client Sample ID: B-4-2**  
**Prep Type: Total/NA**  
**Prep Batch: 153618**

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Ethylbenzene                | ND            |                  | 49.0        | 48.40     |              | ug/Kg |   | 99   | 64 - 125     |
| Ethyl-t-butyl ether (ETBE)  | ND            |                  | 49.0        | 49.98     |              | ug/Kg |   | 102  | 61 - 125     |
| Methyl-t-Butyl Ether (MTBE) | ND            |                  | 49.0        | 51.71     |              | ug/Kg |   | 105  | 61 - 125     |
| o-Xylene                    | ND            |                  | 49.0        | 48.21     |              | ug/Kg |   | 98   | 59 - 128     |
| m,p-Xylene                  | ND            |                  | 98.0        | 94.86     |              | ug/Kg |   | 97   | 60 - 125     |

| Surrogate                    | MS %Recovery | MS Qualifier | MS Limits |
|------------------------------|--------------|--------------|-----------|
| 1,2-Dichloroethane-d4 (Surr) | 99           |              | 64 - 141  |
| 4-Bromofluorobenzene (Surr)  | 101          |              | 76 - 120  |
| Dibromofluoromethane (Surr)  | 102          |              | 47 - 142  |
| Toluene-d8 (Surr)            | 101          |              | 80 - 120  |

**Lab Sample ID: 570-60286-8 MSD**  
**Matrix: Solid**  
**Analysis Batch: 153563**

**Client Sample ID: B-4-2**  
**Prep Type: Total/NA**  
**Prep Batch: 153618**

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-------|
| 1,1-Dichloroethene          | ND            |                  | 50.2        | 48.42      |               | ug/Kg |   | 96   | 60 - 125     | 1   | 20    |
| 1,2-Dibromoethane           | ND            |                  | 50.2        | 53.03      |               | ug/Kg |   | 106  | 65 - 125     | 1   | 21    |
| 1,2-Dichlorobenzene         | ND            |                  | 50.2        | 47.92      |               | ug/Kg |   | 95   | 47 - 130     | 3   | 29    |
| 1,2-Dichloroethane          | ND            |                  | 50.2        | 46.15      |               | ug/Kg |   | 92   | 66 - 127     | 5   | 20    |
| Benzene                     | ND            |                  | 50.2        | 48.74      |               | ug/Kg |   | 97   | 70 - 125     | 1   | 20    |
| Carbon tetrachloride        | ND            |                  | 50.2        | 50.48      |               | ug/Kg |   | 101  | 60 - 130     | 5   | 20    |
| Chlorobenzene               | ND            |                  | 50.2        | 49.32      |               | ug/Kg |   | 98   | 65 - 125     | 0   | 22    |
| Di-isopropyl ether (DIPE)   | ND            |                  | 50.2        | 47.49      |               | ug/Kg |   | 95   | 62 - 125     | 1   | 20    |
| Ethanol                     | ND            |                  | 50.2        | 359.5      |               | ug/Kg |   | 72   | 21 - 168     | 25  | 40    |
| Ethylbenzene                | ND            |                  | 50.2        | 48.92      |               | ug/Kg |   | 97   | 64 - 125     | 1   | 22    |
| Ethyl-t-butyl ether (ETBE)  | ND            |                  | 50.2        | 50.40      |               | ug/Kg |   | 100  | 61 - 125     | 1   | 20    |
| Methyl-t-Butyl Ether (MTBE) | ND            |                  | 50.2        | 50.81      |               | ug/Kg |   | 101  | 61 - 125     | 2   | 20    |
| o-Xylene                    | ND            |                  | 50.2        | 49.48      |               | ug/Kg |   | 99   | 59 - 128     | 3   | 24    |
| m,p-Xylene                  | ND            |                  | 100         | 97.66      |               | ug/Kg |   | 97   | 60 - 125     | 3   | 24    |

| Surrogate                    | MSD %Recovery | MSD Qualifier | MSD Limits |
|------------------------------|---------------|---------------|------------|
| 1,2-Dichloroethane-d4 (Surr) | 98            |               | 64 - 141   |
| 4-Bromofluorobenzene (Surr)  | 101           |               | 76 - 120   |
| Dibromofluoromethane (Surr)  | 102           |               | 47 - 142   |
| Toluene-d8 (Surr)            | 100           |               | 80 - 120   |

## Method: 8015B - Gasoline Range Organics - (GC)

**Lab Sample ID: MB 570-153548/3-A**  
**Matrix: Solid**  
**Analysis Batch: 153498**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 153548**

| Analyte                          | MB Result | MB Qualifier | RL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------------------|-----------|--------------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (C4-C12) | ND        |              | 0.10 | mg/Kg |   | 05/27/21 13:14 | 05/27/21 14:27 | 1       |

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# QC Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8015B - Gasoline Range Organics - (GC) (Continued)

**Lab Sample ID: MB 570-153548/3-A**  
**Matrix: Solid**  
**Analysis Batch: 153498**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 153548**

| Surrogate                   | MB MB     |           | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
|                             | %Recovery | Qualifier |          |                |                |         |
| 4-Bromofluorobenzene (Surr) | 76        |           | 42 - 126 | 05/27/21 13:14 | 05/27/21 14:27 | 1       |

**Lab Sample ID: LCS 570-153548/1-A**  
**Matrix: Solid**  
**Analysis Batch: 153498**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 153548**

| Analyte                          | Spike Added | LCS LCS |           | Unit  | D | %Rec | Limits   | RPD | Limit |
|----------------------------------|-------------|---------|-----------|-------|---|------|----------|-----|-------|
|                                  |             | Result  | Qualifier |       |   |      |          |     |       |
| Gasoline Range Organics (C4-C13) | 2.13        | 2.022   |           | mg/Kg |   | 95   | 70 - 124 | 0   | 18    |

| Surrogate                   | LCS LCS   |           | Limits   |
|-----------------------------|-----------|-----------|----------|
|                             | %Recovery | Qualifier |          |
| 4-Bromofluorobenzene (Surr) | 91        |           | 42 - 126 |

**Lab Sample ID: LCSD 570-153548/2-A**  
**Matrix: Solid**  
**Analysis Batch: 153498**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 153548**

| Analyte                          | Spike Added | LCSD LCSD |           | Unit  | D | %Rec | Limits   | RPD | Limit |
|----------------------------------|-------------|-----------|-----------|-------|---|------|----------|-----|-------|
|                                  |             | Result    | Qualifier |       |   |      |          |     |       |
| Gasoline Range Organics (C4-C13) | 2.14        | 2.031     |           | mg/Kg |   | 95   | 70 - 124 | 0   | 18    |

| Surrogate                   | LCSD LCSD |           | Limits   |
|-----------------------------|-----------|-----------|----------|
|                             | %Recovery | Qualifier |          |
| 4-Bromofluorobenzene (Surr) | 92        |           | 42 - 126 |

## Method: 8015B - Diesel Range Organics (DRO) (GC)

**Lab Sample ID: MB 570-153571/1-A**  
**Matrix: Solid**  
**Analysis Batch: 153636**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 153571**

| Analyte | MB MB  |           | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|--------|-----------|-----|-------|---|----------------|----------------|---------|
|         | Result | Qualifier |     |       |   |                |                |         |
| C13-C14 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 13:55 | 05/28/21 01:05 | 1       |
| C15-C16 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 13:55 | 05/28/21 01:05 | 1       |
| C17-C18 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 13:55 | 05/28/21 01:05 | 1       |
| C19-C20 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 13:55 | 05/28/21 01:05 | 1       |
| C21-C22 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 13:55 | 05/28/21 01:05 | 1       |
| C23-C24 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 13:55 | 05/28/21 01:05 | 1       |
| C25-C28 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 13:55 | 05/28/21 01:05 | 1       |
| C29-C32 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 13:55 | 05/28/21 01:05 | 1       |
| C33-C36 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 13:55 | 05/28/21 01:05 | 1       |
| C37-C40 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 13:55 | 05/28/21 01:05 | 1       |
| C41-C44 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 13:55 | 05/28/21 01:05 | 1       |
| C13-C22 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 13:55 | 05/28/21 01:05 | 1       |
| C23-C44 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 13:55 | 05/28/21 01:05 | 1       |
| C13-C44 | ND     |           | 5.0 | mg/Kg |   | 05/27/21 13:55 | 05/28/21 01:05 | 1       |

| Surrogate           | MB MB     |           | Limits   | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|-----------|----------|----------------|----------------|---------|
|                     | %Recovery | Qualifier |          |                |                |         |
| n-Octacosane (Surr) | 112       |           | 60 - 138 | 05/27/21 13:55 | 05/28/21 01:05 | 1       |

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# QC Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: LCS 570-153571/2-A**  
**Matrix: Solid**  
**Analysis Batch: 153636**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 153571**

| Analyte                         | Spike Added | LCS Result       | LCS Qualifier        | Unit  | D | %Rec | Limits        |
|---------------------------------|-------------|------------------|----------------------|-------|---|------|---------------|
| Diesel Range Organics [C10-C28] | 400         | 408.5            |                      | mg/Kg |   | 102  | 80 - 130      |
| <b>Surrogate</b>                |             | <b>%Recovery</b> | <b>LCS Qualifier</b> |       |   |      | <b>Limits</b> |
| <i>n</i> -Octacosane (Surr)     |             | 105              |                      |       |   |      | 60 - 138      |

**Lab Sample ID: LCSD 570-153571/3-A**  
**Matrix: Solid**  
**Analysis Batch: 153636**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 153571**

| Analyte                         | Spike Added | LCSD Result      | LCSD Qualifier        | Unit  | D | %Rec | Limits        | RPD | Limit |
|---------------------------------|-------------|------------------|-----------------------|-------|---|------|---------------|-----|-------|
| Diesel Range Organics [C10-C28] | 400         | 411.5            |                       | mg/Kg |   | 103  | 80 - 130      | 1   | 20    |
| <b>Surrogate</b>                |             | <b>%Recovery</b> | <b>LCSD Qualifier</b> |       |   |      | <b>Limits</b> |     |       |
| <i>n</i> -Octacosane (Surr)     |             | 113              |                       |       |   |      | 60 - 138      |     |       |

## Method: 8081A - Organochlorine Pesticides (GC)

**Lab Sample ID: MB 570-153452/1-A**  
**Matrix: Solid**  
**Analysis Batch: 153662**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 153452**

| Analyte            | MB Result | MB Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------|-----------|--------------|-----|-------|---|----------------|----------------|---------|
| 4,4'-DDD           | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| 4,4'-DDE           | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| 4,4'-DDT           | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| Aldrin             | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| alpha-BHC          | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| alpha-Chlordane    | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| beta-BHC           | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| Chlordane          | ND        |              | 25  | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| delta-BHC          | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| Dieldrin           | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| Endosulfan I       | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| Endosulfan II      | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| Endosulfan sulfate | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| Endrin             | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| Endrin aldehyde    | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| Endrin ketone      | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| gamma-Chlordane    | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| gamma-BHC          | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| Heptachlor         | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| Heptachlor epoxide | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| Methoxychlor       | ND        |              | 5.0 | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| Toxaphene          | ND        |              | 25  | ug/Kg |   | 05/27/21 09:48 | 05/28/21 11:53 | 1       |

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# QC Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8081A - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: MB 570-153452/1-A**  
**Matrix: Solid**  
**Analysis Batch: 153662**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 153452**

| Surrogate                     | MB MB     |           | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------------------------|-----------|-----------|----------|----------------|----------------|---------|
|                               | %Recovery | Qualifier |          |                |                |         |
| Tetrachloro-m-xylene          | 104       |           | 38 - 148 | 05/27/21 09:48 | 05/28/21 11:53 | 1       |
| DCB Decachlorobiphenyl (Surr) | 96        |           | 37 - 151 | 05/27/21 09:48 | 05/28/21 11:53 | 1       |

**Lab Sample ID: LCS 570-153452/2-A**  
**Matrix: Solid**  
**Analysis Batch: 153662**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 153452**

| Analyte            | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |  |
|--------------------|-------------|------------|---------------|-------|---|------|--------------|--|
|                    |             |            |               |       |   |      |              |  |
| 4,4'-DDD           | 25.0        | 29.57      |               | ug/Kg |   | 118  | 54 - 154     |  |
| 4,4'-DDE           | 25.0        | 29.51      |               | ug/Kg |   | 118  | 51 - 149     |  |
| 4,4'-DDT           | 25.0        | 30.62      |               | ug/Kg |   | 122  | 39 - 152     |  |
| Aldrin             | 25.0        | 28.82      |               | ug/Kg |   | 115  | 52 - 138     |  |
| alpha-BHC          | 25.0        | 30.82      |               | ug/Kg |   | 123  | 51 - 140     |  |
| alpha-Chlordane    | 25.0        | 28.31      |               | ug/Kg |   | 113  | 53 - 141     |  |
| beta-BHC           | 25.0        | 28.39      |               | ug/Kg |   | 114  | 53 - 141     |  |
| delta-BHC          | 25.0        | 29.56      |               | ug/Kg |   | 118  | 20 - 132     |  |
| Dieldrin           | 25.0        | 28.54      |               | ug/Kg |   | 114  | 52 - 144     |  |
| Endosulfan I       | 25.0        | 27.94      |               | ug/Kg |   | 112  | 49 - 139     |  |
| Endosulfan II      | 25.0        | 28.43      |               | ug/Kg |   | 114  | 51 - 150     |  |
| Endosulfan sulfate | 25.0        | 28.88      |               | ug/Kg |   | 116  | 45 - 139     |  |
| Endrin             | 25.0        | 29.36      |               | ug/Kg |   | 117  | 53 - 151     |  |
| Endrin aldehyde    | 25.0        | 27.33      |               | ug/Kg |   | 109  | 31 - 146     |  |
| gamma-Chlordane    | 25.0        | 29.06      |               | ug/Kg |   | 116  | 46 - 156     |  |
| gamma-BHC          | 25.0        | 30.80      |               | ug/Kg |   | 123  | 53 - 141     |  |
| Heptachlor         | 25.0        | 29.62      |               | ug/Kg |   | 118  | 52 - 144     |  |
| Heptachlor epoxide | 25.0        | 28.72      |               | ug/Kg |   | 115  | 54 - 141     |  |
| Methoxychlor       | 25.0        | 30.08      |               | ug/Kg |   | 120  | 47 - 148     |  |

| Surrogate                     | LCS LCS   |           | Limits   |
|-------------------------------|-----------|-----------|----------|
|                               | %Recovery | Qualifier |          |
| Tetrachloro-m-xylene          | 116       |           | 38 - 148 |
| DCB Decachlorobiphenyl (Surr) | 113       |           | 37 - 151 |

**Lab Sample ID: LCSD 570-153452/3-A**  
**Matrix: Solid**  
**Analysis Batch: 153662**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 153452**

| Analyte         | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits |   | RPD |       |
|-----------------|-------------|-------------|----------------|-------|---|------|--------------|---|-----|-------|
|                 |             |             |                |       |   |      |              |   | RPD | Limit |
| 4,4'-DDD        | 25.0        | 28.92       |                | ug/Kg |   | 116  | 54 - 154     | 2 | 30  |       |
| 4,4'-DDE        | 25.0        | 29.42       |                | ug/Kg |   | 118  | 51 - 149     | 0 | 28  |       |
| 4,4'-DDT        | 25.0        | 30.23       |                | ug/Kg |   | 121  | 39 - 152     | 1 | 31  |       |
| Aldrin          | 25.0        | 28.34       |                | ug/Kg |   | 113  | 52 - 138     | 2 | 30  |       |
| alpha-BHC       | 25.0        | 30.38       |                | ug/Kg |   | 122  | 51 - 140     | 1 | 29  |       |
| alpha-Chlordane | 25.0        | 28.35       |                | ug/Kg |   | 113  | 53 - 141     | 0 | 28  |       |
| beta-BHC        | 25.0        | 28.04       |                | ug/Kg |   | 112  | 53 - 141     | 1 | 29  |       |
| delta-BHC       | 25.0        | 29.44       |                | ug/Kg |   | 118  | 20 - 132     | 0 | 40  |       |
| Dieldrin        | 25.0        | 28.28       |                | ug/Kg |   | 113  | 52 - 144     | 1 | 28  |       |
| Endosulfan I    | 25.0        | 27.94       |                | ug/Kg |   | 112  | 49 - 139     | 0 | 28  |       |
| Endosulfan II   | 25.0        | 28.18       |                | ug/Kg |   | 113  | 51 - 150     | 1 | 29  |       |

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# QC Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 8081A - Organochlorine Pesticides (GC) (Continued)

**Lab Sample ID: LCSD 570-153452/3-A**  
**Matrix: Solid**  
**Analysis Batch: 153662**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 153452**

| Analyte            | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Endosulfan sulfate | 25.0        | 29.04       |                | ug/Kg |   | 116  | 45 - 139     | 1   | 30        |
| Endrin             | 25.0        | 29.18       |                | ug/Kg |   | 117  | 53 - 151     | 1   | 29        |
| Endrin aldehyde    | 25.0        | 27.17       |                | ug/Kg |   | 109  | 31 - 146     | 1   | 40        |
| gamma-Chlordane    | 25.0        | 28.73       |                | ug/Kg |   | 115  | 46 - 156     | 1   | 39        |
| gamma-BHC          | 25.0        | 30.48       |                | ug/Kg |   | 122  | 53 - 141     | 1   | 29        |
| Heptachlor         | 25.0        | 29.21       |                | ug/Kg |   | 117  | 52 - 144     | 1   | 29        |
| Heptachlor epoxide | 25.0        | 28.54       |                | ug/Kg |   | 114  | 54 - 141     | 1   | 29        |
| Methoxychlor       | 25.0        | 30.04       |                | ug/Kg |   | 120  | 47 - 148     | 0   | 29        |

| Surrogate                     | LCSD %Recovery | LCSD Qualifier | Limits   |
|-------------------------------|----------------|----------------|----------|
| Tetrachloro-m-xylene          | 110            |                | 38 - 148 |
| DCB Decachlorobiphenyl (Surr) | 106            |                | 37 - 151 |

## Method: 6010B - Metals (ICP)

**Lab Sample ID: MB 570-153579/1-A**  
**Matrix: Solid**  
**Analysis Batch: 153840**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 153579**

| Analyte    | MB Result | MB Qualifier | RL    | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|------------|-----------|--------------|-------|-------|---|----------------|----------------|---------|
| Antimony   | ND        |              | 3.09  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:40 | 1       |
| Arsenic    | ND        |              | 2.58  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:40 | 1       |
| Barium     | ND        |              | 0.515 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:40 | 1       |
| Beryllium  | ND        |              | 0.258 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:40 | 1       |
| Cadmium    | ND        |              | 0.515 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:40 | 1       |
| Chromium   | ND        |              | 1.03  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:40 | 1       |
| Cobalt     | ND        |              | 1.03  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:40 | 1       |
| Copper     | ND        |              | 1.03  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:40 | 1       |
| Lead       | ND        |              | 5.15  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:40 | 1       |
| Molybdenum | ND        |              | 0.515 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:40 | 1       |
| Nickel     | ND        |              | 0.515 | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:40 | 1       |
| Selenium   | ND        |              | 5.15  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:40 | 1       |
| Silver     | ND        |              | 1.03  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:40 | 1       |
| Thallium   | ND        |              | 5.15  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:40 | 1       |
| Vanadium   | ND        |              | 1.03  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:40 | 1       |
| Zinc       | ND        |              | 10.3  | mg/Kg |   | 05/27/21 15:00 | 05/28/21 13:40 | 1       |

**Lab Sample ID: LCS 570-153579/2-A**  
**Matrix: Solid**  
**Analysis Batch: 153840**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 153579**

| Analyte   | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|-----------|-------------|------------|---------------|-------|---|------|--------------|
| Antimony  | 24.4        | 25.00      |               | mg/Kg |   | 102  | 80 - 120     |
| Arsenic   | 24.4        | 24.24      |               | mg/Kg |   | 99   | 80 - 120     |
| Barium    | 24.4        | 27.96      |               | mg/Kg |   | 115  | 80 - 120     |
| Beryllium | 24.4        | 24.12      |               | mg/Kg |   | 99   | 80 - 120     |
| Cadmium   | 24.4        | 25.26      |               | mg/Kg |   | 104  | 80 - 120     |
| Chromium  | 24.4        | 26.19      |               | mg/Kg |   | 107  | 80 - 120     |
| Cobalt    | 24.4        | 25.55      |               | mg/Kg |   | 105  | 80 - 120     |

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# QC Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 6010B - Metals (ICP) (Continued)

**Lab Sample ID: LCS 570-153579/2-A**  
**Matrix: Solid**  
**Analysis Batch: 153840**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 153579**

| Analyte    | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|------------|-------------|------------|---------------|-------|---|------|--------------|
| Copper     | 24.4        | 27.75      |               | mg/Kg |   | 114  | 80 - 120     |
| Lead       | 24.4        | 25.01      |               | mg/Kg |   | 103  | 80 - 120     |
| Molybdenum | 24.4        | 25.27      |               | mg/Kg |   | 104  | 80 - 120     |
| Nickel     | 24.4        | 26.54      |               | mg/Kg |   | 109  | 80 - 120     |
| Selenium   | 24.4        | 23.49      |               | mg/Kg |   | 96   | 80 - 120     |
| Silver     | 12.2        | 11.09      |               | mg/Kg |   | 91   | 80 - 120     |
| Thallium   | 24.4        | 22.70      |               | mg/Kg |   | 93   | 80 - 120     |
| Vanadium   | 24.4        | 25.99      |               | mg/Kg |   | 107  | 80 - 120     |
| Zinc       | 24.4        | 23.37      |               | mg/Kg |   | 96   | 80 - 120     |

**Lab Sample ID: LCSD 570-153579/3-A**  
**Matrix: Solid**  
**Analysis Batch: 153840**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 153579**

| Analyte    | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Antimony   | 24.8        | 23.53       |                | mg/Kg |   | 95   | 80 - 120     | 6   | 20        |
| Arsenic    | 24.8        | 22.51       |                | mg/Kg |   | 91   | 80 - 120     | 7   | 20        |
| Barium     | 24.8        | 26.59       |                | mg/Kg |   | 107  | 80 - 120     | 5   | 20        |
| Beryllium  | 24.8        | 23.04       |                | mg/Kg |   | 93   | 80 - 120     | 5   | 20        |
| Cadmium    | 24.8        | 23.94       |                | mg/Kg |   | 97   | 80 - 120     | 5   | 20        |
| Chromium   | 24.8        | 24.68       |                | mg/Kg |   | 100  | 80 - 120     | 6   | 20        |
| Cobalt     | 24.8        | 24.12       |                | mg/Kg |   | 97   | 80 - 120     | 6   | 20        |
| Copper     | 24.8        | 27.09       |                | mg/Kg |   | 109  | 80 - 120     | 2   | 20        |
| Lead       | 24.8        | 23.17       |                | mg/Kg |   | 94   | 80 - 120     | 8   | 20        |
| Molybdenum | 24.8        | 24.33       |                | mg/Kg |   | 98   | 80 - 120     | 4   | 20        |
| Nickel     | 24.8        | 24.98       |                | mg/Kg |   | 101  | 80 - 120     | 6   | 20        |
| Selenium   | 24.8        | 23.29       |                | mg/Kg |   | 94   | 80 - 120     | 1   | 20        |
| Silver     | 12.4        | 10.56       |                | mg/Kg |   | 85   | 80 - 120     | 5   | 20        |
| Thallium   | 24.8        | 21.81       |                | mg/Kg |   | 88   | 80 - 120     | 4   | 20        |
| Vanadium   | 24.8        | 24.63       |                | mg/Kg |   | 99   | 80 - 120     | 5   | 20        |
| Zinc       | 24.8        | 21.63       |                | mg/Kg |   | 87   | 80 - 120     | 8   | 20        |

**Lab Sample ID: 570-60286-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 153840**

**Client Sample ID: B-1-0.5**  
**Prep Type: Total/NA**  
**Prep Batch: 153579**

| Analyte    | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Antimony   | ND            | F1               | 24.4        | ND        | F1           | mg/Kg |   | 0    | 75 - 125     |
| Arsenic    | ND            | L                | 24.4        | 22.18     |              | mg/Kg |   | 91   | 75 - 125     |
| Barium     | 145           |                  | 24.4        | 169.2     | 4            | mg/Kg |   | 98   | 75 - 125     |
| Beryllium  | 1.03          |                  | 24.4        | 24.78     |              | mg/Kg |   | 97   | 75 - 125     |
| Cadmium    | 1.27          |                  | 24.4        | 24.01     |              | mg/Kg |   | 93   | 75 - 125     |
| Chromium   | 36.1          |                  | 24.4        | 60.03     |              | mg/Kg |   | 98   | 75 - 125     |
| Cobalt     | 16.0          |                  | 24.4        | 37.76     |              | mg/Kg |   | 89   | 75 - 125     |
| Copper     | 84.7          | F1               | 24.4        | 65.40     | F1           | mg/Kg |   | -79  | 75 - 125     |
| Lead       | 26.0          |                  | 24.4        | 47.84     |              | mg/Kg |   | 90   | 75 - 125     |
| Molybdenum | ND            | L                | 24.4        | 21.83     |              | mg/Kg |   | 90   | 75 - 125     |
| Nickel     | 22.7          |                  | 24.4        | 45.47     |              | mg/Kg |   | 93   | 75 - 125     |
| Selenium   | ND            | F1               | 24.4        | 13.64     | F1           | mg/Kg |   | 56   | 75 - 125     |

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# QC Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 6010B - Metals (ICP) (Continued)

**Lab Sample ID: 570-60286-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 153840**

**Client Sample ID: B-1-0.5**  
**Prep Type: Total/NA**  
**Prep Batch: 153579**

| Analyte  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Silver   | ND            |                  | 12.2        | 11.32     |              | mg/Kg |   | 93   | 75 - 125     |
| Thallium | ND            | F1               | 24.4        | 16.86     | F1           | mg/Kg |   | 69   | 75 - 125     |
| Vanadium | 55.6          |                  | 24.4        | 79.18     |              | mg/Kg |   | 97   | 75 - 125     |
| Zinc     | 165           |                  | 24.4        | 184.6     | 4            | mg/Kg |   | 80   | 75 - 125     |

**Lab Sample ID: 570-60286-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 153840**

**Client Sample ID: B-1-0.5**  
**Prep Type: Total/NA**  
**Prep Batch: 153579**

| Analyte    | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Antimony   | ND            | F1               | 25.4        | ND         | F1            | mg/Kg |   | 5    | 75 - 125     | NC  | 20        |
| Arsenic    | ND            | L                | 25.4        | 24.18      |               | mg/Kg |   | 95   | 75 - 125     | 9   | 20        |
| Barium     | 145           |                  | 25.4        | 183.4      | 4             | mg/Kg |   | 150  | 75 - 125     | 8   | 20        |
| Beryllium  | 1.03          |                  | 25.4        | 26.86      |               | mg/Kg |   | 102  | 75 - 125     | 8   | 20        |
| Cadmium    | 1.27          |                  | 25.4        | 25.78      |               | mg/Kg |   | 97   | 75 - 125     | 7   | 20        |
| Chromium   | 36.1          |                  | 25.4        | 65.15      |               | mg/Kg |   | 114  | 75 - 125     | 8   | 20        |
| Cobalt     | 16.0          |                  | 25.4        | 40.63      |               | mg/Kg |   | 97   | 75 - 125     | 7   | 20        |
| Copper     | 84.7          | F1               | 25.4        | 69.12      | F1            | mg/Kg |   | -61  | 75 - 125     | 6   | 20        |
| Lead       | 26.0          |                  | 25.4        | 51.25      |               | mg/Kg |   | 100  | 75 - 125     | 7   | 20        |
| Molybdenum | ND            | L                | 25.4        | 23.91      |               | mg/Kg |   | 94   | 75 - 125     | 9   | 20        |
| Nickel     | 22.7          |                  | 25.4        | 48.76      |               | mg/Kg |   | 103  | 75 - 125     | 7   | 20        |
| Selenium   | ND            | F1               | 25.4        | 14.71      | F1            | mg/Kg |   | 58   | 75 - 125     | 7   | 20        |
| Silver     | ND            |                  | 12.7        | 12.21      |               | mg/Kg |   | 96   | 75 - 125     | 8   | 20        |
| Thallium   | ND            | F1               | 25.4        | 19.43      |               | mg/Kg |   | 77   | 75 - 125     | 14  | 20        |
| Vanadium   | 55.6          |                  | 25.4        | 85.85      |               | mg/Kg |   | 119  | 75 - 125     | 8   | 20        |
| Zinc       | 165           |                  | 25.4        | 198.3      | 4             | mg/Kg |   | 131  | 75 - 125     | 7   | 20        |

## Method: 7471A - Mercury (CVAA)

**Lab Sample ID: MB 570-153582/1-A**  
**Matrix: Solid**  
**Analysis Batch: 153599**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 153582**

| Analyte | MB Result | MB Qualifier | RL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------|-----------|--------------|--------|-------|---|----------------|----------------|---------|
| Mercury | ND        |              | 0.0794 | mg/Kg |   | 05/27/21 15:00 | 05/27/21 16:53 | 1       |

**Lab Sample ID: LCS 570-153582/2-A**  
**Matrix: Solid**  
**Analysis Batch: 153599**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 153582**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec. Limits |
|---------|-------------|------------|---------------|-------|---|------|--------------|
| Mercury | 0.820       | 0.9135     |               | mg/Kg |   | 111  | 85 - 121     |

**Lab Sample ID: LCSD 570-153582/3-A**  
**Matrix: Solid**  
**Analysis Batch: 153599**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 153582**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Mercury | 0.877       | 0.9772      |                | mg/Kg |   | 111  | 85 - 121     | 7   | 10        |

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# QC Sample Results

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Method: 7471A - Mercury (CVAA) (Continued)

**Lab Sample ID: 570-60286-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 153599**

**Client Sample ID: B-1-0.5**  
**Prep Type: Total/NA**  
**Prep Batch: 153582**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | Limits   |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|----------|
| Mercury | ND            |                  | 0.833       | 0.8722    |              | mg/Kg |   | 101  | 71 - 137 |

**Lab Sample ID: 570-60286-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 153599**

**Client Sample ID: B-1-0.5**  
**Prep Type: Total/NA**  
**Prep Batch: 153582**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
|---------|---------------|------------------|-------------|------------|---------------|-------|---|------|----------|-----|-------|
| Mercury | ND            |                  | 0.820       | 0.9023     |               | mg/Kg |   | 107  | 71 - 137 | 3   | 14    |

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# QC Association Summary

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## GC/MS VOA

### Analysis Batch: 153563

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 570-60286-1         | B-1-0.5                | Total/NA  | Solid  | 8260B  | 153618     |
| 570-60286-2         | B-1-2                  | Total/NA  | Solid  | 8260B  | 153618     |
| 570-60286-3         | B-2-0.5                | Total/NA  | Solid  | 8260B  | 153618     |
| 570-60286-4         | B-2-2                  | Total/NA  | Solid  | 8260B  | 153618     |
| 570-60286-5         | B-3-0.5                | Total/NA  | Solid  | 8260B  | 153618     |
| 570-60286-6         | B-3-2                  | Total/NA  | Solid  | 8260B  | 153618     |
| 570-60286-7         | B-4-0.5                | Total/NA  | Solid  | 8260B  | 153618     |
| 570-60286-8         | B-4-2                  | Total/NA  | Solid  | 8260B  | 153618     |
| MB 570-153618/3-A   | Method Blank           | Total/NA  | Solid  | 8260B  | 153618     |
| LCS 570-153618/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8260B  | 153618     |
| LCSD 570-153618/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8260B  | 153618     |
| 570-60286-8 MS      | B-4-2                  | Total/NA  | Solid  | 8260B  | 153618     |
| 570-60286-8 MSD     | B-4-2                  | Total/NA  | Solid  | 8260B  | 153618     |

### Prep Batch: 153618

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 570-60286-1         | B-1-0.5                | Total/NA  | Solid  | 5030C  |            |
| 570-60286-2         | B-1-2                  | Total/NA  | Solid  | 5030C  |            |
| 570-60286-3         | B-2-0.5                | Total/NA  | Solid  | 5030C  |            |
| 570-60286-4         | B-2-2                  | Total/NA  | Solid  | 5030C  |            |
| 570-60286-5         | B-3-0.5                | Total/NA  | Solid  | 5030C  |            |
| 570-60286-6         | B-3-2                  | Total/NA  | Solid  | 5030C  |            |
| 570-60286-7         | B-4-0.5                | Total/NA  | Solid  | 5030C  |            |
| 570-60286-8         | B-4-2                  | Total/NA  | Solid  | 5030C  |            |
| MB 570-153618/3-A   | Method Blank           | Total/NA  | Solid  | 5030C  |            |
| LCS 570-153618/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5030C  |            |
| LCSD 570-153618/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5030C  |            |
| 570-60286-8 MS      | B-4-2                  | Total/NA  | Solid  | 5030C  |            |
| 570-60286-8 MSD     | B-4-2                  | Total/NA  | Solid  | 5030C  |            |

## GC VOA

### Analysis Batch: 153498

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 570-60286-1         | B-1-0.5                | Total/NA  | Solid  | 8015B  | 153548     |
| 570-60286-2         | B-1-2                  | Total/NA  | Solid  | 8015B  | 153548     |
| 570-60286-3         | B-2-0.5                | Total/NA  | Solid  | 8015B  | 153548     |
| 570-60286-4         | B-2-2                  | Total/NA  | Solid  | 8015B  | 153548     |
| 570-60286-5         | B-3-0.5                | Total/NA  | Solid  | 8015B  | 153548     |
| 570-60286-6         | B-3-2                  | Total/NA  | Solid  | 8015B  | 153548     |
| 570-60286-7         | B-4-0.5                | Total/NA  | Solid  | 8015B  | 153548     |
| 570-60286-8         | B-4-2                  | Total/NA  | Solid  | 8015B  | 153548     |
| MB 570-153548/3-A   | Method Blank           | Total/NA  | Solid  | 8015B  | 153548     |
| LCS 570-153548/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B  | 153548     |
| LCSD 570-153548/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B  | 153548     |

### Prep Batch: 153548

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 570-60286-1   | B-1-0.5          | Total/NA  | Solid  | 5030C  |            |
| 570-60286-2   | B-1-2            | Total/NA  | Solid  | 5030C  |            |
| 570-60286-3   | B-2-0.5          | Total/NA  | Solid  | 5030C  |            |

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# QC Association Summary

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## GC VOA (Continued)

### Prep Batch: 153548 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 570-60286-4         | B-2-2                  | Total/NA  | Solid  | 5030C  |            |
| 570-60286-5         | B-3-0.5                | Total/NA  | Solid  | 5030C  |            |
| 570-60286-6         | B-3-2                  | Total/NA  | Solid  | 5030C  |            |
| 570-60286-7         | B-4-0.5                | Total/NA  | Solid  | 5030C  |            |
| 570-60286-8         | B-4-2                  | Total/NA  | Solid  | 5030C  |            |
| MB 570-153548/3-A   | Method Blank           | Total/NA  | Solid  | 5030C  |            |
| LCS 570-153548/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5030C  |            |
| LCSD 570-153548/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5030C  |            |

## GC Semi VOA

### Prep Batch: 153452

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 570-60286-9         | B-5-0.5                | Total/NA  | Solid  | 3546   |            |
| 570-60286-10        | B-5-2                  | Total/NA  | Solid  | 3546   |            |
| 570-60286-11        | B-6-0.5                | Total/NA  | Solid  | 3546   |            |
| 570-60286-12        | B-6-2                  | Total/NA  | Solid  | 3546   |            |
| 570-60286-13        | B-7-0.5                | Total/NA  | Solid  | 3546   |            |
| 570-60286-14        | B-7-2                  | Total/NA  | Solid  | 3546   |            |
| 570-60286-15        | B-8-0.5                | Total/NA  | Solid  | 3546   |            |
| 570-60286-16        | B-8-2                  | Total/NA  | Solid  | 3546   |            |
| MB 570-153452/1-A   | Method Blank           | Total/NA  | Solid  | 3546   |            |
| LCS 570-153452/2-A  | Lab Control Sample     | Total/NA  | Solid  | 3546   |            |
| LCSD 570-153452/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 3546   |            |

### Prep Batch: 153571

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 570-60286-1         | B-1-0.5                | Total/NA  | Solid  | 3550C  |            |
| 570-60286-2         | B-1-2                  | Total/NA  | Solid  | 3550C  |            |
| 570-60286-3         | B-2-0.5                | Total/NA  | Solid  | 3550C  |            |
| 570-60286-4         | B-2-2                  | Total/NA  | Solid  | 3550C  |            |
| 570-60286-5         | B-3-0.5                | Total/NA  | Solid  | 3550C  |            |
| 570-60286-6         | B-3-2                  | Total/NA  | Solid  | 3550C  |            |
| 570-60286-7         | B-4-0.5                | Total/NA  | Solid  | 3550C  |            |
| 570-60286-8         | B-4-2                  | Total/NA  | Solid  | 3550C  |            |
| MB 570-153571/1-A   | Method Blank           | Total/NA  | Solid  | 3550C  |            |
| LCS 570-153571/2-A  | Lab Control Sample     | Total/NA  | Solid  | 3550C  |            |
| LCSD 570-153571/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 3550C  |            |

### Analysis Batch: 153636

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 570-60286-1        | B-1-0.5            | Total/NA  | Solid  | 8015B  | 153571     |
| 570-60286-2        | B-1-2              | Total/NA  | Solid  | 8015B  | 153571     |
| 570-60286-3        | B-2-0.5            | Total/NA  | Solid  | 8015B  | 153571     |
| 570-60286-4        | B-2-2              | Total/NA  | Solid  | 8015B  | 153571     |
| 570-60286-5        | B-3-0.5            | Total/NA  | Solid  | 8015B  | 153571     |
| 570-60286-6        | B-3-2              | Total/NA  | Solid  | 8015B  | 153571     |
| 570-60286-7        | B-4-0.5            | Total/NA  | Solid  | 8015B  | 153571     |
| 570-60286-8        | B-4-2              | Total/NA  | Solid  | 8015B  | 153571     |
| MB 570-153571/1-A  | Method Blank       | Total/NA  | Solid  | 8015B  | 153571     |
| LCS 570-153571/2-A | Lab Control Sample | Total/NA  | Solid  | 8015B  | 153571     |

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# QC Association Summary

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## GC Semi VOA (Continued)

### Analysis Batch: 153636 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| LCSD 570-153571/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B  | 153571     |

### Analysis Batch: 153662

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 570-60286-9         | B-5-0.5                | Total/NA  | Solid  | 8081A  | 153452     |
| 570-60286-10        | B-5-2                  | Total/NA  | Solid  | 8081A  | 153452     |
| MB 570-153452/1-A   | Method Blank           | Total/NA  | Solid  | 8081A  | 153452     |
| LCS 570-153452/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8081A  | 153452     |
| LCSD 570-153452/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8081A  | 153452     |

### Analysis Batch: 153741

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 570-60286-11  | B-6-0.5          | Total/NA  | Solid  | 8081A  | 153452     |
| 570-60286-12  | B-6-2            | Total/NA  | Solid  | 8081A  | 153452     |
| 570-60286-13  | B-7-0.5          | Total/NA  | Solid  | 8081A  | 153452     |
| 570-60286-14  | B-7-2            | Total/NA  | Solid  | 8081A  | 153452     |
| 570-60286-15  | B-8-0.5          | Total/NA  | Solid  | 8081A  | 153452     |
| 570-60286-16  | B-8-2            | Total/NA  | Solid  | 8081A  | 153452     |

## Metals

### Prep Batch: 153579

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 570-60286-1         | B-1-0.5                | Total/NA  | Solid  | 3050B  |            |
| 570-60286-2         | B-1-2                  | Total/NA  | Solid  | 3050B  |            |
| 570-60286-3         | B-2-0.5                | Total/NA  | Solid  | 3050B  |            |
| 570-60286-4         | B-2-2                  | Total/NA  | Solid  | 3050B  |            |
| 570-60286-5         | B-3-0.5                | Total/NA  | Solid  | 3050B  |            |
| 570-60286-6         | B-3-2                  | Total/NA  | Solid  | 3050B  |            |
| 570-60286-7         | B-4-0.5                | Total/NA  | Solid  | 3050B  |            |
| 570-60286-8         | B-4-2                  | Total/NA  | Solid  | 3050B  |            |
| 570-60286-9         | B-5-0.5                | Total/NA  | Solid  | 3050B  |            |
| 570-60286-10        | B-5-2                  | Total/NA  | Solid  | 3050B  |            |
| 570-60286-11        | B-6-0.5                | Total/NA  | Solid  | 3050B  |            |
| 570-60286-12        | B-6-2                  | Total/NA  | Solid  | 3050B  |            |
| 570-60286-13        | B-7-0.5                | Total/NA  | Solid  | 3050B  |            |
| 570-60286-14        | B-7-2                  | Total/NA  | Solid  | 3050B  |            |
| 570-60286-15        | B-8-0.5                | Total/NA  | Solid  | 3050B  |            |
| 570-60286-16        | B-8-2                  | Total/NA  | Solid  | 3050B  |            |
| MB 570-153579/1-A   | Method Blank           | Total/NA  | Solid  | 3050B  |            |
| LCS 570-153579/2-A  | Lab Control Sample     | Total/NA  | Solid  | 3050B  |            |
| LCSD 570-153579/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 3050B  |            |
| 570-60286-1 MS      | B-1-0.5                | Total/NA  | Solid  | 3050B  |            |
| 570-60286-1 MSD     | B-1-0.5                | Total/NA  | Solid  | 3050B  |            |

### Prep Batch: 153582

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 570-60286-1   | B-1-0.5          | Total/NA  | Solid  | 7471A  |            |
| 570-60286-2   | B-1-2            | Total/NA  | Solid  | 7471A  |            |
| 570-60286-3   | B-2-0.5          | Total/NA  | Solid  | 7471A  |            |
| 570-60286-4   | B-2-2            | Total/NA  | Solid  | 7471A  |            |

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# QC Association Summary

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Metals (Continued)

### Prep Batch: 153582 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 570-60286-5        | B-3-0.5                | Total/NA  | Solid  | 7471A  |            |
| 570-60286-6        | B-3-2                  | Total/NA  | Solid  | 7471A  |            |
| 570-60286-7        | B-4-0.5                | Total/NA  | Solid  | 7471A  |            |
| 570-60286-8        | B-4-2                  | Total/NA  | Solid  | 7471A  |            |
| 570-60286-9        | B-5-0.5                | Total/NA  | Solid  | 7471A  |            |
| 570-60286-10       | B-5-2                  | Total/NA  | Solid  | 7471A  |            |
| 570-60286-11       | B-6-0.5                | Total/NA  | Solid  | 7471A  |            |
| 570-60286-12       | B-6-2                  | Total/NA  | Solid  | 7471A  |            |
| 570-60286-13       | B-7-0.5                | Total/NA  | Solid  | 7471A  |            |
| 570-60286-14       | B-7-2                  | Total/NA  | Solid  | 7471A  |            |
| 570-60286-15       | B-8-0.5                | Total/NA  | Solid  | 7471A  |            |
| 570-60286-16       | B-8-2                  | Total/NA  | Solid  | 7471A  |            |
| MB 570-153582/1-A  | Method Blank           | Total/NA  | Solid  | 7471A  |            |
| LCS 570-153582/2-A | Lab Control Sample     | Total/NA  | Solid  | 7471A  |            |
| LCS 570-153582/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 7471A  |            |
| 570-60286-1 MS     | B-1-0.5                | Total/NA  | Solid  | 7471A  |            |
| 570-60286-1 MSD    | B-1-0.5                | Total/NA  | Solid  | 7471A  |            |

### Analysis Batch: 153599

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 570-60286-1        | B-1-0.5                | Total/NA  | Solid  | 7471A  | 153582     |
| 570-60286-2        | B-1-2                  | Total/NA  | Solid  | 7471A  | 153582     |
| 570-60286-3        | B-2-0.5                | Total/NA  | Solid  | 7471A  | 153582     |
| 570-60286-4        | B-2-2                  | Total/NA  | Solid  | 7471A  | 153582     |
| 570-60286-5        | B-3-0.5                | Total/NA  | Solid  | 7471A  | 153582     |
| 570-60286-6        | B-3-2                  | Total/NA  | Solid  | 7471A  | 153582     |
| 570-60286-7        | B-4-0.5                | Total/NA  | Solid  | 7471A  | 153582     |
| 570-60286-8        | B-4-2                  | Total/NA  | Solid  | 7471A  | 153582     |
| 570-60286-9        | B-5-0.5                | Total/NA  | Solid  | 7471A  | 153582     |
| 570-60286-10       | B-5-2                  | Total/NA  | Solid  | 7471A  | 153582     |
| 570-60286-11       | B-6-0.5                | Total/NA  | Solid  | 7471A  | 153582     |
| 570-60286-12       | B-6-2                  | Total/NA  | Solid  | 7471A  | 153582     |
| 570-60286-13       | B-7-0.5                | Total/NA  | Solid  | 7471A  | 153582     |
| 570-60286-14       | B-7-2                  | Total/NA  | Solid  | 7471A  | 153582     |
| 570-60286-15       | B-8-0.5                | Total/NA  | Solid  | 7471A  | 153582     |
| 570-60286-16       | B-8-2                  | Total/NA  | Solid  | 7471A  | 153582     |
| MB 570-153582/1-A  | Method Blank           | Total/NA  | Solid  | 7471A  | 153582     |
| LCS 570-153582/2-A | Lab Control Sample     | Total/NA  | Solid  | 7471A  | 153582     |
| LCS 570-153582/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 7471A  | 153582     |
| 570-60286-1 MS     | B-1-0.5                | Total/NA  | Solid  | 7471A  | 153582     |
| 570-60286-1 MSD    | B-1-0.5                | Total/NA  | Solid  | 7471A  | 153582     |

### Analysis Batch: 153840

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 570-60286-1   | B-1-0.5          | Total/NA  | Solid  | 6010B  | 153579     |
| 570-60286-2   | B-1-2            | Total/NA  | Solid  | 6010B  | 153579     |
| 570-60286-3   | B-2-0.5          | Total/NA  | Solid  | 6010B  | 153579     |
| 570-60286-4   | B-2-2            | Total/NA  | Solid  | 6010B  | 153579     |
| 570-60286-5   | B-3-0.5          | Total/NA  | Solid  | 6010B  | 153579     |
| 570-60286-6   | B-3-2            | Total/NA  | Solid  | 6010B  | 153579     |
| 570-60286-7   | B-4-0.5          | Total/NA  | Solid  | 6010B  | 153579     |

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# QC Association Summary

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Metals (Continued)

### Analysis Batch: 153840 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 570-60286-8         | B-4-2                  | Total/NA  | Solid  | 6010B  | 153579     |
| 570-60286-9         | B-5-0.5                | Total/NA  | Solid  | 6010B  | 153579     |
| 570-60286-10        | B-5-2                  | Total/NA  | Solid  | 6010B  | 153579     |
| 570-60286-11        | B-6-0.5                | Total/NA  | Solid  | 6010B  | 153579     |
| 570-60286-12        | B-6-2                  | Total/NA  | Solid  | 6010B  | 153579     |
| 570-60286-13        | B-7-0.5                | Total/NA  | Solid  | 6010B  | 153579     |
| 570-60286-14        | B-7-2                  | Total/NA  | Solid  | 6010B  | 153579     |
| 570-60286-15        | B-8-0.5                | Total/NA  | Solid  | 6010B  | 153579     |
| 570-60286-16        | B-8-2                  | Total/NA  | Solid  | 6010B  | 153579     |
| MB 570-153579/1-A   | Method Blank           | Total/NA  | Solid  | 6010B  | 153579     |
| LCS 570-153579/2-A  | Lab Control Sample     | Total/NA  | Solid  | 6010B  | 153579     |
| LCSD 570-153579/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 6010B  | 153579     |
| 570-60286-1 MS      | B-1-0.5                | Total/NA  | Solid  | 6010B  | 153579     |
| 570-60286-1 MSD     | B-1-0.5                | Total/NA  | Solid  | 6010B  | 153579     |

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# Lab Chronicle

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

**Client Sample ID: B-1-0.5**  
**Date Collected: 05/27/21 08:40**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-1**  
**Matrix: Solid**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Prep       | 5030C        |     |            | 4.97 g         | 5 mL         | 153618       | 05/27/21 17:22       | P4DI    | ECL 2 |
| Total/NA              | Analysis   | 8260B        |     | 1          | 5 mL           | 5 mL         | 153563       | 05/28/21 02:41       | A1W     | ECL 2 |
| Instrument ID: GCMSCC |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 5030C        |     |            | 5.07 g         | 5 mL         | 153548       | 05/27/21 17:58       | A9VE    | ECL 2 |
| Total/NA              | Analysis   | 8015B        |     | 1          | 5 g            | 5 mL         | 153498       | 05/27/21 18:44       | P1R     | ECL 2 |
| Instrument ID: GC22   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3550C        |     |            | 9.84 g         | 10.00 mL     | 153571       | 05/27/21 13:55       | EM5C    | ECL 1 |
| Total/NA              | Analysis   | 8015B        |     | 1          |                |              | 153636       | 05/28/21 09:03       | N5Y3    | ECL 1 |
| Instrument ID: GC45   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3050B        |     |            | 2.03 g         | 100 mL       | 153579       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA              | Analysis   | 6010B        |     | 1          |                |              | 153840       | 05/28/21 13:47       | ULPF    | ECL 1 |
| Instrument ID: ICP8   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 7471A        |     |            | 0.63 g         | 100 mL       | 153582       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA              | Analysis   | 7471A        |     | 1          |                |              | 153599       | 05/27/21 16:59       | UWCT    | ECL 1 |
| Instrument ID: HG8    |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: B-1-2**  
**Date Collected: 05/27/21 08:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-2**  
**Matrix: Solid**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Prep       | 5030C        |     |            | 4.86 g         | 5 mL         | 153618       | 05/27/21 17:22       | P4DI    | ECL 2 |
| Total/NA              | Analysis   | 8260B        |     | 1          | 5 mL           | 5 mL         | 153563       | 05/28/21 03:08       | A1W     | ECL 2 |
| Instrument ID: GCMSCC |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 5030C        |     |            | 5.07 g         | 5 mL         | 153548       | 05/27/21 17:58       | A9VE    | ECL 2 |
| Total/NA              | Analysis   | 8015B        |     | 1          | 5 g            | 5 mL         | 153498       | 05/27/21 19:08       | P1R     | ECL 2 |
| Instrument ID: GC22   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3550C        |     |            | 9.99 g         | 10.00 mL     | 153571       | 05/27/21 13:55       | EM5C    | ECL 1 |
| Total/NA              | Analysis   | 8015B        |     | 1          |                |              | 153636       | 05/28/21 09:24       | N5Y3    | ECL 1 |
| Instrument ID: GC45   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3050B        |     |            | 2.00 g         | 100 mL       | 153579       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA              | Analysis   | 6010B        |     | 1          |                |              | 153840       | 05/28/21 13:54       | ULPF    | ECL 1 |
| Instrument ID: ICP8   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 7471A        |     |            | 0.58 g         | 100 mL       | 153582       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA              | Analysis   | 7471A        |     | 1          |                |              | 153599       | 05/27/21 17:04       | UWCT    | ECL 1 |
| Instrument ID: HG8    |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: B-2-0.5**  
**Date Collected: 05/27/21 09:05**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-3**  
**Matrix: Solid**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Prep       | 5030C        |     |            | 4.97 g         | 5 mL         | 153618       | 05/27/21 17:22       | P4DI    | ECL 2 |
| Total/NA              | Analysis   | 8260B        |     | 1          | 5 mL           | 5 mL         | 153563       | 05/28/21 03:35       | A1W     | ECL 2 |
| Instrument ID: GCMSCC |            |              |     |            |                |              |              |                      |         |       |

# Lab Chronicle

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

**Client Sample ID: B-2-0.5**

**Lab Sample ID: 570-60286-3**

**Date Collected: 05/27/21 09:05**

**Matrix: Solid**

**Date Received: 05/27/21 13:45**

| Prep Type           | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|---------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA            | Prep       | 5030C        |     |            | 5.04 g         | 5 mL         | 153548       | 05/27/21 17:58       | A9VE    | ECL 2 |
| Total/NA            | Analysis   | 8015B        |     | 1          | 5 g            | 5 mL         | 153498       | 05/27/21 19:33       | P1R     | ECL 2 |
| Instrument ID: GC22 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 3550C        |     |            | 10.00 g        | 10.00 mL     | 153571       | 05/27/21 15:08       | EM5C    | ECL 1 |
| Total/NA            | Analysis   | 8015B        |     | 1          |                |              | 153636       | 05/28/21 09:44       | N5Y3    | ECL 1 |
| Instrument ID: GC45 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 3050B        |     |            | 1.98 g         | 100 mL       | 153579       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 6010B        |     | 1          |                |              | 153840       | 05/28/21 13:56       | ULPF    | ECL 1 |
| Instrument ID: ICP8 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 7471A        |     |            | 0.60 g         | 100 mL       | 153582       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 7471A        |     | 1          |                |              | 153599       | 05/27/21 17:06       | UWCT    | ECL 1 |
| Instrument ID: HG8  |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: B-2-2**

**Lab Sample ID: 570-60286-4**

**Date Collected: 05/27/21 09:15**

**Matrix: Solid**

**Date Received: 05/27/21 13:45**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Prep       | 5030C        |     |            | 4.98 g         | 5 mL         | 153618       | 05/27/21 17:22       | P4DI    | ECL 2 |
| Total/NA              | Analysis   | 8260B        |     | 1          | 5 mL           | 5 mL         | 153563       | 05/28/21 04:02       | A1W     | ECL 2 |
| Instrument ID: GCMSCC |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 5030C        |     |            | 4.96 g         | 5 mL         | 153548       | 05/27/21 17:58       | A9VE    | ECL 2 |
| Total/NA              | Analysis   | 8015B        |     | 1          | 5 g            | 5 mL         | 153498       | 05/27/21 19:57       | P1R     | ECL 2 |
| Instrument ID: GC22   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3550C        |     |            | 9.61 g         | 10.00 mL     | 153571       | 05/27/21 15:08       | EM5C    | ECL 1 |
| Total/NA              | Analysis   | 8015B        |     | 1          |                |              | 153636       | 05/28/21 10:03       | N5Y3    | ECL 1 |
| Instrument ID: GC45   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3050B        |     |            | 2.06 g         | 100 mL       | 153579       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA              | Analysis   | 6010B        |     | 1          |                |              | 153840       | 05/28/21 13:58       | ULPF    | ECL 1 |
| Instrument ID: ICP8   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 7471A        |     |            | 0.57 g         | 100 mL       | 153582       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA              | Analysis   | 7471A        |     | 1          |                |              | 153599       | 05/27/21 17:08       | UWCT    | ECL 1 |
| Instrument ID: HG8    |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: B-3-0.5**

**Lab Sample ID: 570-60286-5**

**Date Collected: 05/27/21 09:40**

**Matrix: Solid**

**Date Received: 05/27/21 13:45**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Prep       | 5030C        |     |            | 5.10 g         | 5 mL         | 153618       | 05/27/21 17:22       | P4DI    | ECL 2 |
| Total/NA              | Analysis   | 8260B        |     | 1          | 5 mL           | 5 mL         | 153563       | 05/28/21 04:30       | A1W     | ECL 2 |
| Instrument ID: GCMSCC |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 5030C        |     |            | 5.05 g         | 5 mL         | 153548       | 05/27/21 17:58       | A9VE    | ECL 2 |
| Total/NA              | Analysis   | 8015B        |     | 1          | 5 g            | 5 mL         | 153498       | 05/27/21 20:21       | P1R     | ECL 2 |
| Instrument ID: GC22   |            |              |     |            |                |              |              |                      |         |       |

Eurofins Calscience LLC



# Lab Chronicle

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Client Sample ID: B-3-0.5

Date Collected: 05/27/21 09:40

Date Received: 05/27/21 13:45

## Lab Sample ID: 570-60286-5

Matrix: Solid

| Prep Type           | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|---------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA            | Prep       | 3550C        |     |            | 10.14 g        | 10.00 mL     | 153571       | 05/27/21 15:08       | EM5C    | ECL 1 |
| Total/NA            | Analysis   | 8015B        |     | 1          |                |              | 153636       | 05/28/21 10:22       | N5Y3    | ECL 1 |
| Instrument ID: GC45 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 3050B        |     |            | 2.05 g         | 100 mL       | 153579       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 6010B        |     | 1          |                |              | 153840       | 05/28/21 14:00       | ULPF    | ECL 1 |
| Instrument ID: ICP8 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 7471A        |     |            | 0.63 g         | 100 mL       | 153582       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 7471A        |     | 1          |                |              | 153599       | 05/27/21 17:10       | UWCT    | ECL 1 |
| Instrument ID: HG8  |            |              |     |            |                |              |              |                      |         |       |

## Client Sample ID: B-3-2

Date Collected: 05/27/21 09:50

Date Received: 05/27/21 13:45

## Lab Sample ID: 570-60286-6

Matrix: Solid

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Prep       | 5030C        |     |            | 4.97 g         | 5 mL         | 153618       | 05/27/21 17:22       | P4DI    | ECL 2 |
| Total/NA              | Analysis   | 8260B        |     | 1          | 5 mL           | 5 mL         | 153563       | 05/28/21 04:57       | A1W     | ECL 2 |
| Instrument ID: GCMSCC |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 5030C        |     |            | 4.99 g         | 5 mL         | 153548       | 05/27/21 17:58       | A9VE    | ECL 2 |
| Total/NA              | Analysis   | 8015B        |     | 1          | 5 g            | 5 mL         | 153498       | 05/27/21 20:45       | P1R     | ECL 2 |
| Instrument ID: GC22   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3550C        |     |            | 9.87 g         | 10.00 mL     | 153571       | 05/27/21 15:08       | EM5C    | ECL 1 |
| Total/NA              | Analysis   | 8015B        |     | 1          |                |              | 153636       | 05/28/21 11:59       | N5Y3    | ECL 1 |
| Instrument ID: GC45   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3050B        |     |            | 1.96 g         | 100 mL       | 153579       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA              | Analysis   | 6010B        |     | 1          |                |              | 153840       | 05/28/21 14:09       | ULPF    | ECL 1 |
| Instrument ID: ICP8   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 7471A        |     |            | 0.58 g         | 100 mL       | 153582       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA              | Analysis   | 7471A        |     | 1          |                |              | 153599       | 05/27/21 17:16       | UWCT    | ECL 1 |
| Instrument ID: HG8    |            |              |     |            |                |              |              |                      |         |       |

## Client Sample ID: B-4-0.5

Date Collected: 05/27/21 10:00

Date Received: 05/27/21 13:45

## Lab Sample ID: 570-60286-7

Matrix: Solid

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Prep       | 5030C        |     |            | 5.13 g         | 5 mL         | 153618       | 05/27/21 17:22       | P4DI    | ECL 2 |
| Total/NA              | Analysis   | 8260B        |     | 1          | 5 mL           | 5 mL         | 153563       | 05/28/21 05:26       | A1W     | ECL 2 |
| Instrument ID: GCMSCC |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 5030C        |     |            | 4.97 g         | 5 mL         | 153548       | 05/27/21 17:58       | A9VE    | ECL 2 |
| Total/NA              | Analysis   | 8015B        |     | 1          | 5 g            | 5 mL         | 153498       | 05/27/21 21:09       | P1R     | ECL 2 |
| Instrument ID: GC22   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3550C        |     |            | 9.66 g         | 10.00 mL     | 153571       | 05/27/21 15:08       | EM5C    | ECL 1 |
| Total/NA              | Analysis   | 8015B        |     | 1          |                |              | 153636       | 05/28/21 11:01       | N5Y3    | ECL 1 |
| Instrument ID: GC45   |            |              |     |            |                |              |              |                      |         |       |

# Lab Chronicle

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

**Client Sample ID: B-4-0.5**  
**Date Collected: 05/27/21 10:00**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-7**  
**Matrix: Solid**

| Prep Type           | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|---------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA            | Prep       | 3050B        |     |            | 2.06 g         | 100 mL       | 153579       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 6010B        |     | 1          |                |              | 153840       | 05/28/21 14:11       | ULPF    | ECL 1 |
| Instrument ID: ICP8 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 7471A        |     |            | 0.57 g         | 100 mL       | 153582       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 7471A        |     | 1          |                |              | 153599       | 05/27/21 17:17       | UWCT    | ECL 1 |
| Instrument ID: HG8  |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: B-4-2**  
**Date Collected: 05/27/21 10:10**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-8**  
**Matrix: Solid**

| Prep Type             | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|-----------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA              | Prep       | 5030C        |     |            | 5.11 g         | 5 mL         | 153618       | 05/27/21 17:22       | P4DI    | ECL 2 |
| Total/NA              | Analysis   | 8260B        |     | 1          | 5 mL           | 5 mL         | 153563       | 05/27/21 22:07       | A1W     | ECL 2 |
| Instrument ID: GCMSCC |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 5030C        |     |            | 4.99 g         | 5 mL         | 153548       | 05/27/21 17:58       | A9VE    | ECL 2 |
| Total/NA              | Analysis   | 8015B        |     | 1          | 5 g            | 5 mL         | 153498       | 05/27/21 21:33       | P1R     | ECL 2 |
| Instrument ID: GC22   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3550C        |     |            | 9.94 g         | 10.00 mL     | 153571       | 05/27/21 15:08       | EM5C    | ECL 1 |
| Total/NA              | Analysis   | 8015B        |     | 1          |                |              | 153636       | 05/28/21 11:20       | N5Y3    | ECL 1 |
| Instrument ID: GC45   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 3050B        |     |            | 1.97 g         | 100 mL       | 153579       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA              | Analysis   | 6010B        |     | 1          |                |              | 153840       | 05/28/21 14:13       | ULPF    | ECL 1 |
| Instrument ID: ICP8   |            |              |     |            |                |              |              |                      |         |       |
| Total/NA              | Prep       | 7471A        |     |            | 0.59 g         | 100 mL       | 153582       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA              | Analysis   | 7471A        |     | 1          |                |              | 153599       | 05/27/21 17:19       | UWCT    | ECL 1 |
| Instrument ID: HG8    |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: B-5-0.5**  
**Date Collected: 05/27/21 10:50**  
**Date Received: 05/27/21 13:45**

**Lab Sample ID: 570-60286-9**  
**Matrix: Solid**

| Prep Type           | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|---------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA            | Prep       | 3546         |     |            | 20.14 g        | 10 mL        | 153452       | 05/27/21 15:02       | F7UI    | ECL 1 |
| Total/NA            | Analysis   | 8081A        |     | 1          |                |              | 153662       | 05/28/21 12:50       | UHHN    | ECL 1 |
| Instrument ID: GC44 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 3050B        |     |            | 2.04 g         | 100 mL       | 153579       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 6010B        |     | 1          |                |              | 153840       | 05/28/21 14:15       | ULPF    | ECL 1 |
| Instrument ID: ICP8 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 7471A        |     |            | 0.62 g         | 100 mL       | 153582       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 7471A        |     | 1          |                |              | 153599       | 05/27/21 17:21       | UWCT    | ECL 1 |
| Instrument ID: HG8  |            |              |     |            |                |              |              |                      |         |       |

# Lab Chronicle

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

**Client Sample ID: B-5-2**

**Lab Sample ID: 570-60286-10**

Date Collected: 05/27/21 11:00

Matrix: Solid

Date Received: 05/27/21 13:45

| Prep Type           | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|---------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA            | Prep       | 3546         |     |            | 20.11 g        | 10 mL        | 153452       | 05/27/21 15:02       | F7UI    | ECL 1 |
| Total/NA            | Analysis   | 8081A        |     | 1          |                |              | 153662       | 05/28/21 14:58       | UHNN    | ECL 1 |
| Instrument ID: GC44 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 3050B        |     |            | 1.96 g         | 100 mL       | 153579       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 6010B        |     | 1          |                |              | 153840       | 05/28/21 14:17       | ULPF    | ECL 1 |
| Instrument ID: ICP8 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 7471A        |     |            | 0.63 g         | 100 mL       | 153582       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 7471A        |     | 1          |                |              | 153599       | 05/27/21 17:23       | UWCT    | ECL 1 |
| Instrument ID: HG8  |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: B-6-0.5**

**Lab Sample ID: 570-60286-11**

Date Collected: 05/27/21 11:10

Matrix: Solid

Date Received: 05/27/21 13:45

| Prep Type           | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|---------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA            | Prep       | 3546         |     |            | 20.16 g        | 10 mL        | 153452       | 05/27/21 15:02       | F7UI    | ECL 1 |
| Total/NA            | Analysis   | 8081A        |     | 1          |                |              | 153741       | 05/28/21 11:41       | UHNN    | ECL 1 |
| Instrument ID: GC51 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 3050B        |     |            | 2.02 g         | 100 mL       | 153579       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 6010B        |     | 1          |                |              | 153840       | 05/28/21 14:19       | ULPF    | ECL 1 |
| Instrument ID: ICP8 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 7471A        |     |            | 0.57 g         | 100 mL       | 153582       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 7471A        |     | 1          |                |              | 153599       | 05/27/21 17:25       | UWCT    | ECL 1 |
| Instrument ID: HG8  |            |              |     |            |                |              |              |                      |         |       |

**Client Sample ID: B-6-2**

**Lab Sample ID: 570-60286-12**

Date Collected: 05/27/21 11:15

Matrix: Solid

Date Received: 05/27/21 13:45

| Prep Type           | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|---------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA            | Prep       | 3546         |     |            | 20.12 g        | 10 mL        | 153452       | 05/27/21 15:02       | F7UI    | ECL 1 |
| Total/NA            | Analysis   | 8081A        |     | 1          |                |              | 153741       | 05/28/21 11:55       | UHNN    | ECL 1 |
| Instrument ID: GC51 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 3050B        |     |            | 2.02 g         | 100 mL       | 153579       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 6010B        |     | 1          |                |              | 153840       | 05/28/21 14:21       | ULPF    | ECL 1 |
| Instrument ID: ICP8 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 7471A        |     |            | 0.61 g         | 100 mL       | 153582       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 7471A        |     | 1          |                |              | 153599       | 05/27/21 17:27       | UWCT    | ECL 1 |
| Instrument ID: HG8  |            |              |     |            |                |              |              |                      |         |       |

# Lab Chronicle

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Client Sample ID: B-7-0.5

Date Collected: 05/27/21 11:25

Date Received: 05/27/21 13:45

## Lab Sample ID: 570-60286-13

Matrix: Solid

| Prep Type           | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|---------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA            | Prep       | 3546         |     |            | 20.18 g        | 10 mL        | 153452       | 05/27/21 15:02       | F7UI    | ECL 1 |
| Total/NA            | Analysis   | 8081A        |     | 1          |                |              | 153741       | 05/28/21 12:09       | UHNN    | ECL 1 |
| Instrument ID: GC51 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 3050B        |     |            | 1.95 g         | 100 mL       | 153579       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 6010B        |     | 1          |                |              | 153840       | 05/28/21 14:23       | ULPF    | ECL 1 |
| Instrument ID: ICP8 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 7471A        |     |            | 0.59 g         | 100 mL       | 153582       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 7471A        |     | 1          |                |              | 153599       | 05/27/21 17:29       | UWCT    | ECL 1 |
| Instrument ID: HG8  |            |              |     |            |                |              |              |                      |         |       |

## Client Sample ID: B-7-2

Date Collected: 05/27/21 11:35

Date Received: 05/27/21 13:45

## Lab Sample ID: 570-60286-14

Matrix: Solid

| Prep Type           | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|---------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA            | Prep       | 3546         |     |            | 20.15 g        | 10 mL        | 153452       | 05/27/21 15:02       | F7UI    | ECL 1 |
| Total/NA            | Analysis   | 8081A        |     | 1          |                |              | 153741       | 05/28/21 12:24       | UHNN    | ECL 1 |
| Instrument ID: GC51 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 3050B        |     |            | 2.00 g         | 100 mL       | 153579       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 6010B        |     | 1          |                |              | 153840       | 05/28/21 14:25       | ULPF    | ECL 1 |
| Instrument ID: ICP8 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 7471A        |     |            | 0.58 g         | 100 mL       | 153582       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 7471A        |     | 1          |                |              | 153599       | 05/27/21 17:31       | UWCT    | ECL 1 |
| Instrument ID: HG8  |            |              |     |            |                |              |              |                      |         |       |

## Client Sample ID: B-8-0.5

Date Collected: 05/27/21 11:45

Date Received: 05/27/21 13:45

## Lab Sample ID: 570-60286-15

Matrix: Solid

| Prep Type           | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|---------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA            | Prep       | 3546         |     |            | 20.12 g        | 10 mL        | 153452       | 05/27/21 15:02       | F7UI    | ECL 1 |
| Total/NA            | Analysis   | 8081A        |     | 1          |                |              | 153741       | 05/28/21 12:38       | UHNN    | ECL 1 |
| Instrument ID: GC51 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 3050B        |     |            | 1.93 g         | 100 mL       | 153579       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 6010B        |     | 1          |                |              | 153840       | 05/28/21 14:27       | ULPF    | ECL 1 |
| Instrument ID: ICP8 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 7471A        |     |            | 0.61 g         | 100 mL       | 153582       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 7471A        |     | 1          |                |              | 153599       | 05/27/21 17:33       | UWCT    | ECL 1 |
| Instrument ID: HG8  |            |              |     |            |                |              |              |                      |         |       |

# Lab Chronicle

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

**Client Sample ID: B-8-2**

**Lab Sample ID: 570-60286-16**

**Date Collected: 05/27/21 11:55**

**Matrix: Solid**

**Date Received: 05/27/21 13:45**

| Prep Type           | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab   |
|---------------------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|-------|
| Total/NA            | Prep       | 3546         |     |            | 20.10 g        | 10 mL        | 153452       | 05/27/21 15:02       | F7UI    | ECL 1 |
| Total/NA            | Analysis   | 8081A        |     | 1          |                |              | 153741       | 05/28/21 12:52       | UHNN    | ECL 1 |
| Instrument ID: GC51 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 3050B        |     |            | 2.05 g         | 100 mL       | 153579       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 6010B        |     | 1          |                |              | 153840       | 05/28/21 14:36       | ULPF    | ECL 1 |
| Instrument ID: ICP8 |            |              |     |            |                |              |              |                      |         |       |
| Total/NA            | Prep       | 7471A        |     |            | 0.61 g         | 100 mL       | 153582       | 05/27/21 15:00       | SP7J    | ECL 1 |
| Total/NA            | Analysis   | 7471A        |     | 1          |                |              | 153599       | 05/27/21 17:38       | UWCT    | ECL 1 |
| Instrument ID: HG8  |            |              |     |            |                |              |              |                      |         |       |

**Laboratory References:**

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

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# Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

## Laboratory: Eurofins Calscience LLC

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

| Authority  | Program | Identification Number | Expiration Date |
|------------|---------|-----------------------|-----------------|
| California | State   | 2944                  | 09-30-21        |
| Oregon     | NELAP   | CA300001              | 01-30-22        |

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# Method Summary

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

| Method | Method Description                 | Protocol | Laboratory |
|--------|------------------------------------|----------|------------|
| 8260B  | Volatile Organic Compounds (GC/MS) | SW846    | ECL 2      |
| 8015B  | Gasoline Range Organics - (GC)     | SW846    | ECL 2      |
| 8015B  | Diesel Range Organics (DRO) (GC)   | SW846    | ECL 1      |
| 8081A  | Organochlorine Pesticides (GC)     | SW846    | ECL 1      |
| 6010B  | Metals (ICP)                       | SW846    | ECL 1      |
| 7471A  | Mercury (CVAA)                     | SW846    | ECL 1      |
| 3050B  | Preparation, Metals                | SW846    | ECL 1      |
| 3546   | Microwave Extraction               | SW846    | ECL 1      |
| 3550C  | Ultrasonic Extraction              | SW846    | ECL 1      |
| 5030C  | Purge and Trap                     | SW846    | ECL 2      |
| 7471A  | Preparation, Mercury               | SW846    | ECL 1      |

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

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# Sample Summary

Client: Geosyntec Consultants, Inc.  
Project/Site: GWS8

Job ID: 570-60286-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 570-60286-1   | B-1-0.5          | Solid  | 05/27/21 08:40 | 05/27/21 13:45 |          |
| 570-60286-2   | B-1-2            | Solid  | 05/27/21 08:50 | 05/27/21 13:45 |          |
| 570-60286-3   | B-2-0.5          | Solid  | 05/27/21 09:05 | 05/27/21 13:45 |          |
| 570-60286-4   | B-2-2            | Solid  | 05/27/21 09:15 | 05/27/21 13:45 |          |
| 570-60286-5   | B-3-0.5          | Solid  | 05/27/21 09:40 | 05/27/21 13:45 |          |
| 570-60286-6   | B-3-2            | Solid  | 05/27/21 09:50 | 05/27/21 13:45 |          |
| 570-60286-7   | B-4-0.5          | Solid  | 05/27/21 10:00 | 05/27/21 13:45 |          |
| 570-60286-8   | B-4-2            | Solid  | 05/27/21 10:10 | 05/27/21 13:45 |          |
| 570-60286-9   | B-5-0.5          | Solid  | 05/27/21 10:50 | 05/27/21 13:45 |          |
| 570-60286-10  | B-5-2            | Solid  | 05/27/21 11:00 | 05/27/21 13:45 |          |
| 570-60286-11  | B-6-0.5          | Solid  | 05/27/21 11:10 | 05/27/21 13:45 |          |
| 570-60286-12  | B-6-2            | Solid  | 05/27/21 11:15 | 05/27/21 13:45 |          |
| 570-60286-13  | B-7-0.5          | Solid  | 05/27/21 11:25 | 05/27/21 13:45 |          |
| 570-60286-14  | B-7-2            | Solid  | 05/27/21 11:35 | 05/27/21 13:45 |          |
| 570-60286-15  | B-8-0.5          | Solid  | 05/27/21 11:45 | 05/27/21 13:45 |          |
| 570-60286-16  | B-8-2            | Solid  | 05/27/21 11:55 | 05/27/21 13:45 |          |

DRAFT

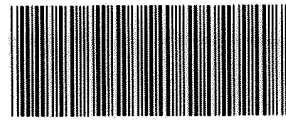
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60286



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570-60286 Chain of Custody

CHAIN OF CUSTODY RECORD

: 5/27/21

: 1 OF 2

LABORATORY CLIENT: Geosyntec Consultants

ADDRESS: \_\_\_\_\_

CITY: San Diego STATE: CA ZIP: \_\_\_\_\_

TEL: \_\_\_\_\_ E-MAIL: bpierce@geosyntec.com  
dkapalla@geosyntec.com

PROJECT CONTACT: GWSB  
Brian Pierce

PO NO: \_\_\_\_\_

SAMPLER(S): (PRINT)  
Klynt Oler  
Derrick Kapalla

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD

COELT EDF

GLOBAL ID: \_\_\_\_\_ LOG CODE: \_\_\_\_\_

SPECIAL INSTRUCTIONS

\* 24 hr TAT

REQUESTED ANALYSES

Please check box or fill in blank as needed

| LAB USE ONLY | SAMPLE ID | SAMPLING DATE | SAMPLING TIME | MATRIX | NO. OF CONT. | Unpreserved | Preserved | Field Filtered | TPH(g) <input type="checkbox"/> GRO | TPH(l) <input type="checkbox"/> DRO | TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44 | TPH | BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/> | VOCs (8260) | Oxygenates (8260) | Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core | SVOCs (8270) | Pesticides (8081) <u>OCPs</u> | PCBs (8082) | PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM | T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X | Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218 6 |
|--------------|-----------|---------------|---------------|--------|--------------|-------------|-----------|----------------|-------------------------------------|-------------------------------------|---|-----|--|-------------|-------------------|--|--------------|-------------------------------|-------------|--|--|---|
| 1            | B-1-0.5   | 5/27/21       | 0840          | Soil   | 1            | X           |           |                | X                                   | X                                   |   |     |  | X           | X                 |  |              |                               |             |  | X  |   |
| 2            | B-1-2     | 5/27/21       | 0850          |        |              | X           |           |                | X                                   | X                                   |   |     |  | X           | X                 |  |              |                               |             |  | X  |   |
| 3            | B-2-0.5   | 5/27/21       | 0905          |        |              | X           |           |                | X                                   | X                                   |   |     |  | X           | X                 |  |              |                               |             |  | X  |   |
| 4            | B-2-2     | 5/27/21       | 0915          |        |              | X           |           |                | X                                   | X                                   |   |     |  | X           | X                 |  |              |                               |             |  | X  |   |
| 5            | B-3-0.5   | 5/27/21       | 0940          |        |              | X           |           |                | X                                   | X                                   |   |     |  | X           | X                 |  |              |                               |             |  | X  |   |
| 6            | B-3-2     | 5/27/21       | 0950          |        |              | X           |           |                | X                                   | X                                   |   |     |  | X           | X                 |  |              |                               |             |  | X  |   |
| 7            | B-4-0.5   | 5/27/21       | 1000          |        |              | X           |           |                | X                                   | X                                   |   |     |  | X           | X                 |  |              |                               |             |  | X  |   |
| 8            | B-4-2     | 5/27/21       | 1010          |        |              | X           |           |                | X                                   | X                                   |   |     |  | X           | X                 |  |              |                               |             |  | X  |   |
| 9            | B-5-0.5   | 5/27/21       | 1050          |        |              | X           |           |                |                                     |                                     |   |     |  |             |                   |  |              | X                             |             |  | X  |   |
| 10           | B-5-2     | 5/27/21       | 1100          |        |              | X           |           |                |                                     |                                     |   |     |  |             |                   |  |              | X                             |             |  | X  |   |

|   |   |                      |                   |
|---|---|----------------------|-------------------|
| Relinquished by: (Signature) <u>[Signature]</u> | Received by: (Signature/Affiliation) <u>[Signature] ECI</u> | Date: <u>5/27/21</u> | Time: <u>1345</u> |
| Relinquished by: (Signature)                    | Received by: (Signature/Affiliation)                        | Date:                | Time:             |
| Relinquished by: (Signature)                    | Received by: (Signature/Affiliation)                        | Date:                | Time:             |





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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY

DATE: 5/27/21  
PAGE: 2 OF 2

LABORATORY CLIENT: Same as page #1

ADDRESS:

CITY: STATE: ZIP:

TEL: E-MAIL:

CLIENT PROJECT NAME / NUMBER:

P.O. NO:

PROJECT CONTACT:

SAMPLER(S) (PRINT):

REQUESTED ANALYSES

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

SAME DAY  24 HR  48 HR  72 HR  5 DAYS  STANDARD

COELT EDF GLOBAL ID LOG CODE

Please check box or fill in blank as needed

SPECIAL INSTRUCTIONS: 24 hr TAT

| LAB USE ONLY | SAMPLE ID | SAMPLING DATE | SAMPLING TIME | MATRIX | NO. OF CONT. | Unpreserved | Preserved | Field Filtered | <input type="checkbox"/> TPH(g) <input type="checkbox"/> GRO | <input type="checkbox"/> TPH(d) <input type="checkbox"/> DRO | TPH <input type="checkbox"/> C6-C36 <input type="checkbox"/> C6-C44 | TPH | BTEX / MTBE <input type="checkbox"/> 8260 <input type="checkbox"/> | VOCs (8260) | Oxygenates (8260) | Prep (5035) <input type="checkbox"/> En Core <input type="checkbox"/> Terra Core | SVOCs (8270) | Pesticides (8081) <i>OCBs</i> | PCBs (8082) | PAHs <input type="checkbox"/> 8270 <input type="checkbox"/> 8270 SIM | T22 Metals <input type="checkbox"/> 6010/747X <input type="checkbox"/> 6020/747X | Cr(VI) <input type="checkbox"/> 7196 <input type="checkbox"/> 7199 <input type="checkbox"/> 218 6 |
|--------------|-----------|---------------|---------------|--------|--------------|-------------|-----------|----------------|--|--|---|-----|--|-------------|-------------------|--|--------------|-------------------------------|-------------|--|--|---|
| 11           | B-6-0.5   | 5/27/21       | 1110          | Soil   | 1            | X           |           |                |  |  |   |     |  |             |                   |  |              | X                             |             |  | X  |   |
| 12           | B-6-2     | 5/27/21       | 1115          |        | 1            | X           |           |                |  |  |   |     |  |             |                   |  |              | X                             |             |  | X  |   |
| 13           | B-7-0.5   | 5/27/21       | 1125          |        | 1            | X           |           |                |  |  |   |     |  |             |                   |  |              | X                             |             |  | X  |   |
| 14           | B-7-2     | 5/27/21       | 1135          |        | 1            | X           |           |                |  |  |   |     |  |             |                   |  |              | X                             |             |  | X  |   |
| 15           | B-8-0.5   | 5/27/21       | 1145          |        | 1            | X           |           |                |  |  |   |     |  |             |                   |  |              | X                             |             |  | X  |   |
| 16           | B-8-2     | 5/27/21       | 1155          |        | 1            | X           |           |                |  |  |   |     |  |             |                   |  |              | X                             |             |  | X  |   |

|                              |   |               |            |
|------------------------------|---|---------------|------------|
| Relinquished by: (Signature) | Received by: (Signature/Affiliation) <i>ECI</i> | Date: 5/27/21 | Time: 1345 |
| Relinquished by: (Signature) | Received by: (Signature/Affiliation)            | Date:         | Time:      |
| Relinquished by: (Signature) | Received by: (Signature/Affiliation)            | Date:         | Time:      |

Page 74 of 75

5/28/2021



# Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 570-60286-1

**Login Number: 60286**

**List Source: Eurofins Calscience LLC**

**List Number: 1**

**Creator: Ramos, Maribel**

| Question  | Answer | Comment                             |
|---|--------|-------------------------------------|
| Radioactivity wasn't checked or is <math>\leq</math> 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.                             | False  | Refer to Job Narrative for details. |
| 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.   | True   |                                     |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs                    | True   |                                     |
| Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4"). | True   |                                     |
| Multiphasic samples are not present.  | True   |                                     |
| Samples do not require splitting or compositing.  | True   |                                     |
| Residual Chlorine Checked.  | N/A    |                                     |





May 28, 2021

Brian Pierce  
Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108  
RE: 464 E. Norman Rd. San Bernardino, CA. 92408

Enclosed are the results of analyses for soil gas samples received by Environmental Support Technologies laboratory on 05/27/21 17:12. The analyses were performed according to the prescribed method as outlined by EPA 8260B. A shut in test was performed, leak test was performed, equipment blank was run, and selected purge volume was 3PV. If you have any questions concerning this report, please feel free to contact Project Manager.

Sincerely,

*Ashley Flores*

Ashley Flores  
Project Manager

Environmental Support Technologies laboratories are certified by the California Department of Health Services (CDHS), Environmental Laboratory Accreditation Program (ELAP) No's. 2772, 2773, and 2767.

8 Goodyear, Suite 125, Irvine, California 92618  
Telephone: (949) 679-9500 Fax: (949) 679-9501





Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

### ANALYTICAL REPORT FOR SAMPLES

| Sample ID       | Laboratory ID | Matrix | Date Sampled    | Date Analyzed   |
|-----------------|---------------|--------|-----------------|-----------------|
| Equipment Blank | BE12701-01    | Air    | 27-May-21 07:50 | 27-May-21 08:06 |
| Material Blank  | BE12701-02    | Air    | 27-May-21 08:20 | 27-May-21 08:38 |
| SV1-5           | BE12701-03    | Air    | 27-May-21 12:10 | 27-May-21 12:25 |
| SV2-5           | BE12701-04    | Air    | 27-May-21 13:05 | 27-May-21 13:21 |
| SV2-5-DUP       | BE12701-05    | Air    | 27-May-21 12:35 | 27-May-21 13:50 |
| SV3-5           | BE12701-06    | Air    | 27-May-21 14:05 | 27-May-21 14:18 |
| SV4-5           | BE12701-07    | Air    | 27-May-21 14:30 | 27-May-21 14:46 |
| SV5-5           | BE12701-08    | Air    | 27-May-21 15:00 | 27-May-21 15:15 |

DRAFT

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

### Volatile Organic Compounds Environmental Support Technologies-3

| Analyte  | Result | Reporting Limit | Units             | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|--|--------|-----------------|-------------------|----------|---------|----------|----------|-----------|-------|
| <b>Equipment Blank (BE12701-01) Air    Sampled: 05/27/21 07:50    Analyzed: 05/27/21 08:06</b> |        |                 |                   |          |         |          |          |           |       |
| 1,1,1,2-Tetrachloroethane  | ND     | 5.0             | ug/m <sup>3</sup> | 1        | B1E2701 | 05/27/21 | 05/27/21 | EPA 8260B |       |
| 1,1,1-Trichloroethane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2-Trichloroethane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2-Trichloro-trifluoroethane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloroethane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloroethene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloropropene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,3-Trichlorobenzene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,3-Trichloropropane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,4-Trichlorobenzene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dibromo-3-chloropropane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dibromoethane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichlorobenzene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichloroethane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichloropropane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3-Dichlorobenzene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3-Dichloropropane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,4-Dichlorobenzene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2,2-Dichloropropane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2-Chlorotoluene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 4-Chlorotoluene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Benzene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromobenzene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromochloromethane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromodichloromethane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromoform  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromomethane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Carbon disulfide   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Carbon tetrachloride   | ND     | 10              | "                 | "        | "       | "        | "        | "         |       |
| Chlorobenzene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloroethane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloroform   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloromethane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| cis-1,2-Dichloroethene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |

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Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

### Volatile Organic Compounds Environmental Support Technologies-3

| Analyte  | Result | Reporting Limit | Units             | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|--|--------|-----------------|-------------------|----------|---------|----------|----------|-----------|-------|
| <b>Equipment Blank (BE12701-01) Air    Sampled: 05/27/21 07:50    Analyzed: 05/27/21 08:06</b> |        |                 |                   |          |         |          |          |           |       |
| cis-1,3-Dichloropropene  | ND     | 5.0             | ug/m <sup>3</sup> | 1        | B1E2701 | 05/27/21 | 05/27/21 | EPA 8260B |       |
| Dibromochloromethane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Dibromomethane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Dichlorodifluoromethane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Ethylbenzene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Hexachlorobutadiene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Isopropylbenzene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| meta- and para-Xylenes   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Methylene Chloride   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Naphthalene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| n-Butylbenzene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| n-Propylbenzene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| ortho-Xylene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| p-Isopropyltoluene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| sec-Butylbenzene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Styrene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| tert-Butylbenzene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Tetrachloroethene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Toluene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| trans-1,2-Dichloroethene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| trans-1,3-Dichloropropene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Trichloroethene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Trichlorofluoromethane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Vinyl Chloride   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2-Propanol   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <i>Surrogate: Dibromofluoromethane</i>   |        | 78.4 %          | 75-125            |          | "       | "        | "        | "         |       |
| <i>Surrogate: Toluene-d8</i>   |        | 87.2 %          | 75-125            |          | "       | "        | "        | "         |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>   |        | 109 %           | 75-125            |          | "       | "        | "        | "         |       |

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Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

**Volatile Organic Compounds  
Environmental Support Technologies-3**

| Analyte   | Result | Reporting Limit | Units             | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---|--------|-----------------|-------------------|----------|---------|----------|----------|-----------|-------|
| <b>Material Blank (BE12701-02) Air Sampled: 05/27/21 08:20 Analyzed: 05/27/21 08:38</b> |        |                 |                   |          |         |          |          |           |       |
| 1,1,1,2-Tetrachloroethane   | ND     | 5.0             | ug/m <sup>3</sup> | 1        | B1E2701 | 05/27/21 | 05/27/21 | EPA 8260B |       |
| 1,1,1-Trichloroethane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2,2-Tetrachloroethane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2-Trichloroethane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2-Trichloro-trifluoroethane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloroethane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloroethene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloropropene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,3-Trichlorobenzene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,3-Trichloropropane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,4-Trichlorobenzene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,4-Trimethylbenzene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dibromo-3-chloropropane   | ND     | 50              | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dibromoethane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichlorobenzene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichloroethane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichloropropane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3-Dichlorobenzene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3-Dichloropropane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,4-Dichlorobenzene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2,2-Dichloropropane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2-Chlorotoluene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 4-Chlorotoluene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Benzene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromobenzene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromochloromethane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromodichloromethane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromoform   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromomethane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Carbon disulfide  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Carbon tetrachloride  | ND     | 10              | "                 | "        | "       | "        | "        | "         |       |
| Chlorobenzene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloroethane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloroform  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloromethane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| cis-1,2-Dichloroethene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |

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Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

### Volatile Organic Compounds Environmental Support Technologies-3

| Analyte   | Result | Reporting Limit | Units             | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|---|--------|-----------------|-------------------|----------|---------|----------|----------|-----------|-------|
| <b>Material Blank (BE12701-02) Air Sampled: 05/27/21 08:20 Analyzed: 05/27/21 08:38</b> |        |                 |                   |          |         |          |          |           |       |
| cis-1,3-Dichloropropene   | ND     | 5.0             | ug/m <sup>3</sup> | 1        | B1E2701 | 05/27/21 | 05/27/21 | EPA 8260B |       |
| Dibromochloromethane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Dibromomethane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Dichlorodifluoromethane   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Ethylbenzene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Hexachlorobutadiene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Isopropylbenzene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| meta- and para-Xylenes  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Methylene Chloride  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Naphthalene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| n-Butylbenzene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| n-Propylbenzene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| ortho-Xylene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| p-Isopropyltoluene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| sec-Butylbenzene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Styrene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| tert-Butylbenzene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Tetrachloroethene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Toluene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| trans-1,2-Dichloroethene  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| trans-1,3-Dichloropropene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Trichloroethene   | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Trichlorofluoromethane  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Vinyl Chloride  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2-Propanol  | ND     | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Surrogate: Dibromofluoromethane   |        | 79.2 %          | 75-125            |          | "       | "        | "        | "         |       |
| Surrogate: Toluene-d8   |        | 87.2 %          | 75-125            |          | "       | "        | "        | "         |       |
| Surrogate: 4-Bromofluorobenzene   |        | 110 %           | 75-125            |          | "       | "        | "        | "         |       |

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Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

### Volatile Organic Compounds Environmental Support Technologies-3

| Analyte  | Result     | Reporting Limit | Units             | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|--|------------|-----------------|-------------------|----------|---------|----------|----------|-----------|-------|
| <b>SV1-5 (BE12701-03) Air Sampled: 05/27/21 12:10 Analyzed: 05/27/21 12:25</b> |            |                 |                   |          |         |          |          |           |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 5.0             | ug/m <sup>3</sup> | 1        | B1E2701 | 05/27/21 | 05/27/21 | EPA 8260B |       |
| 1,1,1-Trichloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2-Trichloro-trifluoroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloroethene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloropropene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,3-Trichlorobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,3-Trichloropropane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>1,2,4-Trimethylbenzene</b>  | <b>270</b> | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dibromo-3-chloropropane  | ND         | 50              | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dibromoethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>1,3,5-Trimethylbenzene</b>  | <b>99</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,4-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2,2-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2-Chlorotoluene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 4-Chlorotoluene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Benzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromochloromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromodichloromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromoform  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromomethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Carbon disulfide   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Carbon tetrachloride   | ND         | 10              | "                 | "        | "       | "        | "        | "         |       |
| Chlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloroform   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloromethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| cis-1,2-Dichloroethene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |

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Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

### Volatile Organic Compounds Environmental Support Technologies-3

| Analyte  | Result      | Reporting Limit | Units             | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|--|-------------|-----------------|-------------------|----------|---------|----------|----------|-----------|-------|
| <b>SV1-5 (BE12701-03) Air Sampled: 05/27/21 12:10 Analyzed: 05/27/21 12:25</b> |             |                 |                   |          |         |          |          |           |       |
| cis-1,3-Dichloropropene  | ND          | 5.0             | ug/m <sup>3</sup> | 1        | B1E2701 | 05/27/21 | 05/27/21 | EPA 8260B |       |
| Dibromochloromethane   | ND          | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Dibromomethane   | ND          | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Dichlorodifluoromethane  | ND          | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>  | <b>170</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Hexachlorobutadiene  | ND          | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Isopropylbenzene   | ND          | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>meta- and para-Xylenes</b>  | <b>1300</b> | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Methylene Chloride   | ND          | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Naphthalene  | ND          | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| n-Butylbenzene   | ND          | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>n-Propylbenzene</b>   | <b>69</b>   | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>ortho-Xylene</b>  | <b>430</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>p-Isopropyltoluene</b>  | <b>31</b>   | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| sec-Butylbenzene   | ND          | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Styrene  | ND          | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| tert-Butylbenzene  | ND          | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>Tetrachloroethene</b>   | <b>5.6</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>Toluene</b>   | <b>14</b>   | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| trans-1,2-Dichloroethene   | ND          | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| trans-1,3-Dichloropropene  | ND          | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>Trichloroethene</b>   | <b>5.2</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Trichlorofluoromethane   | ND          | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Vinyl Chloride   | ND          | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2-Propanol   | ND          | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <i>Surrogate: Dibromofluoromethane</i>   |             | 83.2 %          |                   | 75-125   | "       | "        | "        | "         |       |
| <i>Surrogate: Toluene-d8</i>   |             | 88.0 %          |                   | 75-125   | "       | "        | "        | "         |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>   |             | 106 %           |                   | 75-125   | "       | "        | "        | "         |       |

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Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

**Volatile Organic Compounds  
Environmental Support Technologies-3**

| Analyte  | Result     | Reporting Limit | Units             | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|--|------------|-----------------|-------------------|----------|---------|----------|----------|-----------|-------|
| <b>SV2-5 (BE12701-04) Air Sampled: 05/27/21 13:05 Analyzed: 05/27/21 13:21</b> |            |                 |                   |          |         |          |          |           |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 5.0             | ug/m <sup>3</sup> | 1        | B1E2701 | 05/27/21 | 05/27/21 | EPA 8260B |       |
| 1,1,1-Trichloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2-Trichloro-trifluoroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloroethene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloropropene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,3-Trichlorobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,3-Trichloropropane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>1,2,4-Trimethylbenzene</b>  | <b>27</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dibromo-3-chloropropane  | ND         | 50              | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dibromoethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>1,3,5-Trimethylbenzene</b>  | <b>8.6</b> | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,4-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2,2-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2-Chlorotoluene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 4-Chlorotoluene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Benzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromochloromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromodichloromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromoform  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromomethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Carbon disulfide   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Carbon tetrachloride   | ND         | 10              | "                 | "        | "       | "        | "        | "         |       |
| Chlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloroform   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloromethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| cis-1,2-Dichloroethene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |

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Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

### Volatile Organic Compounds Environmental Support Technologies-3

| Analyte  | Result     | Reporting Limit | Units             | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|--|------------|-----------------|-------------------|----------|---------|----------|----------|-----------|-------|
| <b>SV2-5 (BE12701-04) Air Sampled: 05/27/21 13:05 Analyzed: 05/27/21 13:21</b> |            |                 |                   |          |         |          |          |           |       |
| cis-1,3-Dichloropropene  | ND         | 5.0             | ug/m <sup>3</sup> | 1        | B1E2701 | 05/27/21 | 05/27/21 | EPA 8260B |       |
| Dibromochloromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Dibromomethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Dichlorodifluoromethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>  | <b>14</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Hexachlorobutadiene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Isopropylbenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>meta- and para-Xylenes</b>  | <b>62</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Methylene Chloride   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Naphthalene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| n-Butylbenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>n-Propylbenzene</b>   | <b>5.8</b> | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>ortho-Xylene</b>  | <b>22</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>p-Isopropyltoluene</b>  | <b>14</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| sec-Butylbenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Styrene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| tert-Butylbenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>Tetrachloroethene</b>   | <b>3.8</b> | 5.0             | "                 | "        | "       | "        | "        | "         | J     |
| Toluene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| trans-1,2-Dichloroethene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| trans-1,3-Dichloropropene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Trichloroethene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Trichlorofluoromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Vinyl Chloride   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2-Propanol   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <i>Surrogate: Dibromofluoromethane</i>   |            | 80.8 %          |                   | 75-125   | "       | "        | "        | "         |       |
| <i>Surrogate: Toluene-d8</i>   |            | 88.8 %          |                   | 75-125   | "       | "        | "        | "         |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>   |            | 106 %           |                   | 75-125   | "       | "        | "        | "         |       |

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Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

### Volatile Organic Compounds Environmental Support Technologies-3

| Analyte  | Result     | Reporting Limit | Units             | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|--|------------|-----------------|-------------------|----------|---------|----------|----------|-----------|-------|
| <b>SV2-5-DUP (BE12701-05) Air Sampled: 05/27/21 12:35 Analyzed: 05/27/21 13:50</b> |            |                 |                   |          |         |          |          |           |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 5.0             | ug/m <sup>3</sup> | 1        | B1E2701 | 05/27/21 | 05/27/21 | EPA 8260B |       |
| 1,1,1-Trichloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2-Trichloro-trifluoroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloroethene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloropropene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,3-Trichlorobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,3-Trichloropropane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>1,2,4-Trimethylbenzene</b>  | <b>23</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dibromo-3-chloropropane  | ND         | 50              | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dibromoethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>1,3,5-Trimethylbenzene</b>  | <b>7.6</b> | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,4-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2,2-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2-Chlorotoluene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 4-Chlorotoluene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Benzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromochloromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromodichloromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromoform  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromomethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Carbon disulfide   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Carbon tetrachloride   | ND         | 10              | "                 | "        | "       | "        | "        | "         |       |
| Chlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloroform   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloromethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| cis-1,2-Dichloroethene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |

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Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

### Volatile Organic Compounds Environmental Support Technologies-3

| Analyte  | Result     | Reporting Limit | Units             | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|--|------------|-----------------|-------------------|----------|---------|----------|----------|-----------|-------|
| <b>SV2-5-DUP (BE12701-05) Air Sampled: 05/27/21 12:35 Analyzed: 05/27/21 13:50</b> |            |                 |                   |          |         |          |          |           |       |
| cis-1,3-Dichloropropene  | ND         | 5.0             | ug/m <sup>3</sup> | 1        | B1E2701 | 05/27/21 | 05/27/21 | EPA 8260B |       |
| Dibromochloromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Dibromomethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Dichlorodifluoromethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>  | <b>12</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Hexachlorobutadiene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Isopropylbenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>meta- and para-Xylenes</b>  | <b>58</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Methylene Chloride   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Naphthalene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| n-Butylbenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>n-Propylbenzene</b>   | <b>5.0</b> | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>ortho-Xylene</b>  | <b>20</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>p-Isopropyltoluene</b>  | <b>3.6</b> | 5.0             | "                 | "        | "       | "        | "        | "         | J     |
| sec-Butylbenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Styrene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| tert-Butylbenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>Tetrachloroethene</b>   | <b>2.8</b> | 5.0             | "                 | "        | "       | "        | "        | "         | J     |
| Toluene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| trans-1,2-Dichloroethene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| trans-1,3-Dichloropropene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Trichloroethene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Trichlorofluoromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Vinyl Chloride   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2-Propanol   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <i>Surrogate: Dibromofluoromethane</i>   |            | 82.4 %          |                   | 75-125   | "       | "        | "        | "         |       |
| <i>Surrogate: Toluene-d8</i>   |            | 89.6 %          |                   | 75-125   | "       | "        | "        | "         |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>   |            | 108 %           |                   | 75-125   | "       | "        | "        | "         |       |

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Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

### Volatile Organic Compounds Environmental Support Technologies-3

| Analyte  | Result     | Reporting Limit | Units             | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|--|------------|-----------------|-------------------|----------|---------|----------|----------|-----------|-------|
| <b>SV3-5 (BE12701-06) Air Sampled: 05/27/21 14:05 Analyzed: 05/27/21 14:18</b> |            |                 |                   |          |         |          |          |           |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 5.0             | ug/m <sup>3</sup> | 1        | B1E2701 | 05/27/21 | 05/27/21 | EPA 8260B |       |
| 1,1,1-Trichloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2-Trichloro-trifluoroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloroethene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloropropene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,3-Trichlorobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,3-Trichloropropane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>1,2,4-Trimethylbenzene</b>  | <b>16</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dibromo-3-chloropropane  | ND         | 50              | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dibromoethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>1,3,5-Trimethylbenzene</b>  | <b>5.0</b> | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,4-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2,2-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2-Chlorotoluene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 4-Chlorotoluene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Benzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromochloromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromodichloromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromoform  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromomethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Carbon disulfide   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Carbon tetrachloride   | ND         | 10              | "                 | "        | "       | "        | "        | "         |       |
| Chlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloroform   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloromethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| cis-1,2-Dichloroethene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |

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Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

**Volatile Organic Compounds  
Environmental Support Technologies-3**

| Analyte  | Result     | Reporting Limit | Units             | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|--|------------|-----------------|-------------------|----------|---------|----------|----------|-----------|-------|
| <b>SV3-5 (BE12701-06) Air Sampled: 05/27/21 14:05 Analyzed: 05/27/21 14:18</b> |            |                 |                   |          |         |          |          |           |       |
| cis-1,3-Dichloropropene  | ND         | 5.0             | ug/m <sup>3</sup> | 1        | B1E2701 | 05/27/21 | 05/27/21 | EPA 8260B |       |
| Dibromochloromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Dibromomethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Dichlorodifluoromethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>  | <b>14</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Hexachlorobutadiene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Isopropylbenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>meta- and para-Xylenes</b>  | <b>60</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Methylene Chloride   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Naphthalene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| n-Butylbenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>n-Propylbenzene</b>   | <b>3.2</b> | 5.0             | "                 | "        | "       | "        | "        | "         | J     |
| <b>ortho-Xylene</b>  | <b>20</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>p-Isopropyltoluene</b>  | <b>3.6</b> | 5.0             | "                 | "        | "       | "        | "        | "         | J     |
| sec-Butylbenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Styrene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| tert-Butylbenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>Tetrachloroethene</b>   | <b>3.2</b> | 5.0             | "                 | "        | "       | "        | "        | "         | J     |
| <b>Toluene</b>   | <b>2.4</b> | 5.0             | "                 | "        | "       | "        | "        | "         | J     |
| trans-1,2-Dichloroethene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| trans-1,3-Dichloropropene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Trichloroethene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Trichlorofluoromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Vinyl Chloride   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2-Propanol   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <i>Surrogate: Dibromofluoromethane</i>   |            | 84.0 %          |                   | 75-125   |         | "        | "        | "         |       |
| <i>Surrogate: Toluene-d8</i>   |            | 90.4 %          |                   | 75-125   |         | "        | "        | "         |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>   |            | 109 %           |                   | 75-125   |         | "        | "        | "         |       |

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Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

### Volatile Organic Compounds Environmental Support Technologies-3

| Analyte  | Result     | Reporting Limit | Units             | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|--|------------|-----------------|-------------------|----------|---------|----------|----------|-----------|-------|
| <b>SV4-5 (BE12701-07) Air Sampled: 05/27/21 14:30 Analyzed: 05/27/21 14:46</b> |            |                 |                   |          |         |          |          |           |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 5.0             | ug/m <sup>3</sup> | 1        | B1E2701 | 05/27/21 | 05/27/21 | EPA 8260B |       |
| 1,1,1-Trichloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2-Trichloro-trifluoroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloroethene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloropropene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,3-Trichlorobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,3-Trichloropropane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>1,2,4-Trimethylbenzene</b>  | <b>13</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dibromo-3-chloropropane  | ND         | 50              | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dibromoethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>1,3,5-Trimethylbenzene</b>  | <b>4.0</b> | 5.0             | "                 | "        | "       | "        | "        | "         | J     |
| 1,3-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,4-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2,2-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2-Chlorotoluene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 4-Chlorotoluene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Benzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromochloromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromodichloromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromoform  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromomethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Carbon disulfide   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Carbon tetrachloride   | ND         | 10              | "                 | "        | "       | "        | "        | "         |       |
| Chlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloroform   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloromethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| cis-1,2-Dichloroethene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |

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Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

**Volatile Organic Compounds  
Environmental Support Technologies-3**

| Analyte  | Result     | Reporting Limit | Units             | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|--|------------|-----------------|-------------------|----------|---------|----------|----------|-----------|-------|
| <b>SV4-5 (BE12701-07) Air Sampled: 05/27/21 14:30 Analyzed: 05/27/21 14:46</b> |            |                 |                   |          |         |          |          |           |       |
| cis-1,3-Dichloropropene  | ND         | 5.0             | ug/m <sup>3</sup> | 1        | B1E2701 | 05/27/21 | 05/27/21 | EPA 8260B |       |
| Dibromochloromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Dibromomethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Dichlorodifluoromethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>  | <b>25</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Hexachlorobutadiene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Isopropylbenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>meta- and para-Xylenes</b>  | <b>100</b> | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Methylene Chloride   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Naphthalene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| n-Butylbenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>n-Propylbenzene</b>   | <b>3.0</b> | 5.0             | "                 | "        | "       | "        | "        | "         | J     |
| <b>ortho-Xylene</b>  | <b>29</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>p-Isopropyltoluene</b>  | <b>3.4</b> | 5.0             | "                 | "        | "       | "        | "        | "         | J     |
| sec-Butylbenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Styrene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| tert-Butylbenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>Tetrachloroethene</b>   | <b>3.0</b> | 5.0             | "                 | "        | "       | "        | "        | "         | J     |
| <b>Toluene</b>   | <b>3.2</b> | 5.0             | "                 | "        | "       | "        | "        | "         | J     |
| trans-1,2-Dichloroethene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| trans-1,3-Dichloropropene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Trichloroethene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>Trichlorofluoromethane</b>  | <b>6.2</b> | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Vinyl Chloride   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2-Propanol   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <i>Surrogate: Dibromofluoromethane</i>   |            | 80.0 %          | 75-125            |          | "       | "        | "        | "         |       |
| <i>Surrogate: Toluene-d8</i>   |            | 91.2 %          | 75-125            |          | "       | "        | "        | "         |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>   |            | 108 %           | 75-125            |          | "       | "        | "        | "         |       |

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Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

### Volatile Organic Compounds Environmental Support Technologies-3

| Analyte  | Result     | Reporting Limit | Units             | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|--|------------|-----------------|-------------------|----------|---------|----------|----------|-----------|-------|
| <b>SV5-5 (BE12701-08) Air Sampled: 05/27/21 15:00 Analyzed: 05/27/21 15:15</b> |            |                 |                   |          |         |          |          |           |       |
| 1,1,1,2-Tetrachloroethane  | ND         | 5.0             | ug/m <sup>3</sup> | 1        | B1E2701 | 05/27/21 | 05/27/21 | EPA 8260B |       |
| 1,1,1-Trichloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2,2-Tetrachloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2-Trichloroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1,2-Trichloro-trifluoroethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloroethene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,1-Dichloropropene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,3-Trichlorobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,3-Trichloropropane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2,4-Trichlorobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>1,2,4-Trimethylbenzene</b>  | <b>6.0</b> | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dibromo-3-chloropropane  | ND         | 50              | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dibromoethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,2-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3,5-Trimethylbenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,3-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 1,4-Dichlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2,2-Dichloropropane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2-Chlorotoluene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 4-Chlorotoluene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Benzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromobenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromochloromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromodichloromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromoform  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Bromomethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Carbon disulfide   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Carbon tetrachloride   | ND         | 10              | "                 | "        | "       | "        | "        | "         |       |
| Chlorobenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloroethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloroform   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Chloromethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| cis-1,2-Dichloroethene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |

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Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

**Volatile Organic Compounds  
Environmental Support Technologies-3**

| Analyte  | Result     | Reporting Limit | Units             | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
|--|------------|-----------------|-------------------|----------|---------|----------|----------|-----------|-------|
| <b>SV5-5 (BE12701-08) Air Sampled: 05/27/21 15:00 Analyzed: 05/27/21 15:15</b> |            |                 |                   |          |         |          |          |           |       |
| cis-1,3-Dichloropropene  | ND         | 5.0             | ug/m <sup>3</sup> | 1        | B1E2701 | 05/27/21 | 05/27/21 | EPA 8260B |       |
| Dibromochloromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Dibromomethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Dichlorodifluoromethane  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>Ethylbenzene</b>  | <b>5.2</b> | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Hexachlorobutadiene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Isopropylbenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>meta- and para-Xylenes</b>  | <b>19</b>  | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Methylene Chloride   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Naphthalene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| n-Butylbenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| n-Propylbenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>ortho-Xylene</b>  | <b>6.0</b> | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| p-Isopropyltoluene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| sec-Butylbenzene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Styrene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| tert-Butylbenzene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <b>Tetrachloroethene</b>   | <b>3.0</b> | 5.0             | "                 | "        | "       | "        | "        | "         | J     |
| <b>Toluene</b>   | <b>2.6</b> | 5.0             | "                 | "        | "       | "        | "        | "         | J     |
| trans-1,2-Dichloroethene   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| trans-1,3-Dichloropropene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Trichloroethene  | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Trichlorofluoromethane   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| Vinyl Chloride   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| 2-Propanol   | ND         | 5.0             | "                 | "        | "       | "        | "        | "         |       |
| <i>Surrogate: Dibromofluoromethane</i>   |            | 81.6 %          |                   | 75-125   |         | "        | "        | "         |       |
| <i>Surrogate: Toluene-d8</i>   |            | 90.4 %          |                   | 75-125   |         | "        | "        | "         |       |
| <i>Surrogate: 4-Bromofluorobenzene</i>   |            | 107 %           |                   | 75-125   |         | "        | "        | "         |       |

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Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

**Volatile Organic Compounds - Quality Control  
Environmental Support Technologies-3**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B1E2701 - EPA 5030 Water MS**

**Blank (B1E2701-BLK1)**

Prepared & Analyzed: 05/27/21

|                                 |    |     |                   |  |  |  |  |  |  |  |
|---------------------------------|----|-----|-------------------|--|--|--|--|--|--|--|
| 1,1,1,2-Tetrachloroethane       | ND | 5.0 | ug/m <sup>3</sup> |  |  |  |  |  |  |  |
| 1,1,1-Trichloroethane           | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,1,2,2-Tetrachloroethane       | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,1,2-Trichloroethane           | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,1,2-Trichloro-trifluoroethane | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,1-Dichloroethane              | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,1-Dichloroethene              | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,1-Dichloropropene             | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,2,3-Trichlorobenzene          | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,2,3-Trichloropropane          | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,2,4-Trichlorobenzene          | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,2,4-Trimethylbenzene          | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,2-Dibromo-3-chloropropane     | ND | 50  | "                 |  |  |  |  |  |  |  |
| 1,2-Dibromoethane               | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,2-Dichlorobenzene             | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,2-Dichloroethane              | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,2-Dichloropropane             | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,3,5-Trimethylbenzene          | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,3-Dichlorobenzene             | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,3-Dichloropropane             | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 1,4-Dichlorobenzene             | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 2,2-Dichloropropane             | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 2-Chlorotoluene                 | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| 4-Chlorotoluene                 | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| Benzene                         | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| Bromobenzene                    | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| Bromochloromethane              | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| Bromodichloromethane            | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| Bromoform                       | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| Bromomethane                    | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| Carbon disulfide                | ND | 5.0 | "                 |  |  |  |  |  |  |  |
| Carbon tetrachloride            | ND | 10  | "                 |  |  |  |  |  |  |  |
| Chlorobenzene                   | ND | 5.0 | "                 |  |  |  |  |  |  |  |

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2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

**Volatile Organic Compounds - Quality Control  
Environmental Support Technologies-3**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B1E2701 - EPA 5030 Water MS**

**Blank (B1E2701-BLK1)**

Prepared & Analyzed: 05/27/21

|  |      |     |                   |      |  |      |        |  |  |  |
|--|------|-----|-------------------|------|--|------|--------|--|--|--|
| Chloroethane                           | ND   | 5.0 | ug/m <sup>3</sup> |      |  |      |        |  |  |  |
| Chloroform                             | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| Chloromethane                          | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| cis-1,2-Dichloroethene                 | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| cis-1,3-Dichloropropene                | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| Dibromochloromethane                   | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| Dibromomethane                         | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| Dichlorodifluoromethane                | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| Ethylbenzene                           | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| Hexachlorobutadiene                    | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| Isopropylbenzene                       | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| meta- and para-Xylenes                 | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| Methylene Chloride                     | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| Naphthalene                            | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| n-Butylbenzene                         | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| n-Propylbenzene                        | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| ortho-Xylene                           | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| p-Isopropyltoluene                     | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| sec-Butylbenzene                       | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| Styrene                                | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| tert-Butylbenzene                      | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| Tetrachloroethene                      | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| Toluene                                | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| trans-1,2-Dichloroethene               | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| trans-1,3-Dichloropropene              | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| Trichloroethene                        | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| Trichlorofluoromethane                 | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| Vinyl Chloride                         | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| 2-Propanol                             | ND   | 5.0 | "                 |      |  |      |        |  |  |  |
| <i>Surrogate: Dibromofluoromethane</i> | 1980 |     | "                 | 2500 |  | 79.2 | 75-125 |  |  |  |
| <i>Surrogate: Toluene-d8</i>           | 2140 |     | "                 | 2500 |  | 85.6 | 75-125 |  |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 2720 |     | "                 | 2500 |  | 109  | 75-125 |  |  |  |

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8 Goodyear, Suite 125, Irvine, California 92618  
Telephone: (949) 679-9500 Fax: (949) 679-9501



Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

**Volatile Organic Compounds - Quality Control  
Environmental Support Technologies-3**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B1E2701 - EPA 5030 Water MS**

**LCS (B1E2701-BS1)**

Prepared & Analyzed: 05/27/21

|                                 |     |     |                   |     |  |      |        |  |  |      |
|---------------------------------|-----|-----|-------------------|-----|--|------|--------|--|--|------|
| 1,1,1,2-Tetrachloroethane       | 550 | 5.0 | ug/m <sup>3</sup> | 500 |  | 110  | 75-136 |  |  |      |
| 1,1,1-Trichloroethane           | 560 | 5.0 | "                 | 500 |  | 112  | 73-134 |  |  |      |
| 1,1,2,2-Tetrachloroethane       | 560 | 5.0 | "                 | 500 |  | 112  | 56-149 |  |  |      |
| 1,1,2-Trichloroethane           | 520 | 5.0 | "                 | 500 |  | 104  | 67-137 |  |  |      |
| 1,1,2-Trichloro-trifluoroethane | 560 | 5.0 | "                 | 500 |  | 112  | 83-125 |  |  |      |
| 1,1-Dichloroethane              | 520 | 5.0 | "                 | 500 |  | 104  | 80-121 |  |  |      |
| 1,1-Dichloroethene              | 520 | 5.0 | "                 | 500 |  | 104  | 73-137 |  |  |      |
| 1,1-Dichloropropene             | 470 | 5.0 | "                 | 500 |  | 94.0 | 77-122 |  |  |      |
| 1,2,3-Trichlorobenzene          | 550 | 5.0 | "                 | 500 |  | 110  | 67-133 |  |  |      |
| 1,2,3-Trichloropropane          | 450 | 5.0 | "                 | 500 |  | 90.0 | 56-145 |  |  |      |
| 1,2,4-Trichlorobenzene          | 530 | 5.0 | "                 | 500 |  | 106  | 71-135 |  |  |      |
| 1,2,4-Trimethylbenzene          | 480 | 5.0 | "                 | 500 |  | 96.0 | 76-140 |  |  |      |
| 1,2-Dibromo-3-chloropropane     | 560 | 5.0 | "                 | 500 |  | 112  | 43-158 |  |  |      |
| 1,2-Dibromoethane               | 560 | 5.0 | "                 | 500 |  | 112  | 80-130 |  |  |      |
| 1,2-Dichlorobenzene             | 560 | 5.0 | "                 | 500 |  | 112  | 67-139 |  |  |      |
| 1,2-Dichloroethane              | 540 | 5.0 | "                 | 500 |  | 108  | 75-131 |  |  |      |
| 1,2-Dichloropropane             | 560 | 5.0 | "                 | 500 |  | 112  | 62-144 |  |  |      |
| 1,3,5-Trimethylbenzene          | 540 | 5.0 | "                 | 500 |  | 108  | 78-125 |  |  |      |
| 1,3-Dichlorobenzene             | 550 | 5.0 | "                 | 500 |  | 110  | 82-120 |  |  |      |
| 1,3-Dichloropropane             | 550 | 5.0 | "                 | 500 |  | 110  | 61-145 |  |  |      |
| 1,4-Dichlorobenzene             | 560 | 5.0 | "                 | 500 |  | 112  | 84-120 |  |  |      |
| 2,2-Dichloropropane             | 880 | 5.0 | "                 | 500 |  | 176  | 68-134 |  |  | QL-H |
| 2-Chlorotoluene                 | 490 | 5.0 | "                 | 500 |  | 98.0 | 65-127 |  |  |      |
| 4-Chlorotoluene                 | 510 | 5.0 | "                 | 500 |  | 102  | 65-127 |  |  |      |
| Benzene                         | 520 | 5.0 | "                 | 500 |  | 104  | 79-118 |  |  |      |
| Bromobenzene                    | 550 | 5.0 | "                 | 500 |  | 110  | 69-140 |  |  |      |
| Bromochloromethane              | 540 | 5.0 | "                 | 500 |  | 108  | 61-141 |  |  |      |
| Bromodichloromethane            | 540 | 5.0 | "                 | 500 |  | 108  | 67-137 |  |  |      |
| Bromoform                       | 510 | 5.0 | "                 | 500 |  | 102  | 57-152 |  |  |      |
| Bromomethane                    | 500 | 5.0 | "                 | 500 |  | 100  | 51-148 |  |  |      |
| Carbon disulfide                | 560 | 5.0 | "                 | 500 |  | 112  | 61-140 |  |  |      |
| Carbon tetrachloride            | 480 | 10  | "                 | 500 |  | 96.0 | 74-143 |  |  |      |
| Chlorobenzene                   | 550 | 5.0 | "                 | 500 |  | 110  | 67-140 |  |  |      |

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Geosyntec Consultants, Inc.  
2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

Reported:  
28-May-21 11:28

### Volatile Organic Compounds - Quality Control Environmental Support Technologies-3

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B1E2701 - EPA 5030 Water MS**

**LCS (B1E2701-BS1)**

Prepared & Analyzed: 05/27/21

|  |              |     |                   |              |  |             |               |  |  |  |
|--|--------------|-----|-------------------|--------------|--|-------------|---------------|--|--|--|
| Chloroethane                           | 530          | 5.0 | ug/m <sup>3</sup> | 500          |  | 106         | 60-137        |  |  |  |
| Chloroform                             | 540          | 5.0 | "                 | 500          |  | 108         | 82-140        |  |  |  |
| Chloromethane                          | 560          | 5.0 | "                 | 500          |  | 112         | 58-139        |  |  |  |
| cis-1,2-Dichloroethene                 | 550          | 5.0 | "                 | 500          |  | 110         | 85-116        |  |  |  |
| cis-1,3-Dichloropropene                | 510          | 5.0 | "                 | 500          |  | 102         | 66-142        |  |  |  |
| Dibromochloromethane                   | 520          | 5.0 | "                 | 500          |  | 104         | 61-140        |  |  |  |
| Dibromomethane                         | 540          | 5.0 | "                 | 500          |  | 108         | 66-143        |  |  |  |
| Dichlorodifluoromethane                | 550          | 5.0 | "                 | 500          |  | 110         | 47-129        |  |  |  |
| Ethylbenzene                           | 560          | 5.0 | "                 | 500          |  | 112         | 70-125        |  |  |  |
| Hexachlorobutadiene                    | 530          | 5.0 | "                 | 500          |  | 106         | 71-145        |  |  |  |
| Isopropylbenzene                       | 520          | 5.0 | "                 | 500          |  | 104         | 85-116        |  |  |  |
| meta- and para-Xylenes                 | 1070         | 5.0 | "                 | 1000         |  | 107         | 83-115        |  |  |  |
| Methylene Chloride                     | 540          | 5.0 | "                 | 500          |  | 108         | 81-126        |  |  |  |
| Naphthalene                            | 500          | 5.0 | "                 | 500          |  | 100         | 56-140        |  |  |  |
| n-Butylbenzene                         | 540          | 5.0 | "                 | 500          |  | 108         | 60-149        |  |  |  |
| n-Propylbenzene                        | 540          | 5.0 | "                 | 500          |  | 108         | 77-129        |  |  |  |
| ortho-Xylene                           | 550          | 5.0 | "                 | 500          |  | 110         | 85-115        |  |  |  |
| p-Isopropyltoluene                     | 550          | 5.0 | "                 | 500          |  | 110         | 63-144        |  |  |  |
| sec-Butylbenzene                       | 460          | 5.0 | "                 | 500          |  | 92.0        | 68-128        |  |  |  |
| Styrene                                | 560          | 5.0 | "                 | 500          |  | 112         | 65-142        |  |  |  |
| tert-Butylbenzene                      | 490          | 5.0 | "                 | 500          |  | 98.0        | 60-128        |  |  |  |
| Tetrachloroethene                      | 490          | 5.0 | "                 | 500          |  | 98.0        | 60-144        |  |  |  |
| Toluene                                | 550          | 5.0 | "                 | 500          |  | 110         | 70-115        |  |  |  |
| trans-1,2-Dichloroethene               | 550          | 5.0 | "                 | 500          |  | 110         | 72-133        |  |  |  |
| trans-1,3-Dichloropropene              | 530          | 5.0 | "                 | 500          |  | 106         | 68-140        |  |  |  |
| Trichloroethene                        | 470          | 5.0 | "                 | 500          |  | 94.0        | 68-132        |  |  |  |
| Trichlorofluoromethane                 | 530          | 5.0 | "                 | 500          |  | 106         | 62-144        |  |  |  |
| Vinyl Chloride                         | 530          | 5.0 | "                 | 500          |  | 106         | 66-137        |  |  |  |
| <i>Surrogate: Dibromofluoromethane</i> | <i>11500</i> |     | <i>"</i>          | <i>12500</i> |  | <i>92.0</i> | <i>75-125</i> |  |  |  |
| <i>Surrogate: Toluene-d8</i>           | <i>12900</i> |     | <i>"</i>          | <i>12500</i> |  | <i>103</i>  | <i>75-125</i> |  |  |  |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>12700</i> |     | <i>"</i>          | <i>12500</i> |  | <i>102</i>  | <i>75-125</i> |  |  |  |

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2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

**Volatile Organic Compounds - Quality Control  
Environmental Support Technologies-3**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B1E2701 - EPA 5030 Water MS**

| Duplicate (B1E2701-DUP1)        | Source: BE12701-03 |     |                   | Prepared & Analyzed: 05/27/21 |  |  |  |      |    |  |
|---------------------------------|--------------------|-----|-------------------|-------------------------------|--|--|--|------|----|--|
| 1,1,1,2-Tetrachloroethane       | ND                 | 5.0 | ug/m <sup>3</sup> | ND                            |  |  |  |      | 50 |  |
| 1,1,1-Trichloroethane           | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 1,1,2,2-Tetrachloroethane       | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 1,1,2-Trichloroethane           | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 1,1,2-Trichloro-trifluoroethane | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 1,1-Dichloroethane              | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 1,1-Dichloroethene              | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 1,1-Dichloropropene             | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 1,2,3-Trichlorobenzene          | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 1,2,3-Trichloropropane          | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 1,2,4-Trichlorobenzene          | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 1,2,4-Trimethylbenzene          | 272                | 5.0 | "                 | 268                           |  |  |  | 1.48 | 50 |  |
| 1,2-Dibromo-3-chloropropane     | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 1,2-Dibromoethane               | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 1,2-Dichlorobenzene             | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 1,2-Dichloroethane              | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 1,2-Dichloropropane             | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 1,3,5-Trimethylbenzene          | 101                | 5.0 | "                 | 99.2                          |  |  |  | 2.19 | 50 |  |
| 1,3-Dichlorobenzene             | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 1,3-Dichloropropane             | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 1,4-Dichlorobenzene             | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 2,2-Dichloropropane             | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 2-Chlorotoluene                 | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| 4-Chlorotoluene                 | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| Benzene                         | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| Bromobenzene                    | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| Bromochloromethane              | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| Bromodichloromethane            | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| Bromoform                       | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| Bromomethane                    | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| Carbon disulfide                | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |
| Carbon tetrachloride            | ND                 | 10  | "                 | ND                            |  |  |  |      | 50 |  |
| Chlorobenzene                   | ND                 | 5.0 | "                 | ND                            |  |  |  |      | 50 |  |

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2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

**Volatile Organic Compounds - Quality Control  
Environmental Support Technologies-3**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch B1E2701 - EPA 5030 Water MS**

| Duplicate (B1E2701-DUP1)               | Source: BE12701-03 |     |                   | Prepared & Analyzed: 05/27/21 |  |      |        |       |     |          |
|--|--------------------|-----|-------------------|-------------------------------|--|------|--------|-------|-----|----------|
| Chloroethane                           | ND                 | 5.0 | ug/m <sup>3</sup> | ND                            |  |      |        |       | 50  |          |
| Chloroform                             | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| Chloromethane                          | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| cis-1,2-Dichloroethene                 | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| cis-1,3-Dichloropropene                | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| Dibromochloromethane                   | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| Dibromomethane                         | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| Dichlorodifluoromethane                | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| Ethylbenzene                           | 169                | 5.0 | "                 | 169                           |  |      |        | 0.236 | 50  |          |
| Hexachlorobutadiene                    | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| Isopropylbenzene                       | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| meta- and para-Xylenes                 | 1250               | 5.0 | "                 | 1290                          |  |      |        | 3.17  | 50  |          |
| Methylene Chloride                     | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| Naphthalene                            | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| n-Butylbenzene                         | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| n-Propylbenzene                        | 69.6               | 5.0 | "                 | 69.4                          |  |      |        | 0.288 | 50  |          |
| ortho-Xylene                           | 418                | 5.0 | "                 | 426                           |  |      |        | 1.90  | 50  |          |
| p-Isopropyltoluene                     | 51.8               | 5.0 | "                 | 31.4                          |  |      |        | 49.0  | 50  |          |
| sec-Butylbenzene                       | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| Styrene                                | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| tert-Butylbenzene                      | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| Tetrachloroethene                      | 3.00               | 5.0 | "                 | 5.60                          |  |      |        | 60.5  | 50  | J, QR-04 |
| Toluene                                | 13.2               | 5.0 | "                 | 14.4                          |  |      |        | 8.70  | 50  |          |
| trans-1,2-Dichloroethene               | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| trans-1,3-Dichloropropene              | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| Trichloroethene                        | 4.40               | 5.0 | "                 | 5.20                          |  |      |        | 16.7  | 50  | J        |
| Trichlorofluoromethane                 | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| Vinyl Chloride                         | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 50  |          |
| 2-Propanol                             | ND                 | 5.0 | "                 | ND                            |  |      |        |       | 200 |          |
| <i>Surrogate: Dibromofluoromethane</i> | 2000               |     | "                 | 2500                          |  | 80.0 | 75-125 |       |     |          |
| <i>Surrogate: Toluene-d8</i>           | 2420               |     | "                 | 2500                          |  | 96.8 | 75-125 |       |     |          |
| <i>Surrogate: 4-Bromofluorobenzene</i> | 2620               |     | "                 | 2500                          |  | 105  | 75-125 |       |     |          |

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2355 Northside Dr. Suite 250  
San Diego, CA 92108

Project: 464 E. Norman Rd. San Bernardino, CA. 92408  
Project Number: EST3331  
Project Manager: Brian Pierce

**Reported:**  
28-May-21 11:28

### Notes and Definitions

- QR-04 The RPD result for this analyte in the sample exceeded the QC control limits; however, the RPD for other analytes were within the QC control limits.
- QL-H The spike recovery was out high for the LCS and/or the LCSD; however the analyte was not detected in any of the analyzed samples.
- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference

DRAFT

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