



1 May 2020
19312-00.02711

Mr. Peter Wang
Director
Young Sunbears, LLC
48834 Kato Rd, Suite 101-A
Fremont, CA 94538

Subject: Phase II Site Investigation for the Witherly Lane Subdivision Project in Fremont, California

Dear Mr. Wang:

Please find enclosed our report documenting the activities and findings of a Phase II Site Investigation performed to evaluate potential agricultural pesticide contamination at 740, 750, and 830 Witherly Lane in Fremont, California. If you have any questions or comments regarding this report, please do not hesitate to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Bruce", with a long horizontal flourish extending to the right.

Bruce Abelli-Amen
Principal
Professional Geologist No. 5593
Certified Hydrogeologist No. 96

BAA: YT: WS:km

PHASE II SITE INVESTIGATION

1 MAY 2020

WITHERLY LANE SUBDIVISION PROJECT
Fremont, California

FOR:
Young Sunbears, LLC
Fremont, California

19312-00.02711

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PHASE II SITE INVESTIGATION

Witherly Lane Subdivision Project Fremont, California

1. INTRODUCTION

This report presents the findings of Phase II Site Investigation performed by Baseline Environmental Consulting (Baseline) for the Witherly Lane Subdivision Project at the properties located on three parcels at 740, 750, and 830 Witherly Lane in Fremont, California (Site). The proposed project would include renovation of two existing single-family homes and the construction of six new single-family homes.

In 2019, Baseline prepared a Phase I Environmental Site Assessment (ESA) report that recommended Phase II soil sampling to evaluate whether the site soils had been affected by pesticides that may have been used by past agricultural activities (Baseline, 2019). Based on this recommendation, soil sampling and analysis were performed on behalf of Young Sunbears, LLC to evaluate the Site.

2. SITE DESCRIPTION

The Site is located in a residential area that also includes a school in the Mission San Jose District in Fremont, California (Figure 1). Land uses around the Site include Ohlone College to the south; and single-family homes to the north, east and west. The Site has a gradual to moderate slope to the west and northwest with an exposed portion of Washington Creek flowing along the northern boundary.

3. SOIL SAMPLING ACTIVITIES

On 12 April 2020, a Baseline Professional Geologist collected 24 discrete soil samples at the Site from borings S1 to S12 (Figure 2). The boring locations were selected using a random sampling approach. Two discrete soil samples were collected from each boring, including a shallow soil sample collected at the surface after removing any surface vegetation and a deeper soil sample collected at one foot below the ground surface. For the deeper soil samples, a hand auger was used to advance each boring to the target depth. The sampling equipment was decontaminated between each sample by brushing and scrapping off any residual soil that remained on the sampling equipment.

Each soil sample was labeled and placed in a cooler with ice. The sample identifications consist of the boring location followed by the sample depth in feet below ground surface. The samples were transported under chain-of-custody procedures to Enthalpy Analytical, a state-certified

laboratory located in Berkeley, California. The discrete shallow soil samples collected from borings S1 to S12 were composited at the laboratory into four composite samples (COMP) as described below:

- COMP-1 is made up of discrete shallow soil samples collected from borings S1, S5, and S6.
- COMP-2 is made up of discrete shallow soil samples collected from borings S2, S7, and S11.
- COMP-3 is made up of discrete shallow soil samples collected from borings S3, S8, and S10.
- COMP-4 is made up of discrete shallow soil samples collected from borings S4, S9, and S12.

The 12 discrete deeper soil samples were placed on hold and stored at the laboratory.

4. LABORATORY ANALYSIS AND ANALYTICAL RESULTS

The four composited shallow soil samples (COMP-1 to COMP-4) were analyzed for organochlorine pesticides (OCP) in accordance with EPA Methods 8081A. The four shallow soil samples collected from borings S1, S2, S3, and S4 were analyzed discretely for arsenic in accordance with EPA method 6010B. The laboratory reports are presented in Appendix A.

Shallow soil sample analytical results for OCP compounds and arsenic are summarized in Table 1. The results are compared to the San Francisco Bay Regional Water Quality Control Board's January 2019 Environmental Screening Levels ("ESLs") for residential direct exposure (Regional Water Board, 2019)¹.

The detected concentrations of OCP compounds were below the residential land use direct exposure ESLs. The detected concentrations of arsenic ranged from 3.2 mg/kg to 9.7 mg/kg, which exceed the 0.067 mg/kg residential land use direct exposure ESL. Background levels of arsenic typically exceed ESLs in the San Francisco Bay region by an order of magnitude or two due to naturally-occurring background concentrations (Duvergé, 2011). The discrete sample concentrations were below the 11 mg/kg (99th percentile) background level of arsenic.

The deep soil samples were not analyzed because the shallow soil sample results showed no evidence of agricultural pesticide contamination at the Site above levels of concern.

¹ The Regional Water Board has developed ESLs for a variety of chemical compounds commonly found at sites with contaminated soil and/or groundwater (Regional Water Board, 2019). The ESL is chemical specific concentrations for soil that can be directly compared to site investigation results to expedite the screening of potential environmental concerns. ESLs were developed for residential land use exposure conditions using conservative (worst-case) exposure assumptions. The presence of a chemical below the ESL would be considered not to pose a significant risk to the residents. If the presence of a chemical exceeds the ESL, additional direct exposure protection should be considered.

5. CONCLUSIONS AND RECOMMENDATIONS

Based on analytical results, Baseline provides the following conclusions and recommendations:

- Agricultural pesticide contamination was not identified at the Site above the residential direct exposure ESLs. Arsenic was detected above the residential direct exposure ESLs, however below the established background levels for soils in the Bay Area. Based on these results, Therefore, the site soils have not been adversely affected by past agricultural land use and the site is considered appropriate for residential development.
- This Phase II Site Investigation was performed to evaluate whether the site soils would pose any added health risk to future occupants under a residential land use scenario. If the excavated soil will be removed from the Site for reuse or disposal off-site, additional testing may be required to satisfy the requirements of the landfill or reuse site.

6. LIMITATIONS

This Phase II ESA was performed to provide an understanding of the current environmental conditions at the Site. Baseline's interpretations and conclusions regarding this information and presented in this report are based on the expertise and experience of Baseline in conducting similar assessments and current local, state, and federal regulations and standards.

Baseline's objective is to perform our work with care, exercising the customary thoroughness and competence of earth science, environmental, and engineering consulting professionals, in accordance with the standard for professional services for a consulting firm at the time these services were provided. It is important to recognize that even the most comprehensive scope of services may fail to detect environmental conditions and potential liability at a particular site. Therefore, Baseline cannot act as insurers and cannot "certify or underwrite" that a site is free of environmental contamination, and no expressed or implied representation or warranty is included or intended in this report except that the work was performed within the limits prescribed with the customary thoroughness and competence of our profession.

The passage of time, manifestation of latent conditions, or occurrence of future events may require further exploration at the Site, analysis of the data, and re-evaluation of the findings, observations, conclusions, and recommendations expressed in this report.

The findings, observations, conclusions, and recommendations expressed by Baseline in this report are limited by the scope of services and should not be considered an opinion concerning the compliance of any past or current owner or operator of the Site with any federal, state, or local law or regulation. No warranty or guarantee, whether expressed or implied, is made with respect to the data reported or findings, observations, conclusions, and recommendations expressed in this report.

7. REFERENCES

Baseline Environmental Consulting (Baseline), 2019. *Phase I Environmental Site Assessment; Witherly Lane Subdivision Project, Fremont, California*. December 16.

San Francisco Bay Regional Water Quality Control Board (Regional Water Board), 2019. *ESL Workbook*, January (Rev 2).

Duvergé, 2011. Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region, December.

FIGURES

Project Site Location

Figure 1



Legend

 Project Site

0 250 500 ft

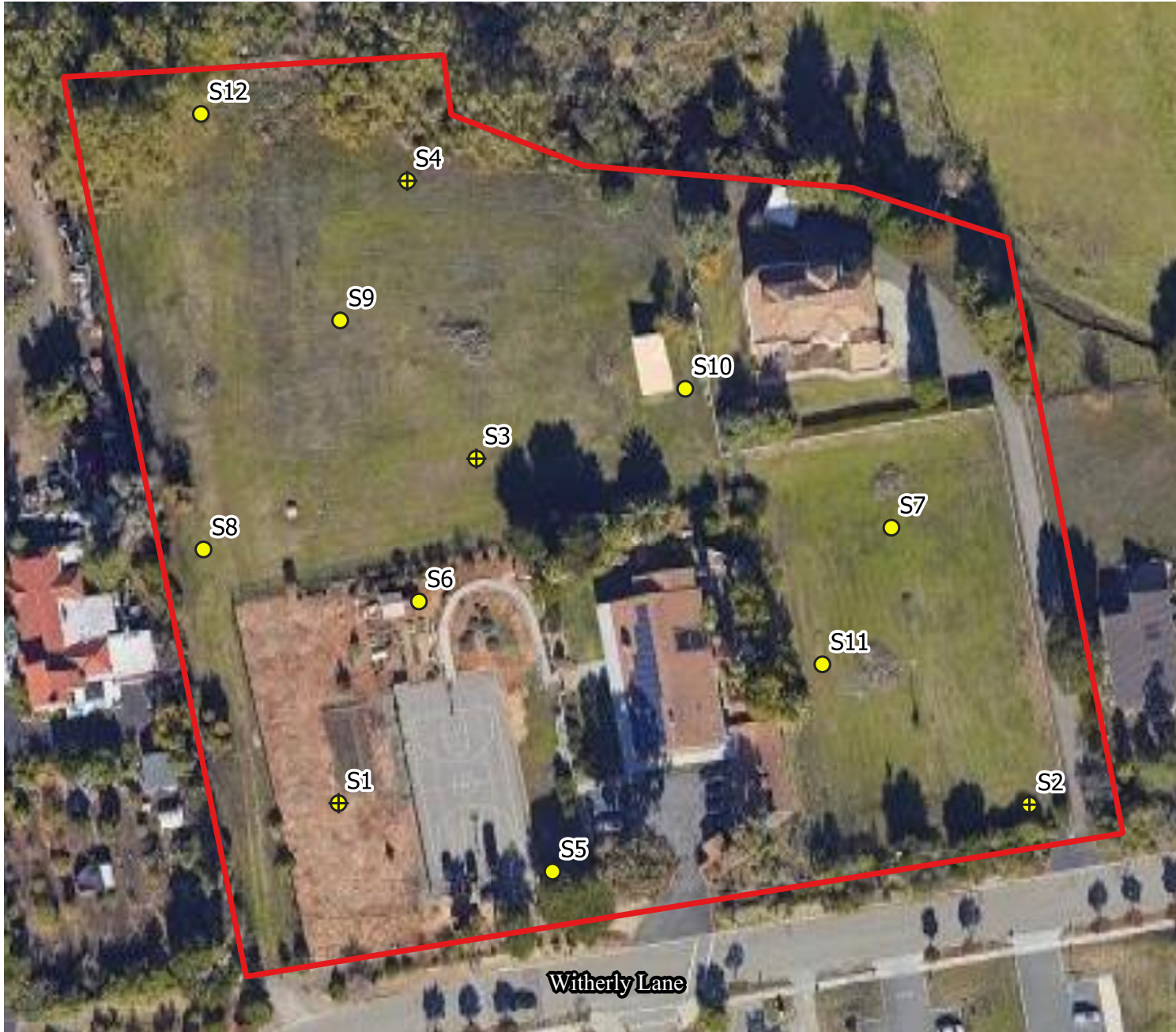


**Witherly Lane Subdivision Project
Fremont, California**






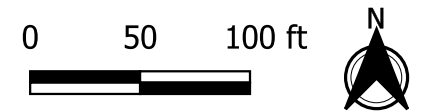
Sample Locations

Figure 2



Legend

-  Project Site
-  Boring - Composite and Discrete
-  Boring - Composite



Witherly Lane Subdivision Project
Fremont, California



TABLE

**Table 1: Shallow soil Analytical Results for OCPs and arsenic (mg/kg)
Witherly Lane Subdivision Project
Fremont, CA**

| Sample ID | Sample Type | Soil Samples which Comprise the Composite Sample and Discrete Sample | 4,4'-DDE | 4,4'-DDT | alpha-Chlordane | Arsenic |
|---|-------------|--|---------------|---------------|-------------------|------------|
| COMP-1 | Composite | S1, S5, S6 | <0.0026 | <0.0026 | <0.0013 | -- |
| COMP-2 | Composite | S2, S7, S11 | 0.0055 | <0.0028 | <0.0014 | -- |
| COMP-3 | Composite | S3, S8, S10 | 0.17 C | 0.0066 | 0.0024 C | -- |
| COMP-4 | Composite | S4, S9, S12 | <0.0029 | <0.0029 | <0.0014 | -- |
| DISC-S1 | Discrete | S1 | -- | -- | -- | 5.6 |
| DISC-S2 | Discrete | S2 | -- | -- | -- | 4.6 |
| DISC-S3 | Discrete | S3 | -- | -- | -- | 3.2 |
| DISC-S4 | Discrete | S4 | -- | -- | -- | 9.7 |
| Residential Land Use Direct Exposure ESL ¹ | | | 1.8 | 1.9 | 0.48 ² | 0.067 |
| Background level ³ | | | | | | 11 |

Notes:

See Figures 2 for sample locations.

The laboratory reports are included in Appendix A.

All samples were collected on April 12, 2020.

OCP = Organochlorine Pesticides analyzed by EPA method 8081A.

Arsenic analyzed by EPA methods 6010B.

Bold font indicates concentration above the laboratory reporting limit.

Only compounds detected above the laboratory reporting limit in at least one sample are summarized.

<## = compound not identified at or above the laboratory reporting limit of ##.

C= Presence confirmed, but relative percent difference between columns exceeds 40%.

-- = not analyzed

mg/kg = milligrams per kilogram.

EPA = Environmental Protection Agency.

¹ ESLs = Environmental Screening Levels, San Francisco Bay Regional Water Quality Control Board, January 24, 2019. Table S-1: Soil Direct Exposure Human Health Risk Screening Levels (mg/kg). Residential Land Use, Shallow Soil Exposure Scenario.

² The ESL for chlordane is used as there are no ESLs established for alpha-chlordane.

³ Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region, Dylan Duverge, December 2011.

APPENDIX A
LABORATORY REPORT



ENTHALPY
ANALYTICAL

Enthalpy Analytical
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900

enthalpy.com

Lab Job Number: 319248
Report Level: II
Report Date: 04/21/2020

Analytical Report *prepared for:*

William K Scott
Baseline Environmental
5900 Hollis Street
Suite D
Emeryville, CA 94608

Project: 19313-00 - 750 & 830 Witherly Lane, Fremont, CA

Authorized for release by:

Patrick McCarthy, Project Manager
(510) 204-2236 ext 13115
patrick.mccarthy@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 2896, NELAP# 4044-001

Sample Summary

| | | |
|--|----------------|--------------------------------------|
| William K Scott Baseline Environmental 5900 Hollis Street Suite D Emeryville, CA 94608 | Lab Job #: | 319248 |
| | Project No: | 19313-00 |
| | Location: | 750 & 830 Witherly Lane, Fremont, CA |
| | Date Received: | 04/07/20 |

| Sample ID | Lab ID | Collected | Matrix |
|-------------|------------|----------------|--------|
| S1;0.0-0.5 | 319248-001 | 04/07/20 09:00 | Soil |
| S5;0.0-0.5 | 319248-002 | 04/07/20 12:44 | Soil |
| S6;0.0-0.5 | 319248-003 | 04/07/20 12:35 | Soil |
| S2;0.0-0.5 | 319248-004 | 04/07/20 10:38 | Soil |
| S7;0.0-0.5 | 319248-005 | 04/07/20 11:11 | Soil |
| S11;0.0-0.5 | 319248-006 | 04/07/20 10:58 | Soil |
| S3;0.0-0.5 | 319248-007 | 04/07/20 10:06 | Soil |
| S8;0.0-0.5 | 319248-008 | 04/07/20 09:23 | Soil |
| S10;0.0-0.5 | 319248-009 | 04/07/20 11:55 | Soil |
| S4;0.0-0.5 | 319248-010 | 04/07/20 11:46 | Soil |
| S9;0.0-0.5 | 319248-011 | 04/07/20 10:02 | Soil |
| S12;0.0-0.5 | 319248-012 | 04/07/20 09:52 | Soil |
| S1;1.0-1.5 | 319248-013 | 04/07/20 09:14 | Soil |
| S5;1.0-1.5 | 319248-014 | 04/07/20 12:54 | Soil |
| S6;1.0-1.5 | 319248-015 | 04/07/20 12:38 | Soil |
| S2;1.0-1.5 | 319248-016 | 04/07/20 10:52 | Soil |
| S7;1.0-1.5 | 319248-017 | 04/07/20 11:25 | Soil |
| S11;1.0-1.5 | 319248-018 | 04/07/20 11:02 | Soil |
| S3;1.0-1.5 | 319248-019 | 04/07/20 12:10 | Soil |
| S8;1.0-1.5 | 319248-020 | 04/07/20 09:35 | Soil |
| S10;1.0-1.5 | 319248-021 | 04/07/20 12:00 | Soil |
| S4;1.0-1.5 | 319248-022 | 04/07/20 11:46 | Soil |
| S9;1.0-1.5 | 319248-023 | 04/07/20 10:07 | Soil |
| S12;1.0-1.5 | 319248-024 | 04/07/20 09:58 | Soil |
| COMP-01 | 319248-025 | 04/07/20 00:00 | Soil |
| COMP-02 | 319248-026 | 04/07/20 00:00 | Soil |
| COMP-03 | 319248-027 | 04/07/20 00:00 | Soil |
| COMP-04 | 319248-028 | 04/07/20 00:00 | Soil |

Case Narrative

Baseline Environmental
5900 Hollis Street
Suite D
Emeryville, CA 94608
William K Scott

Lab Job Number: 319248
Project No: 19313-00
Location: 750 & 830 Witherly Lane, Fremont, CA
Date Received: 04/07/20

This data package contains sample and QC results for four soil samples and four three-point soil composites, requested for the above referenced project on 04/07/20. The samples were received cold and intact.

Pesticides (EPA 8081A):

All samples underwent sulfur cleanup using the copper option in EPA Method 3660B. All samples underwent florisil cleanup using EPA Method 3620C. No analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

Moisture (ASTM D2216-98/CLP):

No analytical problems were encountered.

Detection Summary for 319248

Client: Baseline Environmental

Project: 19313-00

Location: 750 & 830 Witherly Lane, Fremont, CA

Sample ID: S1;0.0-0.5 Lab ID: 319248-001

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|-------------------|--------|-------|-----|-------|---------|-------|-------------------|-------------|
| Arsenic | 5.6 | | 1.6 | mg/Kg | Dry | 1.000 | EPA 6010B | EPA 3050B |
| Moisture, Percent | 8 | | 1 | % | As Recd | 1.000 | ASTM D2216-98/CLP | METHOD |

Sample ID: S2;0.0-0.5 Lab ID: 319248-004

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|-------------------|--------|-------|-----|-------|---------|-------|-------------------|-------------|
| Arsenic | 4.6 | | 1.9 | mg/Kg | Dry | 1.000 | EPA 6010B | EPA 3050B |
| Moisture, Percent | 19 | | 1 | % | As Recd | 1.000 | ASTM D2216-98/CLP | METHOD |

Sample ID: S3;0.0-0.5 Lab ID: 319248-007

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|-------------------|--------|-------|-----|-------|---------|-------|-------------------|-------------|
| Arsenic | 3.2 | | 1.6 | mg/Kg | Dry | 1.000 | EPA 6010B | EPA 3050B |
| Moisture, Percent | 15 | | 1 | % | As Recd | 1.000 | ASTM D2216-98/CLP | METHOD |

Sample ID: S4;0.0-0.5 Lab ID: 319248-010

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|-------------------|--------|-------|-----|-------|---------|-------|-------------------|-------------|
| Arsenic | 9.7 | | 1.9 | mg/Kg | Dry | 1.000 | EPA 6010B | EPA 3050B |
| Moisture, Percent | 30 | | 1 | % | As Recd | 1.000 | ASTM D2216-98/CLP | METHOD |

Sample ID: COMP-01 Lab ID: 319248-025

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|-------------------|--------|-------|----|-------|---------|-------|-------------------|-------------|
| Moisture, Percent | 15 | | 1 | % | As Recd | 1.000 | ASTM D2216-98/CLP | METHOD |

Sample ID: COMP-02 Lab ID: 319248-026

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|-------------------|--------|-------|-----|-------|---------|-------|-------------------|-------------|
| 4,4'-DDE | 5.5 | | 2.8 | ug/Kg | Dry | 1.000 | EPA 8081A | EPA 3546 |
| Moisture, Percent | 20 | | 1 | % | As Recd | 1.000 | ASTM D2216-98/CLP | METHOD |

Detection Summary for 319248

| | |
|--------------------|--------------------|
| Sample ID: COMP-03 | Lab ID: 319248-027 |
|--------------------|--------------------|

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|-------------------|--------|-------|-----|-------|---------|-------|-------------------|-------------|
| 4,4'-DDE | 170 | C | 27 | ug/Kg | Dry | 10.00 | EPA 8081A | EPA 3546 |
| 4,4'-DDT | 6.6 | | 2.7 | ug/Kg | Dry | 1.000 | EPA 8081A | EPA 3546 |
| alpha-Chlordane | 2.4 | C | 1.3 | ug/Kg | Dry | 1.000 | EPA 8081A | EPA 3546 |
| Moisture, Percent | 17 | | 1 | % | As Recd | 1.000 | ASTM D2216-98/CLP | METHOD |

| | |
|--------------------|--------------------|
| Sample ID: COMP-04 | Lab ID: 319248-028 |
|--------------------|--------------------|

| Analyte | Result | Flags | RL | Units | Basis | IDF | Method | Prep Method |
|-------------------|--------|-------|----|-------|---------|-------|-------------------|-------------|
| Moisture, Percent | 24 | | 1 | % | As Recd | 1.000 | ASTM D2216-98/CLP | METHOD |

C: Presence confirmed, but RPD between columns exceeds 40%

319248



CHAIN OF CUSTODY RECORD

5900 Hollis Street, Suite D
Emeryville, CA 94608
Tel: (510) 420-8686

Turn-Around-Time Normal
Laboratory Enthalpy
BASELINE Contact Person William Scott

| Project Number: 19313-00 | | Project Name: 750 & 830 Witherly Lane, Fremont, CA | | Container and Preservative | | | | | | | | | | | | | Analyses | | | | | | | | | | Remarks/ Composite |
|---------------------------------------|-------------|--|-------|---|-----------|-------------------|-------------------|-------|----------------------|--------------------------|-----------------------|-----|--------------------------|------------------|-------------------|---|----------------------------------|--------------------------------|-----------------------------------|-----------------|---------------------|---------|--------------------------------------|--|---------|--|--------------------|
| Lab ID | Sample ID | Date | Time | Media | Total No. | SS or Brass Liner | Glass Jar (16 oz) | Other | 40 mL VAOs with MeOH | 40 mL VAOs with DI Water | 250 mL Poly with HNO3 | Ice | TPH-g, d, mo (EPA 8015B) | VOCs (EPA 8260B) | SVOCs (EPA 8270C) | PAH's (8270SIM) | Trace 22 Metals (EPA 6010B/7000) | Hexavalent Chromium (EPA 7196) | Chlorinated Herbicides (EPA 8151) | PCBs (EPA 8082) | Asbestos (CARB 435) | Arsenic | Organochlorine Pesticides (EPA 8081) | | | | |
| 1 | S1;0.0-0.5 | 4/7/20 | 9:00 | Soil | 1 | X | | | | | | X | | | | | | | | | | | X | | COMP-01 | | |
| 2 | S5;0.0-0.5 | 4/7/20 | 12:44 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-01 | | |
| 3 | S6;0.0-0.5 | 4/7/20 | 12:35 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-01 | | |
| 4 | S2;0.0-0.5 | 4/7/20 | 10:30 | Soil | 1 | X | | | | | | X | | | | | | | | | | X | | | COMP-02 | | |
| 5 | S7;0.0-0.5 | 4/7/20 | 11:11 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-02 | | |
| 6 | S11;0.0-0.5 | 4/7/20 | 10:58 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-02 | | |
| 7 | S3;0.0-0.5 | 4/7/20 | 10:06 | Soil | 1 | X | | | | | | X | | | | | | | | | | X | | | COMP-03 | | |
| 8 | S8;0.0-0.5 | 4/7/20 | 9:23 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-03 | | |
| 9 | S10;0.0-0.5 | 4/7/20 | 11:55 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-03 | | |
| 10 | S4;0.0-0.5 | 4/7/20 | 11:46 | Soil | 1 | X | | | | | | X | | | | | | | | | | X | | | COMP-04 | | |
| 11 | S9;0.0-0.5 | 4/7/20 | 10:02 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-04 | | |
| 12 | S12;0.0-0.5 | 4/7/20 | 9:52 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-04 | | |
| 25 | COMP-01 | | | Soil | | | | | | | | | | | | | | | | | | | X | | | | |
| 26 | COMP-02 | | | Soil | | | | | | | | | | | | | | | | | | | X | | | | |
| 27 | COMP-03 | | | Soil | | | | | | | | | | | | | | | | | | | X | | | | |
| 28 | COMP-04 | | | Soil | | | | | | | | | | | | | | | | | | | X | | | | |
| Relinquished by: (Signature) | | | | Received by: (Signature) | | | | | | | | | | Date/Time | | Remarks: | | | | | | | | | | | |
| <i>William Scott</i> | | | | <i>Yilin</i> | | | | | | | | | | 4-7-20 2:05 | | 1:40 | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | Received by: (Signature) | | | | | | | | | | Date/Time | | Email contact: | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | Bill@baseline-env.com Yilin@baseline-env.com | | | | | | | | | | | |
| Received at laboratory intact: YES NO | | | | Comments: | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Report OCPs as dry weight, run moisture on Comp-Comp4 | | | | | | | | | | | | | | | | | | | | | | | |

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319248



CHAIN OF CUSTODY RECORD

5900 Hollis Street, Suite D
Emeryville, CA 94608
Tel: (510) 420-8686

Turn-Around-Time Normal
Laboratory Enthalpy
BASELINE Contact Person William Scott

| Project Number | | 19313-00 | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|-------------|--------------------------------------|-------|--|-----------|-------------------|-------------------|-------|----------------------|--------------------------|-----------------------|-----|--------------------------|------------------|-------------------|---|----------------------------------|--------------------------------|-----------------------------------|-----------------|---------------------|---------|--------------------------------------|--------------------|---------|
| Project Name: | | 750 & 830 Witherly Lane, Fremont, CA | | | | | | | | | | | | | | | | | | | | | | | |
| Samplers: (Signature) | | | | Container and Preservative | | | | | | | | | | Analyses | | | | | | | | | | Remarks/ Composite | |
| Lab ID | Sample ID | Date | Time | Media | Total No. | SS or Brass Liner | Glass Jar (16 oz) | Other | 40 mL VAOs with MeOH | 40 mL VAOs with DI Water | 250 mL Poly with HNO3 | Ice | TPH-g, d, mo (EPA 8015B) | VOCs (EPA 8260B) | SVOCs (EPA 8270C) | PAHs (8270SIM) | Title 22 Metals (EPA 6010B/7000) | Hexavalent Chromium (EPA 7196) | Chlorinated Herbicides (EPA 8151) | PCBs (EPA 8082) | Asbestos (CARB-435) | Arsenic | Organochlorine Pesticides (EPA 8081) | | |
| 13 | S1;1.0-1.5 | 4/7/20 | 9:14 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-05 |
| 14 | S5;1.0-1.5 | 4/7/20 | 12:54 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-05 |
| 15 | S6;1.0-1.5 | 4/7/20 | 12:38 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-05 |
| 16 | S2;1.0-1.5 | 4/7/20 | 10:52 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-06 |
| 17 | S7;1.0-1.5 | 4/7/20 | 11:25 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-06 |
| 18 | S11;1.0-1.5 | 4/7/20 | 11:02 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-06 |
| 19 | S3;1.0-1.5 | 4/7/20 | 12:10 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-07 |
| 20 | S8;1.0-1.5 | 4/7/20 | 4:35 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-07 |
| 21 | S10;1.0-1.5 | 4/7/20 | 12:00 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-07 |
| 22 | S4;1.0-1.5 | 4/7/20 | 11:46 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-08 |
| 23 | S9;1.0-1.5 | 4/7/20 | 10:07 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-08 |
| 24 | S12;1.0-1.5 | 4/7/20 | 9:58 | Soil | 1 | X | | | | | | X | | | | | | | | | | | | | COMP-08 |
| | COMP-05 | | | Soil | | | | | | | | | | | | | | | | | | | | | |
| | COMP-06 | | | Soil | | | | | | | | | | | | | | | | | | | | | |
| | COMP-07 | | | Soil | | | | | | | | | | | | | | | | | | | | | |
| | COMP-08 | | | Soil | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | Received by: (Signature) | | | | | | | | | | Date/Time | | Remarks: | | | | | | | | | |
| <i>William V. Scott</i> | | | | <i>Quintel...</i> | | | | | | | | | | 4-7-20 1405 | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | Received by: (Signature) | | | | | | | | | | Date/Time | | Email contact: | | | | | | | | | |
| | | | | | | | | | | | | | | | | Bill@baseline-env.com Yilin@baseline-env.com | | | | | | | | | |
| Relinquished by: (Signature) | | | | Received by: (Signature) | | | | | | | | | | Date/Time | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Received at laboratory intact: YES NO | | | | Comments: Report OCPs as dry weight, run moisture for Comp 5 to 8 | | | | | | | | | | | | | | | | | | | | | |

SAMPLE RECEIPT CHECKLIST



Section 1: Login # 319248 Client: Baseline
 Date Received: 4/7/20 Project: _____

Section 2: Shipping info (if applicable) _____
 Are custody seals present? No, or Yes. If yes, where? on cooler, on samples, on package
 Date: _____ How many _____ Signature, Initials, None
 Were custody seals intact upon arrival? Yes No N/A
 Samples received in a cooler? Yes, how many? 1 No (skip Section 3 below)
 If no cooler Sample Temp (°C): _____ using IR Gun # B, or C
 Samples received on ice directly from the field. Cooling process had begun
 If in cooler: Date Opened 4/7/20 By (print): Bri (sign) Bri

Section 3: Important : Notify PM if temperature exceeds 6°C or arrive frozen.

Packing in cooler: (if other, describe) _____
 Bubble Wrap, Foam blocks, Bags, None, Cloth material, Cardboard, Styrofoam, Paper towels
 Samples received on ice directly from the field. Cooling process had begun
 Type of ice used : Wet, Blue/Gel, None Temperature blank(s) included? Yes, No
 Temperature measured using Thermometer ID: _____, or IR Gun # B C
 Cooler Temp (°C): #1: 17.9, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

| Section 4: | YES | NO | N/A |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| Were custody papers dry, filled out properly, and the project identifiable | <input checked="" type="checkbox"/> | | |
| Were Method 5035 sampling containers present? | | <input checked="" type="checkbox"/> | |
| If YES, what time were they transferred to freezer? _____ | | | |
| Did all bottles arrive unbroken/unopened? | <input checked="" type="checkbox"/> | | |
| Are there any missing / extra samples? | | <input checked="" type="checkbox"/> | |
| Are samples in the appropriate containers for indicated tests? | <input checked="" type="checkbox"/> | | |
| Are sample labels present, in good condition and complete? | <input checked="" type="checkbox"/> | | |
| Does the container count match the COC? | <input checked="" type="checkbox"/> | | |
| Do the sample labels agree with custody papers? | <input checked="" type="checkbox"/> | | |
| Was sufficient amount of sample sent for tests requested? | <input checked="" type="checkbox"/> | | |
| Did you change the hold time in LIMS for unpreserved VOAs? | | | <input checked="" type="checkbox"/> |
| Did you change the hold time in LIMS for preserved terracores? | | | <input checked="" type="checkbox"/> |
| Are bubbles > 6mm present in VOA samples? | | | <input checked="" type="checkbox"/> |
| Was the client contacted concerning this sample delivery? | | <input checked="" type="checkbox"/> | |
| If YES, who was called? _____ By _____ Date: _____ | | | |

Section 5:
 Are the samples appropriately preserved? (if N/A, skip the rest of section 5) N/A
 Did you check preservatives for all bottles for each sample?
 Did you document your preservative check?
 pH strip lot# _____, pH strip lot# _____, pH strip lot# _____
 Preservative added:
 H2SO4 lot# _____ added to samples _____ on/at _____
 HCL lot# _____ added to samples _____ on/at _____
 HNO3 lot# _____ added to samples _____ on/at _____
 NaOH lot# _____ added to samples _____ on/at _____

Section 6:
 Explanations/Comments: _____

Date Logged in 4/7/20 By (print) ZA (sign) _____
 Date Labeled 4/7/20 By (print) ZA (sign) _____

Organochlorine Pesticides

Lab #: 319248

Project#: 19313-00

Client: Baseline Environmental

Location: 750 & 830 Witherly Lane, Fremont, CA

Field ID: COMP-01

Diln Fac: 1.000

Analyzed: 04/14/20

Lab ID: 319248-025

Batch#: 279785

Prep: EPA 3546

Matrix: Soil

Sampled: 04/07/20

Cleanup Method: EPA 3620

Basis: dry

Received: 04/07/20

Analysis: EPA 8081A

Moisture: 15%

Prepared: 04/09/20

| Analyte | Result | RL | Units |
|--------------------|--------|-----|-------|
| alpha-BHC | ND | 1.3 | ug/Kg |
| beta-BHC | ND | 1.3 | ug/Kg |
| gamma-BHC | ND | 1.3 | ug/Kg |
| delta-BHC | ND | 1.3 | ug/Kg |
| Heptachlor | ND | 1.3 | ug/Kg |
| Aldrin | ND | 1.3 | ug/Kg |
| Heptachlor epoxide | ND | 1.3 | ug/Kg |
| Endosulfan I | ND | 1.3 | ug/Kg |
| Dieldrin | ND | 2.6 | ug/Kg |
| 4,4'-DDE | ND | 2.6 | ug/Kg |
| Endrin | ND | 2.6 | ug/Kg |
| Endosulfan II | ND | 2.6 | ug/Kg |
| Endosulfan sulfate | ND | 2.6 | ug/Kg |
| 4,4'-DDD | ND | 2.6 | ug/Kg |
| Endrin aldehyde | ND | 2.6 | ug/Kg |
| 4,4'-DDT | ND | 2.6 | ug/Kg |
| alpha-Chlordane | ND | 1.3 | ug/Kg |
| gamma-Chlordane | ND | 1.3 | ug/Kg |
| Methoxychlor | ND | 20 | ug/Kg |
| Toxaphene | ND | 47 | ug/Kg |

| Surrogate | %REC | Limits |
|--------------------|------|--------|
| TCMX | 64 | 49-122 |
| Decachlorobiphenyl | 67 | 29-135 |

Legend

ND: Not Detected

RL: Reporting Limit

Organochlorine Pesticides

| | | |
|---------------------------------------|---|---------------------------------|
| Lab #: 319248 | Project#: 19313-00 | |
| Client: Baseline Environmental | Location: 750 & 830 Witherly Lane, Fremont, CA | |
| Field ID: COMP-02 | Diln Fac: 1.000 | Analyzed: 04/14/20 |
| Lab ID: 319248-026 | Batch#: 279785 | Prep: EPA 3546 |
| Matrix: Soil | Sampled: 04/07/20 | Cleanup Method: EPA 3620 |
| Basis: dry | Received: 04/07/20 | Analysis: EPA 8081A |
| Moisture: 20% | Prepared: 04/09/20 | |

| Analyte | Result | RL | Units |
|--------------------|------------|-----|-------|
| alpha-BHC | ND | 1.4 | ug/Kg |
| beta-BHC | ND | 1.4 | ug/Kg |
| gamma-BHC | ND | 1.4 | ug/Kg |
| delta-BHC | ND | 1.4 | ug/Kg |
| Heptachlor | ND | 1.4 | ug/Kg |
| Aldrin | ND | 1.4 | ug/Kg |
| Heptachlor epoxide | ND | 1.4 | ug/Kg |
| Endosulfan I | ND | 1.4 | ug/Kg |
| Dieldrin | ND | 2.8 | ug/Kg |
| 4,4'-DDE | 5.5 | 2.8 | ug/Kg |
| Endrin | ND | 2.8 | ug/Kg |
| Endosulfan II | ND | 2.8 | ug/Kg |
| Endosulfan sulfate | ND | 2.8 | ug/Kg |
| 4,4'-DDD | ND | 2.8 | ug/Kg |
| Endrin aldehyde | ND | 2.8 | ug/Kg |
| 4,4'-DDT | ND | 2.8 | ug/Kg |
| alpha-Chlordane | ND | 1.4 | ug/Kg |
| gamma-Chlordane | ND | 1.4 | ug/Kg |
| Methoxychlor | ND | 22 | ug/Kg |
| Toxaphene | ND | 51 | ug/Kg |

| Surrogate | %REC | Limits |
|--------------------|------|--------|
| TCMX | 71 | 49-122 |
| Decachlorobiphenyl | 60 | 29-135 |

Legend
ND: Not Detected
RL: Reporting Limit

Organochlorine Pesticides

| | | |
|---------------------------------------|---|---------------------------------|
| Lab #: 319248 | Project#: 19313-00 | |
| Client: Baseline Environmental | Location: 750 & 830 Witherly Lane, Fremont, CA | |
| Field ID: COMP-03 | Moisture: 17% | Prepared: 04/09/20 |
| Lab ID: 319248-027 | Batch#: 279785 | Prep: EPA 3546 |
| Matrix: Soil | Sampled: 04/07/20 | Cleanup Method: EPA 3620 |
| Basis: dry | Received: 04/07/20 | Analysis: EPA 8081A |

| Analyte | Result | RL | Units | Diln Fac | Analyzed | Qual |
|------------------------|------------|------------|--------------|--------------|-----------------|----------|
| alpha-BHC | ND | 1.3 | ug/Kg | 1.000 | 04/14/20 | |
| beta-BHC | ND | 1.3 | ug/Kg | 1.000 | 04/14/20 | |
| gamma-BHC | ND | 1.3 | ug/Kg | 1.000 | 04/14/20 | |
| delta-BHC | ND | 1.3 | ug/Kg | 1.000 | 04/14/20 | |
| Heptachlor | ND | 1.3 | ug/Kg | 1.000 | 04/14/20 | |
| Aldrin | ND | 1.3 | ug/Kg | 1.000 | 04/14/20 | |
| Heptachlor epoxide | ND | 1.3 | ug/Kg | 1.000 | 04/14/20 | |
| Endosulfan I | ND | 1.3 | ug/Kg | 1.000 | 04/14/20 | |
| Dieldrin | ND | 2.7 | ug/Kg | 1.000 | 04/14/20 | |
| 4,4'-DDE | 170 | 27 | ug/Kg | 10.00 | 04/16/20 | C |
| Endrin | ND | 2.7 | ug/Kg | 1.000 | 04/14/20 | |
| Endosulfan II | ND | 2.7 | ug/Kg | 1.000 | 04/14/20 | |
| Endosulfan sulfate | ND | 2.7 | ug/Kg | 1.000 | 04/14/20 | |
| 4,4'-DDD | ND | 2.7 | ug/Kg | 1.000 | 04/14/20 | |
| Endrin aldehyde | ND | 2.7 | ug/Kg | 1.000 | 04/14/20 | |
| 4,4'-DDT | 6.6 | 2.7 | ug/Kg | 1.000 | 04/14/20 | |
| alpha-Chlordane | 2.4 | 1.3 | ug/Kg | 1.000 | 04/14/20 | C |
| gamma-Chlordane | ND | 1.3 | ug/Kg | 1.000 | 04/14/20 | |
| Methoxychlor | ND | 20 | ug/Kg | 1.000 | 04/14/20 | |
| Toxaphene | ND | 48 | ug/Kg | 1.000 | 04/14/20 | |

| Surrogate | %REC | Limits | Diln Fac | Analyzed |
|--------------------|------|--------|----------|----------|
| TCMX | 54 | 49-122 | 1.000 | 04/14/20 |
| Decachlorobiphenyl | 57 | 29-135 | 1.000 | 04/14/20 |

Legend

- C:** Presence confirmed, but RPD between columns exceeds 40%
- ND:** Not Detected
- RL:** Reporting Limit

Organochlorine Pesticides

Lab #: 319248

Project#: 19313-00

Client: Baseline Environmental

Location: 750 & 830 Witherly Lane, Fremont, CA

Field ID: COMP-04

Diln Fac: 1.000

Analyzed: 04/14/20

Lab ID: 319248-028

Batch#: 279785

Prep: EPA 3546

Matrix: Soil

Sampled: 04/07/20

Cleanup Method: EPA 3620

Basis: dry

Received: 04/07/20

Analysis: EPA 8081A

Moisture: 24%

Prepared: 04/09/20

| Analyte | Result | RL | Units |
|--------------------|--------|-----|-------|
| alpha-BHC | ND | 1.4 | ug/Kg |
| beta-BHC | ND | 1.4 | ug/Kg |
| gamma-BHC | ND | 1.4 | ug/Kg |
| delta-BHC | ND | 1.4 | ug/Kg |
| Heptachlor | ND | 1.4 | ug/Kg |
| Aldrin | ND | 1.4 | ug/Kg |
| Heptachlor epoxide | ND | 1.4 | ug/Kg |
| Endosulfan I | ND | 1.4 | ug/Kg |
| Dieldrin | ND | 2.9 | ug/Kg |
| 4,4'-DDE | ND | 2.9 | ug/Kg |
| Endrin | ND | 2.9 | ug/Kg |
| Endosulfan II | ND | 2.9 | ug/Kg |
| Endosulfan sulfate | ND | 2.9 | ug/Kg |
| 4,4'-DDD | ND | 2.9 | ug/Kg |
| Endrin aldehyde | ND | 2.9 | ug/Kg |
| 4,4'-DDT | ND | 2.9 | ug/Kg |
| alpha-Chlordane | ND | 1.4 | ug/Kg |
| gamma-Chlordane | ND | 1.4 | ug/Kg |
| Methoxychlor | ND | 22 | ug/Kg |
| Toxaphene | ND | 52 | ug/Kg |

| Surrogate | %REC | Limits |
|--------------------|------|--------|
| TCMX | 54 | 49-122 |
| Decachlorobiphenyl | 58 | 29-135 |

Legend

ND: Not Detected

RL: Reporting Limit

Organochlorine Pesticides: Batch QC

Lab #: 319248

Project#: 19313-00

Client: Baseline Environmental

Location: 750 & 830 Witherly Lane, Fremont, CA

Type: BLANK

Batch#: 279785

Cleanup Method: EPA 3620

Lab ID: QC1014417

Prepared: 04/09/20

Analysis: EPA 8081A

Matrix: Soil

Analyzed: 04/13/20

DiIn Fac: 1.000

Prep: EPA 3546

| Analyte | Result | RL | Units |
|--------------------|--------|-----|-------|
| alpha-BHC | ND | 1.1 | ug/Kg |
| beta-BHC | ND | 1.1 | ug/Kg |
| gamma-BHC | ND | 1.1 | ug/Kg |
| delta-BHC | ND | 1.1 | ug/Kg |
| Heptachlor | ND | 1.1 | ug/Kg |
| Aldrin | ND | 1.1 | ug/Kg |
| Heptachlor epoxide | ND | 1.1 | ug/Kg |
| Endosulfan I | ND | 1.1 | ug/Kg |
| Dieldrin | ND | 2.2 | ug/Kg |
| 4,4'-DDE | ND | 2.2 | ug/Kg |
| Endrin | ND | 2.2 | ug/Kg |
| Endosulfan II | ND | 2.2 | ug/Kg |
| Endosulfan sulfate | ND | 2.2 | ug/Kg |
| 4,4'-DDD | ND | 2.2 | ug/Kg |
| Endrin aldehyde | ND | 2.2 | ug/Kg |
| 4,4'-DDT | ND | 2.2 | ug/Kg |
| alpha-Chlordane | ND | 1.1 | ug/Kg |
| gamma-Chlordane | ND | 1.1 | ug/Kg |
| Methoxychlor | ND | 17 | ug/Kg |
| Toxaphene | ND | 40 | ug/Kg |

| Surrogate | %REC | Limits |
|--------------------|------|--------|
| TCMX | 81 | 49-122 |
| Decachlorobiphenyl | 86 | 29-135 |

Legend

ND: Not Detected

RL: Reporting Limit

Organochlorine Pesticides: Batch QC

Lab #: 319248

Project#: 19313-00

Client: Baseline Environmental

Location: 750 & 830 Witherly Lane, Fremont, CA

Type: LCS

Batch#: 279785

Cleanup Method: EPA 3620

Lab ID: QC1014421

Prepared: 04/09/20

Analysis: EPA 8081A

Matrix: Soil

Analyzed: 04/13/20

Diln Fac: 1.000

Prep: EPA 3546

| Analyte | Spiked | Result | %REC | Limits | Units |
|------------|--------|--------|------|--------|-------|
| gamma-BHC | 13.33 | 12.86 | 96 | 54-131 | ug/Kg |
| Heptachlor | 13.33 | 12.93 | 97 | 55-139 | ug/Kg |
| Aldrin | 13.33 | 13.19 | 99 | 56-128 | ug/Kg |
| Dieldrin | 13.33 | 12.69 | 95 | 54-129 | ug/Kg |
| Endrin | 13.33 | 12.28 | 92 | 53-144 | ug/Kg |
| 4,4'-DDT | 13.33 | 12.92 | 97 | 38-156 | ug/Kg |

| Surrogate | %REC | Limits |
|--------------------|------|--------|
| TCMX | 86 | 49-122 |
| Decachlorobiphenyl | 86 | 29-135 |

Organochlorine Pesticides: Batch QC

Lab #: 319248

Project#: 19313-00

Client: Baseline Environmental

Location: 750 & 830 Witherly Lane, Fremont, CA

Field ID: ZZZZZZZZZZ

Basis: as received

Prepared: 04/09/20

Type: MS

DiIn Fac: 1.000

Analyzed: 04/13/20

MSS Lab ID: 319275-001

Batch#: 279785

Prep: EPA 3546

Lab ID: QC1014422

Sampled: 04/08/20

Cleanup Method: EPA 3620

Matrix: Soil

Received: 04/08/20

Analysis: EPA 8081A

| Analyte | MSS Result | Spiked | Result | %REC | Limits | Units |
|------------|------------|--------|--------|------|--------|-------|
| gamma-BHC | <0.08093 | 13.41 | 11.36 | 85 | 52-121 | ug/Kg |
| Heptachlor | <0.07995 | 13.41 | 11.11 | 83 | 56-127 | ug/Kg |
| Aldrin | 0.08938 | 13.41 | 11.16 | 83 | 53-120 | ug/Kg |
| Dieldrin | 1.038 | 13.41 | 11.79 | 80 | 44-127 | ug/Kg |
| Endrin | 0.1346 | 13.41 | 12.33 | 91 | 47-137 | ug/Kg |
| 4,4'-DDT | 6.571 | 13.41 | 18.24 | 87 | 28-153 | ug/Kg |

| Surrogate | %REC | Limits |
|--------------------|------|--------|
| TCMX | 69 | 49-122 |
| Decachlorobiphenyl | 78 | 29-135 |

Field ID: ZZZZZZZZZZ

Basis: as received

Prepared: 04/09/20

Type: MSD

DiIn Fac: 1.000

Analyzed: 04/13/20

MSS Lab ID: 319275-001

Batch#: 279785

Prep: EPA 3546

Lab ID: QC1014423

Sampled: 04/08/20

Cleanup Method: EPA 3620

Matrix: Soil

Received: 04/08/20

Analysis: EPA 8081A

| Analyte | Spiked | Result | %REC | Limits | Units | RPD | Lim |
|------------|--------|--------|------|--------|-------|-----|-----|
| gamma-BHC | 13.29 | 10.26 | 77 | 52-121 | ug/Kg | 9 | 39 |
| Heptachlor | 13.29 | 10.18 | 77 | 56-127 | ug/Kg | 8 | 38 |
| Aldrin | 13.29 | 9.950 | 74 | 53-120 | ug/Kg | 11 | 41 |
| Dieldrin | 13.29 | 11.00 | 75 | 44-127 | ug/Kg | 6 | 51 |
| Endrin | 13.29 | 10.80 | 80 | 47-137 | ug/Kg | 12 | 42 |
| 4,4'-DDT | 13.29 | 16.85 | 77 | 28-153 | ug/Kg | 7 | 53 |

| Surrogate | %REC | Limits |
|--------------------|------|--------|
| TCMX | 63 | 49-122 |
| Decachlorobiphenyl | 74 | 29-135 |

Legend

RPD: Relative Percent Difference

Arsenic

| | | |
|---------------------------------------|---|----------------------------|
| Lab #: 319248 | Project#: 19313-00 | |
| Client: Baseline Environmental | Location: 750 & 830 Witherly Lane, Fremont, CA | |
| Field ID: S1;0.0-0.5 | Moisture: 8% | Prepared: 04/20/20 |
| Type: SAMPLE | Diln Fac: 1.000 | Analyzed: 04/20/20 |
| Lab ID: 319248-001 | Batch#: 279934 | Prep: EPA 3050B |
| Matrix: Soil | Sampled: 04/07/20 | Analysis: EPA 6010B |
| Basis: dry | Received: 04/07/20 | |

| Analyte | Result | RL | Units |
|---------|--------|-----|-------|
| Arsenic | 5.6 | 1.6 | mg/Kg |

| | | |
|-----------------------------|----------------------------|--|
| Field ID: S2;0.0-0.5 | Moisture: 19% | |
| Type: SAMPLE | Diln Fac: 1.000 | |
| Lab ID: 319248-004 | Batch#: 279934 | |
| Matrix: Soil | Sampled: 04/07/20 | |
| Basis: dry | Received: 04/07/20 | |
| | Prepared: 04/20/20 | |
| | Analyzed: 04/20/20 | |
| | Prep: EPA 3050B | |
| | Analysis: EPA 6010B | |

| Analyte | Result | RL | Units |
|---------|--------|-----|-------|
| Arsenic | 4.6 | 1.9 | mg/Kg |

| | | |
|-----------------------------|----------------------------|--|
| Field ID: S3;0.0-0.5 | Moisture: 15% | |
| Type: SAMPLE | Diln Fac: 1.000 | |
| Lab ID: 319248-007 | Batch#: 279934 | |
| Matrix: Soil | Sampled: 04/07/20 | |
| Basis: dry | Received: 04/07/20 | |
| | Prepared: 04/20/20 | |
| | Analyzed: 04/20/20 | |
| | Prep: EPA 3050B | |
| | Analysis: EPA 6010B | |

| Analyte | Result | RL | Units |
|---------|--------|-----|-------|
| Arsenic | 3.2 | 1.6 | mg/Kg |

| | | |
|-----------------------------|----------------------------|--|
| Field ID: S4;0.0-0.5 | Moisture: 30% | |
| Type: SAMPLE | Diln Fac: 1.000 | |
| Lab ID: 319248-010 | Batch#: 279934 | |
| Matrix: Soil | Sampled: 04/07/20 | |
| Basis: dry | Received: 04/07/20 | |
| | Prepared: 04/20/20 | |
| | Analyzed: 04/20/20 | |
| | Prep: EPA 3050B | |
| | Analysis: EPA 6010B | |

| Analyte | Result | RL | Units |
|---------|--------|-----|-------|
| Arsenic | 9.7 | 1.9 | mg/Kg |

| | | |
|--------------------------|----------------------------|--|
| Type: BLANK | Diln Fac: 1.000 | |
| Lab ID: QC1015014 | Batch#: 279934 | |
| Matrix: Miscell. | Prepared: 04/20/20 | |
| | Analyzed: 04/20/20 | |
| | Prep: EPA 3050B | |
| | Analysis: EPA 6010B | |

| Analyte | Result | RL | Units |
|---------|--------|-----|-------|
| Arsenic | ND | 1.4 | mg/Kg |

Legend
 ND: Not Detected
 RL: Reporting Limit

Arsenic: Batch QC

Lab #: 319248

Project#: 19313-00

Client: Baseline Environmental

Location: 750 & 830 Witherly Lane, Fremont, CA

Type: BS

DiIn Fac: 1.000

Analyzed: 04/20/20

Lab ID: QC1015015

Batch#: 279934

Prep: EPA 3050B

Matrix: Miscell.

Prepared: 04/20/20

Analysis: EPA 6010B

| Analyte | Spiked | Result | %REC | Limits | Units |
|---------|--------|--------|------|--------|-------|
| Arsenic | 46.73 | 49.41 | 106 | 80-120 | mg/Kg |

Type: BSD

DiIn Fac: 1.000

Analyzed: 04/20/20

Lab ID: QC1015016

Batch#: 279934

Prep: EPA 3050B

Matrix: Miscell.

Prepared: 04/20/20

Analysis: EPA 6010B

| Analyte | Spiked | Result | %REC | Limits | Units | RPD | Lim |
|---------|--------|--------|------|--------|-------|-----|-----|
| Arsenic | 46.30 | 48.19 | 104 | 80-120 | mg/Kg | 2 | 20 |

Field ID: ZZZZZZZZZZ

Basis: as received

Prepared: 04/20/20

Type: MS

DiIn Fac: 1.000

Analyzed: 04/20/20

MSS Lab ID: 319339-004

Batch#: 279934

Prep: EPA 3050B

Lab ID: QC1015019

Sampled: 04/13/20

Analysis: EPA 6010B

Matrix: Soil

Received: 04/14/20

| Analyte | MSS Result | Spiked | Result | %REC | Limits | Units |
|---------|------------|--------|--------|------|--------|-------|
| Arsenic | 3.187 | 51.02 | 57.29 | 106 | 80-120 | mg/Kg |

Field ID: ZZZZZZZZZZ

Basis: as received

Prepared: 04/20/20

Type: MSD

DiIn Fac: 1.000

Analyzed: 04/20/20

MSS Lab ID: 319339-004

Batch#: 279934

Prep: EPA 3050B

Lab ID: QC1015020

Sampled: 04/13/20

Analysis: EPA 6010B

Matrix: Soil

Received: 04/14/20

| Analyte | Spiked | Result | %REC | Limits | Units | RPD | Lim |
|---------|--------|--------|------|--------|-------|-----|-----|
| Arsenic | 50.51 | 55.93 | 104 | 80-120 | mg/Kg | 1 | 20 |

Legend

RPD: Relative Percent Difference

Moisture

| | | |
|---------------------------------------|---|------------------------------------|
| Lab #: 319248 | Project#: 19313-00 | |
| Client: Baseline Environmental | Location: 750 & 830 Witherly Lane, Fremont, CA | |
| Field ID: S1;0.0-0.5 | Batch#: 279846 | Prep: METHOD |
| Lab ID: 319248-001 | Sampled: 04/07/20 | Analysis: ASTM D2216-98/CLP |
| Matrix: Soil | Received: 04/07/20 | |
| Diln Fac: 1.000 | Analyzed: 04/14/20 | |

| Analyte | Result | RL | Units |
|-------------------|--------|----|-------|
| Moisture, Percent | 8 | 1 | % |

| | | |
|-----------------------------|------------------------------------|--|
| Field ID: S2;0.0-0.5 | Batch#: 279846 | |
| Lab ID: 319248-004 | Sampled: 04/07/20 | |
| Matrix: Soil | Received: 04/07/20 | |
| Diln Fac: 1.000 | Analyzed: 04/14/20 | |
| | Prep: METHOD | |
| | Analysis: ASTM D2216-98/CLP | |

| Analyte | Result | RL | Units |
|-------------------|--------|----|-------|
| Moisture, Percent | 19 | 1 | % |

| | | |
|-----------------------------|------------------------------------|--|
| Field ID: S3;0.0-0.5 | Batch#: 279846 | |
| Lab ID: 319248-007 | Sampled: 04/07/20 | |
| Matrix: Soil | Received: 04/07/20 | |
| Diln Fac: 1.000 | Analyzed: 04/14/20 | |
| | Prep: METHOD | |
| | Analysis: ASTM D2216-98/CLP | |

| Analyte | Result | RL | Units |
|-------------------|--------|----|-------|
| Moisture, Percent | 15 | 1 | % |

| | | |
|-----------------------------|------------------------------------|--|
| Field ID: S4;0.0-0.5 | Batch#: 279846 | |
| Lab ID: 319248-010 | Sampled: 04/07/20 | |
| Matrix: Soil | Received: 04/07/20 | |
| Diln Fac: 1.000 | Analyzed: 04/14/20 | |
| | Prep: METHOD | |
| | Analysis: ASTM D2216-98/CLP | |

| Analyte | Result | RL | Units |
|-------------------|--------|----|-------|
| Moisture, Percent | 30 | 1 | % |

| | | |
|---------------------------|------------------------------------|--|
| Field ID: COMP-01 | Batch#: 279846 | |
| Lab ID: 319248-025 | Sampled: 04/07/20 | |
| Matrix: Soil | Received: 04/07/20 | |
| Diln Fac: 1.000 | Analyzed: 04/14/20 | |
| | Prep: METHOD | |
| | Analysis: ASTM D2216-98/CLP | |

| Analyte | Result | RL | Units |
|-------------------|--------|----|-------|
| Moisture, Percent | 15 | 1 | % |

| | | |
|---------------------------|------------------------------------|--|
| Field ID: COMP-02 | Batch#: 279846 | |
| Lab ID: 319248-026 | Sampled: 04/07/20 | |
| Matrix: Soil | Received: 04/07/20 | |
| Diln Fac: 1.000 | Analyzed: 04/14/20 | |
| | Prep: METHOD | |
| | Analysis: ASTM D2216-98/CLP | |

| Analyte | Result | RL | Units |
|-------------------|--------|----|-------|
| Moisture, Percent | 20 | 1 | % |

Moisture

Lab #: 319248

Project#: 19313-00

Client: Baseline Environmental

Location: 750 & 830 Witherly Lane, Fremont, CA

Field ID: COMP-03

Batch#: 279846

Prep: METHOD

Lab ID: 319248-027

Sampled: 04/07/20

Analysis: ASTM D2216-98/CLP

Matrix: Soil

Received: 04/07/20

Diln Fac: 1.000

Analyzed: 04/14/20

| Analyte | Result | RL | Units |
|--------------------------|-----------|----------|----------|
| Moisture, Percent | 17 | 1 | % |

Field ID: COMP-04

Batch#: 279846

Prep: METHOD

Lab ID: 319248-028

Sampled: 04/07/20

Analysis: ASTM D2216-98/CLP

Matrix: Soil

Received: 04/07/20

Diln Fac: 1.000

Analyzed: 04/14/20

| Analyte | Result | RL | Units |
|--------------------------|-----------|----------|----------|
| Moisture, Percent | 24 | 1 | % |

Legend

RL: Reporting Limit

Moisture: Batch QC

| | | |
|---------------------------------------|---|------------------------------------|
| Lab #: 319248 | Project#: 19313-00 | |
| Client: Baseline Environmental | Location: 750 & 830 Witherly Lane, Fremont, CA | |
| Field ID: ZZZZZZZZZZ | Matrix: Soil | Received: 04/10/20 |
| Type: SDUP | Diln Fac: 1.000 | Analyzed: 04/14/20 |
| MSS Lab ID: 319315-004 | Batch#: 279846 | Prep: METHOD |
| Lab ID: QC1014686 | Sampled: 04/10/20 | Analysis: ASTM D2216-98/CLP |

| Analyte | MSS Result | Result | RL | Units | RPD | Lim |
|-------------------|------------|--------|-------|-------|-----|-----|
| Moisture, Percent | 15.17 | 14.97 | 1.000 | % | 1 | 26 |

Legend

RL: Reporting Limit

RPD: Relative Percent Difference