PCB SOIL INVESTIGATION REPORT

CLOW VALVE COMPANY
1375 MAGNOLIA AVENUE
CORONA, CALIFORNIA

PREPARED FOR:

CLOW VALVE COMPANY
1375 MAGNOLIA AVENUE
CORONA, CALIFORNIA 92879

PREPARED BY:

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1100 TOWN & COUNTRY ROAD
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EARTHCON PROJECT NUMBER. 04.20150013.19

OCTOBER 29, 2021

Certification:

PCB Soil Investigation Report

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Corona, California

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October 29, 2021

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Signed:

Rebecca Sundilson
Senior Scientist

Jeff Bennett, PG 6027, CHG 400
Principal Hydrogeologist

Contents

1.0 INTRODUCTION

Clow Valve Company (Clow), a Division of McWane, contracted EarthCon Consultants CA, Inc. (EarthCon) to prepare this PCB Soil Investigation Report (Report) for the facility located at 1375 Magnolia Avenue in Corona, California (Site; see Figure 1 and Figure 2). During the implementation of the Department of Toxic Substances Control (DTSC) approved *Corrective Measures Implementation Workplan* (CMIWP), elevated PCB concentrations were reported during the characterization sampling of the soil stockpiles. These PCB concentrations were associated with areas containing foundry sand that were identified as "hot spots" because they contained lead levels over 1,000 mg/kg. Foundry sand from "hot spot" areas in the northern parking lot and Area of Concern 1 (AOC1) was excavated and subsequently stockpiled for characterization. Sample results from the stockpile associated with the former SW3 sample location exhibited elevated total PCB concentrations that were reported as high as 280 mg/kg. Subsequent analysis of the remaining stockpiles from the CMIWP implementation reported total PCB concentrations ranging from 11 mg/kg to 29 mg/kg.

Due to potential future Site redevelopment activities, McWane contacted the United States Environmental Protection Agency (USEPA) to discuss the necessity for conducting a PCB soil investigation at the Site to understand the distribution of the PCB concentrations and their relationship to the foundry sand. As a result of the discussions with the USEPA during a conference call on September 29, 2021, the soil investigation program described in this document was developed.

The following sections provide a summary of the soil investigation activities and the associated results.

2.0 SOIL INVESTIGATION ACTIVITIES

As noted previously, representatives from EarthCon, McWane, and Anaco participated in a conference call with the USEPA on September 29, 2021. During the conference call, the information discussed included historical Site operations, examples of materials encountered in the subsurface during implementation of the CMIWP, and identification of the proposed sample locations. The purpose of the soil investigation was to identify the extent of foundry sand as well as the range of PCB concentrations on-Site in order to facilitate planning for potential redevelopment activities in light of the requirements of 40 CFR 761. Therefore, after input was received from the USEPA, a revised soil sample location map was subsequently provided to the USEPA and approved.

2.1 Pre-Field Activities

Prior to the commencement of field activities, EarthCon verified that proper underground utility clearances were conducted. Underground Services Alert (USA) was notified at least 72-hours prior to initiation of field activities. In addition, due to the concern of subgrade utilities and/or piping, a geophysical survey was conducted prior to initiation of sampling activities.

Field work was conducted in accordance with the current Site Health and Safety Plan (HASP). The scope of work and elements of the HASP were discussed daily during the tail-gate safety meetings.

2.2 Field Activities

Soil sampling investigation activities were conducted on-Site over a series of days beginning on October 4, 2021 and ending on October 29, 2021. Various types of material were encountered in the subsurface including, but not limited to, foundry sand, sand core fragments, rocks, bricks, rubber, and a “spongy” vesicular material that appeared to be residual glue or resin. In a few instances, the bore holes collapsed due to the dry fine-grained sand that was encountered, preventing samples from being collected beyond the initial depth. Detailed field notes and representative photographs were recorded throughout soil investigation. Further information can be found from the individual boring logs provided in Appendix A and photographs provided in Appendix B.

A total of thirty-six (36) soil boring locations (S-1 through S-36) were advanced across the Site (See Figure 2). A hand-auger was initially utilized to advance the boring to 5 ft bgs, collecting soil samples at 1 ft, 3ft, and 5 ft bgs. However, based on the materials encountered as described previously, some samples required the assistance of an air knife rig and/or a direct push drilling rig to collect samples to depth. Additionally, based on the materials encountered at 5 ft bgs and/or the initial analytical results, the borings were advanced to greater depths. Borings advanced to greater depths were completed so that the depth of foundry sand could be defined by identifying when native sand was observed. In addition, deeper samples were also collected in instances where the initial sample results reported elevated PCB concentrations in order to potentially define the limits of concentrations exceeding 1 mg/kg. Three step-out borings (S-34 though S-36) locations were added to the original proposed locations in the vicinity of S-9 to define the limits of the initial PCB results reported in that location. As a result, a total of ninety-nine (99) soil samples were collected at the Site during the soil investigation.

Once sample collection was completed, each boring location was backfilled using commercially available sand and subsequently patched with quick setting concrete that was color dyed as needed in order to match the existing ground cover surface conditions.

2.2.1 Sample Management

Soil samples were collected under a strict chain of custody protocol and were submitted to a California-State Certified Laboratory, on a rush turn-around time. Sampling equipment was decontaminated in between each sample collection in accordance with the USEPA Guidance[1] using a 2-rinse system followed by a hexane wipe. The rinseate was stored in a 55-gallon steel drum on-Site pending disposal.

Soil samples were analyzed for the following:

- PCBs in accordance with U.S. EPA Method 8082A/3540C (Soxhlet extraction)

Each sample container was labeled with unique sample number, date, time, requested analyses, and initials of sampling personnel, as appropriate. After labeling, the soil samples were placed in a

1 USEPA. 2011. *Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls.* May 2011

cooler on ice for transportation to the laboratory. In accordance with Chapter 9, Section 9.2.2.7 of SW-846, a chain of custody record documented sample possession from the time of collection until the samples were analyzed. The record also served as a sample inventory and analysis order form.

Sampling personnel transported the samples at the end of each field day to the laboratory. When possession of the samples was transferred from sampling personnel to the laboratory, both parties signed the chain of custody.

2.2.2 Investigation Derived Waste

Investigation derived waste generated during soil investigation activities included soil cuttings and decon rinseate water. Disposal will be based on the analytical results from the characterization samples. The disposal of PCBs at concentrations of 50 ppm or greater, if encountered, will be conducted in accordance with 40 CFR 761 subpart D. Depending on the characterization of PCB-impacted soil, subsequent transportation will likely be to a TSCA disposal facility such as US Ecology in Beatty, NV. Laboratory reports and facility disposal information associated with waste characterization will also be provided to the USEPA prior to transportation off-Site.

3.0 INVESTIGATION RESULTS

3.1 Field Observations

As noted previously, various types of material were encountered during the soil sampling investigation (see boring logs provided in Appendix A). Of all the non-native material observed, the largest quantity encountered was foundry sand. In general, foundry sand was encountered in the soil borings located along the northern portion of the Site through the parking lot area and it extended east/southeast underneath the former Clow Building. The depth at which foundry and was encountered was generally from the surface to approximately 5 ft bgs in most of the identified borings. However, in isolated locations the foundry sand total depth ranged from approximately 6 ft bgs to 11 ft bgs.

Further details are provided in the boring logs provided in Appendix A and the photologs provided in Appendix B. Extent of the foundry sand is illustrated in the contour figures provided in Appendix C

3.2 Analytical Results

As discussed previously, a total of 99 soil samples were collected from a total of 36 soil boring locations. PCB concentrations were detected in 18 boring locations with the majority of these detections correlating to the presence of foundry sand. Generally, the aroclors reported included Aroclor-1248 and Aroclor-1260, with two isolated occurrences of Aroclor-1016 and Aroclor-1254. The highest PCB concentrations were reported in the 1 ft bgs sample with the maximum concentrations of total PCBs reported at 290 mg/kg (S-31). In comparison, the highest total PCB concentrations at greater depths were 170 mg/kg (S-31 at 3 ft bgs), 120 mg/kg (S-31 at 5 ft bgs), and 7.8 mg/kg (one 6 ft bgs sample at S-30)[2].

As show on Figure 3 the extent of PCB impacted soil appears to have a larger presence at 1 ft bgs and decreasing in extent moving towards greater depths. Additionally, the highest total PCB concentrations appear to be focused in the center of the parking lot north of the Anaco Production Plant. The reported total PCB concentrations are generally correlated to the presence of foundry sand as illustrated in contours provided in Appendix C compared to the results provided in Figure 3.

A summary of the analytical results is provided in Table 1 and on Figure 4. In addition, the

2 Two attempts were made to try and collect a deeper sample below 6 ft bgs at S-30 to delineate the elevated PCB concentrations. However, large rocks in the area prevented advancement and collection of a deeper sample.

associated laboratory reports and chain of custody forms are provided in Appendix D.

4.0 REFERENCES

EarthCon. 2020. *Corrective Measures Study Implementation Workplan*. March 26, 2020.

USEPA. 2011. *Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls*. May 2011.

TABLE

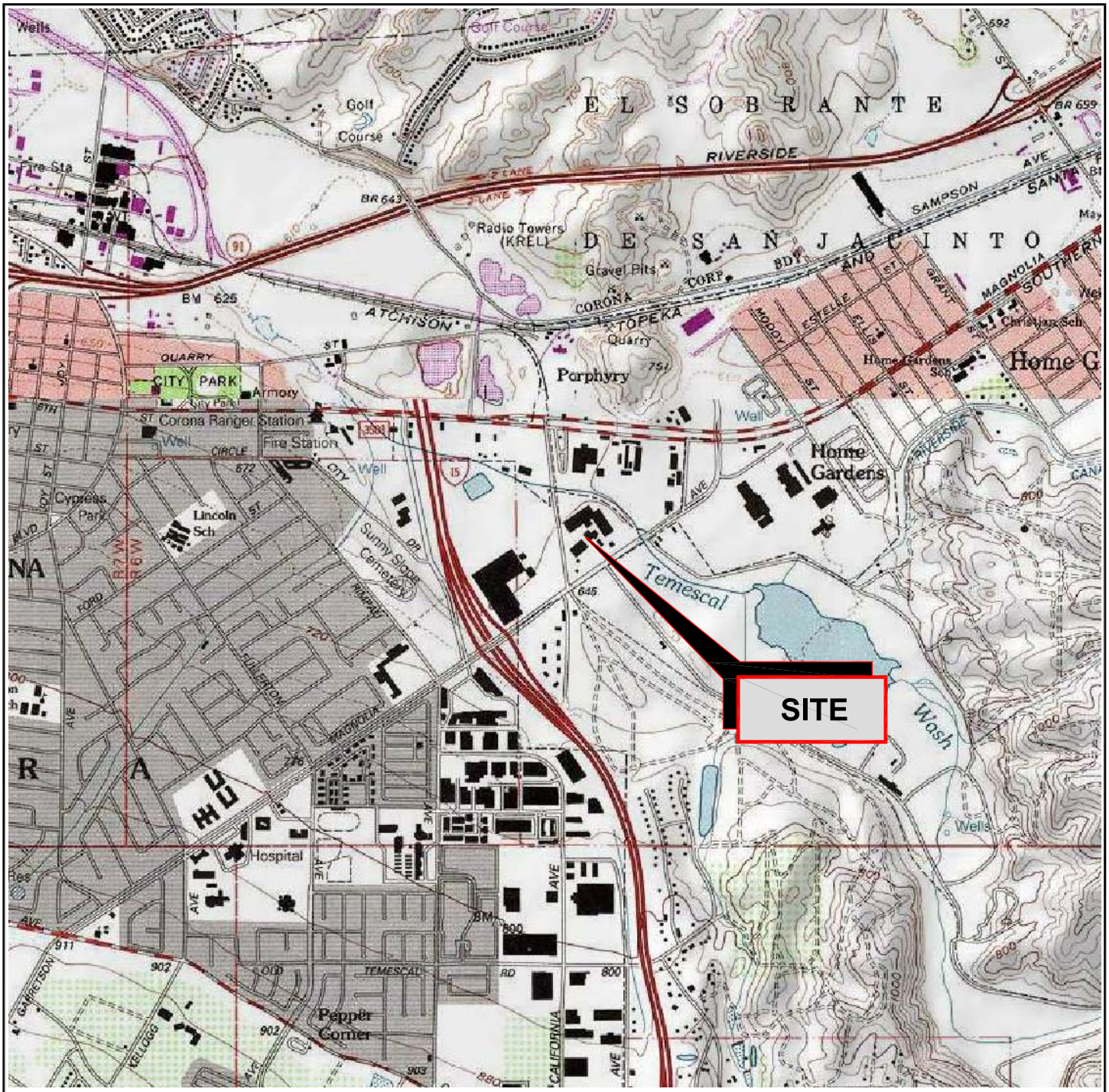
Table 1 - Soil Analytical Results
PCB Soil Investigation
Clow Valve

Sample ID	Date	Unit	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
S-1-1	10/4/2020	ug/kg	<2500	<1200	<1200	<1200	**36000**	**18000**	<1200	<1200	<1200
S-1-3	10/4/2020	ug/kg	<500	<250	<250	<250	**1800**	**1500**	**2400**	<250	<250
S-1-5	10/4/2020	ug/kg	<5000	<2500	<2500	<2500	<2500	<2500	<2500	<2500	<2500
S-2-1	10/4/2020	ug/kg	<4900	<2500	<2500	<2500	**21000**	**14000**	**6100**	<2500	<2500
S-2-3	10/4/2020	ug/kg	<5000	<2500	<2500	<2500	**20000**	<2500	**3600**	<2500	<2500
S-2-5	10/4/2020	ug/kg	<5000	<2500	<2500	<2500	**19000**	<2500	**3800**	<2500	<2500
S-2-5.5	10/14/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-3-1	10/4/2020	ug/kg	<5000	<2500	<2500	<2500	<2500	<2500	<2500	<2500	<2500
S-3-3	10/4/2020	ug/kg	<5000	<2500	<2500	<2500	<2500	<2500	<2500	<2500	<2500
S-3-5	10/4/2020	ug/kg	<98	<49	<49	<49	<49	<49	<49	<49	<49
S-4-1	10/4/2020	ug/kg	<200	<98	<98	<98	<98	<98	**150**	<98	<98
S-4-3	10/4/2020	ug/kg	<98	<49	<49	<49	<49	<49	<49	<49	<49
S-4-5	10/4/2020	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-5-1	10/4/2020	ug/kg	<98	<49	<49	<49	<49	<49	<49	<49	<49
S-6-1	10/4/2020	ug/kg	<100	<51	<51	<51	<51	<51	<51	<51	<51
S-6-3	10/4/2020	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-6-5	10/4/2020	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-7-1	10/5/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-8-1	10/5/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-8-3	10/5/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-8-5	10/5/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-9-1	10/5/2021	ug/kg	<5000	<2500	<2500	<2500	**26000**	<2500	**23000**	<2500	<2500
S-9-3	10/5/2021	ug/kg	<100	<50	<50	<50	**310**	<50	**370**	<50	<50
S-9-5	10/5/2021	ug/kg	<100	<50	<50	<50	**83**	<50	**71**	<50	<50
S-10-1	10/5/2021	ug/kg	<10000	<5000	<5000	<5000	**49000**	<5000	**16000**	<5000	<5000
S-10-3	10/8/2021	ug/kg	<100	<50	<50	<50	**1300**	<50	**1500**	<50	<50
S-10-5	10/8/2021	ug/kg	<200	<100	<100	<100	**590**	<100	**530**	<100	<100
S-10-8	10/19/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-11-1	10/5/2021	ug/kg	<20000	<10000	<10000	<10000	**110000**	<10000	**32000**	<10000	<10000
S-11-3	10/5/2021	ug/kg	<100	<50	<50	<50	**70**	<50	<50	<50	<50
S-11-5	10/5/2021	ug/kg	<100	<50	<50	<50	**230**	<50	**110**	<50	<50
S-12-1	10/5/2021	ug/kg	<200	<100	<100	<100	**300**	<100	<100	<100	<100
S-12-3	10/5/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-12-5	10/5/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-13-1	10/6/2021	ug/kg	<500	<250	<250	<250	<250	<250	<250	<250	<250
S-14-1	10/6/2021	ug/kg	<200	<100	<100	<100	<100	<100	<100	<100	<100
S-15-1	10/6/2021	ug/kg	<200	<100	<100	<100	<100	<100	<100	<100	<100
S-15-3	10/6/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-16-1	10/6/2021	ug/kg	<500	<250	<250	<250	<250	<250	<250	<250	<250
S-16-3	10/6/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-17-1	10/7/2021	ug/kg	<200	<100	<100	<100	<100	<100	<100	<100	<100
S-17-3	10/7/2021	ug/kg	<100	<50	<50	<50	**69**	<50	**52**	<50	<50
S-18-1	10/7/2021	ug/kg	<100	<50	<50	<50	**180**	<50	<50	<50	<50
S-18-3	10/7/2021	ug/kg	<100	<50	<50	<50	**61**	<50	<50	<50	<50
S-18-5	10/7/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-19-1	10/7/2021	ug/kg	<100b	<50	<50	<50	<50	<50	<50b	<50	<50
S-19-3	10/7/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-20-1	10/7/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-20-3	10/7/2021	ug/kg	<100	<50	<50	<50	<50b	<50	<50	<50	<50

Table 1 - Soil Analytical Results
PCB Soil Investigation
Clow Valve

Sample ID	Date	Unit	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
S-21-1	10/7/2021	ug/kg	<200	<100	<100	<100	<100	<100	<100	<100	<100
S-21-3	10/7/2021	ug/kg	<100b	<50	<50	<50	<50	<50	<50b	<50	<50
S-22-1	10/7/2021	ug/kg	<100	<50	<50	<50	<50b	<50	<50	<50	<50
S-22-3	10/7/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-22-5	10/7/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-23-1	10/8/2021	ug/kg	<200	<100	<100	<100	**6200**	<100	**5700**	<100	<100
S-23-3	10/8/2021	ug/kg	<200	<100	<100	<100	**3500**	<100	**3200**	<100	<100
S-23-5	10/19/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-23-7	10/19/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-24-1	10/8/2021	ug/kg	<200	<100	<100	<100	**400**	<100	**310**	<100	<100
S-24-3	10/19/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-24-5	10/19/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-25-1	10/12/2021	ug/kg	<1000	<500	<500	<500	**4600**	**2300**	<500	<500	<500
S-25-3	10/12/2021	ug/kg	<1000	<500	<500	<500	**1300**	**640**	<500	<500	<500
S-25-5	10/12/2021	ug/kg	<1000	<500	<500	<500	**680**	**290**	<500	<500	<500
S-26-1	10/12/2021	ug/kg	<1000	<500	<500	<500	**670**	<500	**5000**	<500	<500
S-26-3	10/12/2021	ug/kg	<100	<50	<50	<50	<50	<50	**110**	<50	<50
S-26-5	10/12/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-27-1	10/12/2021	ug/kg	<1000	<500	<500	<500	**930**	<500	**2500**	<500	<500
S-27-3	10/12/2021	ug/kg	<100	<50	<50	<50	**410**	<50	**120**	<50	<50
S-27-5	10/12/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-27-10	10/12/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-28-1	10/12/2021	ug/kg	<1000	<500	<500	<500	**50000**	<500	**12000**	<500	<500
S-28-3	10/12/2021	ug/kg	<1000	<500	<500	<500	**5900**	**2900**	<500	<500	<500
S-28-5	10/12/2021	ug/kg	<1000	<500	<500	<500	**880**	**540**	<500	<500	<500
S-28-7	10/19/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-29-1	10/12/2021	ug/kg	<1000	<500	<500	<500	**630**	**510**	**720**	<500	<500
S-29-3	10/12/2021	ug/kg	**120**	<50	<50	<50	<50	<50	**290**	<50	<50
S-29-5	10/12/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-30-1	10/14/2021	ug/kg	<10000	<5000	<5000	<5000	**18000**	<5000	<5000	<5000	<5000
S-30-3	10/14/2021	ug/kg	<1000	<500	<500	<500	**2300**	<500	<500	<500	<500
S-30-5	10/14/2021	ug/kg	<10000	<5000	<5000	<5000	**31000**	<5000	<5000	<5000	<5000
S-30-6	10/14/2021	ug/kg	<2500	<1300	<1300	<1300	**7800**	<1300	<1300	<1300	<1300
S-31-1	10/14/2021	ug/kg	<100000	<50000	<50000	<50000	**290000**	<50000	<50000	<50000	<50000
S-31-3	10/14/2021	ug/kg	<100000	<50000	<50000	<50000	**170000**	<50000	<50000	<50000	<50000
S-31-5	10/14/2021	ug/kg	<25000	<13000	<13000	<13000	**120000**	<13000	<13000	<13000	<13000
S-31-10.5	10/19/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-32-1	10/14/2021	ug/kg	<100	<50	<50	<50	<50	<50	**550**	<50	<50
S-32-3	10/14/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-32-5	10/14/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-32-7	10/14/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-32-11.8	10/14/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-33-1	10/15/2021	ug/kg	<100	<50	<50	<50	**1400**	<50	<50	<50	<50
S-33-3	10/15/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-34-1	10/19/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-34-3	10/19/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-35-1	10/19/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-35-3	10/19/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-36-1	10/19/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50
S-36-3	10/19/2021	ug/kg	<100	<50	<50	<50	<50	<50	<50	<50	<50

FIGURES



FROM: U.S. GEOLOGICAL SURVEY, 1997
QUADRANGLE: CORONA SOUTH
COUNTY: RIVERSIDE
SERIES: 7.5-MINUTE QUAD

NOTE: ALL BOUNDARIES AND LOCATIONS ARE APPROXIMATE

N
W E
S

0 2000 Feet
SCALE

CLOW VALVE

1375 MAGNOLIA AVENUE
CORONA, CA 92879

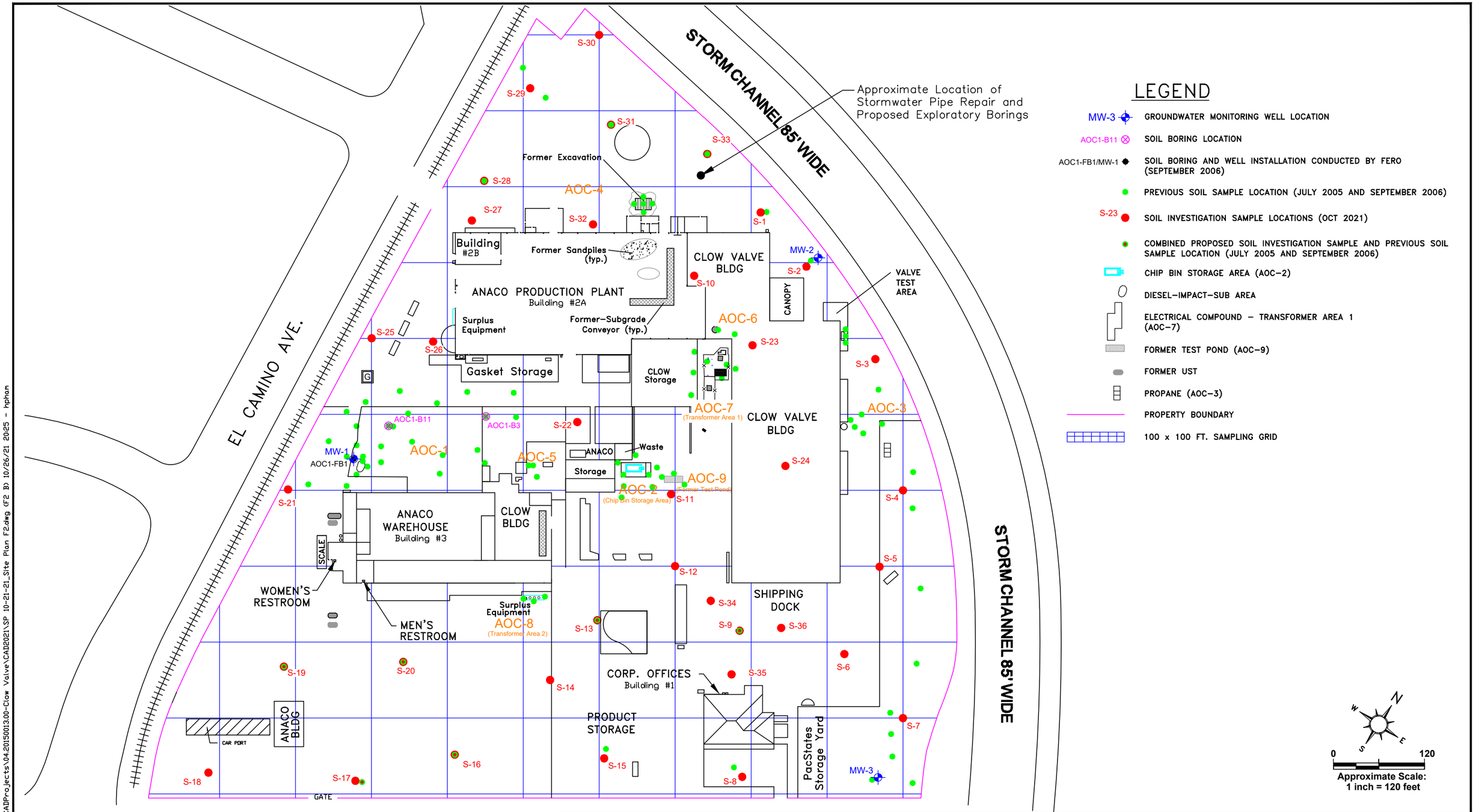
PROJECT NO. 04.20150013.00

EARTHCON®
EARTHCON CONSULTANTS CA, INC
1914 W. ORANGEWOOD AVENUE, SUITE 102, ORANGE, CA 92868

VICINITY MAP

DRAWN:	CHECKED:	DATE:	FIGURE:
DCN	JB	12/30/15	1

FILENAME: S:\CAD\EARTHCON CAD\CLOW VALVE 1375 MAGNOLIA AVENUE, CORONA, CA_VICINITY MAP



LEGEND

- MW-3 — GROUNDWATER MONITORING WELL LOCATION
- AOC1-B11 — SOIL BORING LOCATION
- AOC1-FB1/MW-1 — SOIL BORING AND WELL INSTALLATION CONDUCTED BY FERO (SEPTEMBER 2006)
- PREVIOUS SOIL SAMPLE LOCATION (JULY 2005 AND SEPTEMBER 2006)
- S-23 — SOIL INVESTIGATION SAMPLE LOCATIONS (OCT 2021)
- COMBINED PROPOSED SOIL INVESTIGATION SAMPLE AND PREVIOUS SOIL SAMPLE LOCATION (JULY 2005 AND SEPTEMBER 2006)
- CHIP BIN STORAGE AREA (AOC-2)
- DIESEL-IMPACT-SUB AREA
- ELECTRICAL COMPOUND - TRANSFORMER AREA 1 (AOC-7)
- FORMER TEST POND (AOC-9)
- FORMER UST
- PROPANE (AOC-3)
- PROPERTY BOUNDARY
- 100 x 100 FT. SAMPLING GRID

N W E S

0 120

Approximate Scale:
1 inch = 120 feet

CLOW VALVE

1375 MAGNOLIA AVENUE
CORONA, CA 92879

PROJECT NO. 04.20150013.19

EARTHCON®
Member of WSP

EARTHCON CONSULTANTS CA, INC
1100 TOWN & COUNTRY ROAD, SUITE 200, ORANGE, CA 92868

SITE PLAN

DRAWN:	CHECKED:	DATE:	FIGURE:
HVP	BS	10/22/2021	2

FILENAME: S:\Common\OrangeCADProjects\04.20150013.00-Clow Valve\CAD2021\SP 10-21-21_Site Plan F2.dwg (F2 B) 10/26/21 2025 - hphan

ID-Depth(ft)	Aroclor-1248
S-30-1	18
S-30-3	2.3
S-30-5	31
S-30-6	7.8

ID-Depth(ft)	Aroclor-1248	Aroclor-1254	Aroclor-1260
S-29-1	0.63	0.51	0.72
S-29-3	<0.05	<0.05	0.29

ID-Depth(ft)	Aroclor-1248
S-31-1	290
S-31-3	170
S-31-5	120

ID-Depth(ft)	Aroclor-1248
S-33-1	1.4

ID-Depth(ft)	Aroclor-1248	Aroclor-1254	Aroclor-1260
S-28-1	50	<0.50	12
S-28-3	5.9	2.9	<0.50
S-28-5	0.88	0.54	<0.50

ID-Depth(ft)	Aroclor-1248	Aroclor-1254	Aroclor-1260
S-1-1	36	18	<1.2
S-1-3	1.8	1.5	2.4
S-1-5	<2.5	<2.5	<2.5

ID-Depth(ft)	Aroclor-1248	Aroclor-1260
S-27-1	0.93	2.5
S-27-3	0.41	0.12

ID-Depth(ft)	Aroclor-1248	Aroclor-1254	Aroclor-1260
S-2-1	21	14	6.1
S-2-3	20	<2.5	3.6
S-2-5	19	<2.5	3.8

ID-Depth(ft)	Aroclor-1248	Aroclor-1260
S-26-1	0.67	0.5
S-26-3	<0.05	0.11

ID-Depth(ft)	Aroclor-1248	Aroclor-1260
S-10-1	49	16
S-10-3	1.3	1.5
S-10-5	0.59	0.53

ID-Depth(ft)	Aroclor-1248	Aroclor-1254
S-25-1	4.6	2.3
S-25-3	1.3	0.64
S-25-5	0.68	0.29

ID-Depth(ft)	Aroclor-1248	Aroclor-1260
S-23-1	6.2	5.7
S-23-3	3.5	3.2

ID-Depth(ft)	Aroclor-1248	Aroclor-1260
S-24-1	0.4	0.31

ID-Depth(ft)	Aroclor-1260
S-4-1	0.15

ID-Depth(ft)	Aroclor-1248
S-12-1	0.3

ID-Depth(ft)	Aroclor-1248	Aroclor-1260
S-9-1	26	23
S-9-3	0.31	0.37
S-9-5	0.083	0.071

ID-Depth(ft)	Aroclor-1248	Aroclor-1260
S-11-1	110	32
S-11-3	0.07	<0.05
S-11-5	0.23	0.11

ID-Depth(ft)	Aroclor-1248
S-18-1	0.18
S-18-3	0.061

ID-Depth(ft)	Aroclor-1248	Aroclor-1260
S-17-3	0.069	0.052

Approximate Location of Stormwater Pipe Repair and Proposed Exploratory Borings

LEGEND

- MW-3 — GROUNDWATER MONITORING WELL LOCATION
- AOC1-B11 — SOIL BORING LOCATION
- AOC1-FB1/MW-1 — SOIL BORING AND WELL INSTALLATION CONDUCTED BY FERO (SEPTEMBER 2006)
- PREVIOUS SOIL SAMPLE LOCATION (JULY 2005 AND SEPTEMBER 2006)
- S-23 — SOIL INVESTIGATION SAMPLE LOCATIONS (OCT 2021)
- COMBINED PROPOSED SOIL INVESTIGATION SAMPLE AND PREVIOUS SOIL SAMPLE LOCATION (JULY 2005 AND SEPTEMBER 2006)
- CHIP BIN STORAGE AREA (AOC-2)
- DIESEL-IMPACT-SUB AREA
- ELECTRICAL COMPOUND - TRANSFORMER AREA 1 (AOC-7)
- FORMER TEST POND (AOC-9)
- FORMER UST
- PROPANE (AOC-3)
- PROPERTY BOUNDARY
- 100 x 100 FT. SAMPLING GRID

ANALYTICAL RESULTS WERE RECORDED IN MILLIGRAMS PER KILOGRAM (mg/Kg)

Approximate Scale: 1 inch = 120 feet

CLOW VALVE
1375 MAGNOLIA AVENUE
CORONA, CA 92879

PROJECT NO. 04.20150013.19

EARTHCON® Member of WSP
EARTHCON CONSULTANTS CA, INC
1100 TOWN & COUNTRY ROAD, SUITE 200, ORANGE, CA 92868

PCB CONCENTRATIONS

DRAWN:	CHECKED:	DATE:	FIGURE:
HVP	BS	10/27/2021	3

FILENAME: S:\Common\DrangeCADProjects\04.20150013.00-Clow Valve\CAD2021\SP 10-21-21_Site Plan F2.dwg (F4 PCBs Conc) 10/28/21 14:04 - hphan

APPENDICES

Client: _____
Logged By: LML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: _____
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/04/21
Borehole Diameter: 5in
Borehole Depth: 5ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.20150013.19
Project Name: Clow Valve

EARTHCON®

Boring/Well ID S-1	Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Fine to medium dark brown sand with red sand core, coke, sponge material, black sand core, and yellow conglomerate.
					3				Same as above. some gravel
					5				Light brown Sandy Clay. Had a Sparkle to it. Trace of gravel

Client: _____
Logged By: LML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: __
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/04/21
Borehole Diameter: 5in
Borehole Depth: 5ft 5in
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.20150013.19
Project Name: Clow Valve

EARTHCON®

Boring/Well ID S-2	Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark brown sand with some gravel, red sand core, Sponge material, coke, yellow conglomerate.
					3				Same as above
					5				Same as above
					5.5				Brown medium to coarse sand with some gravel up to 0.5cm. Loose.

Client: _____
Logged By: LML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: __
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/04/21
Borehole Diameter: 5in
Borehole Depth: 5ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.20150013.19
Project Name: Glow Valve

EARTHCON®

Boring/Well ID S-3	Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Light brown fine to medium sand some gravel up to 0.5cm.
					3				Same as above
					5				Light brown medium to coarse grained sand with gravel up to 1in. loose

PAGE 1 of

Client: _____
Logged By: LHL
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: __
Gravel Pack: _____

Location: Corona CA
Date Drilled: 10/04/21
Borehole Diameter: 5in
Borehole Depth: 5ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.20150013.19
Project Name: Glow Valve

EARTHCON®

Boring/Well ID S-4	Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Light brown fine to medium sand with some gravel up to 0.5cm.
					3				Same as above.
					5				same as above.

Client: _____
Logged By: LML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: __
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/04/21
Borehole Diameter: 8in
Borehole Depth: 1ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.20150013.19
Project Name: Claw Valve

EARTHCON®

Boring/Well ID S-5	Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Light brown fine to medium sand with gravel up to 0.5cm. Loose

PAGE 1 of 1

Client:
Logged By: LML
Driller:
Drilling Method:
Sampling Method: Hand Auger
Casing Type:
Slot Size:
Gravel Pack:

Location: Corona, CA
Date Drilled: 10/04/21
Borehole Diameter: 5in
Borehole Depth: 5ft
Well Diameter:
Well Depth:
Casing Stickup:

Project No: 04.20150013.19
Project Name: Clow Valve

EARTHCON®

Boring/Well ID S-6

Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				fine to medium Dark brown sand with chunks of rsc, and coke material.
					3				Same as above
					5				Light brown medium to coarse sand with gravel up to 0.5cm. Loose

PAGE 1 of 1

Client: _____
Logged By: LMC
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: __
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/05/21
Borehole Diameter: 5in
Borehole Depth: 3Ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.20150013.19
Project Name: Flow Valve

EARTHCON®

Boring/Well ID S-7	Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Light brown fine Sand. Loose
					3				Same as above.

PAGE 1 of 1

Client: _____
Logged By: LML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: _____
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/05/21
Borehole Diameter: 5in
Borehole Depth: 5ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.20150013.19
Project Name: Clow Valve

EARTHCON®

Boring/Well ID	Elevation (feet)	Northing (feet)	Easting (feet)
S-8			

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Light brown fine sand. Moist.
					3				Light brown fine to medium sand with some gravel up to 0.5cm. Moist.
					5				Medium to coarse grained sand with some gravel up to 0.5cm.

Client: _____
Logged By: UML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: __
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/05/21
Borehole Diameter: 5in
Borehole Depth: 5ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.20150013.19
Project Name: Clow Valve

EARTHCON®

Boring/Well ID S-9 | Elevation (feet) | Northing (feet) | Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark brown medium to coarse grained sand with gravel up to 0.5cm.
					3				Same as above
					5				Light brown medium to coarse grained sand.

Client: _____
Logged By: LML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: __
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/05/21
Borehole Diameter: 6in
Borehole Depth: 8ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.2015.0013.19
Project Name: Clow Valve

EARTHCON®

Boring/Well ID S-10

Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				medium dark brown sand with red sand core, coke, and slag fragments.
					3				medium dark brown sand with red sand core, coke, and sponge material.
					5				Dark brown medium sand with black sand core, Sponge material, yellow conglomerate, and slag fragments.
					7				Same as above
					8				Light brown fine to medium sand with some gravel up to 0.5cm.

Client: _____
Logged By: LHL
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: _____
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/6/21
Borehole Diameter: 5in
Borehole Depth: 5ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

PAGE 1 of 1
Project No: 04.20150013.19
Project Name: Clow Valve

EARTHCON®

Boring/Well ID: S-11 | Elevation (feet) | Northing (feet) | Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Fine to medium dark brown sand with small chunks of yellow sand core.
					3				Light brown medium to coarse grained sand with gravel up to 0.5cm. Loose
					5				Same as above.

Client: _____
Logged By: LML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: __
Gravel Pack: _____

Location: Corona CA
Date Drilled: 10/05/21
Borehole Diameter: 5in
Borehole Depth: 5ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

PAGE 1 of

Project No: 04.20150013.19
Project Name: Clow Valve

EARTHCON®

Boring/Well ID S-12

Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark brown medium to coarse grained sand with gravel. Loose
					3				Same as above
					5				Same as above

Client:
Logged By: LML
Driller:
Drilling Method:
Sampling Method: Hand Auger
Casing Type:
Slot Size:
Gravel Pack:

Location: Corona, CA
Date Drilled: 10/20/21
Borehole Diameter: 5in
Borehole Depth: 1ft
Well Diameter:
Well Depth:
Casing Stickup:

PAGE 1 of 1

Project No: 04.20150013.19
Project Name: Clow Valve

EARTHCON®

Boring/Well ID: S-13

Elevation (feet) | Northing (feet) | Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark brown medium to coarse grained sand with gravel.

Client: _____
Logged By: CML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: __
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/04/21
Borehole Diameter: 5in
Borehole Depth: 1ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.20150213.19
Project Name: Clow Valve

EARTHCON®

Boring/Well ID S-14

Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark brown medium to coarse grained sand with large rocks greater than 1in.

Client:
Logged By: LML
Driller:
Drilling Method:
Sampling Method: Hand auger
Casing Type:
Slot Size:
Gravel Pack:

Location: Conrad, MT
Date Drilled: 10/06/21
Borehole Diameter: 5in
Borehole Depth: 3ft
Well Diameter:
Well Depth:
Casing Stickup:

PAGE 1 of 1

Project No: 04.20150013.19
Project Name: Clow Valve

EARTHCON®

Boring/Well ID S-15

Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark brown fine to medium sand with some gravel.
					3				Same as above

Client:

PAGE 1 of 1

Client: _____
Logged By: LML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: __
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/26/21
Borehole Diameter: 5in
Borehole Depth: 3ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.20150013.19
Project Name: Clous Valve

EARTHCON®

Boring/Well ID S-16

Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark brown fine to medium sand with some gravel up to 0.5cm.
					3				Same as above

Client: _____ Location: Corona, CA

Logged By: LML Date Drilled: 10/07/21

Driller: _____ Borehole Diameter: 5in

Drilling Method: _____ Borehole Depth: 3ft

Sampling Method: Hand Auger Well Diameter: _____

Casing Type: _____ Well Depth: _____

Slot Size: __ Casing Stickup: _____

Gravel Pack: _____

Project No: 04.20150013.19

Project Name: Clow Valve

EARTHCON®

Boring/Well ID S-17	Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion / Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark brown fine to medium sand. Loose.
					3				Dark brown medium to coarse grained sand with gravel up to 0.5cm. Loose.

Client: _____ Location: Concord, CA

Logged By: UML Date Drilled: 10/07/21

Driller: _____ Borehole Diameter: 5in

Drilling Method: _____ Borehole Depth: ~~3ft~~ 3ft

Sampling Method: Hand Auger Well Diameter: _____

Casing Type: _____ Well Depth: _____

Slot Size: _____ Casing Stickup: _____

Gravel Pack: _____

PAGE 1 of 1

Project No: 04.20150013.19

Project Name: Clow Valve

EARTHCON®

Boring/Well ID S-18	Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark brown fine moist silty sand.
					3				Dark brown medium to coarse grained sand with gravel.

Client: _____
Logged By: UML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: __
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/07/21
Borehole Diameter: 5in
Borehole Depth: 3ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.20150013.19
Project Name: Clow Valve

EARTHCON®

Boring/Well ID S-19 | Elevation (feet) | Northing (feet) | Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark brown fine moist sand with some gravel
					3				Same as above. Some larger rock.

Client: _____
Logged By: ML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: __
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/07/21
Borehole Diameter: 5in
Borehole Depth: 3Ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.20150013.19
Project Name: Clow Valve

EARTHCON®

Boring/Well ID S-20	Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark brown medium to coarse grained Sand with gravel.
					3				Light brown medium to coarse grained sand with gravelgreater than 0.5cm.

Client: _____
Logged By: LML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: ___
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/9/21
Borehole Diameter: 5in
Borehole Depth: 3ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.20150013.19
Project Name: Claws Valve

EARTHCON®

Boring/Well ID S-21	Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Light brown fine silty sand. Moist
					3				Same as above

Client: _____ Location: Corona, CA

Logged By: LMC Date Drilled: 10/07/21

Driller: _____ Borehole Diameter: 5in

Drilling Method: _____ Borehole Depth: 5ft

Sampling Method: Hand Auger Well Diameter: _____

Casing Type: _____ Well Depth: _____

Slot Size: __ Casing Stickup: _____

Gravel Pack: _____

PAGE 1 of

Project No: 04.20150013.19

Project Name: Glow Valve

EARTHCON®

Boring/Well ID S-22 | Elevation (feet) | Northing (feet) | Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Light brown fine silty sand. with chunks of slag, yellow conglomerate, and coke material. white powder material also throughout.
					3				Same as above but fine brick chunks also noted.
					5				Same as above.

Client: _____
Logged By: CMC
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: __
Gravel Pack: _____

Location: Comna, CA
Date Drilled: 10
Borehole Diameter: 5in
Borehole Depth: ~~5ft~~ 7ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

PAGE 1 of 1

Project No 04.20150013.19
Project Name: Claus Valve

EARTHCON®

Boring/Well ID S-23	Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark brown medium sand with red sand core, Black sand core material. Moist
					3				Same as above. Moist.
					5				Fine dark brown sand with chunks of plastic and metal.
					7				Light brown silty sand with gravel <0.5cm

Client: _____
Logged By: LML
Driller: _____
Drilling Method: _____
Sampling Method: Hand auger
Casing Type: _____
Slot Size: ___
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/08/21
Borehole Diameter: 5in
Borehole Depth: 5ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

PAGE 1 of

Project No: 04.20150013.19
Project Name: Clow Valve

EARTHCON®

Boring/Well ID S-24 | Elevation (feet) | Northing (feet) | Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark brown medium sand with red sand core, coke, and slag material.
					3				Dark brown sand with red sand core, coke, and orange sand core.
					5				Light brown silty sand with traces of gravel.

Client: _____
Logged By: LML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: __
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/12/21
Borehole Diameter: 5in
Borehole Depth: 5ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.2015.0013.19
Project Name: Claw Valve

EARTHCON®

Boring/Well ID S-25

Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark brown sand with yellow sand core, slag, red sand core, spongy material.
					3				medium brown sand with gravel. Some plastic pieces.
					5				Same as above

Client:	Location: Corona, CA	PAGE 1 of 1
Logged By: LML	Date Drilled: 10/12/21	Project No: 04.20150013.19
Driller:	Borehole Diameter: 5in	Project Name: Clow Valve
Drilling Method:	Borehole Depth: 5ft	EARTHCON®
Sampling Method: Hand Auger	Well Diameter:	
Casing Type:	Well Depth:	
Slot Size:	Casing Stickup:	
~~Gravel Pack:~~		

Boring/Well ID	Elevation (feet)	Northing (feet)	Easting (feet)
S-20 ~~S-21~~			

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				blackish brown sand with red sand core, spongy material, black sand core, coke, yellow conglomerate.
					3				Light Brown silty sand. Loose
					5				fine to medium brown sand with gravel up to 0.5cm.

Client: _____
Logged By: LMC
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: ___
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/12/21
Borehole Diameter: 5in
Borehole Depth: 6ft.
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

PAGE 1 of

Project No: 04.20150013.19
Project Name: Clow Valve

EARTHCON®

Boring/Well ID S-27 | Elevation (feet) | Northing (feet) | Easting (feet)

Boring Completion / Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark blackish brown sand with red sand core, spongy material, yellow sand core, coke, and slag
					3				Same as above
					5				Same as above
					6				Fine to medium brown sand with gravel. Loose.

Client: _____
Logged By: LML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: ___
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/12/21
Borehole Diameter: 5in
Borehole Depth: ~~10ft~~ 5ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.20150013.19
Project Name: Clows Valve

EARTHCON®

Boring/Well ID S-28	Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark blackish brown sand with red sand core, spongy material, black sand core, yellow sand core, coke material. metal debris.
					3				same as above
					5				light brown medium to coarse sand loose. some gravel.
		--			7				same as above.

Client: _____
Logged By: LML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: ___
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/12/21
Borehole Diameter: 5in
Borehole Depth: 5ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.20150013.19
Project Name: Blow Valve

EARTHCON®

Boring/Well ID S-29	Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark blackish brown sand with red sand core, spongy material, black sand core, and slag material.
					3				Same as above
					5				Fine to medium brown silty sand with some gravel. Loose.

Client: _____
Logged By: LML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: ___
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/12/21
Borehole Diameter: 5in
Borehole Depth: 6ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.20150013.19
Project Name: Clow Valve

EARTHCON®

Boring/Well ID S-30	Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion / Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark blackish brown medium sand with black sand core, red sand core, yellow sand core.
					3				Same as above. Also coke and yellow conglomerate, and spongy materia
					5				Same as above
					6				Fine to medium brown silty sand with some gravel

Client: _____ Location: Corona, CA

Logged By: LML Date Drilled: 10/12/21

Driller: _____ Borehole Diameter: 5in

Drilling Method: _____ Borehole Depth: 10.5ft

Sampling Method: Hand Auger Well Diameter: _____

Casing Type: _____ Well Depth: _____

Slot Size: __ Casing Stickup: _____

Gravel Pack: _____

Project No: 04.20150013.19

Project Name: Clow Valve

EARTHCON®

Boring/Well ID S-31	Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				blackish brown sand with red. sand cone, slag, coke, spongy material. black sand cone, ~~sta~~.
					3				Same as above
					5				Same as above
					7				Same as above
					9				Same as above
					10.5				Light brown silty sand with some gravel. loose

Client: _____
Logged By: LML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: __
Gravel Pack: _____

Location: Corona CA
Date Drilled: 10/14/21
Borehole Diameter: 5in
Borehole Depth: 11.8ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 04.20150013.19
Project Name: Clow Valve

EARTHCON®

Boring/Well ID S-32 | Elevation (feet) | Northing (feet) | Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				blackish brown fine sand with slag, coke, red sand core, black sand core, spongy material,
					3				same as above
					5				same as above. Note, bright green spongy material.
					7				same as above.
					11.8				light brown silty sand with some clay. (sparkle to it). Very moist

Client: _____ Location: Corona, CA

Logged By: UML Date Drilled: 10/4/21

Driller: _____ Borehole Diameter: 5in

Drilling Method: _____ Borehole Depth: 3ft.

Sampling Method: Hand Auger Well Diameter: _____

Casing Type: _____ Well Depth: _____

Slot Size: __ Casing Stickup: _____

Gravel Pack: _____

Project No: 04.20160013.19

Project Name: Claw Valve

EARTHCON®

Boring/Well ID	Elevation (feet)	Northing (feet)	Easting (feet)
S-33			

Boring Completion / Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample Recovery	Sample Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Blackish brown coarse sand with black sand core, yellow sand core, red sand core, coke, and yellow conglomerate.
					3				Light brown fine silty sand with some gravel. Loose.

Client: _____
Logged By: LML
Driller: _____
Drilling Method: _____
Sampling Method: ~~Geoprobe~~ Hand Auger
Casing Type: _____
Slot Size: __
Gravel Pack: _____

Location: Corona, CA
Date Drilled: 10/19/21
Borehole Diameter: 5in
Borehole Depth: 3ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

PAGE 1 of 1
Project No: 04.20150013.19
Project Name: Claw Valve

EARTHCON®

Boring/Well ID S-34 | Elevation (feet) | Northing (feet) | Easting (feet)

Boring Completion / Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Light brown medium to coarse grained sand with gravel up to 0.5cm.
					3				Same as above

Client: _____
Logged By: CML
Driller: _____
Drilling Method: _____
Sampling Method: Hand Auger
Casing Type: _____
Slot Size: _____
Gravel Pack: _____

Location: Corona CA
Date Drilled: 10/19/21
Borehole Diameter: 5in
Borehole Depth: 3ft
Well Diameter: _____
Well Depth: _____
Casing Stickup: _____

Project No: 09.20150013.19
Project Name: Flow valve

EARTHCON®

Boring/Well ID S-35 | Elevation (feet) | Northing (feet) | Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark brown medium to coarse grained sand with traces of gravel. Small black sand core fragments. Moist.
					3				Light brown, medium to coarse grained sand with gravel.

Client: _____ Location: Corona CA

Logged By: LML Date Drilled: 10/19/21

Driller: _____ Borehole Diameter: 5in

Drilling Method: _____ Borehole Depth: 3ft

Sampling Method: Hand auger Well Diameter: _____

Casing Type: _____ Well Depth: _____

Slot Size: _____ Casing Stickup: _____

Gravel Pack: _____

Project No: 04.20150013.19

Project Name: Flow Valve

EARTHCON®

Boring/Well ID S-36	Elevation (feet)	Northing (feet)	Easting (feet)

Boring Completion: Backfill	Water Level	Moisture Content	Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Sample: Recovery	Sample: Interval	Soil Type	LITHOLOGY / DESCRIPTION
					1				Dark brown medium to coarse grained sand with some gravel. Moist.
					3				same as above

Overall Site Investigation Photo Log

Photograph 1: Spongy material (SM) and red sand core (RSC).

Photograph 2: Example of the dark brown foundry sand (FS).

SITE PHOTOGRAPHS October 2021	EARTHCON® Environmental Challenges BUSINESS SOLUTIONS®	**Clow Valve** **1375 Magnolia Ave** **Corona, CA** **PROJECT NO 04.20150013.19**

Photograph 3: Light brown sand commonly found along the northeastern portion of the property. Near sample locations S-4, S-5, S-6, and S-7. .

Photograph 4: Base material found underneath the asphalt at sample location S-19. .

SITE PHOTOGRAPHS October 2021	EARTHCON® Environmental Challenges BUSINESS SOLUTIONS®	**Clow Valve** **1375 Magnolia Ave** **Corona, CA** **PROJECT NO 04.20150013.19**

Photograph 5: Another example of the foundry sand from sample location S-32. The SM at this location was lime green in color.

Photograph 6: View of foundry sand from S-31 location.

SITE PHOTOGRAPHS October 2021	EARTHCON® Environmental Challenges BUSINESS SOLUTIONS®	**Clow Valve** **1375 Magnolia Ave** **Corona, CA** **PROJECT NO 04.20150013.19**

Photograph 7: View of plastic and metal material found at sample location S-23 at 5ft bgs.

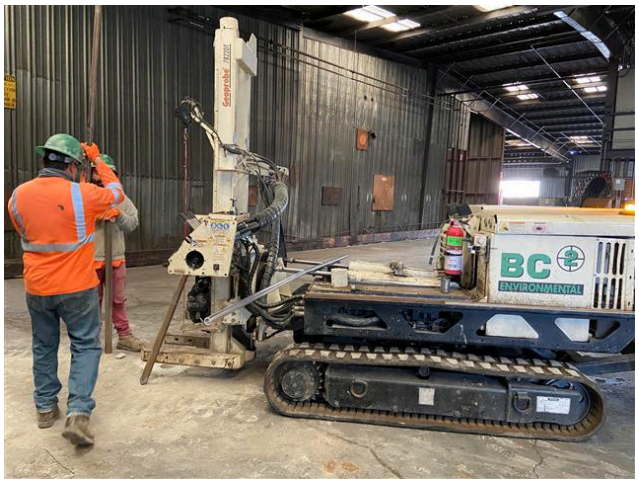
Photograph 8: View of orange colored sand core found at S-24 location.

SITE PHOTOGRAPHS October 2021	EARTHCON® Environmental Challenges BUSINESS SOLUTIONS®	**Clow Valve** **1375 Magnolia Ave** **Corona, CA** **PROJECT NO 04.20150013.19**

Photograph 9: View of Blaine Tech crew hand augering at S-3

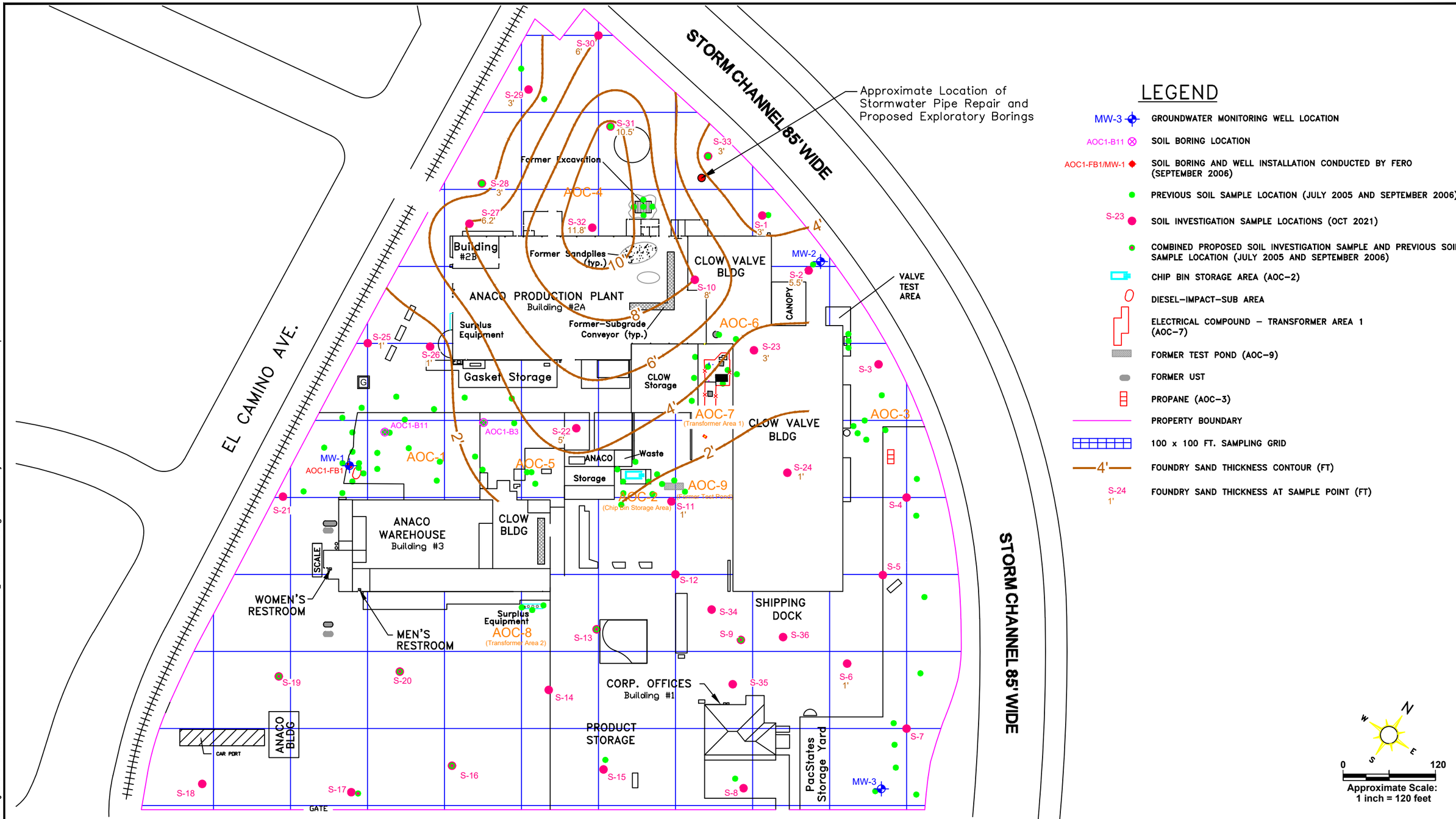
Photograph 10: View of BC2 crew using the Air Knife to try to break through some of the coke material.

Photograph 11: View of BC2 crew setting up the Geoprobe direct push rig to collect samples



Photograph 12: View of BC2 crew using the Geoprobe direct push rig at sample location S-23.

SITE PHOTOGRAPHS October 2021	EARTHCON® Environmental Challenges BUSINESS SOLUTIONS ®	**Clow Valve** **1375 Magnolia Ave** **Corona, CA** **PROJECT NO 04.20150013.19**



LEGEND

- MW-3 — GROUNDWATER MONITORING WELL LOCATION
- AOC1-B11 — SOIL BORING LOCATION
- AOC1-FB1/MW-1 — SOIL BORING AND WELL INSTALLATION CONDUCTED BY FERO (SEPTEMBER 2006)
- PREVIOUS SOIL SAMPLE LOCATION (JULY 2005 AND SEPTEMBER 2006)
- S-23 — SOIL INVESTIGATION SAMPLE LOCATIONS (OCT 2021)
- COMBINED PROPOSED SOIL INVESTIGATION SAMPLE AND PREVIOUS SOIL SAMPLE LOCATION (JULY 2005 AND SEPTEMBER 2006)
- CHIP BIN STORAGE AREA (AOC-2)
- DIESEL-IMPACT-SUB AREA
- ELECTRICAL COMPOUND – TRANSFORMER AREA 1 (AOC-7)
- FORMER TEST POND (AOC-9)
- FORMER UST
- PROPANE (AOC-3)
- PROPERTY BOUNDARY
- 100 x 100 FT. SAMPLING GRID
- 4' — FOUNDRY SAND THICKNESS CONTOUR (FT)
- S-24 1' — FOUNDRY SAND THICKNESS AT SAMPLE POINT (FT)

Approximate Scale: 1 inch = 120 feet

CLOW VALVE
1375 MAGNOLIA AVENUE
CORONA, CA 92879

PROJECT NO. 04.20150013.19

EARTHCON® Member of WSP
EARTHCON CONSULTANTS CA, INC
1100 TOWN & COUNTRY ROAD, SUITE 200, ORANGE, CA 92868

FOUNDRY SAND THICKNESS CONTOURS

DRAWN:	CHECKED:	DATE:	FIGURE:
HVP	BS	10/26/2021	1

FILENAME: S:\Common\DrangeCADProjects\04.20150013.00-Clow Valve\CAD2021\SP 10-21-21_Site Plan F2.dwg (F3 Foundry Sand Thk) 10/28/21 14:03 - hphan

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

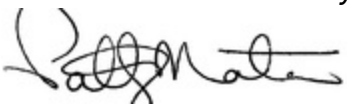
Lab Job Number: 451402
Report Level: II
Report Date: 10/11/2021

Analytical Report *prepared for:*

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Project: CLOW - Clow - 1375 Magnolia Ave

Authorized for release by:



Patty Mata, Project Manager
patty.mata@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# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #:	451402
Project No:	CLOW
Location:	Clow - 1375 Magnolia Ave
Date Received:	10/04/21

Sample ID	Lab ID	Collected	Matrix
S-1-1	451402-001	10/04/21 08:40	Soil
S-1-3	451402-002	10/04/21 09:09	Soil
S-1-5	451402-003	10/04/21 09:30	Soil
S-2-1	451402-004	10/04/21 10:10	Soil
S-2-3	451402-005	10/04/21 10:15	Soil
S-2-5	451402-006	10/04/21 10:30	Soil
S-3-1	451402-007	10/04/21 10:58	Soil
S-3-3	451402-008	10/04/21 11:08	Soil
S-3-5	451402-009	10/04/21 11:32	Soil
S-4-1	451402-010	10/04/21 12:04	Soil
S-4-3	451402-011	10/04/21 12:20	Soil
S-4-5	451402-012	10/04/21 12:36	Soil
S-5-1	451402-013	10/04/21 13:01	Soil
S-6-1	451402-014	10/04/21 13:56	Soil
S-6-3	451402-015	10/04/21 14:06	Soil
S-6-5	451402-016	10/04/21 14:18	Soil

Case Narrative

EarthCon Consultants CA, Inc. 1100 W. Town and Country Rd Suite 200 Orange, CA 92868 Becky Sundilson	Lab Job Number: 451402 Project No: CLOW Location: Clow - 1375 Magnolia Ave Date Received: 10/04/21

This data package contains sample and QC results for sixteen soil samples, requested for the above referenced project on 10/04/21. The samples were received cold and intact.

PCBs (EPA 8082):

High surrogate recoveries were observed for decachlorobiphenyl (PCB surrogate) in many samples. S-3-1 (lab # 451402-007) was diluted due to the dark and viscous nature of the sample extract. No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record — Lab No: 451402 — Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	X
2 Day:	X	1 Day:	~~3w~~	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Earthcon Consultants	Quote #:	EAR051921
Report To:	Becky Sundilson	Proj. Name:	C/ow
Email:	BSundilson@earthcon.com	Proj. #:	
Address:	1100 Town and Country Rd	P.O. #:	
	Suite 200 Orange CA	Address:	1375 Magnolia Ave
Phone:	(714) 321-8626	Global ID:	
Fax:		Sampled By:	LML

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: X 8082a-PCBs - Soxhlet
1	S-1-1	10/04/21	0840	S	1/4oz	—	X
2	S-1-3	10/04/21	0909	S	1/4oz	—	X
3	S-1-5	10/04/21	0930	S	1/4oz	—	X
4	S-2-1	10/04/21	1010	S	1/4oz	—	X
5	S-2-3	10/04/21	1015	S	1/4oz	—	X
6	S-2-5	10/04/21	1030	S	1/4oz	—	X
7	S-3-1	10/04/21	1058	S	1/4oz	—	X
8	S-3-3	10/04/21	1108	S	1/4oz	—	X
9	S-3-5	10/04/21	1132	S	1/4oz	—	X
10							

Test Instructions / Comments: ~~48~~ 72hr TAT if possible otherwise 72hr. See Dan or Patty

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	L Langer	Lindsay Langer	Earthcon/Staff Scientist	10/4/21 1545
1 Received By:				10/4/21 1545
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

5.8/1.9

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 451402

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	X
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Earthcon Consultants	Quote #:	EAR051921
Report To:	Becky Sundilson	Proj. Name:	Claw
Email:	BSundilson@earthcon.com	Proj. #:	
Address:	1100 Town and Country Rd	P.O. #:	
	Suite 200 Orange, CA	Address:	1375 Magnolia Ave,
Phone:	(714) 321-8020	Global ID:	
Fax:		Sampled By:	LML

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	8082-PCBs Soxhlet	Test Instructions / Comments
1	S-4-1	10/04/21	1204	S	1|4oz	—	X	48hr TAT if possible otherwise 72hour see Dan or Patty
2	S-4-3	10/04/21	1220	S	1|4oz	—	X	
3	S-4-5	10/04/21	1236	S	1|4oz	—	X	
4	S-5-1	10/04/21	1301	S	1|4oz	—	X	
5	S-6-1	10/04/21	1356	S	1|4oz	—	X	
6	S-6-3	10/04/21	1410	S	1|4oz	—	X	
7	S-6-5	10/04/21	1418	S	1|4oz	—	X	
8								
9								
10								

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	LSangfer	Lindsey Langer FedEx	Earthcon/Staff Scientist	10/4/21 1945
[1] Received By:				10/4/21 1545
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: EARTHCON CONSULTANTS Project: CLOW

Date Received: 10/4/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.9 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

_____

_____

_____

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 10/4/21

ENTHALPY ANALYTICAL

Analysis Results for 451402

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #: 451402
Project No: CLOW
Location: Clow - 1375 Magnolia Ave
Date Received: 10/04/21

Sample ID: S-1-1 **Lab ID: 451402-001** **Collected: 10/04/21 08:40**
Matrix: Soil

451402-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	2,500	25	275139	10/04/21	10/07/21	MTS
Aroclor-1221	ND		ug/Kg	1,200	25	275139	10/04/21	10/07/21	MTS
Aroclor-1232	ND		ug/Kg	1,200	25	275139	10/04/21	10/07/21	MTS
Aroclor-1242	ND		ug/Kg	1,200	25	275139	10/04/21	10/07/21	MTS
Aroclor-1248	**36,000**		ug/Kg	9,900	200	275139	10/04/21	10/11/21	TRN
Aroclor-1254	**18,000**		ug/Kg	9,900	200	275139	10/04/21	10/08/21	TRN
Aroclor-1260	ND		ug/Kg	1,200	25	275139	10/04/21	10/07/21	MTS
Aroclor-1262	ND		ug/Kg	1,200	25	275139	10/04/21	10/07/21	MTS
Aroclor-1268	ND		ug/Kg	1,200	25	275139	10/04/21	10/07/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	171%	*	%REC	19-121	25	275139	10/04/21	10/07/21	MTS

Sample ID: S-1-3 **Lab ID: 451402-002** **Collected: 10/04/21 09:09**
Matrix: Soil

451402-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	500	5	275139	10/04/21	10/07/21	MTS
Aroclor-1221	ND		ug/Kg	250	5	275139	10/04/21	10/07/21	MTS
Aroclor-1232	ND		ug/Kg	250	5	275139	10/04/21	10/07/21	MTS
Aroclor-1242	ND		ug/Kg	250	5	275139	10/04/21	10/07/21	MTS
Aroclor-1248	**1,800**		ug/Kg	500	10	275139	10/04/21	10/11/21	TRN
Aroclor-1254	**1,500**		ug/Kg	500	10	275139	10/04/21	10/08/21	TRN
Aroclor-1260	**2,400**		ug/Kg	250	5	275139	10/04/21	10/07/21	MTS
Aroclor-1262	ND		ug/Kg	250	5	275139	10/04/21	10/07/21	MTS
Aroclor-1268	ND		ug/Kg	250	5	275139	10/04/21	10/07/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	107%		%REC	19-121	5	275139	10/04/21	10/07/21	MTS

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451402

Sample ID: S-1-5	Lab ID: 451402-003	Collected: 10/04/21 09:30
	Matrix: Soil	

451402-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	5,000	50	275139	10/04/21	10/07/21	MTS
Aroclor-1221	ND		ug/Kg	2,500	50	275139	10/04/21	10/07/21	MTS
Aroclor-1232	ND		ug/Kg	2,500	50	275139	10/04/21	10/07/21	MTS
Aroclor-1242	ND		ug/Kg	2,500	50	275139	10/04/21	10/07/21	MTS
Aroclor-1248	ND		ug/Kg	2,500	50	275139	10/04/21	10/07/21	MTS
Aroclor-1254	ND		ug/Kg	2,500	50	275139	10/04/21	10/07/21	MTS
Aroclor-1260	ND		ug/Kg	2,500	50	275139	10/04/21	10/07/21	MTS
Aroclor-1262	ND		ug/Kg	2,500	50	275139	10/04/21	10/07/21	MTS
Aroclor-1268	ND		ug/Kg	2,500	50	275139	10/04/21	10/07/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	206%	*	%REC	19-121	50	275139	10/04/21	10/07/21	MTS

Sample ID: S-2-1	Lab ID: 451402-004	Collected: 10/04/21 10:10
	Matrix: Soil	

451402-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	4,900	49	275139	10/04/21	10/07/21	MTS
Aroclor-1221	ND		ug/Kg	2,500	49	275139	10/04/21	10/07/21	MTS
Aroclor-1232	ND		ug/Kg	2,500	49	275139	10/04/21	10/07/21	MTS
Aroclor-1242	ND		ug/Kg	2,500	49	275139	10/04/21	10/07/21	MTS
Aroclor-1248	**21,000**		ug/Kg	4,900	98	275139	10/04/21	10/11/21	TRN
Aroclor-1254	**14,000**		ug/Kg	4,900	98	275139	10/04/21	10/08/21	TRN
Aroclor-1260	**6,100**		ug/Kg	4,900	98	275139	10/04/21	10/08/21	TRN
Aroclor-1262	ND		ug/Kg	2,500	49	275139	10/04/21	10/07/21	MTS
Aroclor-1268	ND		ug/Kg	2,500	49	275139	10/04/21	10/07/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	287%	*	%REC	19-121	49	275139	10/04/21	10/07/21	MTS

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451402

Sample ID: S-2-3	Lab ID: 451402-005	Collected: 10/04/21 10:15
	Matrix: Soil	

451402-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	5,000	50	275139	10/04/21	10/08/21	TRN
Aroclor-1221	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1232	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1242	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1248	**20,000**		ug/Kg	5,000	100	275139	10/04/21	10/11/21	TRN
Aroclor-1254	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1260	**3,600**		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1262	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1268	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	123%	*	%REC	19-121	50	275139	10/04/21	10/08/21	TRN

Sample ID: S-2-5	Lab ID: 451402-006	Collected: 10/04/21 10:30
	Matrix: Soil	

451402-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	5,000	50	275139	10/04/21	10/11/21	TRN
Aroclor-1221	ND		ug/Kg	2,500	50	275139	10/04/21	10/11/21	TRN
Aroclor-1232	ND		ug/Kg	2,500	50	275139	10/04/21	10/11/21	TRN
Aroclor-1242	ND		ug/Kg	2,500	50	275139	10/04/21	10/11/21	TRN
Aroclor-1248	**19,000**		ug/Kg	2,500	50	275139	10/04/21	10/11/21	TRN
Aroclor-1254	ND		ug/Kg	2,500	50	275139	10/04/21	10/11/21	TRN
Aroclor-1260	**3,800**		ug/Kg	2,500	50	275139	10/04/21	10/11/21	TRN
Aroclor-1262	ND		ug/Kg	2,500	50	275139	10/04/21	10/11/21	TRN
Aroclor-1268	ND		ug/Kg	2,500	50	275139	10/04/21	10/11/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	94%		%REC	19-121	50	275139	10/04/21	10/11/21	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451402

Sample ID: S-3-1	Lab ID: 451402-007	Collected: 10/04/21 10:58
	Matrix: Soil	

451402-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	5,000	50	275139	10/04/21	10/08/21	TRN
Aroclor-1221	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1232	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1242	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1248	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1254	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1260	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1262	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1268	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	133%	*	%REC	19-121	50	275139	10/04/21	10/08/21	TRN

Sample ID: S-3-3	Lab ID: 451402-008	Collected: 10/04/21 11:08
	Matrix: Soil	

451402-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	5,000	50	275139	10/04/21	10/08/21	TRN
Aroclor-1221	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1232	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1242	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1248	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1254	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1260	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1262	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Aroclor-1268	ND		ug/Kg	2,500	50	275139	10/04/21	10/08/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	92%		%REC	19-121	50	275139	10/04/21	10/08/21	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451402

Sample ID: S-3-5	Lab ID: 451402-009	Collected: 10/04/21 11:32
	Matrix: Soil	

451402-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	98	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1221	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1232	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1242	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1248	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1254	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1260	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1262	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1268	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	77%		%REC	19-121	0.98	275243	10/05/21	10/08/21	TRN

Sample ID: S-4-1	Lab ID: 451402-010	Collected: 10/04/21 12:04
	Matrix: Soil	

451402-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	200	2	275243	10/05/21	10/08/21	TRN
Aroclor-1221	ND		ug/Kg	98	2	275243	10/05/21	10/08/21	TRN
Aroclor-1232	ND		ug/Kg	98	2	275243	10/05/21	10/08/21	TRN
Aroclor-1242	ND		ug/Kg	98	2	275243	10/05/21	10/08/21	TRN
Aroclor-1248	ND		ug/Kg	98	2	275243	10/05/21	10/08/21	TRN
Aroclor-1254	ND		ug/Kg	98	2	275243	10/05/21	10/08/21	TRN
Aroclor-1260	**150**		ug/Kg	98	2	275243	10/05/21	10/08/21	TRN
Aroclor-1262	ND		ug/Kg	98	2	275243	10/05/21	10/08/21	TRN
Aroclor-1268	ND		ug/Kg	98	2	275243	10/05/21	10/08/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	98%		%REC	19-121	2	275243	10/05/21	10/08/21	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451402

Sample ID: S-4-3	Lab ID: 451402-011	Collected: 10/04/21 12:20
	Matrix: Soil	

451402-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	98	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1221	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1232	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1242	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1248	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1254	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1260	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1262	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1268	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	70%		%REC	19-121	0.98	275243	10/05/21	10/08/21	TRN

Sample ID: S-4-5	Lab ID: 451402-012	Collected: 10/04/21 12:36
	Matrix: Soil	

451402-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275243	10/05/21	10/08/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	79%		%REC	19-121	1	275243	10/05/21	10/08/21	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451402

Sample ID: S-5-1	Lab ID: 451402-013	Collected: 10/04/21 13:01
	Matrix: Soil	

451402-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	98	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1221	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1232	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1242	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1248	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1254	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1260	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1262	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Aroclor-1268	ND		ug/Kg	49	0.98	275243	10/05/21	10/08/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	77%		%REC	19-121	0.98	275243	10/05/21	10/08/21	TRN

Sample ID: S-6-1	Lab ID: 451402-014	Collected: 10/04/21 13:56
	Matrix: Soil	

451402-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275243	10/05/21	10/08/21	TRN
Aroclor-1221	ND		ug/Kg	51	1	275243	10/05/21	10/08/21	TRN
Aroclor-1232	ND		ug/Kg	51	1	275243	10/05/21	10/08/21	TRN
Aroclor-1242	ND		ug/Kg	51	1	275243	10/05/21	10/08/21	TRN
Aroclor-1248	ND		ug/Kg	51	1	275243	10/05/21	10/08/21	TRN
Aroclor-1254	ND		ug/Kg	51	1	275243	10/05/21	10/08/21	TRN
Aroclor-1260	ND		ug/Kg	51	1	275243	10/05/21	10/08/21	TRN
Aroclor-1262	ND		ug/Kg	51	1	275243	10/05/21	10/08/21	TRN
Aroclor-1268	ND		ug/Kg	51	1	275243	10/05/21	10/08/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	60%		%REC	19-121	1	275243	10/05/21	10/08/21	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451402

Sample ID: S-6-3	Lab ID: 451402-015	Collected: 10/04/21 14:06
	Matrix: Soil	

451402-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275243	10/05/21	10/08/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	82%		%REC	19-121	1	275243	10/05/21	10/08/21	TRN

Sample ID: S-6-5	Lab ID: 451402-016	Collected: 10/04/21 14:18
	Matrix: Soil	

451402-016 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275243	10/05/21	10/08/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	275243	10/05/21	10/08/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	78%		%REC	19-121	1	275243	10/05/21	10/08/21	TRN

* Value is outside QC limits
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC947255**	**Batch: 275139**
Matrix: Miscell.	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC947255 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	99	10/04/21	10/04/21
Aroclor-1221	ND		ug/Kg	50	10/04/21	10/04/21
Aroclor-1232	ND		ug/Kg	50	10/04/21	10/04/21
Aroclor-1242	ND		ug/Kg	50	10/04/21	10/04/21
Aroclor-1248	ND		ug/Kg	50	10/04/21	10/04/21
Aroclor-1254	ND		ug/Kg	50	10/04/21	10/04/21
Aroclor-1260	ND		ug/Kg	50	10/04/21	10/04/21
Aroclor-1262	ND		ug/Kg	50	10/04/21	10/04/21
Aroclor-1268	ND		ug/Kg	50	10/04/21	10/04/21
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	102%		%REC	19-121	10/04/21	10/04/21

Type: Lab Control Sample	**Lab ID: QC947256**	**Batch: 275139**
Matrix: Miscell.	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC947256 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	441.8	505.1	ug/Kg	87%		14-150
Aroclor-1260	433.0	505.1	ug/Kg	86%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	49.91	50.51	ug/Kg	99%		19-121

Type: Lab Control Sample Duplicate	**Lab ID: QC947257**	**Batch: 275139**
Matrix: Miscell.	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC947257 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	466.0	495.0	ug/Kg	94%		14-150	7	20
Aroclor-1260	455.3	495.0	ug/Kg	92%		10-150	7	20
Surrogates								
Decachlorobiphenyl (PCB)	51.28	49.50	ug/Kg	104%		19-121		

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC947565**	**Batch: 275243**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC947565 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	99	10/05/21	10/08/21
Aroclor-1221	ND		ug/Kg	50	10/05/21	10/08/21
Aroclor-1232	ND		ug/Kg	50	10/05/21	10/08/21
Aroclor-1242	ND		ug/Kg	50	10/05/21	10/08/21
Aroclor-1248	ND		ug/Kg	50	10/05/21	10/08/21
Aroclor-1254	ND		ug/Kg	50	10/05/21	10/08/21
Aroclor-1260	ND		ug/Kg	50	10/05/21	10/08/21
Aroclor-1262	ND		ug/Kg	50	10/05/21	10/08/21
Aroclor-1268	ND		ug/Kg	50	10/05/21	10/08/21
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	76%		%REC	19-121	10/05/21	10/08/21

Type: Lab Control Sample	**Lab ID: QC947566**	**Batch: 275243**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC947566 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	320.8	495.0	ug/Kg	65%		14-150
Aroclor-1260	330.2	495.0	ug/Kg	67%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	36.37	49.50	ug/Kg	73%		19-121

Type: Lab Control Sample Duplicate	**Lab ID: QC947567**	**Batch: 275243**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC947567 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
Aroclor-1016	319.7	495.0	ug/Kg	65%		14-150	0	20
Aroclor-1260	335.5	495.0	ug/Kg	68%		10-150	2	20
Surrogates								
Decachlorobiphenyl (PCB)	38.28	49.50	ug/Kg	77%		19-121		

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

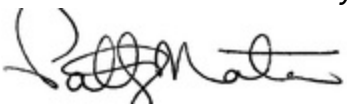
Lab Job Number: 451564
Report Level: II
Report Date: 10/12/2021

Analytical Report *prepared for:*

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Project: CLOW - CLOW - EAR051921

Authorized for release by:



Patty Mata, Project Manager
patty.mata@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# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #:	451564
Project No:	CLOW
Location:	CLOW - EAR051921
Date Received:	10/06/21

Sample ID	Lab ID	Collected	Matrix
S-7-1	451564-001	10/05/21 07:40	Soil
S-8-1	451564-002	10/05/21 08:12	Soil
S-8-3	451564-003	10/05/21 08:23	Soil
S-8-5	451564-004	10/05/21 09:25	Soil
S-9-1	451564-005	10/05/21 09:53	Soil
S-9-3	451564-006	10/05/21 10:16	Soil
S-9-5	451564-007	10/05/21 10:42	Soil
S-10-1	451564-008	10/05/21 11:28	Soil
S-11-1	451564-009	10/05/21 14:30	Soil
S-11-3	451564-010	10/05/21 14:30	Soil
S-11-5	451564-011	10/05/21 14:52	Soil
S-12-1	451564-012	10/05/21 15:20	Soil
S-12-3	451564-013	10/05/21 15:35	Soil
S-12-5	451564-014	10/05/21 16:12	Soil

Case Narrative

EarthCon Consultants CA, Inc. 1100 W. Town and Country Rd Suite 200 Orange, CA 92868 Becky Sundilson	Lab Job Number: 451564 Project No: CLOW Location: CLOW - EAR051921 Date Received: 10/06/21

This data package contains sample and QC results for fourteen soil samples, requested for the above referenced project on 10/06/21. The samples were received cold and intact.

PCBs (EPA 8082):

S-12-1 (lab # 451564-012) was diluted due to the color of the sample extract. No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Chain of Custody Record
Lab No: 451564
Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	X
2 Day:	X	1 Day:		Custom TAT:	

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Earthcon Consultants	Quote #:	EAR051921
Report To:	Becky Sundilson	Proj. Name:	Olow
Email:	BSundilson@earthcon.com	Proj. #:	
Address:	1100 Town and Country Rd	P.O. #:	
	Suite 200 Orange, CA	Address:	1375 Magnolia Ave
Phone:	(714) 321-8626	Global ID:	
Fax:		Sampled By:	LML

Analysis Request: 8082 PCBs - Soxhlet

Test Instructions / Comments: 48hr TAT if possible otherwise 72hr. See Dan or Patty

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	8082 PCBs - Soxhlet
1	S-7-1	10/05/21	0740	S	1 / 4oz	—	X
2	S-8-1	10/05/21	0812	S	1 / 4oz	—	X
3	S-8-3	10/05/21	0823	S	1 / 4oz	—	X
4	S-8-5	10/05/21	0925	S	1 / 4oz	—	X
5	S-9-1	10/05/21	0953	S	1 / 4oz	—	X
6	S-9-3	10/05/21	1016	S	1 / 4oz	—	X
7	S-9-5	10/05/21	1042	S	1 / 4oz	—	X
8	S-10-1	10/05/21	1128	S	1 / 4oz	—	X
9	~~S-11-1~~	~~10/05/21~~	~~1313~~	~~S~~	~~1 / 4oz~~	~~—~~	~~X~~
10	S-11-1	10/05/21	1430	S	1 / 4oz	—	X

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	LLanger	Lindsey Langer	Earthcon / Staff Scientist	10/06/21 1416
1 Received By:	[signature]	E.A.	E.A.	10/06/21 1416
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 45/564

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	X
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Earthcon Consultants	Quote #:	EARO51921
Report To:	Beck Sundilson	Proj. Name:	Clow
Email:	BSundilson@earthcon.com	Proj. #:	
Address:	1100 Town and Country Rd Suite 200 Orange, CA	P.O. #:	
		Address:	1315 Magnolia Ave
Phone:	(714) 321-8818	Global ID:	
Fax:		Sampled By:	LML

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	8082 - PCBs Soxhlet	Test Instructions / Comments
1	S-11-3	10/05/21	1430	S	1 | 4oz	—	X	48hr TAT if possible otherwise 72hr. See Dan or Patty
2	S-11-5	10/05/21	1452	S	1 | 4oz	—	X	
3	S-12-1	10/05/21	1520	S	1 | 4oz	—	X	
4	S-12-3	10/05/21	1536	S	1 | 4oz	—	X	
5	S-12-5	10/05/21	1612	S	1 | 4oz	—	X	
6								
7								
8								
9								
10								

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	L Ranger	Lindsey Ranger	Earthcon/Staff Scientist	10/06/21 1416
[1] Received By:	Yvonne Sylvestri	Yvonne Sylvestri	E.A.	10/06/21 14:16
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Earthcon Consultants Project: Clow

Date Received: 10/06/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.0 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Water seen in Sample jars: 2,8,6,11,12. Time on the jar for sample 10 is 14:40.

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☑ Email (email sent to/on): PAM / 10/6/21

Project Manager's response:

Completed By: _____ Date: 10/06/21

ENTHALPY ANALYTICAL

Analysis Results for 451564

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #: 451564
Project No: CLOW
Location: CLOW - EAR051921
Date Received: 10/06/21

Sample ID: S-7-1 **Lab ID: 451564-001** **Collected: 10/05/21 07:40**
Matrix: Soil

451564-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275374	10/07/21	10/08/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	62%		%REC	19-121	1	275374	10/07/21	10/08/21	TJW

Sample ID: S-8-1 **Lab ID: 451564-002** **Collected: 10/05/21 08:12**
Matrix: Soil

451564-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275374	10/07/21	10/08/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	67%		%REC	19-121	1	275374	10/07/21	10/08/21	TJW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 451564

Sample ID: S-8-3	Lab ID: 451564-003	Collected: 10/05/21 08:23
	Matrix: Soil	

451564-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275374	10/07/21	10/08/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	67%		%REC	19-121	1	275374	10/07/21	10/08/21	TJW

Sample ID: S-8-5	Lab ID: 451564-004	Collected: 10/05/21 09:25
	Matrix: Soil	

451564-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275374	10/07/21	10/08/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	70%		%REC	19-121	1	275374	10/07/21	10/08/21	TJW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 451564

Sample ID: S-9-1	Lab ID: 451564-005	Collected: 10/05/21 09:53
	Matrix: Soil	

451564-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	5,000	50	275374	10/07/21	10/11/21	TRN
Aroclor-1221	ND		ug/Kg	2,500	50	275374	10/07/21	10/11/21	TRN
Aroclor-1232	ND		ug/Kg	2,500	50	275374	10/07/21	10/11/21	TRN
Aroclor-1242	ND		ug/Kg	2,500	50	275374	10/07/21	10/11/21	TRN
Aroclor-1248	**26,000**		ug/Kg	2,500	50	275374	10/07/21	10/11/21	TRN
Aroclor-1254	ND		ug/Kg	2,500	50	275374	10/07/21	10/11/21	TRN
Aroclor-1260	**23,000**		ug/Kg	2,500	50	275374	10/07/21	10/11/21	TRN
Aroclor-1262	ND		ug/Kg	2,500	50	275374	10/07/21	10/11/21	TRN
Aroclor-1268	ND		ug/Kg	2,500	50	275374	10/07/21	10/11/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	93%		%REC	19-121	50	275374	10/07/21	10/11/21	TRN

Sample ID: S-9-3	Lab ID: 451564-006	Collected: 10/05/21 10:16
	Matrix: Soil	

451564-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275374	10/07/21	10/08/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1248	**310**		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1260	**370**		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	34%		%REC	19-121	1	275374	10/07/21	10/08/21	TJW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 451564

Sample ID: S-9-5	Lab ID: 451564-007	Collected: 10/05/21 10:42
	Matrix: Soil	

451564-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275374	10/07/21	10/08/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1248	**83**		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1260	**71**		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	64%		%REC	19-121	1	275374	10/07/21	10/08/21	TJW

Sample ID: S-10-1	Lab ID: 451564-008	Collected: 10/05/21 11:28
	Matrix: Soil	

451564-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	10,000	100	275374	10/07/21	10/11/21	TRN
Aroclor-1221	ND		ug/Kg	5,000	100	275374	10/07/21	10/11/21	TRN
Aroclor-1232	ND		ug/Kg	5,000	100	275374	10/07/21	10/11/21	TRN
Aroclor-1242	ND		ug/Kg	5,000	100	275374	10/07/21	10/11/21	TRN
Aroclor-1248	**49,000**		ug/Kg	5,000	100	275374	10/07/21	10/11/21	TRN
Aroclor-1254	ND		ug/Kg	5,000	100	275374	10/07/21	10/11/21	TRN
Aroclor-1260	**16,000**		ug/Kg	5,000	100	275374	10/07/21	10/11/21	TRN
Aroclor-1262	ND		ug/Kg	5,000	100	275374	10/07/21	10/11/21	TRN
Aroclor-1268	ND		ug/Kg	5,000	100	275374	10/07/21	10/11/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)		DO	%REC	19-121	100	275374	10/07/21	10/11/21	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 451564

Sample ID: S-11-1	Lab ID: 451564-009	Collected: 10/05/21 14:30
	Matrix: Soil	

451564-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	20,000	200	275374	10/07/21	10/11/21	TRN
Aroclor-1221	ND		ug/Kg	10,000	200	275374	10/07/21	10/11/21	TRN
Aroclor-1232	ND		ug/Kg	10,000	200	275374	10/07/21	10/11/21	TRN
Aroclor-1242	ND		ug/Kg	10,000	200	275374	10/07/21	10/11/21	TRN
Aroclor-1248	**110,000**		ug/Kg	10,000	200	275374	10/07/21	10/11/21	TRN
Aroclor-1254	ND		ug/Kg	10,000	200	275374	10/07/21	10/11/21	TRN
Aroclor-1260	**32,000**		ug/Kg	10,000	200	275374	10/07/21	10/11/21	TRN
Aroclor-1262	ND		ug/Kg	10,000	200	275374	10/07/21	10/11/21	TRN
Aroclor-1268	ND		ug/Kg	10,000	200	275374	10/07/21	10/11/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)		DO	%REC	19-121	200	275374	10/07/21	10/11/21	TRN

Sample ID: S-11-3	Lab ID: 451564-010	Collected: 10/05/21 14:30
	Matrix: Soil	

451564-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275374	10/07/21	10/08/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1248	**70**		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	66%		%REC	19-121	1	275374	10/07/21	10/08/21	TJW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 451564

Sample ID: S-11-5	Lab ID: 451564-011	Collected: 10/05/21 14:52
	Matrix: Soil	

451564-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275374	10/07/21	10/08/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1248	**230**		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1260	**110**		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	58%		%REC	19-121	1	275374	10/07/21	10/08/21	TJW

Sample ID: S-12-1	Lab ID: 451564-012	Collected: 10/05/21 15:20
	Matrix: Soil	

451564-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	200	2	275374	10/07/21	10/08/21	TRN
Aroclor-1221	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TRN
Aroclor-1232	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TRN
Aroclor-1242	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TRN
Aroclor-1248	**300**		ug/Kg	100	2	275374	10/07/21	10/08/21	TRN
Aroclor-1254	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TRN
Aroclor-1260	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TRN
Aroclor-1262	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TRN
Aroclor-1268	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	70%		%REC	19-121	2	275374	10/07/21	10/08/21	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 451564

Sample ID: S-12-3	Lab ID: 451564-013	Collected: 10/05/21 15:35
	Matrix: Soil	

451564-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275374	10/07/21	10/08/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	64%		%REC	19-121	1	275374	10/07/21	10/08/21	TJW

Sample ID: S-12-5	Lab ID: 451564-014	Collected: 10/05/21 16:12
	Matrix: Soil	

451564-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275374	10/07/21	10/08/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	66%		%REC	19-121	1	275374	10/07/21	10/08/21	TJW

DO Diluted Out
ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC947944	Batch: 275374
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3541

QC947944 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	100	10/07/21	10/08/21
Aroclor-1221	ND		ug/Kg	50	10/07/21	10/08/21
Aroclor-1232	ND		ug/Kg	50	10/07/21	10/08/21
Aroclor-1242	ND		ug/Kg	50	10/07/21	10/08/21
Aroclor-1248	ND		ug/Kg	50	10/07/21	10/08/21
Aroclor-1254	ND		ug/Kg	50	10/07/21	10/08/21
Aroclor-1260	ND		ug/Kg	50	10/07/21	10/08/21
Aroclor-1262	ND		ug/Kg	50	10/07/21	10/08/21
Aroclor-1268	ND		ug/Kg	50	10/07/21	10/08/21
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	68%		%REC	19-121	10/07/21	10/08/21

Type: Matrix Spike	Lab ID: QC947945	Batch: 275374
Matrix (Source ID): Soil (451564-001)	Method: EPA 8082	Prep Method: EPA 3541

QC947945 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	312.4	ND	500.0	ug/Kg	62%		42-127	1
Aroclor-1260	338.7	ND	500.0	ug/Kg	68%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	37.23		50.00	ug/Kg	74%		19-121	1

Type: Matrix Spike Duplicate	Lab ID: QC947946	Batch: 275374
Matrix (Source ID): Soil (451564-001)	Method: EPA 8082	Prep Method: EPA 3541

QC947946 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	324.3	ND	500.0	ug/Kg	65%		42-127	4	30	1
Aroclor-1260	313.9	ND	500.0	ug/Kg	63%		38-130	8	30	1
Surrogates										
Decachlorobiphenyl (PCB)	33.03		50.00	ug/Kg	66%		19-121			1

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC947947**	**Batch: 275374**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC947947 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	301.3	500.0	ug/Kg	60%		14-150
Aroclor-1260	300.4	500.0	ug/Kg	60%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	32.45	50.00	ug/Kg	65%		19-121

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

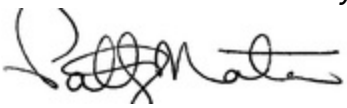
Lab Job Number: 451567
Report Level: II
Report Date: 10/12/2021

Analytical Report *prepared for:*

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Project: CLOW - CLOW - EAR051921

Authorized for release by:



Patty Mata, Project Manager
patty.mata@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# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #:	451567
Project No:	CLOW
Location:	CLOW - EAR051921
Date Received:	10/06/21

Sample ID	Lab ID	Collected	Matrix
S-13-1	451567-001	10/06/21 08:40	Soil
S-14-1	451567-002	10/06/21 09:41	Soil
S-15-1	451567-003	10/06/21 10:17	Soil
S-15-3	451567-004	10/06/21 10:37	Soil
S-16-1	451567-005	10/06/21 12:20	Soil
S-16-3	451567-006	10/06/21 13:03	Soil

ENTHALPY ANALYTICAL

Case Narrative

EarthCon Consultants CA, Inc. 1100 W. Town and Country Rd Suite 200 Orange, CA 92868 Becky Sundilson	Lab Job Number: 451567 Project No: CLOW Location: CLOW - EAR051921 Date Received: 10/06/21

This data package contains sample and QC results for six soil samples, requested for the above referenced project on 10/06/21. The samples were received cold and intact.

PCBs (EPA 8082):

A number of samples were diluted due to the dark color of the sample extracts. No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 451567

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	X
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Earthcon Consultants	Quote #:	EAROS1921
Report To:	Becky Sundilson	Proj. Name:	Clow
Email:	Bsundilson@earthcon.com	Proj. #:	
Address:	1100 Town and country Rd	P.O. #:	
	Suite 200 orange, CA	Address:	1375 Magnolia Ave
Phone:	(714) 321-8626	Global ID:	
Fax:		Sampler:	ML

Analysis Request: 8082 - PCBs soxhlet

Test Instructions / Comments: 48hr TAT if possible otherwise 72hr. See Dan or Patty

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	8082 - PCBs soxhlet
1	S-13-1	10/06/21	0840	S	1 | 4oz	—	X
2	S-14-1	10/06/21	0941	S	1 | 4oz	—	X
3	S-15-1	10/06/21	1017	S	1 | 4oz	—	X
4	S-15-3	10/06/21	1037	S	1 | 4oz	—	X
5	S-16-1	10/06/21	1220	S	1 | 4oz	—	X
6	S-16-3	10/06/21	1303	S	1 | 4oz	—	X
7							
8							
9							
10							

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	A Ranger	Lindsey Langer	Earthcon / Staff Scientist	10/06/21 1416
[1] Received By:	Geena Sylvestri	Geena Sylvestri	E.A.	10/6/21 14:16
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

5.9/2.4

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Earthcon Consultants Project: CLOW

Date Received: 10/6/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.9 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 3.4 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓	✓	
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

sample 004 had water in it.

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☑ Email (email sent to/on): PAM / 10/6/21

Project Manager's response:

Completed By: Deena Sylvestri Date: 10/6/21

ENTHALPY ANALYTICAL

Analysis Results for 451567

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #: 451567
Project No: CLOW
Location: CLOW - EAR051921
Date Received: 10/06/21

Sample ID: S-13-1 **Lab ID: 451567-001** **Collected: 10/06/21 08:40**
Matrix: Soil

451567-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	500	5	275374	10/07/21	10/08/21	TJW
Aroclor-1221	ND		ug/Kg	250	5	275374	10/07/21	10/08/21	TJW
Aroclor-1232	ND		ug/Kg	250	5	275374	10/07/21	10/08/21	TJW
Aroclor-1242	ND		ug/Kg	250	5	275374	10/07/21	10/08/21	TJW
Aroclor-1248	ND		ug/Kg	250	5	275374	10/07/21	10/08/21	TJW
Aroclor-1254	ND		ug/Kg	250	5	275374	10/07/21	10/08/21	TJW
Aroclor-1260	ND		ug/Kg	250	5	275374	10/07/21	10/08/21	TJW
Aroclor-1262	ND		ug/Kg	250	5	275374	10/07/21	10/08/21	TJW
Aroclor-1268	ND		ug/Kg	250	5	275374	10/07/21	10/08/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	60%		%REC	19-121	5	275374	10/07/21	10/08/21	TJW

Sample ID: S-14-1 **Lab ID: 451567-002** **Collected: 10/06/21 09:41**
Matrix: Soil

451567-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	200	2	275374	10/07/21	10/08/21	TJW
Aroclor-1221	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TJW
Aroclor-1232	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TJW
Aroclor-1242	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TJW
Aroclor-1248	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TJW
Aroclor-1254	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TJW
Aroclor-1260	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TJW
Aroclor-1262	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TJW
Aroclor-1268	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	57%		%REC	19-121	2	275374	10/07/21	10/08/21	TJW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 451567

Sample ID: S-15-1	Lab ID: 451567-003	Collected: 10/06/21 10:17
	Matrix: Soil	

451567-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	200	2	275374	10/07/21	10/08/21	TJW
Aroclor-1221	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TJW
Aroclor-1232	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TJW
Aroclor-1242	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TJW
Aroclor-1248	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TJW
Aroclor-1254	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TJW
Aroclor-1260	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TJW
Aroclor-1262	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TJW
Aroclor-1268	ND		ug/Kg	100	2	275374	10/07/21	10/08/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	69%		%REC	19-121	2	275374	10/07/21	10/08/21	TJW

Sample ID: S-15-3	Lab ID: 451567-004	Collected: 10/06/21 10:37
	Matrix: Soil	

451567-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275374	10/07/21	10/08/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275374	10/07/21	10/08/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	67%		%REC	19-121	1	275374	10/07/21	10/08/21	TJW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 451567

Sample ID: S-16-1	Lab ID: 451567-005	Collected: 10/06/21 12:20
	Matrix: Soil	

451567-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	500	5	275374	10/07/21	10/11/21	TRN
Aroclor-1221	ND		ug/Kg	250	5	275374	10/07/21	10/11/21	TRN
Aroclor-1232	ND		ug/Kg	250	5	275374	10/07/21	10/11/21	TRN
Aroclor-1242	ND		ug/Kg	250	5	275374	10/07/21	10/11/21	TRN
Aroclor-1248	ND		ug/Kg	250	5	275374	10/07/21	10/11/21	TRN
Aroclor-1254	ND		ug/Kg	250	5	275374	10/07/21	10/11/21	TRN
Aroclor-1260	ND		ug/Kg	250	5	275374	10/07/21	10/11/21	TRN
Aroclor-1262	ND		ug/Kg	250	5	275374	10/07/21	10/11/21	TRN
Aroclor-1268	ND		ug/Kg	250	5	275374	10/07/21	10/11/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	91%		%REC	19-121	5	275374	10/07/21	10/11/21	TRN

Sample ID: S-16-3	Lab ID: 451567-006	Collected: 10/06/21 13:03
	Matrix: Soil	

451567-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275374	10/07/21	10/11/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	275374	10/07/21	10/11/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	275374	10/07/21	10/11/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	275374	10/07/21	10/11/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	275374	10/07/21	10/11/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	275374	10/07/21	10/11/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	275374	10/07/21	10/11/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	275374	10/07/21	10/11/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	275374	10/07/21	10/11/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	48%		%REC	19-121	1	275374	10/07/21	10/11/21	TRN

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC947944**	**Batch: 275374**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC947944 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	100	10/07/21	10/08/21
Aroclor-1221	ND		ug/Kg	50	10/07/21	10/08/21
Aroclor-1232	ND		ug/Kg	50	10/07/21	10/08/21
Aroclor-1242	ND		ug/Kg	50	10/07/21	10/08/21
Aroclor-1248	ND		ug/Kg	50	10/07/21	10/08/21
Aroclor-1254	ND		ug/Kg	50	10/07/21	10/08/21
Aroclor-1260	ND		ug/Kg	50	10/07/21	10/08/21
Aroclor-1262	ND		ug/Kg	50	10/07/21	10/08/21
Aroclor-1268	ND		ug/Kg	50	10/07/21	10/08/21
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	68%		%REC	19-121	10/07/21	10/08/21

Type: Matrix Spike	**Lab ID: QC947945**	**Batch: 275374**
Matrix (Source ID): Soil (451564-001)	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC947945 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	312.4	ND	500.0	ug/Kg	62%		42-127	1
Aroclor-1260	338.7	ND	500.0	ug/Kg	68%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	37.23		50.00	ug/Kg	74%		19-121	1

Type: Matrix Spike Duplicate	**Lab ID: QC947946**	**Batch: 275374**
Matrix (Source ID): Soil (451564-001)	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC947946 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	324.3	ND	500.0	ug/Kg	65%		42-127	4	30	1
Aroclor-1260	313.9	ND	500.0	ug/Kg	63%		38-130	8	30	1
Surrogates										
Decachlorobiphenyl (PCB)	33.03		50.00	ug/Kg	66%		19-121			1

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Batch QC

Type: Lab Control Sample	**Lab ID: QC947947**	**Batch: 275374**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC947947 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	301.3	500.0	ug/Kg	60%		14-150
Aroclor-1260	300.4	500.0	ug/Kg	60%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	32.45	50.00	ug/Kg	65%		19-121

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

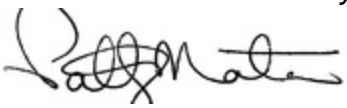
Lab Job Number: 451659
Report Level: II
Report Date: 10/12/2021

Analytical Report *prepared for:*

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Project: CLOW - Clow - 1375 Magnolia Ave

Authorized for release by:



Patty Mata, Project Manager
patty.mata@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# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #:	451659
Project No:	CLOW
Location:	Clow - 1375 Magnolia Ave
Date Received:	10/07/21

Sample ID	Lab ID	Collected	Matrix
S-17-1	451659-001	10/07/21 07:55	Soil
S-17-3	451659-002	10/07/21 08:17	Soil
S-18-1	451659-003	10/07/21 08:52	Soil
S-18-3	451659-004	10/07/21 09:04	Soil
S-18-5	451659-005	10/07/21 09:10	Soil
S-19-1	451659-006	10/07/21 09:30	Soil
S-19-3	451659-007	10/07/21 09:42	Soil
S-20-1	451659-008	10/07/21 10:28	Soil
S-20-3	451659-009	10/07/21 10:38	Soil
S-21-1	451659-010	10/07/21 11:28	Soil
S-21-3	451659-011	10/07/21 11:47	Soil
S-22-1	451659-012	10/07/21 13:27	Soil
S-22-3	451659-013	10/07/21 13:57	Soil
S-22-5	451659-014	10/07/21 14:38	Soil

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Case Narrative

EarthCon Consultants CA, Inc. 1100 W. Town and Country Rd Suite 200 Orange, CA 92868 Becky Sundilson	Lab Job Number: 451659 Project No: CLOW Location: Clow - 1375 Magnolia Ave Date Received: 10/07/21

This data package contains sample and QC results for fourteen soil samples, requested for the above referenced project on 10/07/21. The samples were received cold and intact.

PCBs (EPA 8082):

Low internal standard responses were observed for 1-bromo-2-nitrobenzene (PCB) in S-19-1 (lab # 451659-006) and S-21-3 (lab # 451659-011); affected data was qualified with "b". High internal standard responses were observed for 1-bromo-2-nitrobenzene (1248) in S-20-3 (lab # 451659-009) and S-22-1 (lab # 451659-012); the affected analyte was not detected at or above the RL in the associated samples, and affected data was qualified with "b". Response exceeding the instrument's linear range was observed for decachlorobiphenyl (PCB surrogate) in S-21-3 (lab # 451659-011); affected data was qualified with "E". High surrogate recoveries were observed for decachlorobiphenyl (PCB surrogate) in S-19-1 (lab # 451659-006) and S-21-3 (lab # 451659-011); no target analytes were detected in these samples. S-17-1 (lab # 451659-001) was diluted due to the dark color of the sample extract. No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 451659

Page: 1 of 2

Turn Around Time (rush by advanced notice only)					
Standard:		5 Day:		3 Day:	X
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 32/07 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Earthcon Consultants	Quote #:	EAROS1921
Report To:	Becky Sundilson	Proj. Name:	Glow
Email:	BSundilson@earthcon.com	Proj. #:	
Address:	1100 Town and Country Rd	P.O. #:	
	Suite 200 Orange, CA	Address:	1375 Magnolia Ave
Phone:	(714) 321-8626	Global ID:	
Fax:		Sampled By:	LML

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: 8082 PCBs - Soxhlet
1	S-17-1	10/07/21	0755	S	1 | 4oz	—	X
2	S-17-3	10/07/21	0817	S	1 | 4oz	—	X
3	S-18-1	10/07/21	0852	S	1 | 4oz	—	X
4	S-18-3	10/07/21	0904	S	1 | 4oz	—	X
5	S-18-5	10/07/21	0910	S	1 | 4oz	—	X
6	S-19-1	10/07/21	0930	S	1 | 4oz	—	X
7	S-19-3	10/07/21	0942	S	1 | 4oz	—	X
8	S-20-1	10/07/21	1028	S	1 | 4oz	—	X
9	S-20-3	10/07/21	1038	S	1 | 4oz	—	X
10	S-21-1	10/07/21	1128	S	1 | 4oz	—	X

Test Instructions / Comments: 48hr TAT if possible Otherwise 72hr. See Dan or Patty

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	L Langer	Lindsey Langer	Earthcon/Staff Scientist	1550 10/7/21
[1] Received By:		Glum	EA / Tech	1550 (5)7/21
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)					
Standard:		5 Day:		3 Day:	X
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Earthcon Consultants	Quote #:	EAR051921
Report To:	Becky Sundilson	Proj. Name:	Clow
Email:	BSundilson@earthcon.com	Proj. #:	
Address:	1100 Town and Country Rd. Suite 200 Orange, CA	P.O. #:	
		Address:	1375 Magnolia Ave
Phone:	(714) 321-8620	Global ID:	
Fax:		Sampled By:	LML

Analysis Request

8082 PCBs - Soxhlet

Test Instructions / Comments

48hr TAT if possible. Otherwise 72 hr TAT.

see Pan or Patty

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	8082 PCBs - Soxhlet
1	S-21-3	10/07/21	1147	S	1 | 4oz	—	X
2	S-22-1	10/07/21	1327	S	1 | 4oz	—	X
3	S-22-3	10/07/21	1357	S	1 | 4oz	—	X
4	S-22-5	10/07/21	1438	S	1 | 4oz	—	X
5							
6							
7							
8							
9							
10							

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Langer	Lindsey Langer	Earthcon / Staff Scientist	10/7/21 1550
[1] Received By:		Ekin	ENTH / Tech	10/7/21 1550
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Earthcon Consultants Project: Clow

Date Received: 10/07/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.2 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.7 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 10/7/21

ENTHALPY ANALYTICAL

Analysis Results for 451659

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #: 451659
Project No: CLOW
Location: Clow - 1375 Magnolia Ave
Date Received: 10/07/21

Sample ID: S-17-1 **Lab ID: 451659-001** **Collected: 10/07/21 07:55**
Matrix: Soil

451659-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	200	2	275439	10/08/21	10/08/21	TJW
Aroclor-1221	ND		ug/Kg	100	2	275439	10/08/21	10/08/21	TJW
Aroclor-1232	ND		ug/Kg	100	2	275439	10/08/21	10/08/21	TJW
Aroclor-1242	ND		ug/Kg	100	2	275439	10/08/21	10/08/21	TJW
Aroclor-1248	ND		ug/Kg	100	2	275439	10/08/21	10/08/21	TJW
Aroclor-1254	ND		ug/Kg	100	2	275439	10/08/21	10/08/21	TJW
Aroclor-1260	ND		ug/Kg	100	2	275439	10/08/21	10/08/21	TJW
Aroclor-1262	ND		ug/Kg	100	2	275439	10/08/21	10/08/21	TJW
Aroclor-1268	ND		ug/Kg	100	2	275439	10/08/21	10/08/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	66%		%REC	19-121	2	275439	10/08/21	10/08/21	TJW

Sample ID: S-17-3 **Lab ID: 451659-002** **Collected: 10/07/21 08:17**
Matrix: Soil

451659-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275439	10/08/21	10/11/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1248	**69**		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1260	**52**		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	56%		%REC	19-121	1	275439	10/08/21	10/11/21	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451659

Sample ID: S-18-1	Lab ID: 451659-003	Collected: 10/07/21 08:52
	Matrix: Soil	

451659-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275439	10/08/21	10/11/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1248	**180**		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	56%		%REC	19-121	1	275439	10/08/21	10/11/21	TRN

Sample ID: S-18-3	Lab ID: 451659-004	Collected: 10/07/21 09:04
	Matrix: Soil	

451659-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275439	10/08/21	10/08/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275439	10/08/21	10/08/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275439	10/08/21	10/08/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275439	10/08/21	10/08/21	TJW
Aroclor-1248	**61**		ug/Kg	50	1	275439	10/08/21	10/12/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275439	10/08/21	10/08/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275439	10/08/21	10/08/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275439	10/08/21	10/08/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275439	10/08/21	10/08/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	61%		%REC	19-121	1	275439	10/08/21	10/08/21	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451659

Sample ID: S-18-5	Lab ID: 451659-005	Collected: 10/07/21 09:10
	Matrix: Soil	

451659-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275439	10/08/21	10/08/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275439	10/08/21	10/08/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275439	10/08/21	10/08/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275439	10/08/21	10/08/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	275439	10/08/21	10/08/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275439	10/08/21	10/08/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275439	10/08/21	10/08/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275439	10/08/21	10/08/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275439	10/08/21	10/08/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	59%		%REC	19-121	1	275439	10/08/21	10/08/21	TJW

Sample ID: S-19-1	Lab ID: 451659-006	Collected: 10/07/21 09:30
	Matrix: Soil	

451659-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND	b	ug/Kg	100	1	275439	10/08/21	10/11/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1260	ND	b	ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	124%	*,b	%REC	19-121	1	275439	10/08/21	10/11/21	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451659

Sample ID: S-19-3	Lab ID: 451659-007	Collected: 10/07/21 09:42
	Matrix: Soil	

451659-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275439	10/08/21	10/11/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	34%		%REC	19-121	1	275439	10/08/21	10/11/21	TJW

Sample ID: S-20-1	Lab ID: 451659-008	Collected: 10/07/21 10:28
	Matrix: Soil	

451659-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275439	10/08/21	10/11/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	41%		%REC	19-121	1	275439	10/08/21	10/11/21	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451659

Sample ID: S-20-3	Lab ID: 451659-009	Collected: 10/07/21 10:38
	Matrix: Soil	

451659-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275439	10/08/21	10/11/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1248	ND	b	ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	62%		%REC	19-121	1	275439	10/08/21	10/11/21	TJW

Sample ID: S-21-1	Lab ID: 451659-010	Collected: 10/07/21 11:28
	Matrix: Soil	

451659-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	200	2	275439	10/08/21	10/11/21	TJW
Aroclor-1221	ND		ug/Kg	100	2	275439	10/08/21	10/11/21	TJW
Aroclor-1232	ND		ug/Kg	100	2	275439	10/08/21	10/11/21	TJW
Aroclor-1242	ND		ug/Kg	100	2	275439	10/08/21	10/11/21	TJW
Aroclor-1248	ND		ug/Kg	100	2	275439	10/08/21	10/11/21	TJW
Aroclor-1254	ND		ug/Kg	100	2	275439	10/08/21	10/11/21	TJW
Aroclor-1260	ND		ug/Kg	100	2	275439	10/08/21	10/11/21	TJW
Aroclor-1262	ND		ug/Kg	100	2	275439	10/08/21	10/11/21	TJW
Aroclor-1268	ND		ug/Kg	100	2	275439	10/08/21	10/11/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	56%		%REC	19-121	2	275439	10/08/21	10/11/21	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451659

Sample ID: S-21-3	Lab ID: 451659-011	Collected: 10/07/21 11:47
	Matrix: Soil	

451659-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND	b	ug/Kg	100	1	275439	10/08/21	10/11/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1260	ND	b	ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	172%	*,E,b	%REC	19-121	1	275439	10/08/21	10/11/21	TJW

Sample ID: S-22-1	Lab ID: 451659-012	Collected: 10/07/21 13:27
	Matrix: Soil	

451659-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275439	10/08/21	10/11/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1248	ND	b	ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	69%		%REC	19-121	1	275439	10/08/21	10/11/21	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451659

Sample ID: S-22-3	Lab ID: 451659-013	Collected: 10/07/21 13:57
	Matrix: Soil	

451659-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275439	10/08/21	10/11/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	67%		%REC	19-121	1	275439	10/08/21	10/11/21	TRN

Sample ID: S-22-5	Lab ID: 451659-014	Collected: 10/07/21 14:38
	Matrix: Soil	

451659-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275439	10/08/21	10/11/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	275439	10/08/21	10/11/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	66%		%REC	19-121	1	275439	10/08/21	10/11/21	TRN

* Value is outside QC limits
E Response exceeds instrument's linear range
ND Not Detected
b See narrative

Results for any subcontracted analyses are not included in this section.

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Batch QC

Type: Blank	**Lab ID: QC948150**	**Batch: 275439**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC948150 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	100	10/08/21	10/08/21
Aroclor-1221	ND		ug/Kg	50	10/08/21	10/08/21
Aroclor-1232	ND		ug/Kg	50	10/08/21	10/08/21
Aroclor-1242	ND		ug/Kg	50	10/08/21	10/08/21
Aroclor-1248	ND		ug/Kg	50	10/08/21	10/08/21
Aroclor-1254	ND		ug/Kg	50	10/08/21	10/08/21
Aroclor-1260	ND		ug/Kg	50	10/08/21	10/08/21
Aroclor-1262	ND		ug/Kg	50	10/08/21	10/08/21
Aroclor-1268	ND		ug/Kg	50	10/08/21	10/08/21
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	70%		%REC	19-121	10/08/21	10/08/21

Type: Lab Control Sample	**Lab ID: QC948151**	**Batch: 275439**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC948151 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	282.2	500.0	ug/Kg	56%		14-150
Aroclor-1260	303.4	500.0	ug/Kg	61%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	30.29	50.00	ug/Kg	61%		19-121

Type: Matrix Spike	**Lab ID: QC948152**	**Batch: 275439**
Matrix (Source ID): Soil (451659-002)	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC948152 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	438.2	ND	500.0	ug/Kg	88%		42-127	1
Aroclor-1260	523.3	52.39	500.0	ug/Kg	94%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	31.50		50.00	ug/Kg	63%		19-121	1

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC948153**	**Batch:**	**275439**
Matrix (Source ID):	**Soil (451659-002)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3541**

QC948153 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	452.1	ND	500.0	ug/Kg	90%		42-127	3	30	1
Aroclor-1260	528.1	52.39	500.0	ug/Kg	95%		38-130	1	30	1
Surrogates										
Decachlorobiphenyl (PCB)	31.02		50.00	ug/Kg	62%		19-121			1

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
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enthalpy.com

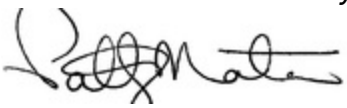
Lab Job Number: 451711
Report Level: II
Report Date: 10/13/2021

Analytical Report *prepared for:*

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Project: CLOW - CLOW

Authorized for release by:



Patty Mata, Project Manager
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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# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

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Sample Summary

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #:	451711
Project No:	CLOW
Location:	CLOW
Date Received:	10/08/21

Sample ID	Lab ID	Collected	Matrix
S-10-3	451711-001	10/08/21 08:25	Soil
S-23-1	451711-002	10/08/21 09:51	Soil
S-23-3	451711-003	10/08/21 10:05	Soil
S-24-1	451711-004	10/08/21 10:50	Soil
S-10-5	451711-005	10/08/21 11:11	Soil

ENTHALPY ANALYTICAL

Case Narrative

EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868
Becky Sundilson

Lab Job Number: 451711
Project No: CLOW
Location: CLOW
Date Received: 10/08/21

This data package contains sample and QC results for five soil samples, requested for the above referenced project on 10/08/21. The samples were received cold and intact.

PCBs (EPA 8082):

Low recoveries were observed for Aroclor-1260 in the MS/MSD of S-10-3 (lab # 451711-001); the LCS was within limits. High RPD was observed for Aroclor-1016 and Aroclor-1260. S-23-1 (lab # 451711-002), S-23-3 (lab # 451711-003), and S-24-1 (lab # 451711-004) were diluted due to the color of the sample extracts. S-10-5 (lab # 451711-005) was diluted due to the dark color of the sample extract. No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 451711

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	X
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 5.6/5.0 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Earthcon Consultants	Quote #:	EPE05921
Report To:	Becky Sundilson	Proj. Name:	Clow
Email:	Bsundilson@earthcon.com	Proj. #:	
Address:	1100 Town and country Rd Suite 200 Orange, CA	P.O. #:	
		Address:	1315 Magnolia Ave
Phone:	(714) 321-8626	Global ID:	
Fax:		Sampled By:	UML

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: 8082 - PCBs Soxhlet
1	S-10-3	10/08/21	0825	S	1/4oz	—	X
2	S-23-1	10/08/21	0951	S	1/4oz	—	X
3	S-23-3	10/08/21	1005	S	1/4oz	—	X
4	S-24-1	10/08/21	1050	S	1/4oz	—	X
5	S-10-5	10/08/21	1111	S	1/4oz	—	X
6							
7							
8							
9							
10							

Test Instructions / Comments: 48hr if possible otherwise 72hr TAT. See Dan or Patty

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Langer	Lindsey Langer	Earthcon/staff Scientist	10/08/21 1302
[1] Received By:		Elizabeth Ramos	EA	10/8/21 1302
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Earthcon Consultants Project: Clow

Date Received: 10/8/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 5.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 10/8/21

ENTHALPY ANALYTICAL

Analysis Results for 451711

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #: 451711
Project No: CLOW
Location: CLOW
Date Received: 10/08/21

Sample ID: S-10-3 **Lab ID: 451711-001** **Collected: 10/08/21 08:25**
Matrix: Soil

451711-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275568	10/11/21	10/12/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275568	10/11/21	10/12/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275568	10/11/21	10/12/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275568	10/11/21	10/12/21	TJW
Aroclor-1248	**1,300**		ug/Kg	250	5	275568	10/11/21	10/12/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	275568	10/11/21	10/12/21	TJW
Aroclor-1260	**1,500**		ug/Kg	250	5	275568	10/11/21	10/12/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	275568	10/11/21	10/12/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275568	10/11/21	10/12/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	59%		%REC	19-121	1	275568	10/11/21	10/12/21	TJW

Sample ID: S-23-1 **Lab ID: 451711-002** **Collected: 10/08/21 09:51**
Matrix: Soil

451711-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	200	2	275568	10/11/21	10/12/21	TRN
Aroclor-1221	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TRN
Aroclor-1232	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TRN
Aroclor-1242	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TRN
Aroclor-1248	**6,200**		ug/Kg	1,000	20	275568	10/11/21	10/12/21	TRN
Aroclor-1254	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TRN
Aroclor-1260	**5,700**		ug/Kg	1,000	20	275568	10/11/21	10/12/21	TRN
Aroclor-1262	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TRN
Aroclor-1268	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	45%		%REC	19-121	2	275568	10/11/21	10/12/21	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 451711

Sample ID: S-23-3	Lab ID: 451711-003	Collected: 10/08/21 10:05
	Matrix: Soil	

451711-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	200	2	275568	10/11/21	10/12/21	TRN
Aroclor-1221	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TRN
Aroclor-1232	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TRN
Aroclor-1242	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TRN
Aroclor-1248	**3,500**		ug/Kg	500	10	275568	10/11/21	10/12/21	TRN
Aroclor-1254	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TRN
Aroclor-1260	**3,200**		ug/Kg	500	10	275568	10/11/21	10/12/21	TRN
Aroclor-1262	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TRN
Aroclor-1268	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	70%		%REC	19-121	2	275568	10/11/21	10/12/21	TRN

Sample ID: S-24-1	Lab ID: 451711-004	Collected: 10/08/21 10:50
	Matrix: Soil	

451711-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	200	2	275568	10/11/21	10/12/21	TJW
Aroclor-1221	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TJW
Aroclor-1232	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TJW
Aroclor-1242	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TJW
Aroclor-1248	**400**		ug/Kg	100	2	275568	10/11/21	10/12/21	TJW
Aroclor-1254	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TJW
Aroclor-1260	**310**		ug/Kg	100	2	275568	10/11/21	10/12/21	TJW
Aroclor-1262	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TJW
Aroclor-1268	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	53%		%REC	19-121	2	275568	10/11/21	10/12/21	TJW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 451711

Sample ID: S-10-5	Lab ID: 451711-005	Collected: 10/08/21 11:11
	Matrix: Soil	

451711-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	200	2	275568	10/11/21	10/12/21	TJW
Aroclor-1221	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TJW
Aroclor-1232	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TJW
Aroclor-1242	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TJW
Aroclor-1248	**590**		ug/Kg	100	2	275568	10/11/21	10/12/21	TJW
Aroclor-1254	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TJW
Aroclor-1260	**530**		ug/Kg	100	2	275568	10/11/21	10/12/21	TJW
Aroclor-1262	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TJW
Aroclor-1268	ND		ug/Kg	100	2	275568	10/11/21	10/12/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	73%		%REC	19-121	2	275568	10/11/21	10/12/21	TJW

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC948539	Batch: 275568
Matrix: Soil	Method: EPA 8082	Prep Method: EPA 3541

QC948539 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	100	10/11/21	10/11/21
Aroclor-1221	ND		ug/Kg	50	10/11/21	10/11/21
Aroclor-1232	ND		ug/Kg	50	10/11/21	10/11/21
Aroclor-1242	ND		ug/Kg	50	10/11/21	10/11/21
Aroclor-1248	ND		ug/Kg	50	10/11/21	10/11/21
Aroclor-1254	ND		ug/Kg	50	10/11/21	10/11/21
Aroclor-1260	ND		ug/Kg	50	10/11/21	10/11/21
Aroclor-1262	ND		ug/Kg	50	10/11/21	10/11/21
Aroclor-1268	ND		ug/Kg	50	10/11/21	10/11/21
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	39%		%REC	19-121	10/11/21	10/11/21

Type: Matrix Spike	Lab ID: QC948540	Batch: 275568
Matrix (Source ID): Soil (451711-001)	Method: EPA 8082	Prep Method: EPA 3541

QC948540 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	352.6	ND	500.0	ug/Kg	71%		42-127	1
Aroclor-1260	272.7	1545	500.0	ug/Kg	-254%	*	38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	11.35		50.00	ug/Kg	23%		19-121	1

Type: Matrix Spike Duplicate	Lab ID: QC948541	Batch: 275568
Matrix (Source ID): Soil (451711-001)	Method: EPA 8082	Prep Method: EPA 3541

QC948541 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	536.2	ND	500.0	ug/Kg	107%		42-127	41*	30	1
Aroclor-1260	1,082	1545	500.0	ug/Kg	-93%	*	38-130	119*	30	1
Surrogates										
Decachlorobiphenyl (PCB)	10.60		50.00	ug/Kg	21%		19-121			1

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC948568**	**Batch: 275568**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC948568 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	359.8	500.0	ug/Kg	72%		14-150
Aroclor-1260	372.6	500.0	ug/Kg	75%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	30.48	50.00	ug/Kg	61%		19-121

* Value is outside QC limits

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

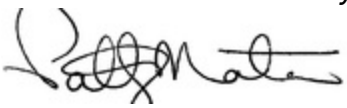
Lab Job Number: 451879
Report Level: II
Report Date: 10/15/2021

Analytical Report *prepared for:*

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Project: CLOW - Corona - Clow

Authorized for release by:



Patty Mata, Project Manager
patty.mata@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# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #:	451879
Project No:	CLOW
Location:	Corona - Clow
Date Received:	10/12/21

Sample ID	Lab ID	Collected	Matrix
S-25-1	451879-001	10/12/21 08:00	Soil
S-25-3	451879-002	10/12/21 08:08	Soil
S-25-5	451879-003	10/12/21 08:40	Soil
S-26-1	451879-004	10/12/21 09:39	Soil
S-26-3	451879-005	10/12/21 09:51	Soil
S-26-5	451879-006	10/12/21 09:59	Soil
S-27-1	451879-007	10/12/21 10:35	Soil
S-27-3	451879-008	10/12/21 10:50	Soil
S-27-5	451879-009	10/12/21 11:05	Soil
S-27-10	451879-010	10/12/21 12:24	Soil
S-28-1	451879-011	10/12/21 13:10	Soil
S-28-3	451879-012	10/12/21 13:22	Soil
S-28-5	451879-013	10/12/21 13:46	Soil
S-29-1	451879-014	10/12/21 14:26	Soil
S-29-3	451879-015	10/12/21 14:39	Soil
S-29-5	451879-016	10/12/21 15:08	Soil

ENTHALPY ANALYTICAL

Case Narrative

EarthCon Consultants CA, Inc. 1100 W. Town and Country Rd Suite 200 Orange, CA 92868 Becky Sundilson	Lab Job Number: 451879 Project No: CLOW Location: Corona - Clow Date Received: 10/12/21

This data package contains sample and QC results for sixteen soil samples, requested for the above referenced project on 10/12/21. The samples were received cold and intact.

PCBs (EPA 8082):

High recoveries were observed for Aroclor-1016 and Aroclor-1260 in the MS/MSD of S-25-1 (lab # 451879-001); the LCS was within limits. High RPD was also observed for Aroclor-1016 and Aroclor-1260. No other analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 451979

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	X
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 5.4 / 2.0 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Earthcon Consultants	Quote #:	EAROS1921
Report To:	Becky Sundilson	Proj. Name:	Corona-Glow
Email:	BSundilson@earthcon.com	Proj. #:	
Address:	1100 W. Town and Country Rd Suite 200 Orange, CA	P.O. #:	
		Address:	1315 Magnolia Ave
Phone:	(714) 321-8626	Global ID:	
Fax:		Sampled By:	LML

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: 8082 - Soxhlet	Test Instructions / Comments
1	S-25-1	10/12/21	0800	S	1/4oz	—	X	48hr TAT if possible. If not 72hr TAT see Dan or patty. *possible high levels*
2	S-25-3	10/12/21	0808	S	1/4oz	—	X	
3	S-25-5	10/12/21	0840	S	1/4oz	—	X	
4	S-26-1	10/12/21	0939	S	1/4oz	—	X	
5	S-26-3	10/12/21	0951	S	1/4oz	—	X	
6	S-26-5	10/12/21	0959	S	1/4oz	—	X	
7	S-27-1	10/12/21	1035	S	1/4oz	—	X	
8	S-27-3	10/12/21	1050	S	1/4oz	—	X	
9	S-27-5	10/12/21	1105	S	1/4oz	—	X	
10	S-27-10	10/12/21	1124	S	1/4oz	—	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	L Langer	Lindsey Langer	Earthcon / Staff scientist	10/12/21 1621
[1] Received By:		Elizabeth Ramirez	EA	10/12/21 1621
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 451979

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	X
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Earthcon Consultants	Quote #:	EAR051921
Report To:	Becky Sundilson	Proj. Name:	Corona-Clow
Email:	BSundilson@earthcon.com	Proj. #:	
Address:	1100 W. Town and Country Rd Suite 200 Orange, CA	P.O. #:	
		Address:	1315 Magnolia Ave
Phone:	(714) 321-8620	Global ID:	
Fax:		Sampled By:	LML

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: 8082A-PCBs Soxhlet	Test Instructions / Comments
1	S-28-1	10/12/21	1310	S	1/4oz	—	X	48hr TAT if possible If not 72hr TAT see Dan or Patty *possible high levels*
2	S-28-3	10/12/21	1322	S	1/4oz	—	X	
3	S-28-5	10/12/21	1346	S	1/4oz	—	X	
4	S-29-1	10/12/21	1424	S	1/4oz	—	X	
5	S-29-3	10/12/21	1439	S	1/4oz	—	X	
6	S-29-5	10/12/21	1508	S	1/4oz	—	X	
7								
8								
9								
10								

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	LLanger	Lindsey Langer	Earthcon / Staff Scientist	10/12/21 1621
[1] Received By:	Elizabeth Ramirez	Elizabeth Ramirez	EA	10/12/21 16:21
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Earthcon Consultants Project: Corona-CLOW

Date Received: 10/12/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 10/12/21

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Analysis Results for 451879

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #: 451879
Project No: CLOW
Location: Corona - Clow
Date Received: 10/12/21

Sample ID: S-25-1 **Lab ID: 451879-001** **Collected: 10/12/21 08:00**
Matrix: Soil

451879-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	1,000	10	275764	10/13/21	10/13/21	MTS
Aroclor-1221	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1232	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1242	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1248	**4,600**		ug/Kg	1,000	20	275764	10/13/21	10/14/21	MTS
Aroclor-1254	**2,300**		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1260	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1262	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1268	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	64%		%REC	19-121	10	275764	10/13/21	10/13/21	MTS

Sample ID: S-25-3 **Lab ID: 451879-002** **Collected: 10/12/21 08:08**
Matrix: Soil

451879-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	1,000	10	275764	10/13/21	10/13/21	MTS
Aroclor-1221	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1232	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1242	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1248	**1,300**		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1254	**640**		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1260	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1262	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1268	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	56%		%REC	19-121	10	275764	10/13/21	10/13/21	MTS

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451879

Sample ID: S-25-5	Lab ID: 451879-003	Collected: 10/12/21 08:40
	Matrix: Soil	

451879-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	1,000	10	275764	10/13/21	10/13/21	MTS
Aroclor-1221	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1232	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1242	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1248	**680**		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1254	**290**		ug/Kg	250	5	275764	10/13/21	10/14/21	MTS
Aroclor-1260	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1262	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1268	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	61%		%REC	19-121	10	275764	10/13/21	10/13/21	MTS

Sample ID: S-26-1	Lab ID: 451879-004	Collected: 10/12/21 09:39
	Matrix: Soil	

451879-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	1,000	10	275764	10/13/21	10/13/21	MTS
Aroclor-1221	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1232	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1242	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1248	**670**		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1254	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1260	**5,000**		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1262	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1268	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	96%		%REC	19-121	10	275764	10/13/21	10/13/21	MTS

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451879

Sample ID: S-26-3	Lab ID: 451879-005	Collected: 10/12/21 09:51
	Matrix: Soil	

451879-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275764	10/13/21	10/14/21	MTS
Aroclor-1221	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1232	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1242	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1248	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1254	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1260	**110**		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1262	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1268	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	81%		%REC	19-121	1	275764	10/13/21	10/14/21	MTS

Sample ID: S-26-5	Lab ID: 451879-006	Collected: 10/12/21 09:59
	Matrix: Soil	

451879-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275764	10/13/21	10/15/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	275764	10/13/21	10/15/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	275764	10/13/21	10/15/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	275764	10/13/21	10/15/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	275764	10/13/21	10/15/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	275764	10/13/21	10/15/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	275764	10/13/21	10/15/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	275764	10/13/21	10/15/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	275764	10/13/21	10/15/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	56%		%REC	19-121	1	275764	10/13/21	10/15/21	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451879

Sample ID: S-27-1	Lab ID: 451879-007	Collected: 10/12/21 10:35
	Matrix: Soil	

451879-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	1,000	10	275764	10/13/21	10/13/21	MTS
Aroclor-1221	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1232	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1242	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1248	**930**		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1254	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1260	**2,500**		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1262	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1268	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	44%		%REC	19-121	10	275764	10/13/21	10/13/21	MTS

Sample ID: S-27-3	Lab ID: 451879-008	Collected: 10/12/21 10:50
	Matrix: Soil	

451879-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275764	10/13/21	10/14/21	MTS
Aroclor-1221	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1232	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1242	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1248	**410**		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1254	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1260	**120**		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1262	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1268	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	47%		%REC	19-121	1	275764	10/13/21	10/14/21	MTS

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451879

Sample ID: S-27-5	Lab ID: 451879-009	Collected: 10/12/21 11:05
	Matrix: Soil	

451879-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275764	10/13/21	10/14/21	MTS
Aroclor-1221	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1232	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1242	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1248	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1254	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1260	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1262	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1268	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	60%		%REC	19-121	1	275764	10/13/21	10/14/21	MTS

Sample ID: S-27-10	Lab ID: 451879-010	Collected: 10/12/21 12:24
	Matrix: Soil	

451879-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275764	10/13/21	10/15/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	275764	10/13/21	10/15/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	275764	10/13/21	10/15/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	275764	10/13/21	10/15/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	275764	10/13/21	10/15/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	275764	10/13/21	10/15/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	275764	10/13/21	10/15/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	275764	10/13/21	10/15/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	275764	10/13/21	10/15/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	61%		%REC	19-121	1	275764	10/13/21	10/15/21	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451879

Sample ID: S-28-1	Lab ID: 451879-011	Collected: 10/12/21 13:10
	Matrix: Soil	

451879-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	1,000	10	275764	10/13/21	10/13/21	MTS
Aroclor-1221	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1232	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1242	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1248	**50,000**		ug/Kg	10,000	200	275764	10/13/21	10/14/21	MTS
Aroclor-1254	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1260	**12,000**		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1262	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1268	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	61%		%REC	19-121	10	275764	10/13/21	10/13/21	MTS

Sample ID: S-28-3	Lab ID: 451879-012	Collected: 10/12/21 13:22
	Matrix: Soil	

451879-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	1,000	10	275764	10/13/21	10/13/21	MTS
Aroclor-1221	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1232	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1242	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1248	**5,900**		ug/Kg	1,000	20	275764	10/13/21	10/15/21	TRN
Aroclor-1254	**2,900**		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1260	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1262	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1268	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	46%		%REC	19-121	10	275764	10/13/21	10/13/21	MTS

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451879

Sample ID: S-28-5	Lab ID: 451879-013	Collected: 10/12/21 13:46
	Matrix: Soil	

451879-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	1,000	10	275764	10/13/21	10/13/21	MTS
Aroclor-1221	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1232	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1242	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1248	**880**		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1254	**540**		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1260	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1262	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1268	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	63%		%REC	19-121	10	275764	10/13/21	10/13/21	MTS

Sample ID: S-29-1	Lab ID: 451879-014	Collected: 10/12/21 14:26
	Matrix: Soil	

451879-014 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	1,000	10	275764	10/13/21	10/13/21	MTS
Aroclor-1221	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1232	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1242	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1248	**630**		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1254	**510**		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1260	**720**		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1262	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Aroclor-1268	ND		ug/Kg	500	10	275764	10/13/21	10/13/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	56%		%REC	19-121	10	275764	10/13/21	10/13/21	MTS

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 451879

Sample ID: S-29-3	Lab ID: 451879-015	Collected: 10/12/21 14:39
	Matrix: Soil	

451879-015 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	**120**		ug/Kg	100	1	275764	10/13/21	10/14/21	MTS
Aroclor-1221	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1232	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1242	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1248	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1254	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1260	**290**		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1262	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1268	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	56%		%REC	19-121	1	275764	10/13/21	10/14/21	MTS

Sample ID: S-29-5	Lab ID: 451879-016	Collected: 10/12/21 15:08
	Matrix: Soil	

451879-016 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275764	10/13/21	10/14/21	MTS
Aroclor-1221	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1232	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1242	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1248	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1254	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1260	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1262	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Aroclor-1268	ND		ug/Kg	50	1	275764	10/13/21	10/14/21	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	69%		%REC	19-121	1	275764	10/13/21	10/14/21	MTS

ND Not Detected

Results for any subcontracted analyses are not included in this section.

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Batch QC

Type: Blank	**Lab ID: QC949092**	**Batch: 275764**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC949092 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	100	10/13/21	10/13/21
Aroclor-1221	ND		ug/Kg	50	10/13/21	10/13/21
Aroclor-1232	ND		ug/Kg	50	10/13/21	10/13/21
Aroclor-1242	ND		ug/Kg	50	10/13/21	10/13/21
Aroclor-1248	ND		ug/Kg	50	10/13/21	10/13/21
Aroclor-1254	ND		ug/Kg	50	10/13/21	10/13/21
Aroclor-1260	ND		ug/Kg	50	10/13/21	10/13/21
Aroclor-1262	ND		ug/Kg	50	10/13/21	10/13/21
Aroclor-1268	ND		ug/Kg	50	10/13/21	10/13/21
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	53%		%REC	19-121	10/13/21	10/13/21

Type: Lab Control Sample	**Lab ID: QC949093**	**Batch: 275764**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC949093 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	334.2	500.0	ug/Kg	67%		14-150
Aroclor-1260	376.3	500.0	ug/Kg	75%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	26.82	50.00	ug/Kg	54%		19-121

Type: Matrix Spike	**Lab ID: QC949094**	**Batch: 275764**
Matrix (Source ID): Soil (451879-001)	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC949094 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	3,947	ND	500.0	ug/Kg	789%	*	42-127	10
Aroclor-1260	1,687	ND	500.0	ug/Kg	337%	*	38-130	10
Surrogates								
Decachlorobiphenyl (PCB)	45.24		50.00	ug/Kg	90%		19-121	10

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC949095**	**Batch:**	**275764**
Matrix (Source ID):	**Soil (451879-001)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3541**

QC949095 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	2,693	ND	500.0	ug/Kg	539%	*	42-127	38*	30	10
Aroclor-1260	1,150	ND	500.0	ug/Kg	230%	*	38-130	38*	30	10
Surrogates										
Decachlorobiphenyl (PCB)	40.72		50.00	ug/Kg	81%		19-121			10

* Value is outside QC limits

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 452005
Report Level: II
Report Date: 10/19/2021

Analytical Report *prepared for:*

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Project: CLOW - Corona CLOW

Authorized for release by:

Patty Mata, Project Manager
patty.mata@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# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #:	452005
Project No:	CLOW
Location:	Corona CLOW
Date Received:	10/14/21

Sample ID	Lab ID	Collected	Matrix
S-30-1	452005-001	10/14/21 08:25	Soil
S-30-3	452005-002	10/14/21 09:10	Soil
S-30-5	452005-003	10/14/21 09:22	Soil
S-30-6	452005-004	10/14/21 09:41	Soil
S-31-1	452005-005	10/14/21 10:29	Soil
S-31-3	452005-006	10/14/21 10:42	Soil
S-31-5	452005-007	10/14/21 10:57	Soil
S-32-1	452005-008	10/14/21 14:15	Soil
S-32-3	452005-009	10/14/21 14:21	Soil
S-32-5	452005-010	10/14/21 14:40	Soil
S-32-7	452005-011	10/14/21 15:00	Soil
S-32-11.8	452005-012	10/14/21 15:22	Soil

Case Narrative

EarthCon Consultants CA, Inc. 1100 W. Town and Country Rd Suite 200 Orange, CA 92868 Becky Sundilson	Lab Job Number: 452005 Project No: CLOW Location: Corona CLOW Date Received: 10/14/21

This data package contains sample and QC results for twelve soil samples, requested for the above referenced project on 10/14/21. The samples were received cold and intact.

PCBs (EPA 8082):

High recoveries were observed for Aroclor-1016 and Aroclor-1260 in the MS/MSD of S-30-6 (lab # 452005-004); the LCS was within limits. No other analytical problems were encountered.

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Chain of Custody Record — Lab No: 452005 — Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	X
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Earthcon Consultants	Quote #:	EAR051921
Report To:	Becky Sundilson	Proj. Name:	Corona-Clow
Email:	BSundilson@earthcon.com	Proj. #:	
Address:	1100 Town and Country Rd	P.O. #:	
	Suite 200 Orange, CA	Address:	1315 Magnolia Ave
Phone:	714-321-8621e	Global ID:	
Fax:		Sampled By:	LML

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	8082 PCBs - Soxhlet	Test Instructions / Comments
1	S-30-1	10/14/21	0825	S	1/4oz	—	X	48hr TAT if possible. If not 72hr TAT. see Dan or Patty *Possible high levels*
2	S-30-3	10/14/21	0910	S	1/4oz	—	X	
3	S-30-5	10/14/21	0922	S	1/4oz	—	X	
4	S-30-6	10/14/21	0941	S	1/4oz	—	X	
5	S-31-1	10/14/21	1029	S	1/4oz	—	X	
6	S-31-3	10/14/21	1042	S	1/4oz	—	X	
7	S-31-5	10/14/21	1057	S	1/4oz	—	X	
8	S-32-1	10/14/21	1415	S	1/4oz	—	X	
9	S-32-3	10/14/21	1421	S	1/4oz	—	X	
10	S-32-5	10/14/21	1440	S	1/4oz	—	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	L Langer	Lindsey Langer	Earthcon/Staff Scientist	10/14/21 1646
[1] Received By:	[signature]	Geenel Silvestri	E.A.	10/14/21 16:46
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

7.8/2.2

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 452-005

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	X
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Earthcon Consultants	Quote #:	EHRC9921
Report To:	Becky Sundilson	Proj. Name:	Corona-Clow
Email:	BSundilson@earthcon.com	Proj. #:	
Address:	1100 Town and Country Rd	P.O. #:	
	Suite 200 Orange, CA	Address:	1375 Magnolia Ave
Phone:	714-321-8626	Global ID:	
Fax:		Sampled By:	LML

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: 8082 PCBs-Soxhlet
1	S-32-7	10/14/21	1500	S	1/4oz	—	X
2	S-32-11.8	10/14/21	1502	S	1/4oz	—	X
3							
4							
5							
6							
7							
8							
9							
10							

Test Instructions / Comments:

48hr TAT if possible. If not then 72hr TAT.

See Dan or Patty

possible high levels

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	L Langer	Lindsey Langer	Earthcon / Staff Scientist	10/14/21 1640
[1] Received By:	Geenda Sylvestri	Geenda Sylvestri	E.A.	10/14/21 16:46
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Earthcon Consultants   Project: CLOW

Date Received: 10/14/21   Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)   Sample Temp (°C) (No Cooler): ____

Sample Temp (°C), One from each cooler: #1: 7.8 #2: ____ #3: ____ #4: ____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: ____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other ____

Cooler Temp (°C): #1: 2.2 #2: ____ #3: ____ #4: ____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: ____ Date/Time ____

☐ Email (email sent to/on): ____/____

Project Manager's response:

Completed By: [signature]   Date: ~~10/18/21~~ 10/14/21 G.S.

ENTHALPY ANALYTICAL

Analysis Results for 452005

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #: 452005
Project No: CLOW
Location: Corona CLOW
Date Received: 10/14/21

Sample ID: S-30-1 **Lab ID: 452005-001** **Collected: 10/14/21 08:25**
Matrix: Soil

452005-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	10,000	100	275916	10/15/21	10/18/21	TJW
Aroclor-1221	ND		ug/Kg	5,000	100	275916	10/15/21	10/18/21	TJW
Aroclor-1232	ND		ug/Kg	5,000	100	275916	10/15/21	10/18/21	TJW
Aroclor-1242	ND		ug/Kg	5,000	100	275916	10/15/21	10/18/21	TJW
Aroclor-1248	**18,000**		ug/Kg	5,000	100	275916	10/15/21	10/18/21	TJW
Aroclor-1254	ND		ug/Kg	5,000	100	275916	10/15/21	10/18/21	TJW
Aroclor-1260	ND		ug/Kg	5,000	100	275916	10/15/21	10/18/21	TJW
Aroclor-1262	ND		ug/Kg	5,000	100	275916	10/15/21	10/18/21	TJW
Aroclor-1268	ND		ug/Kg	5,000	100	275916	10/15/21	10/18/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)		DO	%REC	19-121	100	275916	10/15/21	10/18/21	TJW

Sample ID: S-30-3 **Lab ID: 452005-002** **Collected: 10/14/21 09:10**
Matrix: Soil

452005-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	1,000	10	275916	10/15/21	10/18/21	TJW
Aroclor-1221	ND		ug/Kg	500	10	275916	10/15/21	10/18/21	TJW
Aroclor-1232	ND		ug/Kg	500	10	275916	10/15/21	10/18/21	TJW
Aroclor-1242	ND		ug/Kg	500	10	275916	10/15/21	10/18/21	TJW
Aroclor-1248	**2,300**		ug/Kg	500	10	275916	10/15/21	10/18/21	TJW
Aroclor-1254	ND		ug/Kg	500	10	275916	10/15/21	10/18/21	TJW
Aroclor-1260	ND		ug/Kg	500	10	275916	10/15/21	10/18/21	TJW
Aroclor-1262	ND		ug/Kg	500	10	275916	10/15/21	10/18/21	TJW
Aroclor-1268	ND		ug/Kg	500	10	275916	10/15/21	10/18/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	62%		%REC	19-121	10	275916	10/15/21	10/18/21	TJW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 452005

Sample ID: S-30-5	Lab ID: 452005-003	Collected: 10/14/21 09:22
	Matrix: Soil	

452005-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	10,000	100	275916	10/15/21	10/18/21	TJW
Aroclor-1221	ND		ug/Kg	5,000	100	275916	10/15/21	10/18/21	TJW
Aroclor-1232	ND		ug/Kg	5,000	100	275916	10/15/21	10/18/21	TJW
Aroclor-1242	ND		ug/Kg	5,000	100	275916	10/15/21	10/18/21	TJW
Aroclor-1248	**31,000**		ug/Kg	5,000	100	275916	10/15/21	10/18/21	TJW
Aroclor-1254	ND		ug/Kg	5,000	100	275916	10/15/21	10/18/21	TJW
Aroclor-1260	ND		ug/Kg	5,000	100	275916	10/15/21	10/18/21	TJW
Aroclor-1262	ND		ug/Kg	5,000	100	275916	10/15/21	10/18/21	TJW
Aroclor-1268	ND		ug/Kg	5,000	100	275916	10/15/21	10/18/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)		DO	%REC	19-121	100	275916	10/15/21	10/18/21	TJW

Sample ID: S-30-6	Lab ID: 452005-004	Collected: 10/14/21 09:41
	Matrix: Soil	

452005-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	2,500	25	275916	10/15/21	10/18/21	TJW
Aroclor-1221	ND		ug/Kg	1,300	25	275916	10/15/21	10/18/21	TJW
Aroclor-1232	ND		ug/Kg	1,300	25	275916	10/15/21	10/18/21	TJW
Aroclor-1242	ND		ug/Kg	1,300	25	275916	10/15/21	10/18/21	TJW
Aroclor-1248	**7,800**		ug/Kg	1,300	25	275916	10/15/21	10/18/21	TJW
Aroclor-1254	ND		ug/Kg	1,300	25	275916	10/15/21	10/18/21	TJW
Aroclor-1260	ND		ug/Kg	1,300	25	275916	10/15/21	10/18/21	TJW
Aroclor-1262	ND		ug/Kg	1,300	25	275916	10/15/21	10/18/21	TJW
Aroclor-1268	ND		ug/Kg	1,300	25	275916	10/15/21	10/18/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	68%		%REC	19-121	25	275916	10/15/21	10/18/21	TJW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 452005

Sample ID: S-31-1	Lab ID: 452005-005	Collected: 10/14/21 10:29
	Matrix: Soil	

452005-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100,000	1000	275916	10/15/21	10/18/21	TJW
Aroclor-1221	ND		ug/Kg	50,000	1000	275916	10/15/21	10/18/21	TJW
Aroclor-1232	ND		ug/Kg	50,000	1000	275916	10/15/21	10/18/21	TJW
Aroclor-1242	ND		ug/Kg	50,000	1000	275916	10/15/21	10/18/21	TJW
Aroclor-1248	**290,000**		ug/Kg	50,000	1000	275916	10/15/21	10/18/21	TJW
Aroclor-1254	ND		ug/Kg	50,000	1000	275916	10/15/21	10/18/21	TJW
Aroclor-1260	ND		ug/Kg	50,000	1000	275916	10/15/21	10/18/21	TJW
Aroclor-1262	ND		ug/Kg	50,000	1000	275916	10/15/21	10/18/21	TJW
Aroclor-1268	ND		ug/Kg	50,000	1000	275916	10/15/21	10/18/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)		DO	%REC	19-121	1000	275916	10/15/21	10/18/21	TJW

Sample ID: S-31-3	Lab ID: 452005-006	Collected: 10/14/21 10:42
	Matrix: Soil	

452005-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100,000	1000	275916	10/15/21	10/18/21	TJW
Aroclor-1221	ND		ug/Kg	50,000	1000	275916	10/15/21	10/18/21	TJW
Aroclor-1232	ND		ug/Kg	50,000	1000	275916	10/15/21	10/18/21	TJW
Aroclor-1242	ND		ug/Kg	50,000	1000	275916	10/15/21	10/18/21	TJW
Aroclor-1248	**170,000**		ug/Kg	50,000	1000	275916	10/15/21	10/18/21	TJW
Aroclor-1254	ND		ug/Kg	50,000	1000	275916	10/15/21	10/18/21	TJW
Aroclor-1260	ND		ug/Kg	50,000	1000	275916	10/15/21	10/18/21	TJW
Aroclor-1262	ND		ug/Kg	50,000	1000	275916	10/15/21	10/18/21	TJW
Aroclor-1268	ND		ug/Kg	50,000	1000	275916	10/15/21	10/18/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)		DO	%REC	19-121	1000	275916	10/15/21	10/18/21	TJW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 452005

Sample ID: S-31-5	Lab ID: 452005-007	Collected: 10/14/21 10:57
	Matrix: Soil	

452005-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	25,000	250	275916	10/15/21	10/18/21	TJW
Aroclor-1221	ND		ug/Kg	13,000	250	275916	10/15/21	10/18/21	TJW
Aroclor-1232	ND		ug/Kg	13,000	250	275916	10/15/21	10/18/21	TJW
Aroclor-1242	ND		ug/Kg	13,000	250	275916	10/15/21	10/18/21	TJW
Aroclor-1248	**120,000**		ug/Kg	13,000	250	275916	10/15/21	10/18/21	TJW
Aroclor-1254	ND		ug/Kg	13,000	250	275916	10/15/21	10/18/21	TJW
Aroclor-1260	ND		ug/Kg	13,000	250	275916	10/15/21	10/18/21	TJW
Aroclor-1262	ND		ug/Kg	13,000	250	275916	10/15/21	10/18/21	TJW
Aroclor-1268	ND		ug/Kg	13,000	250	275916	10/15/21	10/18/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)		DO	%REC	19-121	250	275916	10/15/21	10/18/21	TJW

Sample ID: S-32-1	Lab ID: 452005-008	Collected: 10/14/21 14:15
	Matrix: Soil	

452005-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275916	10/15/21	10/18/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1260	**550**		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	64%		%REC	19-121	1	275916	10/15/21	10/18/21	TJW

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 452005

Sample ID: S-32-3	Lab ID: 452005-009	Collected: 10/14/21 14:21
	Matrix: Soil	

452005-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275916	10/15/21	10/18/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	43%		%REC	19-121	1	275916	10/15/21	10/18/21	TJW

Sample ID: S-32-5	Lab ID: 452005-010	Collected: 10/14/21 14:40
	Matrix: Soil	

452005-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275916	10/15/21	10/18/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	66%		%REC	19-121	1	275916	10/15/21	10/18/21	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 452005

Sample ID: S-32-7	Lab ID: 452005-011	Collected: 10/14/21 15:00
	Matrix: Soil	

452005-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275916	10/15/21	10/18/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	41%		%REC	19-121	1	275916	10/15/21	10/18/21	TJW

Sample ID: S-32-11.8	Lab ID: 452005-012	Collected: 10/14/21 15:22
	Matrix: Soil	

452005-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	275916	10/15/21	10/18/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	275916	10/15/21	10/18/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	44%		%REC	19-121	1	275916	10/15/21	10/18/21	TJW

DO Diluted Out
ND Not Detected

Results for any subcontracted analyses are not included in this section.

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Batch QC

Type: Blank	**Lab ID: QC949522**	**Batch: 275916**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC949522 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	100	10/15/21	10/18/21
Aroclor-1221	ND		ug/Kg	50	10/15/21	10/18/21
Aroclor-1232	ND		ug/Kg	50	10/15/21	10/18/21
Aroclor-1242	ND		ug/Kg	50	10/15/21	10/18/21
Aroclor-1248	ND		ug/Kg	50	10/15/21	10/18/21
Aroclor-1254	ND		ug/Kg	50	10/15/21	10/18/21
Aroclor-1260	ND		ug/Kg	50	10/15/21	10/18/21
Aroclor-1262	ND		ug/Kg	50	10/15/21	10/18/21
Aroclor-1268	ND		ug/Kg	50	10/15/21	10/18/21
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	52%		%REC	19-121	10/15/21	10/18/21

Type: Lab Control Sample	**Lab ID: QC949523**	**Batch: 275916**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC949523 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	308.5	500.0	ug/Kg	62%		14-150
Aroclor-1260	295.7	500.0	ug/Kg	59%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	26.70	50.00	ug/Kg	53%		19-121

Type: Matrix Spike	**Lab ID: QC949524**	**Batch: 275916**
Matrix (Source ID): Soil (452005-004)	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC949524 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	5,153	ND	500.0	ug/Kg	1031%	*	42-127	25
Aroclor-1260	2,230	ND	500.0	ug/Kg	446%	*	38-130	25
Surrogates								
Decachlorobiphenyl (PCB)	34.55		50.00	ug/Kg	69%		19-121	25

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC949525**	**Batch:**	**275916**
Matrix (Source ID):	**Soil (452005-004)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3541**

QC949525 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	3,119	ND	500.0	ug/Kg	624%	*	42-127		30	25
Aroclor-1260	1,644	ND	500.0	ug/Kg	329%	*	38-130		30	25
Surrogates										
Decachlorobiphenyl (PCB)	27.00		50.00	ug/Kg	54%		19-121			25

* Value is outside QC limits

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

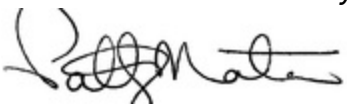
Lab Job Number: 452068
Report Level: II
Report Date: 10/19/2021

Analytical Report *prepared for:*

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Project: CLOW - Corona-Clow

Authorized for release by:



Patty Mata, Project Manager
patty.mata@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# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

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Sample Summary

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #:	452068
Project No:	CLOW
Location:	Corona-Clow
Date Received:	10/15/21

Sample ID	Lab ID	Collected	Matrix
S-33-1	452068-001	10/15/21 08:42	Soil
S-33-3	452068-002	10/15/21 08:58	Soil
S-2-5.5	452068-003	10/15/21 11:00	Soil

Case Narrative

EarthCon Consultants CA, Inc. 1100 W. Town and Country Rd Suite 200 Orange, CA 92868 Becky Sundilson	Lab Job Number: 452068 Project No: CLOW Location: Corona-Clow Date Received: 10/15/21

This data package contains sample and QC results for three soil samples, requested for the above referenced project on 10/15/21. The samples were received cold and intact.

PCBs (EPA 8082):

No analytical problems were encountered.

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Chain of Custody Record

Lab No: 452060

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	X
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 5.0 / 5.0 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Earthcon Consultants	Quote #:	EA05192l
Report To:	Becky Sundilson	Proj. Name:	Corona-Clow
Email:	BSundilson@earthcon.com	Proj. #:	
Address:	1100 Town and Country Rd Suite 200 Orange, CA	P.O. #:	
		Address:	1375 Magnolia Ave
Phone:	(714) 321-8782	Global ID:	
Fax:		Sampled By:	LML

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	8082 PCBs - Soxhlet	Test Instructions / Comments
1	S-33-1	10/15/21	0842	S	1/4oz	—	X	48hr TAT if possible. If not 72hr TAT. See Dan or Patty. *possible high levels*
2	S-33-3	10/15/21	0858	S	1/4oz	—	X	
3	S-2-5.5	10/15/21	1100	S	1/4oz	—	X	
4								
5								
6								
7								
8								
9								
10								

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Lindsey Langer	Lindsey Langer	Earthcon / Staff Scientist	10/15/21 1620
[1] Received By:	Cary		EA	10/15/21 1620
[2] Relinquished By:				
[2] Received By:				
[3] Relinquished By:				
[3] Received By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Earthcon Consultants Project: Corona-Clow

Date Received: 10/15/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.0 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 5.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 10/15/21

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ENTHALPY ANALYTICAL

Analysis Results for 452068

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #: 452068
Project No: CLOW
Location: Corona-Clow
Date Received: 10/15/21

Sample ID: S-33-1 **Lab ID: 452068-001** **Collected: 10/15/21 08:42**
Matrix: Soil

452068-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	276020	10/18/21	10/18/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1248	**1,400**		ug/Kg	250	5	276020	10/18/21	10/19/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	45%		%REC	19-121	1	276020	10/18/21	10/18/21	TJW

Sample ID: S-33-3 **Lab ID: 452068-002** **Collected: 10/15/21 08:58**
Matrix: Soil

452068-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	276020	10/18/21	10/18/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	57%		%REC	19-121	1	276020	10/18/21	10/18/21	TJW

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 452068

Sample ID: S-2-5.5	Lab ID: 452068-003	Collected: 10/15/21 11:00
	Matrix: Soil	

452068-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	276020	10/18/21	10/18/21	TJW
Aroclor-1221	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1232	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1242	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1248	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1254	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1260	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1262	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Aroclor-1268	ND		ug/Kg	50	1	276020	10/18/21	10/18/21	TJW
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	56%		%REC	19-121	1	276020	10/18/21	10/18/21	TJW

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC949849**	**Batch: 276020**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC949849 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	100	10/18/21	10/18/21
Aroclor-1221	ND		ug/Kg	50	10/18/21	10/18/21
Aroclor-1232	ND		ug/Kg	50	10/18/21	10/18/21
Aroclor-1242	ND		ug/Kg	50	10/18/21	10/18/21
Aroclor-1248	ND		ug/Kg	50	10/18/21	10/18/21
Aroclor-1254	ND		ug/Kg	50	10/18/21	10/18/21
Aroclor-1260	ND		ug/Kg	50	10/18/21	10/18/21
Aroclor-1262	ND		ug/Kg	50	10/18/21	10/18/21
Aroclor-1268	ND		ug/Kg	50	10/18/21	10/18/21
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	52%		%REC	19-121	10/18/21	10/18/21

Type: Lab Control Sample	**Lab ID: QC949850**	**Batch: 276020**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC949850 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	336.8	500.0	ug/Kg	67%		14-150
Aroclor-1260	323.8	500.0	ug/Kg	65%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	28.20	50.00	ug/Kg	56%		19-121

Type: Matrix Spike	**Lab ID: QC949851**	**Batch: 276020**
Matrix (Source ID): Soil (452068-002)	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC949851 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	319.5	ND	500.0	ug/Kg	64%		42-127	1
Aroclor-1260	244.5	ND	500.0	ug/Kg	49%		38-130	1
Surrogates								
Decachlorobiphenyl (PCB)	29.10		50.00	ug/Kg	58%		19-121	1

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC949852**	**Batch:**	**276020**
Matrix (Source ID):	**Soil (452068-002)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3541**

QC949852 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	264.9	ND	500.0	ug/Kg	53%		42-127	19	30	1
Aroclor-1260	209.1	ND	500.0	ug/Kg	42%		38-130	16	30	1
Surrogates										
Decachlorobiphenyl (PCB)	25.52		50.00	ug/Kg	51%		19-121			1

ND Not Detected

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

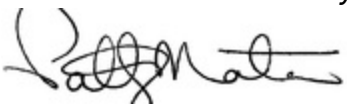
Lab Job Number: 452232
Report Level: II
Report Date: 10/21/2021

Analytical Report *prepared for:*

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Project: CLOW - Corona- CLOW

Authorized for release by:



Patty Mata, Project Manager
patty.mata@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# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, CDC ELITE Member

ENTHALPY ANALYTICAL

Sample Summary

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #:	452232
Project No:	CLOW
Location:	Corona- CLOW
Date Received:	10/19/21

Sample ID	Lab ID	Collected	Matrix
S-28-7	452232-001	10/19/21 08:05	Soil
S-10-8	452232-002	10/19/21 09:31	Soil
S-23-5	452232-003	10/19/21 09:50	Soil
S-31-10.5	452232-004	10/19/21 08:36	Soil
S-23-7	452232-005	10/19/21 10:14	Soil
S-24-3	452232-006	10/19/21 10:30	Soil
S-24-5	452232-007	10/19/21 10:36	Soil
S-34-1	452232-008	10/19/21 11:05	Soil
S-34-3	452232-009	10/19/21 11:11	Soil
S-35-1	452232-010	10/19/21 11:20	Soil
S-35-3	452232-011	10/19/21 11:26	Soil
S-36-1	452232-012	10/19/21 11:39	Soil
S-36-3	452232-013	10/19/21 11:46	Soil

Case Narrative

EarthCon Consultants CA, Inc. 1100 W. Town and Country Rd Suite 200 Orange, CA 92868 Becky Sundilson	Lab Job Number: 452232 Project No: CLOW Location: Corona- CLOW Date Received: 10/19/21

This data package contains sample and QC results for thirteen soil samples, requested for the above referenced project on 10/19/21. The samples were received cold and intact.

PCBs (EPA 8082):

No analytical problems were encountered.

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 452232

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	X
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Earthcon Consultants	Quote #:	EARO51921
Report To:	Becky Sundilson	Proj. Name:	Corona-Clow
Email:	BSundilson@earthcon.com	Proj. #:	
Address:	1100 Town and Country Rd. Suite 200, Orange, CA	P.O. #:	
		Address:	1375 Magnolia Ave
Phone:	(714) 321-8686	Global ID:	
Fax:		Sampled By:	CMC

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: 8082 PCBs - Soxhlet	Test Instructions / Comments
1	S-28-7	10/19/21	0805	S	1/4oz	—	X	48hr TAT if possible. If not 72hr TAT. See Dan or Patty. * possible high levels *
2	S-10-8	10/19/21	0931	S	1/4oz	—	X	
3	S-23-5	10/19/21	0950	S	1/4oz	—	X	
4	S-31-10.5	10/19/21	0836	S	1/4oz	—	X	
5	S-23-~~5~~7	10/19/21	1014	S	1/4oz	—	X	
6	S-24-3	10/19/21	1030	S	1/4oz	—	X	
7	S-24-5	10/19/21	1036	S	1/4oz	—	X	
8	S-34-1	10/19/21	1105	S	1/4oz	—	X	
9	S-34-3	10/19/21	1111	S	1/4oz	—	X	
10	S-35-1	10/19/21	1120	S	1/4oz	—	X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	LLanger	Lindsey Langer	Earthcon/Staff Scientist	10/19/21 13:19
1 Received By:	Daniel Sylvester	Daniel Sylvester	EA.	10/19/21 13:19
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

6.9/I-3

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No: 457232

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	X
2 Day:	X	1 Day:		Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Earthcon Consultants	Quote #:	EAR051921
Report To:	Becky Sundilson	Proj. Name:	Corona - Clow
Email:	B.Sundilson@earthcon.com	Proj. #:	
Address:	1100 Town and Country Rd. Suite 200 Orange, CA	P.O. #:	
		Address:	1375 Magnolia Ave
Phone:	(714) 321-8824	Global ID:	
Fax:		Sampled By:	LML

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: 8082 - PCBs Soxhlet
1	S-35-3	10/19/21	1124	S	1/4oz	—	X
2	S-36-1	10/19/21	1139	S	1/4oz	—	X
3	S-36-3	10/19/21	1146	S	1/4oz	—	X
4							
5							
6							
7							
8							
9							
10							

Test Instructions / Comments

48hr TAT if possible. If not 72hr TAT.

see Dan or Patty

possible high levels

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	L Langer	Lindsey Langer	Earthcon/Staff Scientist	10/19/21 1319
1 Received By:	Geena Sylvestri	Geena Sylvestri	EA	10/19/21 13:19
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Earthcon Consultants Project: Corona - CLOW

Date Received: 10/19/21 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 6.9 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.3 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: [signature] Date: 10/19/21

ENTHALPY ANALYTICAL

Analysis Results for 452232

Becky Sundilson
EarthCon Consultants CA, Inc.
1100 W. Town and Country Rd
Suite 200
Orange, CA 92868

Lab Job #: 452232
Project No: CLOW
Location: Corona- CLOW
Date Received: 10/19/21

Sample ID: S-28-7 **Lab ID: 452232-001** **Collected: 10/19/21 08:05**
Matrix: Soil

452232-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	276180	10/20/21	10/20/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	65%		%REC	19-121	1	276180	10/20/21	10/20/21	TRN

Sample ID: S-10-8 **Lab ID: 452232-002** **Collected: 10/19/21 09:31**
Matrix: Soil

452232-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	276180	10/20/21	10/20/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	66%		%REC	19-121	1	276180	10/20/21	10/20/21	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 452232

Sample ID: S-23-5	Lab ID: 452232-003	Collected: 10/19/21 09:50
	Matrix: Soil	

452232-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	276180	10/20/21	10/20/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	64%		%REC	19-121	1	276180	10/20/21	10/20/21	TRN

Sample ID: S-31-10.5	Lab ID: 452232-004	Collected: 10/19/21 08:36
	Matrix: Soil	

452232-004 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	276180	10/20/21	10/20/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	65%		%REC	19-121	1	276180	10/20/21	10/20/21	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 452232

Sample ID: S-23-7	Lab ID: 452232-005	Collected: 10/19/21 10:14
	Matrix: Soil	

452232-005 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	276180	10/20/21	10/20/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	61%		%REC	19-121	1	276180	10/20/21	10/20/21	TRN

Sample ID: S-24-3	Lab ID: 452232-006	Collected: 10/19/21 10:30
	Matrix: Soil	

452232-006 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	276180	10/20/21	10/20/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	72%		%REC	19-121	1	276180	10/20/21	10/20/21	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 452232

Sample ID: S-24-5	Lab ID: 452232-007	Collected: 10/19/21 10:36
	Matrix: Soil	

452232-007 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	276180	10/20/21	10/20/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	71%		%REC	19-121	1	276180	10/20/21	10/20/21	TRN

Sample ID: S-34-1	Lab ID: 452232-008	Collected: 10/19/21 11:05
	Matrix: Soil	

452232-008 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	276180	10/20/21	10/20/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	276180	10/20/21	10/20/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	71%		%REC	19-121	1	276180	10/20/21	10/20/21	TRN

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 452232

Sample ID: S-34-3	Lab ID: 452232-009	Collected: 10/19/21 11:11
	Matrix: Soil	

452232-009 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	276180	10/20/21	10/21/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	53%		%REC	19-121	1	276180	10/20/21	10/21/21	TRN

Sample ID: S-35-1	Lab ID: 452232-010	Collected: 10/19/21 11:20
	Matrix: Soil	

452232-010 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	276180	10/20/21	10/21/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	49%		%REC	19-121	1	276180	10/20/21	10/21/21	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 452232

Sample ID: S-35-3	Lab ID: 452232-011	Collected: 10/19/21 11:26
	Matrix: Soil	

452232-011 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	276180	10/20/21	10/21/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	37%		%REC	19-121	1	276180	10/20/21	10/21/21	TRN

Sample ID: S-36-1	Lab ID: 452232-012	Collected: 10/19/21 11:39
	Matrix: Soil	

452232-012 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	276180	10/20/21	10/21/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	44%		%REC	19-121	1	276180	10/20/21	10/21/21	TRN

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 452232

Sample ID: S-36-3	Lab ID: 452232-013	Collected: 10/19/21 11:46
	Matrix: Soil	

452232-013 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8082 Prep Method: EPA 3541									
Aroclor-1016	ND		ug/Kg	100	1	276180	10/20/21	10/21/21	TRN
Aroclor-1221	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1232	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1242	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1248	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1254	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1260	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1262	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Aroclor-1268	ND		ug/Kg	50	1	276180	10/20/21	10/21/21	TRN
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	55%		%REC	19-121	1	276180	10/20/21	10/21/21	TRN

ND Not Detected

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	**Lab ID: QC950390**	**Batch: 276180**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC950390 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Aroclor-1016	ND		ug/Kg	100	10/20/21	10/20/21
Aroclor-1221	ND		ug/Kg	50	10/20/21	10/20/21
Aroclor-1232	ND		ug/Kg	50	10/20/21	10/20/21
Aroclor-1242	ND		ug/Kg	50	10/20/21	10/20/21
Aroclor-1248	ND		ug/Kg	50	10/20/21	10/20/21
Aroclor-1254	ND		ug/Kg	50	10/20/21	10/20/21
Aroclor-1260	ND		ug/Kg	50	10/20/21	10/20/21
Aroclor-1262	ND		ug/Kg	50	10/20/21	10/20/21
Aroclor-1268	ND		ug/Kg	50	10/20/21	10/20/21
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	61%		%REC	19-121	10/20/21	10/20/21

Type: Lab Control Sample	**Lab ID: QC950391**	**Batch: 276180**
Matrix: Soil	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC950391 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	345.4	500.0	ug/Kg	69%		14-150
Aroclor-1260	345.2	500.0	ug/Kg	69%		10-150
Surrogates						
Decachlorobiphenyl (PCB)	32.09	50.00	ug/Kg	64%		19-121

Type: Matrix Spike	**Lab ID: QC950392**	**Batch: 276180**
Matrix (Source ID): Soil (452232-001)	**Method: EPA 8082**	**Prep Method: EPA 3541**

QC950392 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	447.6	ND	500.0	ug/Kg	90%		42-127	10
Aroclor-1260	381.8	ND	500.0	ug/Kg	76%		38-130	10
Surrogates								
Decachlorobiphenyl (PCB)	32.74		50.00	ug/Kg	65%		19-121	10

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC950393**	**Batch:**	**276180**
Matrix (Source ID):	**Soil (452232-001)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3541**

QC950393 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	477.0	ND	500.0	ug/Kg	95%		42-127	6	30	10
Aroclor-1260	386.7	ND	500.0	ug/Kg	77%		38-130	1	30	10
Surrogates										
Decachlorobiphenyl (PCB)	34.51		50.00	ug/Kg	69%		19-121			10

ND Not Detected