Project No.
12165.000.002

April 5, 2019

Mr. Tim Steele
The Sobrato Organization
10600 N. De Anza Boulevard, Suite 200
Cupertino, CA 95014

Subject: Sobrato Property - Area 4
7200 Stevenson Boulevard
Newark, California

SUMMARY OF PHASE II ESA

Dear Mr. Steele:

As requested, we prepared this letter to evaluate whether any changes to the project or the circumstances, or new information as identified in the technical report listed below will result In a changed evaluation of impacts or mitigation measures listed in the 2015 *Newark Areas 3 and 4 Specific Plan Project Recirculated EIR (2015 REIR)*, for the Sobrato Property Area 4 project. As discussed below, the conclusions and recommendations of the following report is consistent with the conclusions and recommendations in the REIR:

- ENGEO; Phase II Environmental Site Assessment, Sobrato Property - Area 4, Newark, California; Project No. 12165.000.002; June 7, 2018.

We did not identify any new impacts and no new mitigation measures are required.

The Site is bounded by Union Pacific Railroad tracks on the northeast, an Alameda County Flood Control canal on the northwest and southeast, and Mowry Slough on the southwest. The Vesting Tentative Map (VTM) prepared by Carlson, Barbee, & Gibson, Inc. (CBG) dated September 17, 2018, shows that the property will be subdivided into 469 residential lots, three park parcels, and four boardwalk overlooks. Overall, the density of the development will be 2.6 dwelling units per acre. No development is planned within the existing wetlands areas. Four bridges are proposed as part of the street system, including a bridge extending Stevenson Boulevard over the existing Union Pacific Railroad on the north portion of the site. We understand that bridges will be designed to cross existing wetland areas and abutments for the bridges will be located outside of the wetland areas, avoiding the need for wetland fill.

PHASE II MITIGATION MEASURES

Based on the results of our sampling of the illegal fill soil identified in our Phase II report, and consistent with the conclusions reached in the REIR, there do not appear to be any significant impacts to the site from the fill material.

Based on the results of our Phase II assessment, mitigation measure HAZ-3.1, which was identified in the REIR, will be required for the proposed project. Mitigation measure HAZ-3.1 will require, among other things, documentation of the quality of imported soil and approval of such

documentation by the City prior to issuance of grading permits; periodic review of monitoring data to assess any changed conditions to Area 4; and soil vapor evaluations. To comply with mitigation measure HAZ-3.1, the upper 1 foot of soil in the unnamed parcel located west of the southern terminus of Steven's Creek Boulevard will be evaluated prior to development of the proposed project for residential use. In addition, pursuant to mitigation measure HAZ-3.1, oversight regulatory agencies will be engaged to determine an appropriate mitigation approach, such as encapsulation or excavation and disposal. With implementation of mitigation, impacts will be less than significant, which is consistent with the conclusion in the REIR.

CLOSING

If you have any questions or comments regarding this letter, please call.

Sincerely,

ENGEO Incorporated

Nadine Periat

Jeff Fippin, GE

REGISTERED PROFESSIONAL ENGINEER
JEFFREY A. FIPPIN
No. 2631
GEOTECHNICAL
STATE OF CALIFORNIA

Project No.
12165.000.002

June 7, 2018

Mr. Tim Steele
The Sobrato Organization
10600 N. DeAnza Boulevard, Suite 200
Cupertino, CA 95014

Subject: Sobrato Property – Area 4
Newark, California

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Dear Mr. Steele:

We are pleased to submit the findings from the environmental testing for the Sobrato property – Area 4 (Site) in Newark, California (Figure 1). The Site is bounded by Union Pacific railroad tracks on the northeast, an Alameda County Flood Control canal on the northwest and southeast, and Mowry Slough on the southwest. A significant amount of land within the project limits is delineated as wetland and aquatic habitat. We understand that only the upland areas of the Site will be used for future recreational and residential development in order to avoid the wetlands.

The site boundary is shown on Figures 1 and 2. The site and lands to the north and south have historically been assessed as three separate properties: Peery/Arrillaga Property (Southern property), Heath Property (Northern property), and the Rogers Property (Middle property including site area), shown on Figure 2.

- PES Environmental Inc., Phase II Investigation, 280-Acre Peery/Arrillaga Site, End of Stevenson Boulevard, Newark, California, August 15, 2006.
  Historically, the Peery/Arrillaga Property has been used for agricultural purposes since at least the 1950s. For the past 30 years, the site has reportedly been dry farmed, with no agricultural chemical use with the exception of 2,4-D use one year. The report documented sampling activities at 140 locations across the site, and analysis for organochlorine pesticides, lead and arsenic. No pesticide concentrations exceeded current screening levels, and metals were generally within background concentrations.

- PES Environmental Inc., Phase II Investigation, 110-Acre Heath Property, Mowry Avenue, Newark, California, September 25, 2006.
  Historically, the Heath Property was used for agricultural purposes from at least the 1940s. No information concerning pesticide use was available for the Heath Property. In the 1990s, approximately 100 cubic yards of imported soil were stored on the northwest portion of the Heath Property. Soil samples were collected at 50 locations to evaluate pesticide concentrations, and to evaluate whether former imported fill and nearby auto dismantling facilities had impacted the property. Toxaphene was reported above screening levels in most all samples (with exceptions where detection limits were raised above screening level). Dieldrin was reported in one sample above screening levels. Few exceedances for metals were reported by typically metal concentrations were consistent with background concentrations. Total extractable petroleum hydrocarbons as diesel and motor oil exceeded the screening levels in only one sample.

- PES Environmental Inc., Phase II Investigation, 115-Acre Rogers Property, Stevenson Boulevard, Newark, California, November 29, 2006.
  Historically, the Rogers Property was used as agricultural land since at least the 1940s. At the time of reporting, the Rogers Property had been used for dry farming with no pesticides for the past six to seven years (since approximately 1999 to 2000). Soil samples were collected from 68 locations (1 sample per acre across non-wetlands areas of the property). Concentrations of toxaphene and dieldrin exceeded residential soil screening criteria. Lead and arsenic were detected in shallow soil samples at concentrations consistent with background concentrations.

In the past, imported fill of an unknown origin (illegal fill) was placed in an approximately 1-acre footprint of the Rogers Property within the proposed development area shown on Figure 2.

The purpose of this investigation is to evaluate the vertical and lateral extent of contaminants of potential concern (COPCs) based on exceedances noted in the former phase II investigations and in the location of the illegal fill within the footprint of the proposed development. This investigation was conducted as two tasks.

TASK 1: ILLEGAL FILL SAMPLING

To determine if this material exhibits environmental impact, soil samples were collected and analyzed in general conformance with the 2001 DTSC *Information Advisory, Clean Imported Fill Material*.

Six sampling locations were selected using a uniform grid across the fill footprint (Figure 2). Samples were be collected from a depth of approximately 6 to 12 inches below the ground surface using hand-sampling methods. The samples were recovered within stainless steel liners sealed with Teflon® tape, plastic end caps, and tape. The samples were placed into an ice-cooled chest and delivered to Torrent Laboratory, Inc., a State-accredited analytical laboratory located in Milpitas, California under documented chain-of-custody. The samples were analyzed for the following:

- CAM-17 metals (EPA Methods 6010B and 7471B)
- Asbestos (CARB Method 435B)
- Hydrogen ion content (pH) (EPA Method 9045C)
- Chlorinated herbicides (EPA Method 8321B)
- Volatile organic compounds (VOCs) (EPA Method 8260B)
- Semi-VOCs (SVOCs) (EPA Method 8270C)
- TPH as gasoline, diesel, and motor oil (EPA Method 8015); diesel and motor oil analysis with silica gel cleanup
- PCBs (EPA Method 8082A)

Results of Illegal Fill Sampling

The results, attached, were reported as non-detect for TPH as gasoline, VOCs, SVOCs, chlorinated herbicides, and PCBs; pH was reported between 7.82 and 8.31. Detections of all other compounds were reported below both USEPA Regional Screening Levels (RSLs) for residential soil (May 2018)[1] and DTSC Human and Ecological Risk Office (HERO) modified screening levels (SLs) for residential soil (January 2018)[2].

[1] USEPA, Regional Screening Levels (RSLs), Resident Soil, May 2018.

[2] DTSC Human and Ecological Risk Office (HERO), Note 3, DTSC-modified Screening Levels (DTSC-SLs), Residential Soil, January 2018.

TASK 2: ORGANOCHLORINE PESTICIDE CONFIRMATION SAMPLING

The proposed development area encompasses areas within the Heath and Rogers properties. A 2006 investigation at the Heath property reported pesticide and metals concentrations below screening levels, and within the range of background concentrations, respectively. This area was not resampled during this investigation. The area within the Rogers property that is within the footprint of the development was selected for the additional soil sampling. This area measures approximately 48 acres. The area was divided into grids of 1 acre each, and one soil boring was located in each grid square.

Samples were collected at intervals of 0 to 12 inches, 12 to 24 inches, and 24 to 30 inches below the ground surface. Samples from 0 to 12 inches and 12 to 24 inches were analyzed for organochlorine pesticides by Environmental Protection Agency (EPA) Test Method 8081B, and samples from 24 to 30 inches were placed on hold pending analysis of shallower samples.

Results of Pesticide Confirmation Sampling

Soil analytical results were compared to USEPA Regional Screening Levels (RSLs, May 2018) for residential land use, as DTSC HERO Note 3 screening levels (January 2018) are not established for the detected analytes. Toxaphene exceeded the RSL in 19 of the 46 surface soil samples (0 to 12 inches below the ground surface). No other analytes were reported above RSLs in shallow soils, and no analytes were reported above RSLs in samples from 12 to 24 inches. A map showing distribution of shallow toxaphene detections above RSLs is provided as Figure 3.

CONCLUSIONS

Based on the results of the illegal fill soil sampled, there does not appear to be any significant impacts to the Site from the fill material.

Concentrations of toxaphene appear to have decreased since the former Rogers property was sampled in 2006. Elevated concentrations of toxaphene above the residential RSL persist in the upper 1 foot of soils in the northern and western portions of the property, in addition to the extreme southern portion. We recommend consideration of mitigation of the upper 1 foot of soil in these areas of the Site prior to redevelopment for residential reuse. The oversight regulatory agency should be engaged to determine an appropriate mitigation approach, such as encapsulation or excavation and disposal.

If you have any questions or comments regarding this letter, please call and we will be glad to discuss them with you.

Sincerely,

ENGEO Incorporated

Nadine Periat, PG
jl/jaa/dt

REGISTERED PROFESSIONAL ENGINEER
NADINE PERIAT
No. 9139
GEOTECHNICAL
STATE OF CALIFORNIA

Jeffrey A. Adams, PhD, PE

REGISTERED PROFESSIONAL ENGINEER
JEFFREY A. ADAMS
No. 69633
CIVIL
STATE OF CALIFORNIA

Attachments: Figures 1 - 3
Tables A and B
Torrent Laboratory, Inc., Laboratory Analysis Reports

FIGURES

Figure 1: Vicinity Map
Figure 2: Site Plan
Figure 3: Toxaphene Distribution Map

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0 METERS 1000

BASE MAP SOURCE: GOOGLE EARTH MAPPING SERVICE

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VICINITY MAP
SOBRATO PROPERTY - AREA 4
NEWARK, CALIFORNIA

PROJECT NO.: 12165.000.002		FIGURE NO. 1
SCALE: AS SHOWN		
DRAWN BY: SRP	CHECKED BY: JAA	

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ORIGINAL FIGURE PRINTED IN COLOR

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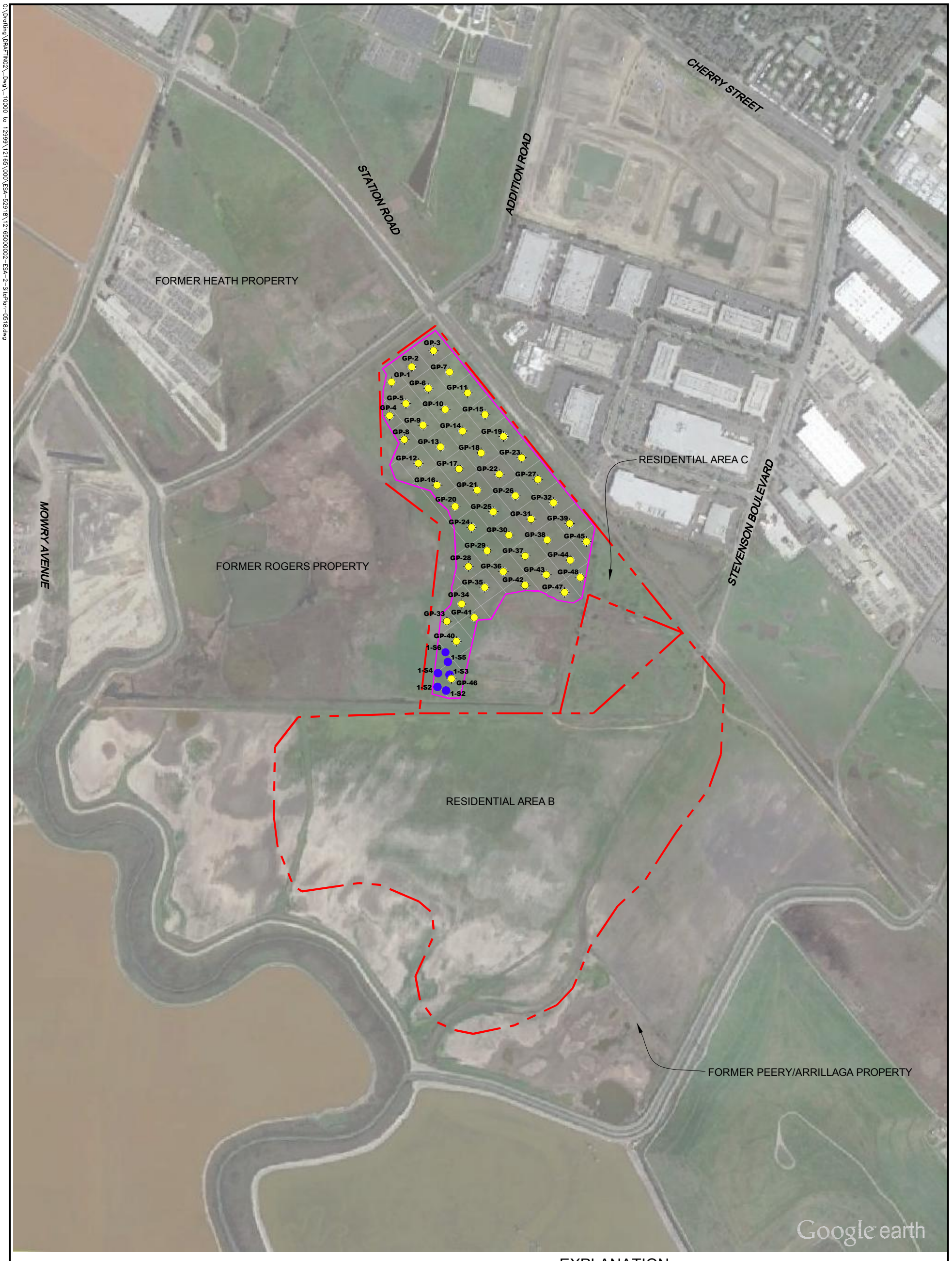

EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- 1-S6 ILLEGAL FILL SOIL SAMPLE (ENGEO, 2018)
- GP-46 SHALLOW SOIL BORING (ENGEO, 2018)
- SITE BOUNDARY
- INVESTIGATION AREA

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BASE MAP SOURCE: GOOGLE EARTH MAPPING SERVICE

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SITE PLAN

SOBRATO PROPERTY - AREA 4

NEWARK, CALIFORNIA

PROJECT NO.: 12165.000.002	FIGURE NO. 2
SCALE: AS SHOWN	
DRAWN BY: SRP	CHECKED BY: JAA

ORIGINAL FIGURE PRINTED IN COLOR

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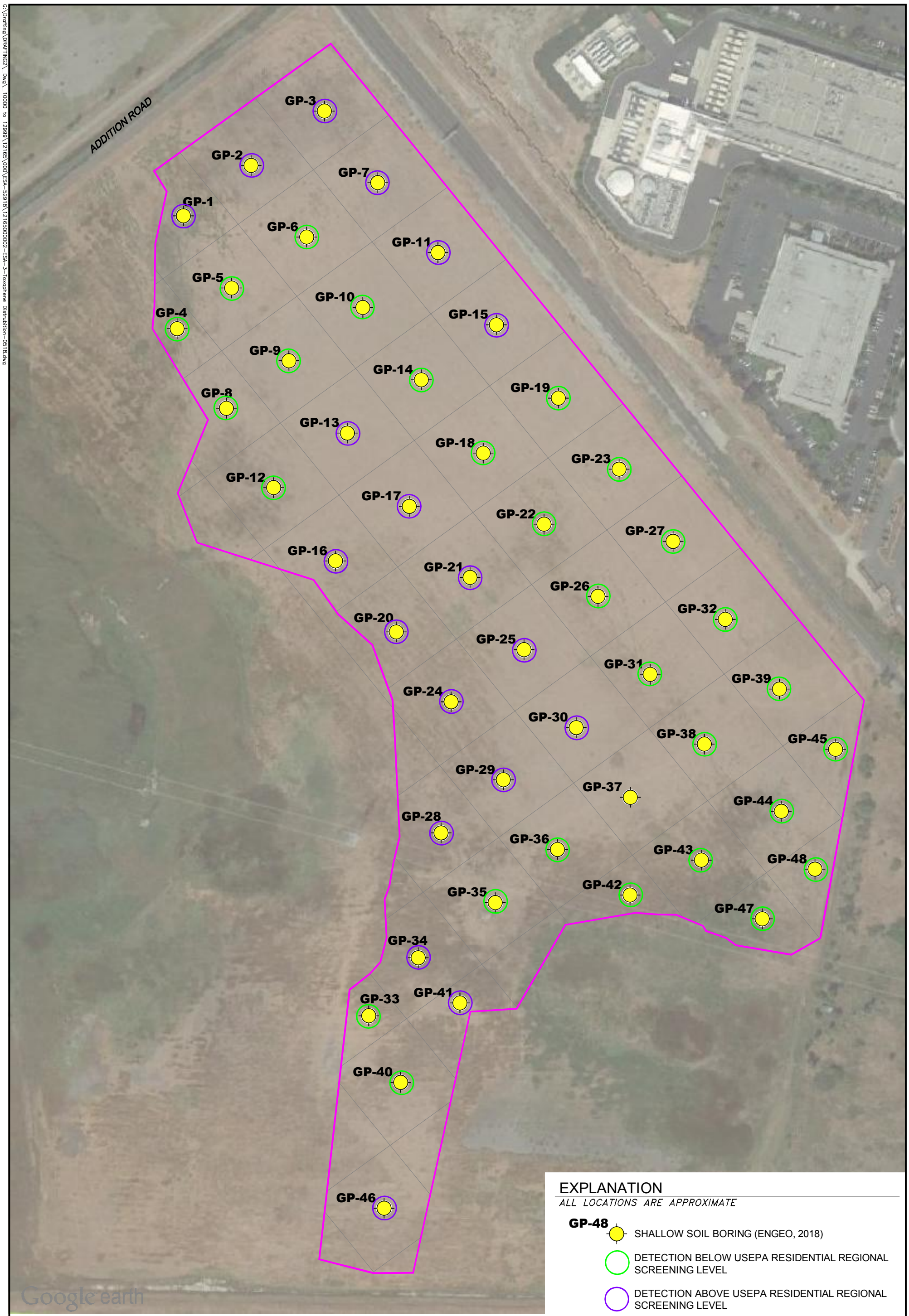

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BASE MAP SOURCE: GOOGLE EARTH MAPPING SERVICE

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TOXAPHENE DISTRIBUTION MAP
SOBRATO PROPERTY - AREA 4
NEWARK, CALIFORNIA

PROJECT NO.: 12165.000.002	FIGURE NO. 3
SCALE: AS SHOWN	
DRAWN BY: SRP	CHECKED BY: JAA

ORIGINAL FIGURE PRINTED IN COLOR

TABLE A

Table A: Summary of Soil Analytical Results – Illegal Fill Samples
Table B: Summary of Soil Analytical Results – Organochlorine Pesticide Borings

Table A
Summary of Soil Analytical Results
Illegal Fill Samples
Sobrato Property – Area 4
Newark, California

Sample ID	Date	Metals										Petroleum Hydrocarbons								
		Arsenic	Barium	Chromium	Cobalt	Copper	Nickel	Lead	Vanadium	Zinc	Other Metals	TPH-g	TPH-d	TPH-mo	VOCs	SVOCs	Chlorinated Herbicides	pH	PCBs	Asbestos
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	SU	µg/kg	(%)
	RSLs[1]	**0.68**	**1.50E+04**	**1.20E+05**	**23**	**3.10E+03**	**--**	**4.00E+02**	**3.90E+02**	**2.30E+04**	**N/A**	**82**	**1.10E+02**	**2.50E+03**	**N/A**	**N/A**	**N/A**	**--**	**N/A**	**0.25 = ACM**
	DTSC-SLs[2]	**0.11**	**--**	**3.60E+04**	**--**	**--**	**4.90E+02**	**80**	**390**	**--**	**N/A**	**--**	**--**	**--**	**N/A**	**N/A**	**N/A**	**--**	**N/A**	**>1 = Hazardous**
S-1 @ 6-12"	4/4/2018	6.00	209	73.6	18.7	70.6	87.2	15.4	75.9	87.3	ND	ND	3.54	10.5	ND	ND	ND	8.00	ND	ND
S-2 @ 6-12"	4/4/2018	4.05	298	54.1	10.8	31.2	60.2	15.7	39.3	61.8	ND	ND	3.01	20.6	ND	ND	ND	7.82	ND	ND
S-3 @ 6-12"	4/4/2018	4.05	323	48.1	8.35	28.5	50.6	11.3	28.8	56.1	ND	ND	2.38	ND	ND	ND	ND	8.31	ND	ND
S-4 @ 6-12"	4/4/2018	3.65	311	51.7	8.65	29.4	51.8	13.1	31.3	55.5	ND	ND	2.48	ND	ND	ND	ND	8.20	ND	ND
S-5 @ 6-12"	4/4/2018	3.60	244	61.8	11.5	35.9	59.8	9.20	44.6	59.3	ND	ND	3.00	10.7	ND	ND	ND	7.94	ND	ND
S-6 @ 6-12"	4/4/2018	7.55	310	56.3	9.15	32.6	54.8	11.0	31.7	61.8	ND	ND	3.14	ND	ND	ND	ND	7.94	ND	ND

mg/kg - milligrams per kilogram
µg/kg - micrograms per kilogram
ND - not detected
N/A Not Applicable
[1] USEPA, Regional Screening Levels (RSLs), Resident Soil, May 2018.
[2] DTSC Human and Ecological Risk Office (HERO), Note 3, DTSC-modified Screening Levels (DTSC-SLs), Residential Soil, January 2018.

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Table B
Summary of Soil Analytical Results
Organochlorine Pesticide Borings
Sobrato Property – Area 4
Newark, California

Sample ID	Depth interval (inches)	Sample Date	4,4-DDD	4,4-DDE	4,4-DDT	alpha-Chlordane	beta-BHC	Chlordane [1]	delta-BHC	Dieldrin	gamma-Chlordane	Heptachlor Epoxide	Toxaphene
			µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		USEPA RSL	**1.90E+03**	**2.00E+03**	**1.90E+03**	**--**	**3.00E+02**	**4.40E+02**	**--**	**3.40E+01**	**--**	**7.00E+01**	**4.90E+02**
GP-1-1'	0-12	5/15/2018	ND	7.02E+02	1.65E+02	ND	ND	ND	ND	7.11E+00	ND	ND	8.71E+02
GP-1-2'	12-24	5/15/2018	ND	2.00E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-2-1'	0-12	5/15/2018	ND	1.05E+03	1.55E+02	ND	ND	ND	ND	1.02E+01	ND	ND	1.09E+03
GP-2-2'	12-24	5/15/2018	2.12E+01	1.12E+03	ND	ND	ND	ND	ND	ND	ND	ND	4.85E+02
GP-3-1'	0-12	5/15/2018	ND	1.12E+03	1.16E+02	ND	ND	ND	ND	9.49E+00	ND	ND	1.04E+03
GP-3-2'	12-24	5/15/2018	ND	8.69E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-4-1'	0-12	5/15/2018	ND	1.83E+02	1.47E+01	ND	ND	ND	ND	ND	ND	ND	1.43E+02
GP-4-2'	12-24	5/15/2018	ND	1.04E+01	ND	ND	ND	ND	ND	ND	ND	ND	5.02E+01
GP-5-1'	0-12	5/15/2018	4.30E+00	4.02E+02	5.55E+01	ND	ND	ND	ND	ND	ND	ND	1.32E+02
GP-5-2'	12-24	5/15/2018	6.99E+00	1.85E+02	1.20E+01	ND	ND	ND	ND	ND	ND	ND	9.79E+01
GP-6-1'	0-12	5/15/2018	ND	7.47E+02	5.58E+01	ND	ND	ND	ND	ND	ND	ND	3.63E+02
GP-6-2'	12-24	5/15/2018	ND	3.12E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-7-1'	0-12	5/15/2018	ND	6.54E+02	1.24E+02	ND	ND	ND	ND	1.08E+01	ND	ND	9.64E+02
GP-7-2'	12-24	5/15/2018	ND	6.63E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-8-1'	0-12	5/15/2018	3.14E+00	2.12E+02	2.45E+01	ND	ND	ND	ND	ND	ND	ND	3.09E+02
GP-8-2'	12-24	5/15/2018	ND	6.05E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-9-1'	0-12	5/15/2018	ND	2.90E+01	3.23E+00	ND	ND	ND	ND	ND	ND	ND	6.77E+01
GP-9-2'	12-24	5/15/2018	ND	1.42E+01	2.04E+00	ND	ND	ND	ND	ND	ND	ND	ND
GP-10-1'	0-12	5/15/2018	ND	5.27E+02	3.10E+01	ND	ND	ND	ND	7.40E+00	ND	ND	4.73E+02
GP-10-2'	12-24	5/15/2018	ND	2.45E+02	1.62E+01	ND	ND	ND	ND	3.98E+00	ND	ND	2.29E+02
GP-11-1'	0-12	4.32E+04	ND	3.64E+02	5.08E+01	ND	ND	ND	ND	6.17E+00	ND	ND	6.63E+02
GP-11-2'	12-24	5/15/2018	ND	2.63E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-12-1'	0-12	5/15/2018	3.13E+00	2.40E+02	3.19E+01	ND	ND	ND	ND	ND	ND	ND	3.90E+02
GP-12-2'	12-24	5/15/2018	3.46E+00	2.78E+02	3.84E+01	ND	ND	ND	ND	ND	2.80E+00	ND	4.80E+02
GP-13-1'	0-12	5/15/2018	4.29E+00	4.86E+02	5.08E+01	ND	ND	ND	ND	ND	ND	ND	6.93E+02
GP-13-2'	12-24	5/15/2018	ND	8.51E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-14-1'	0-12	5/15/2018	ND	5.22E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-14-2'	12-24	5/15/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-15-1'	0-12	5/15/2018	ND	3.13E+02	3.88E+01	ND	ND	ND	ND	ND	ND	ND	5.68E+02
GP-15-2'	12-24	5/15/2018	ND	1.20E+01	ND	ND	ND	ND	ND	ND	ND	ND	5.03E+01
GP-16-1'	0-12	5/15/2018	7.16E+00	2.73E+02	ND	ND	ND	ND	ND	ND	ND	ND	6.72E+02
GP-16-2'	12-24	5/15/2018	ND	2.15E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-17-1'	0-12	5/15/2018	9.55E+00	3.71E+02	2.16E+02	ND	ND	ND	ND	1.03E+01	7.10E+00	ND	8.98E+02
GP-17-2'	12-24	5/15/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-18-1'	0-12	5/15/2018	ND	1.84E+01	3.07E+00	ND	ND	ND	ND	ND	ND	ND	ND
GP-18-2'	12-24	5/15/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-19-1'	0-12	5/15/2018	ND	1.15E+02	ND	ND	ND	ND	ND	ND	ND	ND	3.32E+02
GP-19-2'	12-24	5/15/2018	ND	2.64E+00	ND	ND	2.20E+00	ND	ND	ND	ND	ND	ND
GP-20-1'	0-12	5/15/2018	ND	4.93E+02	ND	ND	ND	ND	ND	8.53E+00	ND	5.06E+00	9.18E+02
GP-20-2'	12-24	5/15/2018	ND	4.36E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-21-1'	0-12	5/15/2018	1.27E+01	8.71E+02	9.72E+01	ND	ND	ND	ND	9.04E+00	ND	ND	7.81E+02
GP-21-2'	12-24	5/15/2018	ND	2.94E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-22-1'	0-12	5/15/2018	ND	1.67E+02	1.19E+01	ND	ND	ND	ND	ND	ND	ND	2.65E+02
GP-22-2'	12-24	5/15/2018	ND	3.84E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-23-1'	0-12	5/15/2018	ND	3.35E+02	4.40E+01	ND	ND	ND	ND	3.52E+00	ND	ND	3.57E+02
GP-23-2'	12-24	5/15/2018	ND	3.37E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-24-1'	0-12	5/14/2018	5.14E+00	5.48E+02	5.45E+01	ND	ND	ND	ND	ND	ND	ND	8.69E+02
GP-24-2'	12-24	5/14/2018	ND	2.48E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-25-1'	0-12	5/14/2018	5.97E+00	6.27E+02	5.85E+01	ND	ND	ND	ND	ND	ND	ND	6.91E+02
GP-25-2'	12-24	5/14/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-26-1'	0-12	5/14/2018	ND	2.38E+02	2.56E+01	ND	ND	ND	ND	ND	ND	ND	3.65E+02
GP-26-2'	12-24	5/14/2018	ND	9.54E+01	6.86E+00	ND	ND	ND	ND	ND	ND	ND	1.57E+02
GP-27-1'	0-12	5/14/2018	ND	1.27E+02	8.79E+00	ND	ND	ND	ND	ND	ND	ND	1.92E+02
GP-27-2'	12-24	5/14/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-28-1'	0-12	5/14/2018	ND	6.10E+02	6.79E+01	ND	ND	ND	ND	ND	ND	ND	1.09E+03
GP-28-2'	12-24	5/14/2018	ND	2.18E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-29-1'	0-12	5/14/2018	8.15E+00	5.57E+02	3.81E+01	ND	ND	ND	ND	ND	ND	ND	7.94E+02
GP-29-2'	12-24	5/14/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-30-1'	0-12	5/14/2018	9.66E+00	4.58E+02	4.19E+01	ND	ND	ND	ND	5.20E+00	ND	ND	6.75E+02
GP-30-2'	12-24	5/14/2018	ND	4.46E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-31-1'	0-12	5/14/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-31-2'	12-24	5/14/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-32-1'	0-12	5/14/2018	ND	8.32E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-32-2'	12-24	5/14/2018	ND	4.26E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-33-1'	0-12	5/14/2018	ND	2.35E+02	1.82E+01	ND	ND	ND	ND	ND	ND	ND	2.77E+02
GP-33-2'	12-24	5/14/2018	ND	5.15E+01	ND	7.37E+00	ND	9.43E+01	ND	ND	7.66E+00	ND	ND
GP-34-1'	0-12	5/14/2018	ND	6.81E+02	7.37E+01	ND	ND	ND	ND	ND	ND	ND	1.07E+03
GP-34-2'	12-24	5/14/2018	ND	2.10E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND

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Table B
Summary of Soil Analytical Results
Organochlorine Pesticide Borings
Sobrato Property – Area 4
Newark, California

Sample ID	Depth interval (inches)	Sample Date	4,4-DDD	4,4-DDE	4,4-DDT	alpha-Chlordane	beta-BHC	Chlordane [1]	delta-BHC	Dieldrin	gamma-Chlordane	Heptachlor Epoxide	Toxaphene
			µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
		USEPA RSL	**1.90E+03**	**2.00E+03**	**1.90E+03**	**--**	**3.00E+02**	**4.40E+02**	**--**	**3.40E+01**	**--**	**7.00E+01**	**4.90E+02**
GP-35-1'	0-12	5/14/2018	ND	2.48E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-35-2'	12-24	5/14/2018	ND	6.95E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-36-1'	0-12	5/14/2018	ND	1.79E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-36-2'	12-24	5/14/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-37-1'	0-12	5/14/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-37-2'	12-24	5/14/2018	ND	2.53E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-38-1'	0-12	5/14/2018	ND	6.78E+01	1.08E+01	ND	ND	ND	ND	ND	ND	ND	1.68E+02
GP-38-2'	12-24	5/14/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-39-1'	0-12	5/14/2018	ND	2.74E+02	ND	ND	ND	ND	ND	ND	ND	ND	3.59E+02
GP-39-2'	12-24	5/14/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-40-1'	0-12	5/14/2018	8.55E+00	4.84E+02	5.77E+01	ND	ND	ND	ND	ND	ND	ND	ND
GP-40-2'	12-24	5/14/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-41-1'	0-12	5/14/2018	ND	8.23E+02	1.04E+02	ND	ND	ND	ND	ND	ND	ND	1.75E+03
GP-41-2'	12-24	5/14/2018	ND	2.67E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-42-1'	0-12	5/14/2018	ND	1.88E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-42-2'	12-24	5/14/2018	ND	2.24E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-43-1'	0-12	5/14/2018	5.89E+00	2.25E+02	6.33E+00	ND	ND	ND	ND	4.52E+00	ND	ND	3.76E+02
GP-43-2'	12-24	5/14/2018	ND	1.59E+01	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-44-1'	0-12	5/14/2018	ND	8.53E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-44-2'	12-24	5/14/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-45-1'	0-12	5/14/2018	ND	6.40E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-45-2'	12-24	5/14/2018	ND	4.36E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-46-1'	0-12	5/14/2018	8.78E+00	7.94E+02	1.12E+02	ND	ND	ND	ND	ND	ND	ND	2.05E+03
GP-46-2'	12-24	5/14/2018	ND	3.23E+00	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-47-1'	0-12	5/14/2018	7.04E+00	1.99E+02	3.41E+00	ND	1.36E+00	ND	1.04E+00	ND	ND	ND	3.00E+02
GP-47-2'	12-24	5/14/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
GP-48-1'	0-12	5/14/2018	5.78E+00	1.36E+02	1.81E+01	ND	ND	ND	ND	3.44E+00	ND	2.27E+00	2.39E+02
GP-48-2'	12-24	5/14/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes

USEPA Regional Screening Levels (RSLs) for residential soil (May 2018)

1 - DTSC Hero Note 3 Value for residential soil (January 2018)

µg/kg micrograms per kilogram

ND = not detected

All analytes analyzed by EPA Test Method 8081B

Concentration exceeds USEPA RSL

ENGEO
Expect Excellence

TORRENT LABORATORY, INC.

Laboratory Analysis Reports

12165.000.002
June 7, 2018

Engeo (San Ramon)
2010 Crow Canyon Place,#250
San Ramon, California 94583
Tel: (925) 866-9000
Fax: (925) 866-0199

RE: Sobrato Property-Area 4

Work Order No.: 1804037 Rev. 1

Dear Kelsey Gerhart:

Torrent Laboratory, Inc. received 6 sample(s) on April 04, 2018 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991 If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Belinda Vega
Vice President of Operations

April 09, 2018
Date

Date: 4/9/2018

Client: Engeo (San Ramon)

Project: Sobrato Property-Area 4

Work Order: 1804037

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Asbestos data was sub-contracted to ELAP certified laboratory EMSL. Sub-contract data will follow under a separate cover.

Analytical Comments for method 8260B, 1804037-006A MSD, QC Analytical Preparation ID 1104070, Note:The % recovery for Toluene is outside of laboratory control limits but % RPD is within limits. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

REVISIONS

Report revised to include sub-contracted Asbestos data. Sub-contract data appears at the end of the Torrent generated report.

Rev. 1 (4/13/18)

Sample Result Summary

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/04/18
Date Reported: 04/09/18

S-1 @ 6-12" 1804037-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	3.00	6.00	mg/Kg
Barium	SW6010B	1	0.055	5.00	209	mg/Kg
Chromium	SW6010B	1	0.075	5.00	73.6	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	18.7	mg/Kg
Copper	SW6010B	1	0.20	5.00	70.6	mg/Kg
Lead	SW6010B	1	0.10	1.30	15.4	mg/Kg
Nickel	SW6010B	1	0.50	5.00	87.2	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	75.9	mg/Kg
Zinc	SW6010B	1	0.30	5.00	87.3	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	3.54	mg/Kg
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	10.5	mg/Kg
pH	SW9045C	1	0.10	2.00	8.00	SU

S-2 @ 6-12" 1804037-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	3.00	4.05	mg/Kg
Barium	SW6010B	1	0.055	5.00	298	mg/Kg
Chromium	SW6010B	1	0.075	5.00	54.1	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.8	mg/Kg
Copper	SW6010B	1	0.20	5.00	31.2	mg/Kg
Lead	SW6010B	1	0.10	1.30	15.7	mg/Kg
Nickel	SW6010B	1	0.50	5.00	60.2	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	39.3	mg/Kg
Zinc	SW6010B	1	0.30	5.00	61.8	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	3.01	mg/Kg
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	20.6	mg/Kg
pH	SW9045C	1	0.10	2.00	7.82	SU

Sample Result Summary

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/04/18
Date Reported: 04/09/18

S-3 @ 6-12" 1804037-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	3.00	4.05	mg/Kg
Barium	SW6010B	1	0.055	5.00	323	mg/Kg
Chromium	SW6010B	1	0.075	5.00	48.1	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	8.35	mg/Kg
Copper	SW6010B	1	0.20	5.00	28.5	mg/Kg
Lead	SW6010B	1	0.10	1.30	11.3	mg/Kg
Nickel	SW6010B	1	0.50	5.00	50.6	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	28.8	mg/Kg
Zinc	SW6010B	1	0.30	5.00	56.1	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	2.38	mg/Kg
pH	SW9045C	1	0.10	2.00	8.31	SU

S-4 @ 6-12" 1804037-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	3.00	3.65	mg/Kg
Barium	SW6010B	1	0.055	5.00	311	mg/Kg
Chromium	SW6010B	1	0.075	5.00	51.7	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	8.65	mg/Kg
Copper	SW6010B	1	0.20	5.00	29.4	mg/Kg
Lead	SW6010B	1	0.10	1.30	13.1	mg/Kg
Nickel	SW6010B	1	0.50	5.00	51.8	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	31.3	mg/Kg
Zinc	SW6010B	1	0.30	5.00	55.5	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	2.48	mg/Kg
pH	SW9045C	1	0.10	2.00	8.20	SU

S-5 @ 6-12" 1804037-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	3.00	3.60	mg/Kg
Barium	SW6010B	1	0.055	5.00	244	mg/Kg
Chromium	SW6010B	1	0.075	5.00	61.8	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	11.5	mg/Kg
Copper	SW6010B	1	0.20	5.00	35.9	mg/Kg
Lead	SW6010B	1	0.10	1.30	9.20	mg/Kg
Nickel	SW6010B	1	0.50	5.00	59.8	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	44.6	mg/Kg
Zinc	SW6010B	1	0.30	5.00	59.3	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	3.00	mg/Kg
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	10.7	mg/Kg
pH	SW9045C	1	0.10	2.00	7.94	SU

Sample Result Summary

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/04/18
Date Reported: 04/09/18

S-6 @ 6-12" 1804037-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	3.00	7.55	mg/Kg
Barium	SW6010B	1	0.055	5.00	310	mg/Kg
Chromium	SW6010B	1	0.075	5.00	56.3	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	9.15	mg/Kg
Copper	SW6010B	1	0.20	5.00	32.6	mg/Kg
Lead	SW6010B	1	0.10	1.30	11.0	mg/Kg
Nickel	SW6010B	1	0.50	5.00	54.8	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	31.7	mg/Kg
Zinc	SW6010B	1	0.30	5.00	61.8	mg/Kg
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	3.14	mg/Kg
pH	SW9045C	1	0.10	2.00	7.94	SU

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-1 @ 6-12"	**Lab Sample ID:**	1804037-001A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:30		
SDG:			

Prep Method:	3546-Herb	**Prep Batch Date/Time:**	4/6/18	3:45:00PM
Prep Batch ID:	1104042	**Prep Analyst:**	MKAUR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Bentazone	SW8321B	1	150	500	ND		ug/Kg	04/06/18	22:08	MK	430854
Dinoseb	SW8321B	1	97	500	ND		ug/Kg	04/06/18	22:08	MK	430854
Dichloroprop	SW8321B	1	160	500	ND		ug/Kg	04/06/18	22:08	MK	430854
2,4,5-TP	SW8321B	1	210	500	ND		ug/Kg	04/06/18	22:08	MK	430854
2,4,5-T	SW8321B	1	170	500	ND		ug/Kg	04/06/18	22:08	MK	430854
2,4-D	SW8321B	1	160	500	ND		ug/Kg	04/06/18	22:08	MK	430854
Picloram	SW8321B	1	160	500	ND		ug/Kg	04/06/18	22:08	MK	430854
MCPA	SW8321B	1	130	500	ND		ug/Kg	04/06/18	22:08	MK	430854
Acifluorofen	SW8321B	1	190	500	ND		ug/Kg	04/06/18	22:08	MK	430854
MCPP	SW8321B	1	140	500	ND		ug/Kg	04/06/18	22:08	MK	430854
3,5-DCBA	SW8321B	1	130	500	ND		ug/Kg	04/06/18	22:08	MK	430854
			Acceptance Limits								
Atrazine d-5 (S)	SW8321B		50 - 150		**119**		%	04/06/18	22:08	MK	430854

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-1 @ 6-12"	**Lab Sample ID:**	1804037-001A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:30		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	4/4/18	6:20:00PM
Prep Batch ID:	1104015	**Prep Analyst:**	BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	04/06/18	11:31	BJAY	430788

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-1 @ 6-12"	**Lab Sample ID:**	1804037-001A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:30		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	4/5/18	6:20:00PM
Prep Batch ID:	1104014	**Prep Analyst:**	BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Arsenic	SW6010B	1	0.15	3.00	**6.00**		mg/Kg	04/06/18	18:00	PPATEL	430828
Barium	SW6010B	1	0.055	5.00	**209**		mg/Kg	04/06/18	18:00	PPATEL	430828
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Chromium	SW6010B	1	0.075	5.00	**73.6**		mg/Kg	04/06/18	18:00	PPATEL	430828
Cobalt	SW6010B	1	0.070	5.00	**18.7**		mg/Kg	04/06/18	18:00	PPATEL	430828
Copper	SW6010B	1	0.20	5.00	**70.6**		mg/Kg	04/06/18	18:00	PPATEL	430828
Lead	SW6010B	1	0.10	1.30	**15.4**		mg/Kg	04/06/18	18:00	PPATEL	430828
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Nickel	SW6010B	1	0.50	5.00	**87.2**		mg/Kg	04/06/18	18:00	PPATEL	430828
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Vanadium	SW6010B	1	0.10	5.00	**75.9**		mg/Kg	04/06/18	18:00	PPATEL	430828
Zinc	SW6010B	1	0.30	5.00	**87.3**		mg/Kg	04/06/18	18:00	PPATEL	430828

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-1 @ 6-12"	**Lab Sample ID:**	1804037-001A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:30		
SDG:			

Prep Method:	3546_PCB	**Prep Batch Date/Time:**	4/6/18 10:28:00AM
Prep Batch ID:	1104021	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	04/06/18	13:41	mk	430816
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	04/06/18	13:41	mk	430816
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	04/06/18	13:41	mk	430816
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	04/06/18	13:41	mk	430816
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	04/06/18	13:41	mk	430816
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	04/06/18	13:41	mk	430816
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	04/06/18	13:41	mk	430816
			Acceptance Limits								
TCMX (S)	SW8082A		48 - 125		**84.0**		%	04/06/18	13:41	mk	430816
DCBP (S)	SW8082A		48 - 135		**100**		%	04/06/18	13:41	mk	430816

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-1 @ 6-12"	**Lab Sample ID:**	1804037-001A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:30		
SDG:			

Prep Method:	9045C	**Prep Batch Date/Time:**	4/9/18	10:20:00AM
Prep Batch ID:	1104081	**Prep Analyst:**	APAL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
pH	SW9045C	1	0.10	2.00	**8.00**		SU	04/09/18	10:20	APAL	430827

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-1 @ 6-12"	**Lab Sample ID:**	1804037-001A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:30		
SDG:			

Prep Method:	3546-BNASIM	**Prep Batch Date/Time:**	4/5/18 5:53:00PM
Prep Batch ID:	1104003	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosdimethylamine	SW8270C	1	0.22	101	ND		ug/Kg	04/06/18	23:47	MT	430807
Phenol	SW8270C	1	1.7	101	ND		ug/Kg	04/06/18	23:47	MT	430807
Bis(2-chloroethyl) ether	SW8270C	1	0.50	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
2-Chlorophenol	SW8270C	1	1.2	101	ND		ug/Kg	04/06/18	23:47	MT	430807
1,3-Dichlorobenzene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
1,4-Dichlorobenzene	SW8270C	1	1.1	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
1,2-Dichlorobenzene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
2-Methylphenol (o-Cresol)	SW8270C	1	1.0	101	ND		ug/Kg	04/06/18	23:47	MT	430807
Bis(2-chloroisopropyl)ether	SW8270C	1	0.50	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	1	1.2	101	ND		ug/Kg	04/06/18	23:47	MT	430807
N-nitroso-di-n-propylamine	SW8270C	1	1.3	101	ND		ug/Kg	04/06/18	23:47	MT	430807
Hexachloroethane	SW8270C	1	0.29	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Nitrobenzene	SW8270C	1	0.65	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
2-Nitrophenol	SW8270C	1	1.0	101	ND		ug/Kg	04/06/18	23:47	MT	430807
2,4-Dimethylphenol	SW8270C	1	1.2	101	ND		ug/Kg	04/06/18	23:47	MT	430807
Bis(2-Chloroethoxy)methane	SW8270C	1	3.6	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
2,4-Dichlorophenol	SW8270C	1	0.36	101	ND		ug/Kg	04/06/18	23:47	MT	430807
1,2,4-Trichlorobenzene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Naphthalene	SW8270C	1	0.29	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
4-Chloroaniline	SW8270C	1	0.50	101	ND		ug/Kg	04/06/18	23:47	MT	430807
2,6-Dichlorophenol	SW8270C	1	0.36	101	ND		ug/Kg	04/06/18	23:47	MT	430807
Hexachloro-1,3-butadiene	SW8270C	1	0.36	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
4-Chloro-3-methylphenol	SW8270C	1	1.0	101	ND		ug/Kg	04/06/18	23:47	MT	430807
2-Methylnaphthalene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
1-Methylnaphthalene	SW8270C	1	0.43	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
2,4,6-Trichlorophenol	SW8270C	1	0.65	101	ND		ug/Kg	04/06/18	23:47	MT	430807
2,4,5-Trichlorophenol	SW8270C	1	0.58	101	ND		ug/Kg	04/06/18	23:47	MT	430807
2-Chloronaphthalene	SW8270C	1	0.65	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
1,4-Dinitrobenzene	SW8270C	1	3.3	101	ND		ug/Kg	04/06/18	23:47	MT	430807
Dimethyl phthalate	SW8270C	1	0.65	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
1,3-Dinitrobenzene	SW8270C	1	2.7	101	ND		ug/Kg	04/06/18	23:47	MT	430807
Acenaphthylene	SW8270C	1	0.29	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
2,6-Dinitrotoluene	SW8270C	1	2.9	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
1,2-Dinitrobenzene	SW8270C	1	4.7	101	ND		ug/Kg	04/06/18	23:47	MT	430807
Acenaphthene	SW8270C	1	0.29	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Dibenzofuran	SW8270C	1	0.58	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-1 @ 6-12"	**Lab Sample ID:**	1804037-001A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:30		
SDG:			

Prep Method:	3546-BNASIM	**Prep Batch Date/Time:**	4/5/18 5:53:00PM
Prep Batch ID:	1104003	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
2,4-Dinitrotoluene	SW8270C	1	2.4	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
2,3,5,6-Tetrachlorophenol	SW8270C	1	6.0	101	ND		ug/Kg	04/06/18	23:47	MT	430807
2,3,4,6-Tetrachlorophenol	SW8270C	1	6.6	101	ND		ug/Kg	04/06/18	23:47	MT	430807
Diethylphthalate	SW8270C	1	1.7	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Fluorene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
4-Chlorophenyl phenyl ether	SW8270C	1	0.65	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
4-Bromophenyl phenyl ether	SW8270C	1	0.36	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Hexachlorobenzene	SW8270C	1	0.36	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Pentachlorophenol	SW8270C	1	5.2	101	ND		ug/Kg	04/06/18	23:47	MT	430807
Phenanthrene	SW8270C	1	0.36	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Anthracene	SW8270C	1	0.65	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Carbazole	SW8270C	1	0.94	101	ND		ug/Kg	04/06/18	23:47	MT	430807
Di-n-butylphthalate	SW8270C	1	1.7	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Fluoranthene	SW8270C	1	0.00065	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Pyrene	SW8270C	1	0.58	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Benzyl butyl phthalate	SW8270C	1	1.2	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Benz[a]anthracene	SW8270C	1	0.58	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Chrysene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Bis(2-Ethylhexyl)phthalate	SW8270C	1	3.6	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Di-n-octyl phthalate	SW8270C	1	1.1	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Benzo[b]fluoranthene	SW8270C	1	0.58	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Benzo[k]fluoranthene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Benzo[a]pyrene	SW8270C	1	0.58	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.79	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Dibenz[a,h]anthracene	SW8270C	1	0.72	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
Benzo[g,h,i]perylene	SW8270C	1	0.72	50.4	ND		ug/Kg	04/06/18	23:47	MT	430807
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 125		**65.5**		%	04/06/18	23:47	MT	430807
Phenol-d6 (S)	SW8270C		25 - 125		**79.9**		%	04/06/18	23:47	MT	430807
Nitrobenzene-d5 (S)	SW8270C		35 - 125		**77.1**		%	04/06/18	23:47	MT	430807
2-Fluorobiphenyl (S)	SW8270C		35 - 125		**79.1**		%	04/06/18	23:47	MT	430807
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		**73.6**		%	04/06/18	23:47	MT	430807
p-Terphenyl-d14 (S)	SW8270C		35 - 125		**98.5**		%	04/06/18	23:47	MT	430807

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-1 @ 6-12"	**Lab Sample ID:**	1804037-001A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:30		
SDG:			

Prep Method:	3546_TPHSG	**Prep Batch Date/Time:**	4/4/18 5:25:00PM
Prep Batch ID:	1103964	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	**3.54**	x	mg/Kg	04/05/18	17:12	mk	430766
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	**10.5**		mg/Kg	04/05/18	17:12	mk	430766
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**81.0**		%	04/05/18	17:12	mk	430766

NOTE: x- Diesel result due to over-lapping of oil range organics and presence of discrete peaks within diesel quantified range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-1 @ 6-12"	**Lab Sample ID:**	1804037-001A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:30		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104070	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	04/06/18	22:20	NP	430812
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	04/06/18	22:20	NP	430812
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	22:20	NP	430812
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	04/06/18	22:20	NP	430812
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	04/06/18	22:20	NP	430812
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	22:20	NP	430812
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	04/06/18	22:20	NP	430812
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	04/06/18	22:20	NP	430812
TAME	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	04/06/18	22:20	NP	430812
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	22:20	NP	430812
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:20	NP	430812

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-1 @ 6-12"	**Lab Sample ID:**	1804037-001A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:30		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104070	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	22:20	NP	430812
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	04/06/18	22:20	NP	430812
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:20	NP	430812
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	22:20	NP	430812
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	22:20	NP	430812
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:20	NP	430812
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	04/06/18	22:20	NP	430812
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:20	NP	430812
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	22:20	NP	430812
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	04/06/18	22:20	NP	430812
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	22:20	NP	430812
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	22:20	NP	430812
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	22:20	NP	430812
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**100**		%	04/06/18	22:20	NP	430812
(S) Toluene-d8	SW8260B		55.2 - 133		**113**		%	04/06/18	22:20	NP	430812
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**105**		%	04/06/18	22:20	NP	430812

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-1 @ 6-12"	**Lab Sample ID:**	1804037-001A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:30		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104071	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	04/06/18	22:20	NP	430812
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**64.6**		%	04/06/18	22:20	NP	430812

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-2 @ 6-12"	**Lab Sample ID:**	1804037-002A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:45		
SDG:			

Prep Method:	3546-Herb	**Prep Batch Date/Time:**	4/6/18	3:45:00PM
Prep Batch ID:	1104042	**Prep Analyst:**	MKAUR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Bentazone	SW8321B	1	150	500	ND		ug/Kg	04/06/18	22:21	MK	430854
Dinoseb	SW8321B	1	97	500	ND		ug/Kg	04/06/18	22:21	MK	430854
Dichloroprop	SW8321B	1	160	500	ND		ug/Kg	04/06/18	22:21	MK	430854
2,4,5-TP	SW8321B	1	210	500	ND		ug/Kg	04/06/18	22:21	MK	430854
2,4,5-T	SW8321B	1	170	500	ND		ug/Kg	04/06/18	22:21	MK	430854
2,4-D	SW8321B	1	160	500	ND		ug/Kg	04/06/18	22:21	MK	430854
Picloram	SW8321B	1	160	500	ND		ug/Kg	04/06/18	22:21	MK	430854
MCPA	SW8321B	1	130	500	ND		ug/Kg	04/06/18	22:21	MK	430854
Acifluorofen	SW8321B	1	190	500	ND		ug/Kg	04/06/18	22:21	MK	430854
MCPP	SW8321B	1	140	500	ND		ug/Kg	04/06/18	22:21	MK	430854
3,5-DCBA	SW8321B	1	130	500	ND		ug/Kg	04/06/18	22:21	MK	430854
			Acceptance Limits								
Atrazine d-5 (S)	SW8321B		50 - 150		**120**		%	04/06/18	22:21	MK	430854

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-2 @ 6-12"	**Lab Sample ID:**	1804037-002A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:45		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	4/4/18	6:20:00PM
Prep Batch ID:	1104015	**Prep Analyst:**	BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	04/06/18	11:33	BJAY	430788

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-2 @ 6-12"	**Lab Sample ID:**	1804037-002A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:45		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	4/5/18	6:20:00PM
Prep Batch ID:	1104014	**Prep Analyst:**	BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Arsenic	SW6010B	1	0.15	3.00	**4.05**		mg/Kg	04/06/18	18:00	PPATEL	430828
Barium	SW6010B	1	0.055	5.00	**298**		mg/Kg	04/06/18	18:00	PPATEL	430828
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Chromium	SW6010B	1	0.075	5.00	**54.1**		mg/Kg	04/06/18	18:00	PPATEL	430828
Cobalt	SW6010B	1	0.070	5.00	**10.8**		mg/Kg	04/06/18	18:00	PPATEL	430828
Copper	SW6010B	1	0.20	5.00	**31.2**		mg/Kg	04/06/18	18:00	PPATEL	430828
Lead	SW6010B	1	0.10	1.30	**15.7**		mg/Kg	04/06/18	18:00	PPATEL	430828
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Nickel	SW6010B	1	0.50	5.00	**60.2**		mg/Kg	04/06/18	18:00	PPATEL	430828
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Vanadium	SW6010B	1	0.10	5.00	**39.3**		mg/Kg	04/06/18	18:00	PPATEL	430828
Zinc	SW6010B	1	0.30	5.00	**61.8**		mg/Kg	04/06/18	18:00	PPATEL	430828

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-2 @ 6-12"	**Lab Sample ID:**	1804037-002A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:45		
SDG:			

Prep Method:	3546_PCB	**Prep Batch Date/Time:**	4/6/18 10:28:00AM
Prep Batch ID:	1104021	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	04/06/18	13:55	mk	430816
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	04/06/18	13:55	mk	430816
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	04/06/18	13:55	mk	430816
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	04/06/18	13:55	mk	430816
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	04/06/18	13:55	mk	430816
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	04/06/18	13:55	mk	430816
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	04/06/18	13:55	mk	430816
			Acceptance Limits								
TCMX (S)	SW8082A		48 - 125		**80.0**		%	04/06/18	13:55	mk	430816
DCBP (S)	SW8082A		48 - 135		**95.0**		%	04/06/18	13:55	mk	430816

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-2 @ 6-12"	**Lab Sample ID:**	1804037-002A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:45		
SDG:			

Prep Method:	9045C	**Prep Batch Date/Time:**	4/9/18	10:20:00AM
Prep Batch ID:	1104081	**Prep Analyst:**	APAL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
pH	SW9045C	1	0.10	2.00	**7.82**		SU	04/09/18	10:20	APAL	430827

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-2 @ 6-12"	**Lab Sample ID:**	1804037-002A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:45		
SDG:			

Prep Method:	3546-BNASIM	**Prep Batch Date/Time:**	4/5/18 5:53:00PM
Prep Batch ID:	1104003	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosdimethylamine	SW8270C	20	4.3	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
Phenol	SW8270C	20	33	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
Bis(2-chloroethyl) ether	SW8270C	20	10	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
2-Chlorophenol	SW8270C	20	23	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
1,3-Dichlorobenzene	SW8270C	20	10	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
1,4-Dichlorobenzene	SW8270C	20	22	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
1,2-Dichlorobenzene	SW8270C	20	10	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
2-Methylphenol (o-Cresol)	SW8270C	20	20	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
Bis(2-chloroisopropyl)ether	SW8270C	20	10	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	20	23	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
N-nitroso-di-n-propylamine	SW8270C	20	26	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
Hexachloroethane	SW8270C	20	5.8	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Nitrobenzene	SW8270C	20	13	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
2-Nitrophenol	SW8270C	20	20	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
2,4-Dimethylphenol	SW8270C	20	24	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
Bis(2-Chloroethoxy)methane	SW8270C	20	72	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
2,4-Dichlorophenol	SW8270C	20	7.2	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
1,2,4-Trichlorobenzene	SW8270C	20	10	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Naphthalene	SW8270C	20	5.8	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
4-Chloroaniline	SW8270C	20	10	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
2,6-Dichlorophenol	SW8270C	20	7.2	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
Hexachloro-1,3-butadiene	SW8270C	20	7.2	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
4-Chloro-3-methylphenol	SW8270C	20	20	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
2-Methylnaphthalene	SW8270C	20	10	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
1-Methylnaphthalene	SW8270C	20	8.6	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
2,4,6-Trichlorophenol	SW8270C	20	13	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
2,4,5-Trichlorophenol	SW8270C	20	12	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
2-Chloronaphthalene	SW8270C	20	13	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
1,4-Dinitrobenzene	SW8270C	20	66	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
Dimethyl phthalate	SW8270C	20	13	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
1,3-Dinitrobenzene	SW8270C	20	55	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
Acenaphthylene	SW8270C	20	5.8	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
2,6-Dinitrotoluene	SW8270C	20	58	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
1,2-Dinitrobenzene	SW8270C	20	94	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
Acenaphthene	SW8270C	20	5.8	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Dibenzofuran	SW8270C	20	12	1010	ND		ug/Kg	04/07/18	0:16	MT	430807

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-2 @ 6-12"	**Lab Sample ID:**	1804037-002A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:45		
SDG:			

Prep Method:	3546-BNASIM	**Prep Batch Date/Time:**	4/5/18 5:53:00PM
Prep Batch ID:	1104003	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
2,4-Dinitrotoluene	SW8270C	20	48	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
2,3,5,6-Tetrachlorophenol	SW8270C	20	120	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
2,3,4,6-Tetrachlorophenol	SW8270C	20	130	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
Diethylphthalate	SW8270C	20	35	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Fluorene	SW8270C	20	10	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
4-Chlorophenyl phenyl ether	SW8270C	20	13	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
4-Bromophenyl phenyl ether	SW8270C	20	7.2	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Hexachlorobenzene	SW8270C	20	7.2	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Pentachlorophenol	SW8270C	20	100	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
Phenanthrene	SW8270C	20	7.2	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Anthracene	SW8270C	20	13	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Carbazole	SW8270C	20	19	2020	ND		ug/Kg	04/07/18	0:16	MT	430807
Di-n-butylphthalate	SW8270C	20	35	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Fluoranthene	SW8270C	20	0.013	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Pyrene	SW8270C	20	12	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Benzyl butyl phthalate	SW8270C	20	24	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Benz[a]anthracene	SW8270C	20	12	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Chrysene	SW8270C	20	10	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Bis(2-Ethylhexyl)phthalate	SW8270C	20	72	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Di-n-octyl phthalate	SW8270C	20	22	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Benzo[b]fluoranthene	SW8270C	20	12	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Benzo[k]fluoranthene	SW8270C	20	10	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Benzo[a]pyrene	SW8270C	20	12	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Indeno[1,2,3-cd]pyrene	SW8270C	20	16	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Dibenz[a,h]anthracene	SW8270C	20	14	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
Benzo[g,h,i]perylene	SW8270C	20	14	1010	ND		ug/Kg	04/07/18	0:16	MT	430807
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 125		**0.000**	D	%	04/07/18	0:16	MT	430807
Phenol-d6 (S)	SW8270C		25 - 125		**0.000**	D	%	04/07/18	0:16	MT	430807
Nitrobenzene-d5 (S)	SW8270C		35 - 125		**0.000**	D	%	04/07/18	0:16	MT	430807
2-Fluorobiphenyl (S)	SW8270C		35 - 125		**0.000**	D	%	04/07/18	0:16	MT	430807
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		**0.000**	D	%	04/07/18	0:16	MT	430807
p-Terphenyl-d14 (S)	SW8270C		35 - 125		**0.000**	D	%	04/07/18	0:16	MT	430807

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-2 @ 6-12"	**Lab Sample ID:**	1804037-002A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:45		
SDG:			

Prep Method:	3546_TPHSG	**Prep Batch Date/Time:**	4/4/18 5:25:00PM
Prep Batch ID:	1103964	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	**3.01**	x	mg/Kg	04/05/18	17:35	mk	430766
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	**20.6**		mg/Kg	04/05/18	17:35	mk	430766
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**70.7**		%	04/05/18	17:35	mk	430766

NOTE: x- Diesel result due to over-lapping of oil range organics and presence of discrete peaks within diesel quantified range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-2 @ 6-12"	**Lab Sample ID:**	1804037-002A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:45		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104070	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	04/06/18	22:52	NP	430812
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	04/06/18	22:52	NP	430812
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	22:52	NP	430812
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	04/06/18	22:52	NP	430812
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	04/06/18	22:52	NP	430812
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	22:52	NP	430812
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	04/06/18	22:52	NP	430812
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	04/06/18	22:52	NP	430812
TAME	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	04/06/18	22:52	NP	430812
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	22:52	NP	430812
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:52	NP	430812

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-2 @ 6-12"	**Lab Sample ID:**	1804037-002A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:45		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104070	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	22:52	NP	430812
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	04/06/18	22:52	NP	430812
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:52	NP	430812
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	22:52	NP	430812
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	22:52	NP	430812
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:52	NP	430812
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	04/06/18	22:52	NP	430812
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	22:52	NP	430812
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	22:52	NP	430812
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	04/06/18	22:52	NP	430812
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	22:52	NP	430812
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	22:52	NP	430812
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	22:52	NP	430812
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**102**		%	04/06/18	22:52	NP	430812
(S) Toluene-d8	SW8260B		55.2 - 133		**112**		%	04/06/18	22:52	NP	430812
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**105**		%	04/06/18	22:52	NP	430812

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-2 @ 6-12"	**Lab Sample ID:**	1804037-002A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 11:45		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104071	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	04/06/18	22:52	NP	430812
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**62.5**		%	04/06/18	22:52	NP	430812

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-3 @ 6-12"	**Lab Sample ID:**	1804037-003A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:00		
SDG:			

Prep Method:	3546-Herb	**Prep Batch Date/Time:**	4/6/18	3:45:00PM
Prep Batch ID:	1104042	**Prep Analyst:**	MKAUR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Bentazone	SW8321B	1	150	500	ND		ug/Kg	04/06/18	22:35	MK	430854
Dinoseb	SW8321B	1	97	500	ND		ug/Kg	04/06/18	22:35	MK	430854
Dichloroprop	SW8321B	1	160	500	ND		ug/Kg	04/06/18	22:35	MK	430854
2,4,5-TP	SW8321B	1	210	500	ND		ug/Kg	04/06/18	22:35	MK	430854
2,4,5-T	SW8321B	1	170	500	ND		ug/Kg	04/06/18	22:35	MK	430854
2,4-D	SW8321B	1	160	500	ND		ug/Kg	04/06/18	22:35	MK	430854
Picloram	SW8321B	1	160	500	ND		ug/Kg	04/06/18	22:35	MK	430854
MCPA	SW8321B	1	130	500	ND		ug/Kg	04/06/18	22:35	MK	430854
Acifluorofen	SW8321B	1	190	500	ND		ug/Kg	04/06/18	22:35	MK	430854
MCPP	SW8321B	1	140	500	ND		ug/Kg	04/06/18	22:35	MK	430854
3,5-DCBA	SW8321B	1	130	500	ND		ug/Kg	04/06/18	22:35	MK	430854
			Acceptance Limits								
Atrazine d-5 (S)	SW8321B		50 - 150		**107**		%	04/06/18	22:35	MK	430854

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-3 @ 6-12"	**Lab Sample ID:**	1804037-003A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:00		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	4/4/18	6:20:00PM
Prep Batch ID:	1104015	**Prep Analyst:**	BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	04/06/18	11:35	BJAY	430788

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-3 @ 6-12"	**Lab Sample ID:**	1804037-003A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:00		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	4/5/18	6:20:00PM
Prep Batch ID:	1104014	**Prep Analyst:**	BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Arsenic	SW6010B	1	0.15	3.00	**4.05**		mg/Kg	04/06/18	18:00	PPATEL	430828
Barium	SW6010B	1	0.055	5.00	**323**		mg/Kg	04/06/18	18:00	PPATEL	430828
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Chromium	SW6010B	1	0.075	5.00	**48.1**		mg/Kg	04/06/18	18:00	PPATEL	430828
Cobalt	SW6010B	1	0.070	5.00	**8.35**		mg/Kg	04/06/18	18:00	PPATEL	430828
Copper	SW6010B	1	0.20	5.00	**28.5**		mg/Kg	04/06/18	18:00	PPATEL	430828
Lead	SW6010B	1	0.10	1.30	**11.3**		mg/Kg	04/06/18	18:00	PPATEL	430828
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Nickel	SW6010B	1	0.50	5.00	**50.6**		mg/Kg	04/06/18	18:00	PPATEL	430828
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Vanadium	SW6010B	1	0.10	5.00	**28.8**		mg/Kg	04/06/18	18:00	PPATEL	430828
Zinc	SW6010B	1	0.30	5.00	**56.1**		mg/Kg	04/06/18	18:00	PPATEL	430828

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-3 @ 6-12"	**Lab Sample ID:**	1804037-003A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:00		
SDG:			

Prep Method:	3546_PCB	**Prep Batch Date/Time:**	4/6/18 10:28:00AM
Prep Batch ID:	1104021	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	04/06/18	14:09	mk	430816
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	04/06/18	14:09	mk	430816
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	04/06/18	14:09	mk	430816
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	04/06/18	14:09	mk	430816
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	04/06/18	14:09	mk	430816
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	04/06/18	14:09	mk	430816
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	04/06/18	14:09	mk	430816
			Acceptance Limits								
TCMX (S)	SW8082A		48 - 125		**100**		%	04/06/18	14:09	mk	430816
DCBP (S)	SW8082A		48 - 135		**116**		%	04/06/18	14:09	mk	430816

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-3 @ 6-12"	**Lab Sample ID:**	1804037-003A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:00		
SDG:			

Prep Method:	9045C	**Prep Batch Date/Time:**	4/9/18	10:20:00AM
Prep Batch ID:	1104081	**Prep Analyst:**	APAL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
pH	SW9045C	1	0.10	2.00	**8.31**		SU	04/09/18	10:20	APAL	430827

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-3 @ 6-12"	**Lab Sample ID:**	1804037-003A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:00		
SDG:			

Prep Method:	3546-BNASIM	**Prep Batch Date/Time:**	4/5/18 5:53:00PM
Prep Batch ID:	1104003	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosdimethylamine	SW8270C	1	0.22	101	ND		ug/Kg	04/07/18	0:45	MT	430807
Phenol	SW8270C	1	1.7	101	ND		ug/Kg	04/07/18	0:45	MT	430807
Bis(2-chloroethyl) ether	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
2-Chlorophenol	SW8270C	1	1.2	101	ND		ug/Kg	04/07/18	0:45	MT	430807
1,3-Dichlorobenzene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
1,4-Dichlorobenzene	SW8270C	1	1.1	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
1,2-Dichlorobenzene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
2-Methylphenol (o-Cresol)	SW8270C	1	1.0	101	ND		ug/Kg	04/07/18	0:45	MT	430807
Bis(2-chloroisopropyl)ether	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	1	1.2	101	ND		ug/Kg	04/07/18	0:45	MT	430807
N-nitroso-di-n-propylamine	SW8270C	1	1.3	101	ND		ug/Kg	04/07/18	0:45	MT	430807
Hexachloroethane	SW8270C	1	0.29	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Nitrobenzene	SW8270C	1	0.65	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
2-Nitrophenol	SW8270C	1	1.0	101	ND		ug/Kg	04/07/18	0:45	MT	430807
2,4-Dimethylphenol	SW8270C	1	1.2	101	ND		ug/Kg	04/07/18	0:45	MT	430807
Bis(2-Chloroethoxy)methane	SW8270C	1	3.6	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
2,4-Dichlorophenol	SW8270C	1	0.36	101	ND		ug/Kg	04/07/18	0:45	MT	430807
1,2,4-Trichlorobenzene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Naphthalene	SW8270C	1	0.29	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
4-Chloroaniline	SW8270C	1	0.50	101	ND		ug/Kg	04/07/18	0:45	MT	430807
2,6-Dichlorophenol	SW8270C	1	0.36	101	ND		ug/Kg	04/07/18	0:45	MT	430807
Hexachloro-1,3-butadiene	SW8270C	1	0.36	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
4-Chloro-3-methylphenol	SW8270C	1	1.0	101	ND		ug/Kg	04/07/18	0:45	MT	430807
2-Methylnaphthalene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
1-Methylnaphthalene	SW8270C	1	0.43	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
2,4,6-Trichlorophenol	SW8270C	1	0.65	101	ND		ug/Kg	04/07/18	0:45	MT	430807
2,4,5-Trichlorophenol	SW8270C	1	0.58	101	ND		ug/Kg	04/07/18	0:45	MT	430807
2-Chloronaphthalene	SW8270C	1	0.65	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
1,4-Dinitrobenzene	SW8270C	1	3.3	101	ND		ug/Kg	04/07/18	0:45	MT	430807
Dimethyl phthalate	SW8270C	1	0.65	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
1,3-Dinitrobenzene	SW8270C	1	2.7	101	ND		ug/Kg	04/07/18	0:45	MT	430807
Acenaphthylene	SW8270C	1	0.29	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
2,6-Dinitrotoluene	SW8270C	1	2.9	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
1,2-Dinitrobenzene	SW8270C	1	4.7	101	ND		ug/Kg	04/07/18	0:45	MT	430807
Acenaphthene	SW8270C	1	0.29	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Dibenzofuran	SW8270C	1	0.58	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-3 @ 6-12"	**Lab Sample ID:**	1804037-003A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:00		
SDG:			

Prep Method:	3546-BNASIM	**Prep Batch Date/Time:**	4/5/18 5:53:00PM
Prep Batch ID:	1104003	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
2,4-Dinitrotoluene	SW8270C	1	2.4	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
2,3,5,6-Tetrachlorophenol	SW8270C	1	6.0	101	ND		ug/Kg	04/07/18	0:45	MT	430807
2,3,4,6-Tetrachlorophenol	SW8270C	1	6.6	101	ND		ug/Kg	04/07/18	0:45	MT	430807
Diethylphthalate	SW8270C	1	1.7	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Fluorene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
4-Chlorophenyl phenyl ether	SW8270C	1	0.65	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
4-Bromophenyl phenyl ether	SW8270C	1	0.36	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Hexachlorobenzene	SW8270C	1	0.36	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Pentachlorophenol	SW8270C	1	5.2	101	ND		ug/Kg	04/07/18	0:45	MT	430807
Phenanthrene	SW8270C	1	0.36	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Anthracene	SW8270C	1	0.65	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Carbazole	SW8270C	1	0.94	101	ND		ug/Kg	04/07/18	0:45	MT	430807
Di-n-butylphthalate	SW8270C	1	1.7	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Fluoranthene	SW8270C	1	0.00065	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Pyrene	SW8270C	1	0.58	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Benzyl butyl phthalate	SW8270C	1	1.2	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Benz[a]anthracene	SW8270C	1	0.58	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Chrysene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Bis(2-Ethylhexyl)phthalate	SW8270C	1	3.6	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Di-n-octyl phthalate	SW8270C	1	1.1	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Benzo[b]fluoranthene	SW8270C	1	0.58	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Benzo[k]fluoranthene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Benzo[a]pyrene	SW8270C	1	0.58	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.79	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Dibenz[a,h]anthracene	SW8270C	1	0.72	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
Benzo[g,h,i]perylene	SW8270C	1	0.72	50.4	ND		ug/Kg	04/07/18	0:45	MT	430807
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 125		**61.2**		%	04/07/18	0:45	MT	430807
Phenol-d6 (S)	SW8270C		25 - 125		**79.6**		%	04/07/18	0:45	MT	430807
Nitrobenzene-d5 (S)	SW8270C		35 - 125		**78.1**		%	04/07/18	0:45	MT	430807
2-Fluorobiphenyl (S)	SW8270C		35 - 125		**83.5**		%	04/07/18	0:45	MT	430807
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		**53.1**		%	04/07/18	0:45	MT	430807
p-Terphenyl-d14 (S)	SW8270C		35 - 125		**101**		%	04/07/18	0:45	MT	430807

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-3 @ 6-12"	**Lab Sample ID:**	1804037-003A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:00		
SDG:			

Prep Method:	3546_TPHSG	**Prep Batch Date/Time:**	4/4/18 5:25:00PM
Prep Batch ID:	1103964	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	**2.38**	x	mg/Kg	04/05/18	17:59	mk	430766
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	ND		mg/Kg	04/05/18	17:59	mk	430766
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**97.6**		%	04/05/18	17:59	mk	430766

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-3 @ 6-12"	**Lab Sample ID:**	1804037-003A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:00		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104070	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	04/06/18	23:24	NP	430812
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	04/06/18	23:24	NP	430812
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	23:24	NP	430812
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	04/06/18	23:24	NP	430812
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	04/06/18	23:24	NP	430812
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	23:24	NP	430812
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	04/06/18	23:24	NP	430812
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	04/06/18	23:24	NP	430812
TAME	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	04/06/18	23:24	NP	430812
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	23:24	NP	430812
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:24	NP	430812

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-3 @ 6-12"	**Lab Sample ID:**	1804037-003A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:00		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104070	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	23:24	NP	430812
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	04/06/18	23:24	NP	430812
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:24	NP	430812
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	23:24	NP	430812
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	23:24	NP	430812
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:24	NP	430812
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	04/06/18	23:24	NP	430812
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:24	NP	430812
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	23:24	NP	430812
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	04/06/18	23:24	NP	430812
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	23:24	NP	430812
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	23:24	NP	430812
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	23:24	NP	430812
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**103**		%	04/06/18	23:24	NP	430812
(S) Toluene-d8	SW8260B		55.2 - 133		**117**		%	04/06/18	23:24	NP	430812
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**98.9**		%	04/06/18	23:24	NP	430812

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-3 @ 6-12"	**Lab Sample ID:**	1804037-003A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:00		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104071	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	04/06/18	23:24	NP	430812
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**49.6**		%	04/06/18	23:24	NP	430812

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-4 @ 6-12"	**Lab Sample ID:**	1804037-004A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:15		
SDG:			

Prep Method:	3546-Herb	**Prep Batch Date/Time:**	4/6/18	3:45:00PM
Prep Batch ID:	1104042	**Prep Analyst:**	MKAUR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Bentazone	SW8321B	1	150	500	ND		ug/Kg	04/06/18	22:48	MK	430854
Dinoseb	SW8321B	1	97	500	ND		ug/Kg	04/06/18	22:48	MK	430854
Dichloroprop	SW8321B	1	160	500	ND		ug/Kg	04/06/18	22:48	MK	430854
2,4,5-TP	SW8321B	1	210	500	ND		ug/Kg	04/06/18	22:48	MK	430854
2,4,5-T	SW8321B	1	170	500	ND		ug/Kg	04/06/18	22:48	MK	430854
2,4-D	SW8321B	1	160	500	ND		ug/Kg	04/06/18	22:48	MK	430854
Picloram	SW8321B	1	160	500	ND		ug/Kg	04/06/18	22:48	MK	430854
MCPA	SW8321B	1	130	500	ND		ug/Kg	04/06/18	22:48	MK	430854
Acifluorofen	SW8321B	1	190	500	ND		ug/Kg	04/06/18	22:48	MK	430854
MCPP	SW8321B	1	140	500	ND		ug/Kg	04/06/18	22:48	MK	430854
3,5-DCBA	SW8321B	1	130	500	ND		ug/Kg	04/06/18	22:48	MK	430854
			Acceptance Limits								
Atrazine d-5 (S)	SW8321B		50 - 150		**95.1**		%	04/06/18	22:48	MK	430854

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-4 @ 6-12"	**Lab Sample ID:**	1804037-004A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:15		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	4/4/18	6:20:00PM
Prep Batch ID:	1104015	**Prep Analyst:**	BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	04/06/18	11:37	BJAY	430788

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-4 @ 6-12"	**Lab Sample ID:**	1804037-004A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:15		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	4/5/18	6:20:00PM
Prep Batch ID:	1104014	**Prep Analyst:**	BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Arsenic	SW6010B	1	0.15	3.00	**3.65**		mg/Kg	04/06/18	18:00	PPATEL	430828
Barium	SW6010B	1	0.055	5.00	**311**		mg/Kg	04/06/18	18:00	PPATEL	430828
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Chromium	SW6010B	1	0.075	5.00	**51.7**		mg/Kg	04/06/18	18:00	PPATEL	430828
Cobalt	SW6010B	1	0.070	5.00	**8.65**		mg/Kg	04/06/18	18:00	PPATEL	430828
Copper	SW6010B	1	0.20	5.00	**29.4**		mg/Kg	04/06/18	18:00	PPATEL	430828
Lead	SW6010B	1	0.10	1.30	**13.1**		mg/Kg	04/06/18	18:00	PPATEL	430828
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Nickel	SW6010B	1	0.50	5.00	**51.8**		mg/Kg	04/06/18	18:00	PPATEL	430828
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Vanadium	SW6010B	1	0.10	5.00	**31.3**		mg/Kg	04/06/18	18:00	PPATEL	430828
Zinc	SW6010B	1	0.30	5.00	**55.5**		mg/Kg	04/06/18	18:00	PPATEL	430828

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-4 @ 6-12"	**Lab Sample ID:**	1804037-004A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:15		
SDG:			

Prep Method:	3546_PCB	**Prep Batch Date/Time:**	4/6/18 10:28:00AM
Prep Batch ID:	1104021	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	04/06/18	14:23	mk	430816
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	04/06/18	14:23	mk	430816
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	04/06/18	14:23	mk	430816
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	04/06/18	14:23	mk	430816
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	04/06/18	14:23	mk	430816
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	04/06/18	14:23	mk	430816
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	04/06/18	14:23	mk	430816
			Acceptance Limits								
TCMX (S)	SW8082A		48 - 125		**76.0**		%	04/06/18	14:23	mk	430816
DCBP (S)	SW8082A		48 - 135		**89.0**		%	04/06/18	14:23	mk	430816

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-4 @ 6-12"	**Lab Sample ID:**	1804037-004A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:15		
SDG:			

Prep Method:	9045C	**Prep Batch Date/Time:**	4/9/18	10:20:00AM
Prep Batch ID:	1104081	**Prep Analyst:**	APAL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
pH	SW9045C	1	0.10	2.00	**8.20**		SU	04/09/18	10:20	APAL	430827

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-4 @ 6-12"	**Lab Sample ID:**	1804037-004A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:15		
SDG:			

Prep Method:	3546-BNASIM	**Prep Batch Date/Time:**	4/5/18 5:53:00PM
Prep Batch ID:	1104003	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosdimethylamine	SW8270C	1	0.22	101	ND		ug/Kg	04/07/18	1:13	MT	430807
Phenol	SW8270C	1	1.7	101	ND		ug/Kg	04/07/18	1:13	MT	430807
Bis(2-chloroethyl) ether	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
2-Chlorophenol	SW8270C	1	1.2	101	ND		ug/Kg	04/07/18	1:13	MT	430807
1,3-Dichlorobenzene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
1,4-Dichlorobenzene	SW8270C	1	1.1	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
1,2-Dichlorobenzene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
2-Methylphenol (o-Cresol)	SW8270C	1	1.0	101	ND		ug/Kg	04/07/18	1:13	MT	430807
Bis(2-chloroisopropyl)ether	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	1	1.2	101	ND		ug/Kg	04/07/18	1:13	MT	430807
N-nitroso-di-n-propylamine	SW8270C	1	1.3	101	ND		ug/Kg	04/07/18	1:13	MT	430807
Hexachloroethane	SW8270C	1	0.29	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Nitrobenzene	SW8270C	1	0.65	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
2-Nitrophenol	SW8270C	1	1.0	101	ND		ug/Kg	04/07/18	1:13	MT	430807
2,4-Dimethylphenol	SW8270C	1	1.2	101	ND		ug/Kg	04/07/18	1:13	MT	430807
Bis(2-Chloroethoxy)methane	SW8270C	1	3.6	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
2,4-Dichlorophenol	SW8270C	1	0.36	101	ND		ug/Kg	04/07/18	1:13	MT	430807
1,2,4-Trichlorobenzene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Naphthalene	SW8270C	1	0.29	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
4-Chloroaniline	SW8270C	1	0.50	101	ND		ug/Kg	04/07/18	1:13	MT	430807
2,6-Dichlorophenol	SW8270C	1	0.36	101	ND		ug/Kg	04/07/18	1:13	MT	430807
Hexachloro-1,3-butadiene	SW8270C	1	0.36	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
4-Chloro-3-methylphenol	SW8270C	1	1.0	101	ND		ug/Kg	04/07/18	1:13	MT	430807
2-Methylnaphthalene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
1-Methylnaphthalene	SW8270C	1	0.43	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
2,4,6-Trichlorophenol	SW8270C	1	0.65	101	ND		ug/Kg	04/07/18	1:13	MT	430807
2,4,5-Trichlorophenol	SW8270C	1	0.58	101	ND		ug/Kg	04/07/18	1:13	MT	430807
2-Chloronaphthalene	SW8270C	1	0.65	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
1,4-Dinitrobenzene	SW8270C	1	3.3	101	ND		ug/Kg	04/07/18	1:13	MT	430807
Dimethyl phthalate	SW8270C	1	0.65	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
1,3-Dinitrobenzene	SW8270C	1	2.7	101	ND		ug/Kg	04/07/18	1:13	MT	430807
Acenaphthylene	SW8270C	1	0.29	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
2,6-Dinitrotoluene	SW8270C	1	2.9	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
1,2-Dinitrobenzene	SW8270C	1	4.7	101	ND		ug/Kg	04/07/18	1:13	MT	430807
Acenaphthene	SW8270C	1	0.29	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Dibenzofuran	SW8270C	1	0.58	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-4 @ 6-12"	**Lab Sample ID:**	1804037-004A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:15		
SDG:			

Prep Method:	3546-BNASIM	**Prep Batch Date/Time:**	4/5/18 5:53:00PM
Prep Batch ID:	1104003	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
2,4-Dinitrotoluene	SW8270C	1	2.4	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
2,3,5,6-Tetrachlorophenol	SW8270C	1	6.0	101	ND		ug/Kg	04/07/18	1:13	MT	430807
2,3,4,6-Tetrachlorophenol	SW8270C	1	6.6	101	ND		ug/Kg	04/07/18	1:13	MT	430807
Diethylphthalate	SW8270C	1	1.7	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Fluorene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
4-Chlorophenyl phenyl ether	SW8270C	1	0.65	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
4-Bromophenyl phenyl ether	SW8270C	1	0.36	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Hexachlorobenzene	SW8270C	1	0.36	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Pentachlorophenol	SW8270C	1	5.2	101	ND		ug/Kg	04/07/18	1:13	MT	430807
Phenanthrene	SW8270C	1	0.36	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Anthracene	SW8270C	1	0.65	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Carbazole	SW8270C	1	0.94	101	ND		ug/Kg	04/07/18	1:13	MT	430807
Di-n-butylphthalate	SW8270C	1	1.7	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Fluoranthene	SW8270C	1	0.00065	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Pyrene	SW8270C	1	0.58	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Benzyl butyl phthalate	SW8270C	1	1.2	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Benz[a]anthracene	SW8270C	1	0.58	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Chrysene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Bis(2-Ethylhexyl)phthalate	SW8270C	1	3.6	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Di-n-octyl phthalate	SW8270C	1	1.1	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Benzo[b]fluoranthene	SW8270C	1	0.58	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Benzo[k]fluoranthene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Benzo[a]pyrene	SW8270C	1	0.58	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.79	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Dibenz[a,h]anthracene	SW8270C	1	0.72	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
Benzo[g,h,i]perylene	SW8270C	1	0.72	50.4	ND		ug/Kg	04/07/18	1:13	MT	430807
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 125		**60.0**		%	04/07/18	1:13	MT	430807
Phenol-d6 (S)	SW8270C		25 - 125		**77.1**		%	04/07/18	1:13	MT	430807
Nitrobenzene-d5 (S)	SW8270C		35 - 125		**74.6**		%	04/07/18	1:13	MT	430807
2-Fluorobiphenyl (S)	SW8270C		35 - 125		**80.5**		%	04/07/18	1:13	MT	430807
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		**55.1**		%	04/07/18	1:13	MT	430807
p-Terphenyl-d14 (S)	SW8270C		35 - 125		**100**		%	04/07/18	1:13	MT	430807

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-4 @ 6-12"	**Lab Sample ID:**	1804037-004A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:15		
SDG:			

Prep Method:	3546_TPHSG	**Prep Batch Date/Time:**	4/4/18 5:25:00PM
Prep Batch ID:	1103964	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	**2.48**	x	mg/Kg	04/05/18	20:11	mk	430766
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	ND		mg/Kg	04/05/18	20:11	mk	430766
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**92.4**		%	04/05/18	20:11	mk	430766

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-4 @ 6-12"	**Lab Sample ID:**	1804037-004A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:15		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104070	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	04/06/18	23:56	NP	430812
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	04/06/18	23:56	NP	430812
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	23:56	NP	430812
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	04/06/18	23:56	NP	430812
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	04/06/18	23:56	NP	430812
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	23:56	NP	430812
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	04/06/18	23:56	NP	430812
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	04/06/18	23:56	NP	430812
TAME	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	04/06/18	23:56	NP	430812
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	23:56	NP	430812
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:56	NP	430812

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-4 @ 6-12"	**Lab Sample ID:**	1804037-004A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:15		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104070	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	23:56	NP	430812
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	04/06/18	23:56	NP	430812
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:56	NP	430812
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	23:56	NP	430812
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/06/18	23:56	NP	430812
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:56	NP	430812
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	04/06/18	23:56	NP	430812
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	04/06/18	23:56	NP	430812
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	23:56	NP	430812
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	04/06/18	23:56	NP	430812
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	23:56	NP	430812
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/06/18	23:56	NP	430812
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	04/06/18	23:56	NP	430812
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**108**		%	04/06/18	23:56	NP	430812
(S) Toluene-d8	SW8260B		55.2 - 133		**120**		%	04/06/18	23:56	NP	430812
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**100**		%	04/06/18	23:56	NP	430812

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-4 @ 6-12"	**Lab Sample ID:**	1804037-004A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:15		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104071	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	04/06/18	23:56	NP	430812
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**51.1**		%	04/06/18	23:56	NP	430812

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-5 @ 6-12"	**Lab Sample ID:**	1804037-005A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:30		
SDG:			

Prep Method:	3546-Herb	**Prep Batch Date/Time:**	4/6/18	3:45:00PM
Prep Batch ID:	1104042	**Prep Analyst:**	MKAUR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Bentazone	SW8321B	1	150	500	ND		ug/Kg	04/06/18	23:02	MK	430854
Dinoseb	SW8321B	1	97	500	ND		ug/Kg	04/06/18	23:02	MK	430854
Dichloroprop	SW8321B	1	160	500	ND		ug/Kg	04/06/18	23:02	MK	430854
2,4,5-TP	SW8321B	1	210	500	ND		ug/Kg	04/06/18	23:02	MK	430854
2,4,5-T	SW8321B	1	170	500	ND		ug/Kg	04/06/18	23:02	MK	430854
2,4-D	SW8321B	1	160	500	ND		ug/Kg	04/06/18	23:02	MK	430854
Picloram	SW8321B	1	160	500	ND		ug/Kg	04/06/18	23:02	MK	430854
MCPA	SW8321B	1	130	500	ND		ug/Kg	04/06/18	23:02	MK	430854
Acifluorofen	SW8321B	1	190	500	ND		ug/Kg	04/06/18	23:02	MK	430854
MCPP	SW8321B	1	140	500	ND		ug/Kg	04/06/18	23:02	MK	430854
3,5-DCBA	SW8321B	1	130	500	ND		ug/Kg	04/06/18	23:02	MK	430854
			Acceptance Limits								
Atrazine d-5 (S)	SW8321B		50 - 150		**121**		%	04/06/18	23:02	MK	430854

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-5 @ 6-12"	**Lab Sample ID:**	1804037-005A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:30		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	4/4/18	6:20:00PM
Prep Batch ID:	1104015	**Prep Analyst:**	BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	04/06/18	11:39	BJAY	430788

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-5 @ 6-12"	**Lab Sample ID:**	1804037-005A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:30		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	4/5/18	6:20:00PM
Prep Batch ID:	1104014	**Prep Analyst:**	BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Arsenic	SW6010B	1	0.15	3.00	**3.60**		mg/Kg	04/06/18	18:00	PPATEL	430828
Barium	SW6010B	1	0.055	5.00	**244**		mg/Kg	04/06/18	18:00	PPATEL	430828
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Chromium	SW6010B	1	0.075	5.00	**61.8**		mg/Kg	04/06/18	18:00	PPATEL	430828
Cobalt	SW6010B	1	0.070	5.00	**11.5**		mg/Kg	04/06/18	18:00	PPATEL	430828
Copper	SW6010B	1	0.20	5.00	**35.9**		mg/Kg	04/06/18	18:00	PPATEL	430828
Lead	SW6010B	1	0.10	1.30	**9.20**		mg/Kg	04/06/18	18:00	PPATEL	430828
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Nickel	SW6010B	1	0.50	5.00	**59.8**		mg/Kg	04/06/18	18:00	PPATEL	430828
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Vanadium	SW6010B	1	0.10	5.00	**44.6**		mg/Kg	04/06/18	18:00	PPATEL	430828
Zinc	SW6010B	1	0.30	5.00	**59.3**		mg/Kg	04/06/18	18:00	PPATEL	430828

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-5 @ 6-12"	**Lab Sample ID:**	1804037-005A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:30		
SDG:			

Prep Method:	3546_PCB	**Prep Batch Date/Time:**	4/6/18 10:28:00AM
Prep Batch ID:	1104021	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	04/06/18	14:37	mk	430816
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	04/06/18	14:37	mk	430816
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	04/06/18	14:37	mk	430816
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	04/06/18	14:37	mk	430816
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	04/06/18	14:37	mk	430816
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	04/06/18	14:37	mk	430816
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	04/06/18	14:37	mk	430816
			Acceptance Limits								
TCMX (S)	SW8082A		48 - 125		**99.0**		%	04/06/18	14:37	mk	430816
DCBP (S)	SW8082A		48 - 135		**116**		%	04/06/18	14:37	mk	430816

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-5 @ 6-12"	**Lab Sample ID:**	1804037-005A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:30		
SDG:			

Prep Method:	9045C	**Prep Batch Date/Time:**	4/9/18	10:20:00AM
Prep Batch ID:	1104081	**Prep Analyst:**	APAL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
pH	SW9045C	1	0.10	2.00	**7.94**		SU	04/09/18	10:20	APAL	430827

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-5 @ 6-12"	**Lab Sample ID:**	1804037-005A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:30		
SDG:			

Prep Method:	3546-BNASIM	**Prep Batch Date/Time:**	4/5/18 5:53:00PM
Prep Batch ID:	1104003	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosdimethylamine	SW8270C	2	0.43	202	ND		ug/Kg	04/07/18	1:42	MT	430807
Phenol	SW8270C	2	3.3	202	ND		ug/Kg	04/07/18	1:42	MT	430807
Bis(2-chloroethyl) ether	SW8270C	2	1.0	101	ND		ug/Kg	04/07/18	1:42	MT	430807
2-Chlorophenol	SW8270C	2	2.3	202	ND		ug/Kg	04/07/18	1:42	MT	430807
1,3-Dichlorobenzene	SW8270C	2	1.0	101	ND		ug/Kg	04/07/18	1:42	MT	430807
1,4-Dichlorobenzene	SW8270C	2	2.2	101	ND		ug/Kg	04/07/18	1:42	MT	430807
1,2-Dichlorobenzene	SW8270C	2	1.0	101	ND		ug/Kg	04/07/18	1:42	MT	430807
2-Methylphenol (o-Cresol)	SW8270C	2	2.0	202	ND		ug/Kg	04/07/18	1:42	MT	430807
Bis(2-chloroisopropyl)ether	SW8270C	2	1.0	101	ND		ug/Kg	04/07/18	1:42	MT	430807
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	2	2.3	202	ND		ug/Kg	04/07/18	1:42	MT	430807
N-nitroso-di-n-propylamine	SW8270C	2	2.6	202	ND		ug/Kg	04/07/18	1:42	MT	430807
Hexachloroethane	SW8270C	2	0.58	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Nitrobenzene	SW8270C	2	1.3	101	ND		ug/Kg	04/07/18	1:42	MT	430807
2-Nitrophenol	SW8270C	2	2.0	202	ND		ug/Kg	04/07/18	1:42	MT	430807
2,4-Dimethylphenol	SW8270C	2	2.4	202	ND		ug/Kg	04/07/18	1:42	MT	430807
Bis(2-Chloroethoxy)methane	SW8270C	2	7.2	101	ND		ug/Kg	04/07/18	1:42	MT	430807
2,4-Dichlorophenol	SW8270C	2	0.72	202	ND		ug/Kg	04/07/18	1:42	MT	430807
1,2,4-Trichlorobenzene	SW8270C	2	1.0	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Naphthalene	SW8270C	2	0.58	101	ND		ug/Kg	04/07/18	1:42	MT	430807
4-Chloroaniline	SW8270C	2	1.0	202	ND		ug/Kg	04/07/18	1:42	MT	430807
2,6-Dichlorophenol	SW8270C	2	0.72	202	ND		ug/Kg	04/07/18	1:42	MT	430807
Hexachloro-1,3-butadiene	SW8270C	2	0.72	101	ND		ug/Kg	04/07/18	1:42	MT	430807
4-Chloro-3-methylphenol	SW8270C	2	2.0	202	ND		ug/Kg	04/07/18	1:42	MT	430807
2-Methylnaphthalene	SW8270C	2	1.0	101	ND		ug/Kg	04/07/18	1:42	MT	430807
1-Methylnaphthalene	SW8270C	2	0.86	101	ND		ug/Kg	04/07/18	1:42	MT	430807
2,4,6-Trichlorophenol	SW8270C	2	1.3	202	ND		ug/Kg	04/07/18	1:42	MT	430807
2,4,5-Trichlorophenol	SW8270C	2	1.2	202	ND		ug/Kg	04/07/18	1:42	MT	430807
2-Chloronaphthalene	SW8270C	2	1.3	101	ND		ug/Kg	04/07/18	1:42	MT	430807
1,4-Dinitrobenzene	SW8270C	2	6.6	202	ND		ug/Kg	04/07/18	1:42	MT	430807
Dimethyl phthalate	SW8270C	2	1.3	101	ND		ug/Kg	04/07/18	1:42	MT	430807
1,3-Dinitrobenzene	SW8270C	2	5.5	202	ND		ug/Kg	04/07/18	1:42	MT	430807
Acenaphthylene	SW8270C	2	0.58	101	ND		ug/Kg	04/07/18	1:42	MT	430807
2,6-Dinitrotoluene	SW8270C	2	5.8	101	ND		ug/Kg	04/07/18	1:42	MT	430807
1,2-Dinitrobenzene	SW8270C	2	9.4	202	ND		ug/Kg	04/07/18	1:42	MT	430807
Acenaphthene	SW8270C	2	0.58	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Dibenzofuran	SW8270C	2	1.2	101	ND		ug/Kg	04/07/18	1:42	MT	430807

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-5 @ 6-12"	**Lab Sample ID:**	1804037-005A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:30		
SDG:			

Prep Method:	3546-BNASIM	**Prep Batch Date/Time:**	4/5/18 5:53:00PM
Prep Batch ID:	1104003	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
2,4-Dinitrotoluene	SW8270C	2	4.8	101	ND		ug/Kg	04/07/18	1:42	MT	430807
2,3,5,6-Tetrachlorophenol	SW8270C	2	12	202	ND		ug/Kg	04/07/18	1:42	MT	430807
2,3,4,6-Tetrachlorophenol	SW8270C	2	13	202	ND		ug/Kg	04/07/18	1:42	MT	430807
Diethylphthalate	SW8270C	2	3.5	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Fluorene	SW8270C	2	1.0	101	ND		ug/Kg	04/07/18	1:42	MT	430807
4-Chlorophenyl phenyl ether	SW8270C	2	1.3	101	ND		ug/Kg	04/07/18	1:42	MT	430807
4-Bromophenyl phenyl ether	SW8270C	2	0.72	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Hexachlorobenzene	SW8270C	2	0.72	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Pentachlorophenol	SW8270C	2	10	202	ND		ug/Kg	04/07/18	1:42	MT	430807
Phenanthrene	SW8270C	2	0.72	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Anthracene	SW8270C	2	1.3	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Carbazole	SW8270C	2	1.9	202	ND		ug/Kg	04/07/18	1:42	MT	430807
Di-n-butylphthalate	SW8270C	2	3.5	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Fluoranthene	SW8270C	2	0.0013	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Pyrene	SW8270C	2	1.2	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Benzyl butyl phthalate	SW8270C	2	2.4	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Benz[a]anthracene	SW8270C	2	1.2	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Chrysene	SW8270C	2	1.0	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Bis(2-Ethylhexyl)phthalate	SW8270C	2	7.2	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Di-n-octyl phthalate	SW8270C	2	2.2	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Benzo[b]fluoranthene	SW8270C	2	1.2	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Benzo[k]fluoranthene	SW8270C	2	1.0	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Benzo[a]pyrene	SW8270C	2	1.2	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Indeno[1,2,3-cd]pyrene	SW8270C	2	1.6	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Dibenz[a,h]anthracene	SW8270C	2	1.4	101	ND		ug/Kg	04/07/18	1:42	MT	430807
Benzo[g,h,i]perylene	SW8270C	2	1.4	101	ND		ug/Kg	04/07/18	1:42	MT	430807
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 125		**56.1**		%	04/07/18	1:42	MT	430807
Phenol-d6 (S)	SW8270C		25 - 125		**71.1**		%	04/07/18	1:42	MT	430807
Nitrobenzene-d5 (S)	SW8270C		35 - 125		**73.6**		%	04/07/18	1:42	MT	430807
2-Fluorobiphenyl (S)	SW8270C		35 - 125		**81.5**		%	04/07/18	1:42	MT	430807
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		**58.7**		%	04/07/18	1:42	MT	430807
p-Terphenyl-d14 (S)	SW8270C		35 - 125		**104**		%	04/07/18	1:42	MT	430807

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-5 @ 6-12"	**Lab Sample ID:**	1804037-005A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:30		
SDG:			

Prep Method:	3546_TPHSG	**Prep Batch Date/Time:**	4/4/18 5:25:00PM
Prep Batch ID:	1103964	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	**3.00**	x	mg/Kg	04/05/18	20:34	mk	430766
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	**10.7**		mg/Kg	04/05/18	20:34	mk	430766
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**94.1**		%	04/05/18	20:34	mk	430766

NOTE: x- Diesel result due to over-lapping of oil range organics and presence of discrete peaks within diesel quantified range.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-5 @ 6-12"	**Lab Sample ID:**	1804037-005A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:30		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104070	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	04/07/18	0:28	NP	430812
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	04/07/18	0:28	NP	430812
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	04/07/18	0:28	NP	430812
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	04/07/18	0:28	NP	430812
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	04/07/18	0:28	NP	430812
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	04/07/18	0:28	NP	430812
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	04/07/18	0:28	NP	430812
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	04/07/18	0:28	NP	430812
TAME	SW8260B	1	2.3	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	04/07/18	0:28	NP	430812
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	04/07/18	0:28	NP	430812
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	0:28	NP	430812

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-5 @ 6-12"	**Lab Sample ID:**	1804037-005A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:30		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104070	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	04/07/18	0:28	NP	430812
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	04/07/18	0:28	NP	430812
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	0:28	NP	430812
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	04/07/18	0:28	NP	430812
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/07/18	0:28	NP	430812
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	0:28	NP	430812
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	04/07/18	0:28	NP	430812
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	0:28	NP	430812
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/07/18	0:28	NP	430812
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	04/07/18	0:28	NP	430812
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	04/07/18	0:28	NP	430812
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/07/18	0:28	NP	430812
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	04/07/18	0:28	NP	430812
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**111**		%	04/07/18	0:28	NP	430812
(S) Toluene-d8	SW8260B		55.2 - 133		**118**		%	04/07/18	0:28	NP	430812
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**100**		%	04/07/18	0:28	NP	430812

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-5 @ 6-12"	**Lab Sample ID:**	1804037-005A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:30		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104071	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	04/07/18	0:28	NP	430812
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**52.7**		%	04/07/18	0:28	NP	430812

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-6 @ 6-12"	**Lab Sample ID:**	1804037-006A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:45		
SDG:			

Prep Method:	3546-Herb	**Prep Batch Date/Time:**	4/6/18	3:45:00PM
Prep Batch ID:	1104042	**Prep Analyst:**	MKAUR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Bentazone	SW8321B	1	150	500	ND		ug/Kg	04/06/18	23:16	MK	430854
Dinoseb	SW8321B	1	97	500	ND		ug/Kg	04/06/18	23:16	MK	430854
Dichloroprop	SW8321B	1	160	500	ND		ug/Kg	04/06/18	23:16	MK	430854
2,4,5-TP	SW8321B	1	210	500	ND		ug/Kg	04/06/18	23:16	MK	430854
2,4,5-T	SW8321B	1	170	500	ND		ug/Kg	04/06/18	23:16	MK	430854
2,4-D	SW8321B	1	160	500	ND		ug/Kg	04/06/18	23:16	MK	430854
Picloram	SW8321B	1	160	500	ND		ug/Kg	04/06/18	23:16	MK	430854
MCPA	SW8321B	1	130	500	ND		ug/Kg	04/06/18	23:16	MK	430854
Acifluorofen	SW8321B	1	190	500	ND		ug/Kg	04/06/18	23:16	MK	430854
MCPP	SW8321B	1	140	500	ND		ug/Kg	04/06/18	23:16	MK	430854
3,5-DCBA	SW8321B	1	130	500	ND		ug/Kg	04/06/18	23:16	MK	430854
			Acceptance Limits								
Atrazine d-5 (S)	SW8321B		50 - 150		**132**		%	04/06/18	23:16	MK	430854

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-6 @ 6-12"	**Lab Sample ID:**	1804037-006A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:45		
SDG:			

Prep Method:	7471BP	**Prep Batch Date/Time:**	4/4/18	6:20:00PM
Prep Batch ID:	1104015	**Prep Analyst:**	BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	04/06/18	11:42	BJAY	430788

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-6 @ 6-12"	**Lab Sample ID:**	1804037-006A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:45		
SDG:			

Prep Method:	3050B	**Prep Batch Date/Time:**	4/5/18	6:20:00PM
Prep Batch ID:	1104014	**Prep Analyst:**	BJAY	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Arsenic	SW6010B	1	0.15	3.00	**7.55**		mg/Kg	04/06/18	18:00	PPATEL	430828
Barium	SW6010B	1	0.055	5.00	**310**		mg/Kg	04/06/18	18:00	PPATEL	430828
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Chromium	SW6010B	1	0.075	5.00	**56.3**		mg/Kg	04/06/18	18:00	PPATEL	430828
Cobalt	SW6010B	1	0.070	5.00	**9.15**		mg/Kg	04/06/18	18:00	PPATEL	430828
Copper	SW6010B	1	0.20	5.00	**32.6**		mg/Kg	04/06/18	18:00	PPATEL	430828
Lead	SW6010B	1	0.10	1.30	**11.0**		mg/Kg	04/06/18	18:00	PPATEL	430828
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Nickel	SW6010B	1	0.50	5.00	**54.8**		mg/Kg	04/06/18	18:00	PPATEL	430828
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Thallium	SW6010B	1	0.20	5.00	ND		mg/Kg	04/06/18	18:00	PPATEL	430828
Vanadium	SW6010B	1	0.10	5.00	**31.7**		mg/Kg	04/06/18	18:00	PPATEL	430828
Zinc	SW6010B	1	0.30	5.00	**61.8**		mg/Kg	04/06/18	18:00	PPATEL	430828

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-6 @ 6-12"	**Lab Sample ID:**	1804037-006A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:45		
SDG:			

Prep Method:	3546_PCB	**Prep Batch Date/Time:**	4/6/18 10:28:00AM
Prep Batch ID:	1104021	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	0.053	0.10	ND		mg/Kg	04/06/18	14:52	mk	430816
Aroclor1221	SW8082A	1	0.0050	0.10	ND		mg/Kg	04/06/18	14:52	mk	430816
Aroclor1232	SW8082A	1	0.017	0.10	ND		mg/Kg	04/06/18	14:52	mk	430816
Aroclor1242	SW8082A	1	0.0030	0.10	ND		mg/Kg	04/06/18	14:52	mk	430816
Aroclor1248	SW8082A	1	0.0020	0.10	ND		mg/Kg	04/06/18	14:52	mk	430816
Aroclor1254	SW8082A	1	0.0020	0.10	ND		mg/Kg	04/06/18	14:52	mk	430816
Aroclor1260	SW8082A	1	0.036	0.10	ND		mg/Kg	04/06/18	14:52	mk	430816
			Acceptance Limits								
TCMX (S)	SW8082A		48 - 125		**98.0**		%	04/06/18	14:52	mk	430816
DCBP (S)	SW8082A		48 - 135		**114**		%	04/06/18	14:52	mk	430816

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-6 @ 6-12"	**Lab Sample ID:**	1804037-006A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:45		
SDG:			

Prep Method:	9045C	**Prep Batch Date/Time:**	4/9/18	10:20:00AM
Prep Batch ID:	1104081	**Prep Analyst:**	APAL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
pH	SW9045C	1	0.10	2.00	**7.94**		SU	04/09/18	10:20	APAL	430827

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-6 @ 6-12"	**Lab Sample ID:**	1804037-006A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:45		
SDG:			

Prep Method:	3546-BNASIM	**Prep Batch Date/Time:**	4/5/18 5:53:00PM
Prep Batch ID:	1104003	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
N-Nitrosdimethylamine	SW8270C	1	0.22	101	ND		ug/Kg	04/07/18	2:11	MT	430807
Phenol	SW8270C	1	1.7	101	ND		ug/Kg	04/07/18	2:11	MT	430807
Bis(2-chloroethyl) ether	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
2-Chlorophenol	SW8270C	1	1.2	101	ND		ug/Kg	04/07/18	2:11	MT	430807
1,3-Dichlorobenzene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
1,4-Dichlorobenzene	SW8270C	1	1.1	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
1,2-Dichlorobenzene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
2-Methylphenol (o-Cresol)	SW8270C	1	1.0	101	ND		ug/Kg	04/07/18	2:11	MT	430807
Bis(2-chloroisopropyl)ether	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	1	1.2	101	ND		ug/Kg	04/07/18	2:11	MT	430807
N-nitroso-di-n-propylamine	SW8270C	1	1.3	101	ND		ug/Kg	04/07/18	2:11	MT	430807
Hexachloroethane	SW8270C	1	0.29	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Nitrobenzene	SW8270C	1	0.65	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
2-Nitrophenol	SW8270C	1	1.0	101	ND		ug/Kg	04/07/18	2:11	MT	430807
2,4-Dimethylphenol	SW8270C	1	1.2	101	ND		ug/Kg	04/07/18	2:11	MT	430807
Bis(2-Chloroethoxy)methane	SW8270C	1	3.6	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
2,4-Dichlorophenol	SW8270C	1	0.36	101	ND		ug/Kg	04/07/18	2:11	MT	430807
1,2,4-Trichlorobenzene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Naphthalene	SW8270C	1	0.29	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
4-Chloroaniline	SW8270C	1	0.50	101	ND		ug/Kg	04/07/18	2:11	MT	430807
2,6-Dichlorophenol	SW8270C	1	0.36	101	ND		ug/Kg	04/07/18	2:11	MT	430807
Hexachloro-1,3-butadiene	SW8270C	1	0.36	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
4-Chloro-3-methylphenol	SW8270C	1	1.0	101	ND		ug/Kg	04/07/18	2:11	MT	430807
2-Methylnaphthalene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
1-Methylnaphthalene	SW8270C	1	0.43	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
2,4,6-Trichlorophenol	SW8270C	1	0.65	101	ND		ug/Kg	04/07/18	2:11	MT	430807
2,4,5-Trichlorophenol	SW8270C	1	0.58	101	ND		ug/Kg	04/07/18	2:11	MT	430807
2-Chloronaphthalene	SW8270C	1	0.65	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
1,4-Dinitrobenzene	SW8270C	1	3.3	101	ND		ug/Kg	04/07/18	2:11	MT	430807
Dimethyl phthalate	SW8270C	1	0.65	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
1,3-Dinitrobenzene	SW8270C	1	2.7	101	ND		ug/Kg	04/07/18	2:11	MT	430807
Acenaphthylene	SW8270C	1	0.29	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
2,6-Dinitrotoluene	SW8270C	1	2.9	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
1,2-Dinitrobenzene	SW8270C	1	4.7	101	ND		ug/Kg	04/07/18	2:11	MT	430807
Acenaphthene	SW8270C	1	0.29	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Dibenzofuran	SW8270C	1	0.58	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-6 @ 6-12"	**Lab Sample ID:**	1804037-006A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:45		
SDG:			

Prep Method:	3546-BNASIM	**Prep Batch Date/Time:**	4/5/18 5:53:00PM
Prep Batch ID:	1104003	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
2,4-Dinitrotoluene	SW8270C	1	2.4	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
2,3,5,6-Tetrachlorophenol	SW8270C	1	6.0	101	ND		ug/Kg	04/07/18	2:11	MT	430807
2,3,4,6-Tetrachlorophenol	SW8270C	1	6.6	101	ND		ug/Kg	04/07/18	2:11	MT	430807
Diethylphthalate	SW8270C	1	1.7	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Fluorene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
4-Chlorophenyl phenyl ether	SW8270C	1	0.65	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
4-Bromophenyl phenyl ether	SW8270C	1	0.36	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Hexachlorobenzene	SW8270C	1	0.36	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Pentachlorophenol	SW8270C	1	5.2	101	ND		ug/Kg	04/07/18	2:11	MT	430807
Phenanthrene	SW8270C	1	0.36	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Anthracene	SW8270C	1	0.65	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Carbazole	SW8270C	1	0.94	101	ND		ug/Kg	04/07/18	2:11	MT	430807
Di-n-butylphthalate	SW8270C	1	1.7	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Fluoranthene	SW8270C	1	0.00065	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Pyrene	SW8270C	1	0.58	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Benzyl butyl phthalate	SW8270C	1	1.2	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Benz[a]anthracene	SW8270C	1	0.58	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Chrysene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Bis(2-Ethylhexyl)phthalate	SW8270C	1	3.6	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Di-n-octyl phthalate	SW8270C	1	1.1	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Benzo[b]fluoranthene	SW8270C	1	0.58	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Benzo[k]fluoranthene	SW8270C	1	0.50	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Benzo[a]pyrene	SW8270C	1	0.58	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Indeno[1,2,3-cd]pyrene	SW8270C	1	0.79	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Dibenz[a,h]anthracene	SW8270C	1	0.72	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
Benzo[g,h,i]perylene	SW8270C	1	0.72	50.4	ND		ug/Kg	04/07/18	2:11	MT	430807
			Acceptance Limits								
2-Fluorophenol (S)	SW8270C		25 - 125		**70.0**		%	04/07/18	2:11	MT	430807
Phenol-d6 (S)	SW8270C		25 - 125		**90.9**		%	04/07/18	2:11	MT	430807
Nitrobenzene-d5 (S)	SW8270C		35 - 125		**86.6**		%	04/07/18	2:11	MT	430807
2-Fluorobiphenyl (S)	SW8270C		35 - 125		**93.5**		%	04/07/18	2:11	MT	430807
2,4,6-Tribromophenol (S)	SW8270C		25 - 125		**59.6**		%	04/07/18	2:11	MT	430807
p-Terphenyl-d14 (S)	SW8270C		35 - 125		**117**		%	04/07/18	2:11	MT	430807

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-6 @ 6-12"	**Lab Sample ID:**	1804037-006A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:45		
SDG:			

Prep Method:	3546_TPHSG	**Prep Batch Date/Time:**	4/4/18 5:25:00PM
Prep Batch ID:	1103964	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel (SG)	SW8015B	1	0.85	2.0	**3.14**	x	mg/Kg	04/05/18	20:57	mk	430766
TPH as Motor Oil (SG)	SW8015B	1	3.2	10	ND		mg/Kg	04/05/18	20:57	mk	430766
			Acceptance Limits								
Pentacosane (S)	SW8015B		59 - 129		**83.6**		%	04/05/18	20:57	mk	430766

NOTE: x-not typical of Diesel ref. std: peaks within Diesel range quantified as diesel

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-6 @ 6-12"	**Lab Sample ID:**	1804037-006A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:45		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104070	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	04/07/18	1:00	NP	430812
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	04/07/18	1:00	NP	430812
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	04/07/18	1:00	NP	430812
tert-Butanol	SW8260B	1	12	50	ND		ug/Kg	04/07/18	1:00	NP	430812
Diisopropyl ether (DIPE)	SW8260B	1	2.3	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	04/07/18	1:00	NP	430812
ETBE	SW8260B	1	2.3	10	ND		ug/Kg	04/07/18	1:00	NP	430812
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	04/07/18	1:00	NP	430812
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	04/07/18	1:00	NP	430812
TAME	SW8260B	1	2.3	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	04/07/18	1:00	NP	430812
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Tetrachloroethylene	SW8260B	1	1.7	10	ND		ug/Kg	04/07/18	1:00	NP	430812
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	1:00	NP	430812

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-6 @ 6-12"	**Lab Sample ID:**	1804037-006A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:45		
SDG:			

Prep Method:	5035	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104070	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Ethyl Benzene	SW8260B	1	1.7	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	04/07/18	1:00	NP	430812
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	04/07/18	1:00	NP	430812
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	1:00	NP	430812
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	04/07/18	1:00	NP	430812
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	04/07/18	1:00	NP	430812
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	1:00	NP	430812
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	04/07/18	1:00	NP	430812
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	04/07/18	1:00	NP	430812
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/07/18	1:00	NP	430812
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	04/07/18	1:00	NP	430812
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	04/07/18	1:00	NP	430812
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	04/07/18	1:00	NP	430812
2-Butanone	SW8260B	1	2.3	10	ND		ug/Kg	04/07/18	1:00	NP	430812
(S) Dibromofluoromethane	SW8260B		59.8 - 148		**106**		%	04/07/18	1:00	NP	430812
(S) Toluene-d8	SW8260B		55.2 - 133		**117**		%	04/07/18	1:00	NP	430812
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		**102**		%	04/07/18	1:00	NP	430812

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date/Time Received: 04/04/18, 2:00 pm
Date Reported: 04/09/18

Client Sample ID:	S-6 @ 6-12"	**Lab Sample ID:**	1804037-006A
Project Name/Location:	Sobrato Property-Area 4	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	04/04/18 / 12:45		
SDG:			

Prep Method:	5035GRO	**Prep Batch Date/Time:**	4/6/18	6:39:00PM
Prep Batch ID:	1104071	**Prep Analyst:**	NPAR	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH(Gasoline)	8260TPH	1	43	100	ND		ug/Kg	04/07/18	1:00	NP	430812
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		**49.6**		%	04/07/18	1:00	NP	430812

MB Summary Report

Work Order:	1804037	**Prep Method:**	3546_TPHSG	**Prep Date:**	04/04/18	**Prep Batch:**	1103964
Matrix:	Soil	**Analytical Method:**	SW8015B	**Analyzed Date:**	4/4/2018	**Analytical Batch:**	430739
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH as Diesel (SG)	0.85	2.0	ND	
TPH as Motor Oil (SG)	3.2	10	ND	
Pentacosane (S)			129	

Work Order:	1804037	**Prep Method:**	3546-BNASIM	**Prep Date:**	04/05/18	**Prep Batch:**	1104003
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	4/6/2018	**Analytical Batch:**	430807
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
N-Nitrosdimethylamine	0.22	100	0.222	J
Phenol	1.7	100	ND	
Bis(2-chloroethyl) ether	0.50	50	0.504	
2-Chlorophenol	1.2	100	ND	
1,3-Dichlorobenzene	0.50	50	ND	
1,4-Dichlorobenzene	1.1	50	ND	
1,2-Dichlorobenzene	0.50	50	ND	
2-Methylphenol (o-Cresol)	1.0	100	ND	
Bis(2-chloroisopropyl)ether	0.50	50	ND	
3-/4-Methylphenol (p-/m-Cresol)	1.2	100	ND	
N-nitroso-di-n-propylamine	1.3	100	ND	
Hexachloroethane	0.29	50	1.60	J
Nitrobenzene	0.65	50	1.54	J
2-Nitrophenol	1.0	100	ND	
2,4-Dimethylphenol	1.2	100	ND	
Bis(2-Chloroethoxy)methane	3.6	50	ND	
2,4-Dichlorophenol	0.36	100	ND	
1,2,4-Trichlorobenzene	0.50	50	ND	
Naphthalene	0.29	50	0.355	J
4-Chloroaniline	0.50	100	ND	
2,6-Dichlorophenol	0.36	100	0.876	J
Hexachloro-1,3-butadiene	0.36	50	ND	
4-Chloro-3-methylphenol	1.0	100	1.59	J
2-Methylnaphthalene	0.50	50	0.531	J
1-Methylnaphthalene	0.43	50	0.544	J
2,4,6-Trichlorophenol	0.65	100	ND	
2,4,5-Trichlorophenol	0.58	100	0.647	J
2-Chloronaphthalene	0.65	50	ND	
1,4-Dinitrobenzene	3.3	100	ND	

MB Summary Report

Work Order:	1804037	**Prep Method:**	3546-BNASIM	**Prep Date:**	04/05/18	**Prep Batch:**	1104003
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	4/6/2018	**Analytical Batch:**	430807
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dimethyl phthalate	0.65	50	0.793	J
1,3-Dinitrobenzene	2.7	100	ND	
Acenaphthylene	0.29	50	0.476	J
2,6-Dinitrotoluene	2.9	50	ND	
1,2-Dinitrobenzene	4.7	100	ND	
Acenaphthene	0.29	50	0.548	J
Dibenzofuran	0.58	50	ND	
2,4-Dinitrotoluene	2.4	50	ND	
2,3,5,6-Tetrachlorophenol	6.0	100	ND	
2,3,4,6-Tetrachlorophenol	6.6	100	ND	
Diethylphthalate	1.7	50	ND	
Fluorene	0.50	50	0.521	J
4-Chlorophenyl phenyl ether	0.65	50	ND	
4-Bromophenyl phenyl ether	0.36	50	0.420	J
Hexachlorobenzene	0.36	50	0.546	J
Pentachlorophenol	5.2	100	ND	
Phenanthrene	0.36	50	0.867	J
Anthracene	0.65	50	0.816	J
Carbazole	0.94	100	2.81	J
Di-n-butylphthalate	1.7	50	ND	
Fluoranthene	0.65	50	1.35	J
Pyrene	0.58	50	1.59	J
Benzyl butyl phthalate	1.2	50	ND	
Benz[a]anthracene	0.58	50	2.57	J
Chrysene	0.50	50	2.67	J
Bis(2-Ethylhexyl)phthalate	3.6	50	ND	
Di-n-octyl phthalate	1.1	50	1.18	J
Benzo[b]fluoranthene	0.58	50	2.60	J
Benzo[k]fluoranthene	0.50	50	4.04	J
Benzo[a]pyrene	0.58	50	2.85	J
Indeno[1,2,3-cd]pyrene	0.79	50	ND	
Dibenz[a,h]anthracene	0.72	50	1.24	J
Benzo[g,h,i]perylene	0.72	50	1.70	J
2-Fluorophenol (S)			89.0	
Phenol-d6 (S)			97.8	
Nitrobenzene-d5 (S)			86.5	
2-Fluorobiphenyl (S)			95.4	
2,4,6-Tribromophenol (S)			70.5	
p-Terphenyl-d14 (S)			106	

MB Summary Report

Work Order:	1804037	**Prep Method:**	3050B	**Prep Date:**	04/05/18	**Prep Batch:**	1104014
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	4/6/2018	**Analytical Batch:**	430828
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.050	5.00	ND	
Arsenic	0.15	1.30	ND	
Barium	0.055	5.00	0.15	
Beryllium	0.055	5.00	ND	
Cadmium	0.10	5.00	ND	
Chromium	0.075	5.00	0.40	
Cobalt	0.070	5.00	ND	
Copper	0.20	5.00	ND	
Lead	0.10	1.30	0.15	
Molybdenum	0.050	5.00	0.15	
Nickel	0.50	5.00	ND	
Selenium	0.22	5.00	ND	
Silver	0.15	5.00	ND	
Thallium	0.20	5.00	ND	
Vanadium	0.10	5.00	ND	
Zinc	0.30	5.00	0.80	

Work Order:	1804037	**Prep Method:**	7471BP	**Prep Date:**	04/04/18	**Prep Batch:**	1104015
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	4/6/2018	**Analytical Batch:**	430788
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Mercury	0.083	0.50	ND	

MB Summary Report

Work Order:	1804037	**Prep Method:**	3546_PCB	**Prep Date:**	04/06/18	**Prep Batch:**	1104021
Matrix:	Soil	**Analytical Method:**	SW8082A	**Analyzed Date:**	4/6/2018	**Analytical Batch:**	430816
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Aroclor1016	0.053	0.10	ND	
Aroclor1221	0.0050	0.10	ND	
Aroclor1232	0.017	0.10	ND	
Aroclor1242	0.0030	0.10	ND	
Aroclor1248	0.0020	0.10	ND	
Aroclor1254	0.0020	0.10	ND	
Aroclor1260	0.036	0.10	ND	
TCMX (S)			111	
DCBP (S)			132	

Work Order:	1804037	**Prep Method:**	3546-Herb	**Prep Date:**	04/06/18	**Prep Batch:**	1104042
Matrix:	Soil	**Analytical Method:**	SW8321B	**Analyzed Date:**	4/6/2018	**Analytical Batch:**	430854
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Bentazone	150	500	ND	
Dinoseb	97	500	ND	
Dichloroprop	160	500	ND	
2,4,5-TP	210	500	ND	
2,4,5-T	170	500	ND	
2,4-D	160	500	ND	
Picloram	160	500	ND	
MCPA	130	500	ND	
Acifluorofen	190	500	ND	
MCPP	140	500	ND	
3,5-DCBA	130	500	ND	
Atrazine d-5 (S)			122	

MB Summary Report

Work Order:	1804037	**Prep Method:**	5035	**Prep Date:**	04/06/18	**Prep Batch:**	1104070
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	4/6/2018	**Analytical Batch:**	430812
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Dichlorodifluoromethane	1.2	10	ND	
Chloromethane	1.8	10	ND	
Vinyl Chloride	2.0	10	ND	
Bromomethane	2.7	10	ND	
Chloroethane	3.0	10	ND	
Trichlorofluoromethane	2.1	10	ND	
1,1-Dichloroethene	2.0	10	ND	
Freon 113	1.9	10	ND	
Methylene Chloride	7.1	10	ND	
trans-1,2-Dichloroethene	2.1	10	ND	
MTBE	2.3	10	ND	
tert-Butanol	12	50	ND	
Diisopropyl ether (DIPE)	2.3	10	ND	
1,1-Dichloroethane	2.2	10	ND	
ETBE	2.3	10	5.5	
cis-1,2-Dichloroethene	2.2	10	ND	
2,2-Dichloropropane	1.9	10	ND	
Bromochloromethane	2.3	10	ND	
Chloroform	2.4	10	ND	
Carbon Tetrachloride	2.1	10	ND	
1,1,1-Trichloroethane	2.1	10	ND	
1,1-Dichloropropene	2.0	10	ND	
Benzene	2.2	10	ND	
TAME	2.3	10	5.7	
1,2-Dichloroethane	2.3	10	ND	
Trichloroethylene	1.8	10	ND	
Dibromomethane	1.8	10	ND	
1,2-Dichloropropane	1.9	10	ND	
Bromodichloromethane	2.0	10	ND	
cis-1,3-Dichloropropene	1.6	10	ND	
Toluene	1.8	10	ND	
Tetrachloroethylene	1.7	10	ND	
trans-1,3-Dichloropropene	1.6	10	ND	
1,1,2-Trichloroethane	1.8	10	ND	
Dibromochloromethane	1.9	10	ND	
1,3-Dichloropropane	1.8	10	ND	
1,2-Dibromoethane	1.8	10	ND	
Chlorobenzene	1.8	10	ND	
Ethyl Benzene	1.7	10	ND	
1,1,1,2-Tetrachloroethane	1.9	10	ND	
m,p-Xylene	3.2	10	ND	

MB Summary Report

Work Order:	1804037	**Prep Method:**	5035	**Prep Date:**	04/06/18	**Prep Batch:**	1104070
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	4/6/2018	**Analytical Batch:**	430812
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
o-Xylene	1.7	10	ND	
Styrene	1.6	10	ND	
Bromoform	1.7	10	ND	
Isopropyl Benzene	1.6	10	ND	
n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	ND	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	1.9	
1,2,4-Trichlorobenzene	1.5	10	2.2	
Naphthalene	1.7	10	6.5	
1,2,3-Trichlorobenzene	1.7	10	2.6	
2-Butanone	1.7	10	4.9	
(S) Dibromofluoromethane			102	
(S) Toluene-d8			108	
(S) 4-Bromofluorobenzene			109	

Work Order:	1804037	**Prep Method:**	5035GRO	**Prep Date:**	04/06/18	**Prep Batch:**	1104071
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	4/6/2018	**Analytical Batch:**	430812
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	43	100	44	
(S) 4-Bromofluorobenzene			84.4	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1804037	**Prep Method:**	3546_TPHSG	**Prep Date:**	04/04/18	**Prep Batch:**	1103964
Matrix:	Soil	**Analytical Method:**	SW8015B	**Analyzed Date:**	4/4/2018	**Analytical Batch:**	430739
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.85	2.0	ND	25.0	81.7	84.9	3.85	52 - 115	30	
TPH as Motor Oil (SG)			ND	200				59 - 129		

Work Order:	1804037	**Prep Method:**	3546-BNASIM	**Prep Date:**	04/05/18	**Prep Batch:**	1104003
Matrix:	Soil	**Analytical Method:**	SW8270C	**Analyzed Date:**	4/6/2018	**Analytical Batch:**	430807
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Phenol	18	100	0.222	800	93.3	89.9	3.82	40 - 100	30	
2-Chlorophenol	1.2	100	ND	800	96.5	93.4	3.29	45 - 105	30	
1,4-Dichlorobenzene	1.1	50	0.504	400	90.3	88.1	2.52	35 - 105	30	
N-nitroso-di-n-propylamine	1.3	100	ND	800	95.5	92.9	2.65	40 - 115	30	
1,2,4-Trichlorobenzene	0.50	50	ND	400	90.6	90.3	0.277	45 - 110	30	
4-Chloro-3-methylphenol	1.0	100	ND	800	86.2	84.7	1.90	45 - 110	30	
Acenaphthene	0.29	50	ND	400	90.2	88.8	1.68	45 - 110	30	
2,4-Dinitrotoluene	2.4	50	ND	400	88.0	89.4	1.69	50 - 115	30	
Pentachlorophenol	5.2	100	ND	800	69.0	69.0	0.000	25 - 120	30	
Pyrene	0.58	50	ND	400	105	106	0.473	45 - 125	30	
2-Fluorophenol (S)				11100	84.5	80.7		25 - 125		
Phenol-d6 (S)				11100	98.8	93.9		25 - 125		
Nitrobenzene-d5 (S)				5560	90.7	88.9		35 - 125		
2-Fluorobiphenyl (S)				5560	95.3	93.7		35 - 125		
2,4,6-Tribromophenol (S)				11100	87.4	85.8		25 - 125		
p-Terphenyl-d14 (S)				5560	108	108		35 - 125		

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1804037	**Prep Method:**	3050B	**Prep Date:**	04/05/18	**Prep Batch:**	1104014
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	4/9/2018	**Analytical Batch:**	430828
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	ND	50	101	97.2	4.03	80 - 120	30	
Arsenic	0.15	1.30	ND	50	99.6	95.7	4.10	80 - 120	30	
Barium	0.055	5.00	0.15	50	98.6	94.1	4.56	80 - 120	30	
Beryllium	0.055	5.00	ND	50	97.6	92.5	5.26	80 - 120	30	
Cadmium	0.10	5.00	ND	50	93.1	90.2	3.06	80 - 120	30	
Chromium	0.075	5.00	0.40	50	96.7	92.8	4.01	80 - 120	30	
Cobalt	0.070	5.00	ND	50	98.0	94.9	3.32	80 - 120	30	
Copper	0.20	5.00	ND	50	98.8	93.0	6.05	80 - 120	30	
Lead	0.10	3.00	0.15	50	99.8	96.5	3.26	80 - 120	30	
Molybdenum	0.050	5.00	0.15	50	101	94.0	7.38	80 - 120	30	
Nickel	0.50	5.00	ND	50	98.1	95.7	2.47	80 - 120	30	
Selenium	0.22	5.00	ND	50	99.2	96.0	3.28	80 - 120	30	
Silver	0.15	5.00	ND	50	96.0	88.7	7.79	80 - 120	30	
Thallium	0.20	5.00	ND	50	92.0	88.3	3.99	80 - 120	30	
Vanadium	0.10	5.00	ND	50	97.1	95.5	1.45	80 - 120	30	
Zinc	0.30	5.00	0.80	50	99.5	90.9	9.24	80 - 120	30	

Work Order:	1804037	**Prep Method:**	7471BP	**Prep Date:**	04/04/18	**Prep Batch:**	1104015
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	4/6/2018	**Analytical Batch:**	430788
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	89.5	84.7	5.50	80 - 120	30	

Work Order:	1804037	**Prep Method:**	3546_PCB	**Prep Date:**	04/06/18	**Prep Batch:**	1104021
Matrix:	Soil	**Analytical Method:**	SW8082A	**Analyzed Date:**	4/6/2018	**Analytical Batch:**	430816
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Aroclor1016	53	100	ND	600	124	143	14.1	25 - 145	30	
Aroclor1260	36	100	ND	600	87.7	106	18.9	30 - 145	30	
TCMX (S)				0.10	94.0	96.0		48 - 125		
DCBP (S)				0.10	108	129		48 - 135		

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1804037	**Prep Method:**	3546-Herb	**Prep Date:**	04/06/18	**Prep Batch:**	1104042
Matrix:	Soil	**Analytical Method:**	SW8321B	**Analyzed Date:**	4/6/2018	**Analytical Batch:**	430854
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Bentazone	150	500	ND	500	123	129	4.28	50 - 150	30	
Dinoseb	97	500	ND	500	98.4	104	5.34	50 - 150	30	
Dichloroprop	160	500	ND	500	117	116	1.03	50 - 150	30	
2,4,5-TP	210	500	ND	500	126	133	5.72	50 - 150	30	
2,4,5-T	170	500	ND	500	127	128	0.783	50 - 150	30	
2,4-D	160	500	ND	500	125	116	7.32	50 - 150	30	
Picloram	160	500	ND	500	124	129	3.79	50 - 150	30	
MCPA	130	500	ND	500	113	128	12.8	50 - 150	30	
Acifluorofen	190	500	ND	500	129	135	4.24	50 - 150	30	
MCPP	140	500	ND	500	123	127	3.69	50 - 150	30	
3,5-DCBA	130	500	ND	500	103	107	4.00	50 - 150	30	
Atrazine d-5 (S)				500	118	127		50 - 150		

Work Order:	1804037	**Prep Method:**	5035	**Prep Date:**	04/06/18	**Prep Batch:**	1104070
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	4/6/2018	**Analytical Batch:**	430812
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	102	99.8	1.79	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	109	108	1.29	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	105	106	0.570	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	118	112	5.04	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	109	108	0.923	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	98.5	97.8		59.8 - 148		
(S) Toluene-d8				50.0	111	107		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	112	108		55.8 - 141		

Work Order:	1804037	**Prep Method:**	5035GRO	**Prep Date:**	04/06/18	**Prep Batch:**	1104071
Matrix:	Soil	**Analytical Method:**	SW8260B	**Analyzed Date:**	4/7/2018	**Analytical Batch:**	430812
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	43	100	44	1000	92.0	94.9	3.10	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	90.9	92.0		43.9 - 127		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1804037	**Prep Method:**	3546_TPHSG	**Prep Date:**	04/04/18	**Prep Batch:**	1103964
Matrix:	**Soil**	**Analytical Method:**	SW8015B	**Analyzed Date:**	4/5/2018	**Analytical Batch:**	430766
Spiked Sample:	1804037-001A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel (SG)	0.850	2.00	3.54	25.0	50.1	55.8	8.33	50 - 115	30	
Pentacosane (S)				200	101	104		59 - 129		

Work Order:	1804037	**Prep Method:**	3546-BNASIM	**Prep Date:**	04/05/18	**Prep Batch:**	1104003
Matrix:	**Soil**	**Analytical Method:**	SW8270C	**Analyzed Date:**	4/7/2018	**Analytical Batch:**	430807
Spiked Sample:	1804037-001A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Phenol	36.0	200	ND	800	86.7	91.8	16.4	40 - 100	30	
2-Chlorophenol	2.30	200	ND	800	83.2	101	19.3	45 - 105	30	
1,4-Dichlorobenzene	2.16	100	ND	400	83.2	101	19.0	35 - 105	30	
N-nitroso-di-n-propylamine	2.59	0.20	0	800	93.8	111	16.9	40 - 115	30	
1,2,4-Trichlorobenzene	1.01	100	ND	400	84.2	101	18.4	45 - 110	30	
4-Chloro-3-methylphenol	2.02	200	ND	800	86.2	108	22.4	45 - 110	30	
Acenaphthene	0.576	100	ND	400	91.5	101	20.1	45 - 110	30	
2,4-Dinitrotoluene	4.75	100	ND	400	87.7	108	20.4	50 - 115	30	
Pentachlorophenol	10.4	200	ND	800	48.6	55.3	13.0	25 - 120	30	
Pyrene	1.15	100	ND	400	93.1	121	25.5	45 - 125	30	
2-Fluorophenol (S)				11100	66.0	80.9	20.2	25 - 125		
Phenol-d6 (S)				11100	87.8	105	18.0	25 - 125		
Nitrobenzene-d5 (S)				5560	83.0	97.5	16.2	35 - 125		
2-Fluorobiphenyl (S)				5560	91.2	109	18.1	35 - 125		
2,4,6-Tribromophenol (S)				11100	66.5	83.1	22.2	25 - 125		
p-Terphenyl-d14 (S)				5560	105	122	15.0	35 - 125		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1804037	**Prep Method:**	3546_PCB	**Prep Date:**	04/06/18	**Prep Batch:**	1104021
Matrix:	**Soil**	**Analytical Method:**	SW8082A	**Analyzed Date:**	4/6/2018	**Analytical Batch:**	430816
Spiked Sample:	1804037-001A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Aroclor1016	53.0	100	ND	600	109	110	0.913	25 - 145	30	
Aroclor1260	36.0	100	ND	600	101	101	0.331	30 - 145	30	
TCMX (S)				0.10	93.0	93.0		48 - 125		
DCBP (S)				0.10	119	119		48 - 135		

Work Order:	1804037	**Prep Method:**	5035	**Prep Date:**	04/06/18	**Prep Batch:**	1104070
Matrix:	**Soil**	**Analytical Method:**	SW8260B	**Analyzed Date:**	4/7/2018	**Analytical Batch:**	430812
Spiked Sample:	1804037-006A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50	110	115	4.44	55 - 125	30	
Benzene	2.2	10	ND	50	114	124	8.39	55 - 125	30	
Trichloroethylene	1.8	10	ND	50	101	110	8.17	55 - 125	30	
Toluene	1.8	10	ND	50	121	129	6.09	55 - 125	30	S
Chlorobenzene	1.8	10	ND	50	108	113	4.68	55 - 125	30	
(S) Dibromofluoromethane				50	104	113		59.8 - 148		
(S) Toluene-d8				50	113	121		55.2 - 133		
(S) 4-Bromofluorobenzene				50	96.1	100		55.8 - 141		

Duplicate QC Summary Report

Work Order:	1804037	**Prep Method:**	9045C	**Prep Date:**	4/9/2018	**Prep Batch:**	1104081
Matrix:		**Analytical Method:**	SW9045C	**Analyzed Date:**	04/09/18	**Analytical Batch:**	430827
Units:						**Lab Sample ID:**	1804037-001A-DUP-1104081

Parameters	MDL	PQL	Sample Result	Duplicate Result	% RPD
pH	0.10	2.00	8.00	8.04	0.50

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Project Name: Sobrato Property-Area 4

Work Order No.: 1804037

Date and Time Received: 4/4/2018 2:00:00PM

Received By: hu

Physically Logged By: Navin Ghodasara

Checklist Completed By: Navin Ghodasara

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	No	Temperature:	13.0	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: na

pH Adjusted by: na

Comments:

Login Summary Report

Client ID:	TL5123	Engeo (San Ramon)	**QC Level:**	II
Project Name:	Sobrato Property-Area 4		**TAT Requested:**	3 Day Std:3
Project # :	12165.000.002		**Date Received:**	4/4/2018
Report Due Date:	4/9/2018		**Time Received:**	2:00 pm

Comments:

Work Order # : ***1804037***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1804037-001A	S-1 @ 6-12"	04/04/18 11:30	Soil	10/01/18				
							Herb_S_8321BTORR VOC_S_GRO VOC_S_8260B TPHDOSG_S_8015B SVO_BNASIM Full SUB_Asb CARB435 B pH_S_9045C PCBs_S_8082A Met_S_6010B CAM17 Hg_S_7471B	Yes
Sample Note:	Std 3 day TAT. CAM 17, TPHg, VOCs, SVOCS-SIM, Asbestos CARB 435 B, Soil pH, Chlorinated Herbicides, TPHd, mo with silica gel clean/up, PCBs.							
1804037-002A	S-2 @ 6-12"	04/04/18 11:45	Soil	10/01/18				
							Herb_S_8321BTORR VOC_S_GRO VOC_S_8260B TPHDOSG_S_8015B SVO_BNASIM Full SUB_Asb CARB435 B pH_S_9045C PCBs_S_8082A Met_S_6010B CAM17 Hg_S_7471B	Yes
1804037-003A	S-3 @ 6-12"	04/04/18 12:00	Soil	10/01/18				
							Herb_S_8321BTORR VOC_S_GRO VOC_S_8260B TPHDOSG_S_8015B SVO_BNASIM Full SUB_Asb CARB435 B pH_S_9045C PCBs_S_8082A Met_S_6010B CAM17	Yes

Login Summary Report

Client ID:	TL5123	Engeo (San Ramon)	**QC Level:**	II
Project Name:	Sobrato Property-Area 4		**TAT Requested:**	3 Day Std:3
Project # :	12165.000.002		**Date Received:**	4/4/2018
Report Due Date:	4/9/2018		**Time Received:**	2:00 pm

Comments:

Work Order # : ***1804037***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1804037-004A	S-4 @ 6-12"	04/04/18 12:15	Soil	10/01/18			Hg_S_7471B Herb_S_8321BTORR VOC_S_GRO VOC_S_8260B TPHDOSG_S_8015B SVO_BNASIM Full SUB_Asb CARB435 B pH_S_9045C PCBs_S_8082A Met_S_6010B CAM17 Hg_S_7471B	Yes
1804037-005A	S-5 @ 6-12"	04/04/18 12:30	Soil	10/01/18			Herb_S_8321BTORR VOC_S_GRO VOC_S_8260B TPHDOSG_S_8015B SVO_BNASIM Full SUB_Asb CARB435 B pH_S_9045C PCBs_S_8082A Met_S_6010B CAM17 Hg_S_7471B	Yes
1804037-006A	S-6 @ 6-12"	04/04/18 12:45	Soil	10/01/18			Herb_S_8321BTORR Hg_S_7471B Met_S_6010B CAM17 PCBs_S_8082A pH_S_9045C SUB_Asb CARB435 B SVO_BNASIM Full TPHDOSG_S_8015B VOC_S_8260B VOC_S_GRO	Yes

Torrent LABORATORY, INC.

1804037

E

PROJECT NUMBER	PROJECT NAME
12165.000.002	Sobrato Property- Area 4

SAMPLED BY: (SIGNATURE/PRINT) Kelsey Geenart

PROJECT MANAGER: (SIGNATURE/PRINT) Kelsey Gulet

ROUTING: E-MAIL kgerhart@engeo.com, Jaa@engeo.com HARD COPY

REMARKS
REQUIRED DETECTION LIMITS

SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	CAM-17 metals (EPA Methods 6010B and 7471A)	Asbestos (CARB Method 435B)	Hydrogen ion content (pH) (EPA Method 9045C)	Chlorinated herbicides (EPA Method 8151A)	TPH- gasoline and Volatile Organcic Compounds (VOCs) (EPA Method 8260B, [redacted])	Semi-VOCs (SVOCs) (EPA Method 8270 SIM)	TPH-diesel and motor oil (EPA Method 8015) with silica gel cleanup	PCBs (EPA Method 8082)							
S-1 @ 6-12"	4/4/18	11:30	Soil	1	liner	on ice	X	X	X	X	X	X	X	X		-001A					
S-2 @ 6-12"		11:45	Soil	1	liner	on ice	X	X	X	X	X	X	X	X		-002A					
S-3 @ 6-12"		12:00	Soil	1	liner	on ice	X	X	X	X	X	X	X	X							
S-4 @ 6-12"		12:15	Soil	1	liner	on ice	X	X	X	X	X	X	X	X							
S-5 @ 6-12"		12:30	Soil	1	liner	on ice	X	X	X	X	X	X	X	X							
S-6 @ 6-12"		12:45	Soil	1	liner	on ice	X	X	X	X	X	X	X	X							

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME
Kelsey Gulet	4/4/18 14:00	4/4/18 14:00		
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS
				Standard turnaround.

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT; COPY TO PROJECT FIELD FILES

ENGEO INCORPORATED

2010 CROW CANYON PLACE SUITE 250
SAN RAMON, CALIFORNIA 94583
(925) 866-9000 FAX (925) 866-0199
WWW.ENGEO.COM

D/OFF

Temp: 13°C #2 Sample chilling begin

EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577
Phone/Fax: (510) 895-3675 / (510) 895-3680
http://www.EMSL.com / sanleandrolab@emsl.com

EMSL Order: 091807379
Customer ID: TORR80
Customer PO: 1804037
Project ID:

Attention: Kathie Evans
Torrent Laboratory, Inc.
483 Sinclair Frontage Rd.
Milpitas, CA 95035

Project: 1804037

Phone: (408) 263-5258
Fax: (408) 263-8293
Received: 04/06/2018 9:00 AM
Analysis Date: 04/13/2018
Collected: 04/04/2018

Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with CARB 435 Prep (Milling). Level B for 0.1% Target Analytical Sensitivity

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1804037-001A *091807379-0001*		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
1804037-002A *091807379-0002*		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
1804037-003A *091807379-0003*		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
1804037-004A *091807379-0004*		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
1804037-005A *091807379-0005*		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**
1804037-006A *091807379-0006*		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	**None Detected**

Analyst(s)

Cecilia Yu (6)

Matthew Batongbacal
or other approved signatory

This report relates only to the samples listed above and may not be reproduced except in full, without EMSL's written approval. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMSL is not responsible for sample collection activities or method limitations . Some samples may contain asbestos fibers below the resolution limit of PLM. EMSL recommends that samples reported as none detected or less then the limit of detection undergo additional analysis via TEM . Unless otherwise noted, the results in this report have not been blank corrected.Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA

Initial report from: 04/13/2018 16:52:33

Engeo (San Ramon)
2010 Crow Canyon Place,#250
San Ramon, California 94583
Tel: (925) 866-9000
Fax: (925) 866-0199

RE: Sobrato

Work Order No.: 1805137

Dear Stephen Fallon:

Torrent Laboratory, Inc. received 19 sample(s) on May 15, 2018 for the analyses presented in the following Report.

As requested on the Chain of Custody, six samples were placed on hold.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Patti L Sandrock
QA Officer

May 18, 2018
Date

Date: 5/18/2018

Client: Engeo (San Ramon)

Project: Sobrato

Work Order: 1805137

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/15/18
Date Reported: 05/18/18

GP-46-1' 1805137-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDD	SW8081B	3	1.7	6.0	8.78	ug/Kg
4,4-DDT	SW8081B	3	0.39	6.0	112	ug/Kg
Toxaphene	SW8081B	3	26	150	2050	ug/Kg
4,4-DDE	SW8081B	30	5.8	60	794	ug/Kg

GP-46-2' 1805137-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	3.23	ug/Kg

GP-40-1' 1805137-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDD	SW8081B	1	0.57	2.0	8.55	ug/Kg
4,4-DDE	SW8081B	10	1.9	20	484	ug/Kg
4,4-DDT	SW8081B	10	1.3	20	57.7	ug/Kg

GP-40-2' 1805137-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

GP-33-1' 1805137-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDT	SW8081B	1	0.13	2.0	18.2	ug/Kg
Toxaphene	SW8081B	1	8.5	50	277	ug/Kg
4,4-DDE	SW8081B	10	1.9	20	235	ug/Kg

GP-33-2' 1805137-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
gamma-Chlordane	SW8081B	1	0.16	2.0	7.66	ug/Kg
alpha-Chlordane	SW8081B	1	0.17	2.0	7.37	ug/Kg
4,4-DDE	SW8081B	1	0.19	2.0	51.5	ug/Kg
Chlordane	SW8081B	1	2.1	20	94.3	ug/Kg

Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/15/18
Date Reported: 05/18/18

GP-41-1' 1805137-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDT	SW8081B	3	0.39	6.0	104	ug/Kg
Toxaphene	SW8081B	3	26	150	1750	ug/Kg
4,4-DDE	SW8081B	30	5.8	60	823	ug/Kg

GP-41-2' 1805137-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	2.67	ug/Kg

GP-34-1' 1805137-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDT	SW8081B	3	0.39	6.0	73.7	ug/Kg
Toxaphene	SW8081B	3	26	150	1070	ug/Kg
4,4-DDE	SW8081B	30	5.8	60	681	ug/Kg

GP-34-2' 1805137-014

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	2.10	ug/Kg

GP-35-1' 1805137-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	24.8	ug/Kg

GP-35-2' 1805137-017

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	6.95	ug/Kg

GP-28-1' 1805137-019

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDT	SW8081B	3	0.39	6.0	67.9	ug/Kg
Toxaphene	SW8081B	3	26	150	1090	ug/Kg
4,4-DDE	SW8081B	30	5.8	60	610	ug/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-46-1'	**Lab Sample ID:**	1805137-001A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 9:02		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	05/18/18	17:05	TT	431785
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	05/18/18	17:05	TT	431785
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	05/18/18	17:05	TT	431785
delta-BHC	SW8081B	3	0.47	6.0	ND		ug/Kg	05/18/18	17:05	TT	431785
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	05/18/18	17:05	TT	431785
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	05/18/18	17:05	TT	431785
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	05/18/18	17:05	TT	431785
gamma-Chlordane	SW8081B	3	0.49	6.0	ND		ug/Kg	05/18/18	17:05	TT	431785
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	05/18/18	17:05	TT	431785
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	05/18/18	17:05	TT	431785
Dieldrin	SW8081B	3	0.44	6.0	ND		ug/Kg	05/18/18	17:05	TT	431785
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	05/18/18	17:05	TT	431785
4,4-DDD	SW8081B	3	1.7	6.0	**8.78**		ug/Kg	05/18/18	17:05	TT	431785
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	05/18/18	17:05	TT	431785
4,4-DDT	SW8081B	3	0.39	6.0	**112**		ug/Kg	05/18/18	17:05	TT	431785
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	05/18/18	17:05	TT	431785
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	05/18/18	17:05	TT	431785
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	05/18/18	17:05	TT	431785
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	05/18/18	17:05	TT	431785
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	05/18/18	17:05	TT	431785
Toxaphene	SW8081B	3	26	150	**2050**		ug/Kg	05/18/18	17:05	TT	431785
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**94.1**		%	05/18/18	17:05	TT	431785
DCBP (S)	SW8081B		38 - 135		**93.1**		%	05/18/18	17:05	TT	431785

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-46-1'	**Lab Sample ID:**	1805137-001A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 9:02		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	30	5.8	60	**794**		ug/Kg	05/18/18	15:38	LA	431783

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-46-2'	**Lab Sample ID:**	1805137-002A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 9:01		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
4,4-DDE	SW8081B	1	0.19	2.0	**3.23**		ug/Kg	05/18/18	3:07	LA	431783
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	3:07	LA	431783
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	3:07	LA	431783
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	3:07	LA	431783
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**94.5**		%	05/18/18	3:07	LA	431783
DCBP (S)	SW8081B		38 - 135		**88.9**		%	05/18/18	3:07	LA	431783

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-40-1'	**Lab Sample ID:**	1805137-004A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 9:14		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg		0:00	LA	431783
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg		0:00	LA	431783
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg		0:00	LA	431783
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg		0:00	LA	431783
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg		0:00	LA	431783
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg		0:00	LA	431783
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg		0:00	LA	431783
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg		0:00	LA	431783
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg		0:00	LA	431783
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg		0:00	LA	431783
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg		0:00	LA	431783
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg		0:00	LA	431783
4,4-DDD	SW8081B	1	0.57	2.0	**8.55**		ug/Kg		0:00	LA	431783
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg		0:00	LA	431783
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg		0:00	LA	431783
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg		0:00	LA	431783
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg		0:00	LA	431783
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg		0:00	LA	431783
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg		0:00	LA	431783
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg		0:00	LA	431783
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**91.7**		%		0:00	LA	431783
DCBP (S)	SW8081B		38 - 135		**86.3**		%		0:00	LA	431783

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-40-1'	**Lab Sample ID:**	1805137-004A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 9:14		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	10	1.9	20	**484**		ug/Kg	05/18/18	15:13	LA	431783
4,4-DDT	SW8081B	10	1.3	20	**57.7**		ug/Kg	05/18/18	15:13	LA	431783

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-40-2'	**Lab Sample ID:**	1805137-005A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 9:15		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	3:33	LA	431783
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	3:33	LA	431783
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	3:33	LA	431783
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**97.3**		%	05/18/18	3:33	LA	431783
DCBP (S)	SW8081B		38 - 135		**91.7**		%	05/18/18	3:33	LA	431783

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-33-1'	**Lab Sample ID:**	1805137-007A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 9:25		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
4,4-DDT	SW8081B	1	0.13	2.0	**18.2**		ug/Kg	05/18/18	17:18	TT	431785
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	17:18	TT	431785
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	17:18	TT	431785
Toxaphene	SW8081B	1	8.5	50	**277**		ug/Kg	05/18/18	17:18	TT	431785
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**98.5**		%	05/18/18	17:18	TT	431785
DCBP (S)	SW8081B		38 - 135		**96.8**		%	05/18/18	17:18	TT	431785

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-33-1'	**Lab Sample ID:**	1805137-007A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 9:25		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	10	1.9	20	**235**		ug/Kg	05/18/18	15:50	LA	431783

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-33-2'	**Lab Sample ID:**	1805137-008A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 9:26		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	3:59	LA	431783
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	3:59	LA	431783
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	3:59	LA	431783
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	3:59	LA	431783
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	3:59	LA	431783
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	3:59	LA	431783
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	3:59	LA	431783
gamma-Chlordane	SW8081B	1	0.16	2.0	**7.66**		ug/Kg	05/18/18	3:59	LA	431783
alpha-Chlordane	SW8081B	1	0.17	2.0	**7.37**		ug/Kg	05/18/18	3:59	LA	431783
4,4-DDE	SW8081B	1	0.19	2.0	**51.5**		ug/Kg	05/18/18	3:59	LA	431783
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	3:59	LA	431783
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	3:59	LA	431783
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	3:59	LA	431783
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	3:59	LA	431783
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	3:59	LA	431783
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	3:59	LA	431783
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	3:59	LA	431783
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	3:59	LA	431783
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	3:59	LA	431783
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	3:59	LA	431783
Chlordane	SW8081B	1	2.1	20	**94.3**		ug/Kg	05/18/18	3:59	LA	431783
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	3:59	LA	431783
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**86.3**		%	05/18/18	3:59	LA	431783
DCBP (S)	SW8081B		38 - 135		**84.0**		%	05/18/18	3:59	LA	431783

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-41-1'	**Lab Sample ID:**	1805137-010A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 9:36		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
delta-BHC	SW8081B	3	0.47	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
gamma-Chlordane	SW8081B	3	0.49	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
Dieldrin	SW8081B	3	0.44	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
4,4-DDD	SW8081B	3	1.7	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
4,4-DDT	SW8081B	3	0.39	6.0	**104**		ug/Kg	05/18/18	17:31	TT	431785
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	05/18/18	17:31	TT	431785
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	05/18/18	17:31	TT	431785
Toxaphene	SW8081B	3	26	150	**1750**		ug/Kg	05/18/18	17:31	TT	431785
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**77.0**		%	05/18/18	17:31	TT	431785
DCBP (S)	SW8081B		38 - 135		**81.7**		%	05/18/18	17:31	TT	431785

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-41-1'	**Lab Sample ID:**	1805137-010A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 9:36		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	30	5.8	60	**823**		ug/Kg	05/18/18	16:30	LA	431783

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-41-2'	**Lab Sample ID:**	1805137-011A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 9:37		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
4,4-DDE	SW8081B	1	0.19	2.0	**2.67**		ug/Kg	05/18/18	4:25	LA	431783
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	4:25	LA	431783
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	4:25	LA	431783
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	4:25	LA	431783
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**87.0**		%	05/18/18	4:25	LA	431783
DCBP (S)	SW8081B		38 - 135		**82.3**		%	05/18/18	4:25	LA	431783

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-34-1'	**Lab Sample ID:**	1805137-013A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 9:46		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
delta-BHC	SW8081B	3	0.47	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
gamma-Chlordane	SW8081B	3	0.49	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
Dieldrin	SW8081B	3	0.44	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
4,4-DDD	SW8081B	3	1.7	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
4,4-DDT	SW8081B	3	0.39	6.0	**73.7**		ug/Kg	05/18/18	17:45	TT	431785
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	05/18/18	17:45	TT	431785
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	05/18/18	17:45	TT	431785
Toxaphene	SW8081B	3	26	150	**1070**		ug/Kg	05/18/18	17:45	TT	431785
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**90.5**		%	05/18/18	17:45	TT	431785
DCBP (S)	SW8081B		38 - 135		**82.1**		%	05/18/18	17:45	TT	431785

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-34-1'	**Lab Sample ID:**	1805137-013A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 9:46		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	30	5.8	60	**681**		ug/Kg	05/18/18	16:16	LA	431783

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-34-2'	**Lab Sample ID:**	1805137-014A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 9:47		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
4,4-DDE	SW8081B	1	0.19	2.0	**2.10**		ug/Kg	05/18/18	5:16	LA	431783
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	5:16	LA	431783
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	5:16	LA	431783
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	5:16	LA	431783
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**81.8**		%	05/18/18	5:16	LA	431783
DCBP (S)	SW8081B		38 - 135		**76.1**		%	05/18/18	5:16	LA	431783

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-35-1'	**Lab Sample ID:**	1805137-016A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 9:55		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
4,4-DDE	SW8081B	1	0.19	2.0	**24.8**		ug/Kg	05/18/18	5:29	LA	431783
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	5:29	LA	431783
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	5:29	LA	431783
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	5:29	LA	431783
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**86.6**		%	05/18/18	5:29	LA	431783
DCBP (S)	SW8081B		38 - 135		**81.1**		%	05/18/18	5:29	LA	431783

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-35-2'	**Lab Sample ID:**	1805137-017A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 9:56		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
4,4-DDE	SW8081B	1	0.19	2.0	**6.95**		ug/Kg	05/18/18	5:42	LA	431783
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	5:42	LA	431783
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	5:42	LA	431783
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	5:42	LA	431783
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**81.0**		%	05/18/18	5:42	LA	431783
DCBP (S)	SW8081B		38 - 135		**75.9**		%	05/18/18	5:42	LA	431783

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-28-1'	**Lab Sample ID:**	1805137-019A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 10:00		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
delta-BHC	SW8081B	3	0.47	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
gamma-Chlordane	SW8081B	3	0.49	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
Dieldrin	SW8081B	3	0.44	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
4,4-DDD	SW8081B	3	1.7	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
4,4-DDT	SW8081B	3	0.39	6.0	**67.9**		ug/Kg	05/18/18	17:58	TT	431785
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	05/18/18	17:58	TT	431785
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	05/18/18	17:58	TT	431785
Toxaphene	SW8081B	3	26	150	**1090**		ug/Kg	05/18/18	17:58	TT	431785
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**89.3**		%	05/18/18	17:58	TT	431785
DCBP (S)	SW8081B		38 - 135		**82.2**		%	05/18/18	17:58	TT	431785

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-28-1'	**Lab Sample ID:**	1805137-019A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 10:00		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105097	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	30	5.8	60	**610**		ug/Kg	05/18/18	16:29	LA	431783

MB Summary Report

Work Order:	1805137	**Prep Method:**	3546_OCP	**Prep Date:**	05/17/18	**Prep Batch:**	1105097
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/18/2018	**Analytical Batch:**	431783
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
alpha-BHC	0.13	2.0	ND	
gamma-BHC (Lindane)	0.16	2.0	ND	
beta-BHC	0.32	2.0	ND	
delta-BHC	0.16	2.0	ND	
Heptachlor	0.11	2.0	ND	
Aldrin	0.20	2.0	ND	
Heptachlor Epoxide	0.078	2.0	ND	
gamma-Chlordane	0.16	2.0	ND	
alpha-Chlordane	0.17	2.0	ND	
4,4-DDE	0.19	2.0	ND	
Endosulfan I	0.18	2.0	ND	
Dieldrin	0.15	2.0	ND	
Endrin	0.19	2.0	ND	
4,4-DDD	0.57	2.0	ND	
Endosulfan II	0.58	2.0	ND	
4,4-DDT	0.13	2.0	ND	
Endrin Aldehyde	0.15	2.0	ND	
Methoxychlor	0.20	2.0	ND	
Endosulfan Sulfate	0.12	2.0	ND	
Endrin Ketone	0.094	2.0	ND	
Chlordane	2.1	20	ND	
Toxaphene	8.5	50	ND	
TCMX (S)			97.9	
DCBP (S)			90.7	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1805137	**Prep Method:**	3546_OCP	**Prep Date:**	05/17/18	**Prep Batch:**	1105097
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/18/2018	**Analytical Batch:**	431783
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.16	2.0	ND	40	119	125	4.51	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	128	129	0.972	40 - 130	30	
Aldrin	0.20	2.0	ND	40	113	117	3.47	25 - 140	30	
Dieldrin	0.15	2.0	ND	40	113	115	1.98	60 - 130	30	
Endrin	0.19	2.0	ND	40	126	131	3.71	55 - 135	30	
4,4-DDT	0.13	2.0	ND	40	130	135	3.60	45 - 140	30	
TCMX (S)				100	101	105		48 - 125		
DCBP (S)				100	94.7	98.5		38 - 135		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1805137	**Prep Method:**	3546_OCP	**Prep Date:**	05/17/18	**Prep Batch:**	1105097
Matrix:	**Soil**	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/18/2018	**Analytical Batch:**	431783
Spiked Sample:	1805137-008A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.159	2.00	ND	40	88.4	105	16.9	25 - 135	30	
Heptachlor	0.105	2.00	ND	40	97.5	116	17.5	40 - 130	30	
Aldrin	0.195	2.00	ND	40	87.2	105	18.0	25 - 140	30	
Dieldrin	0.148	2.00	ND	40	88.3	106	18.3	60 - 130	30	
Endrin	0.188	2.00	ND	40	99.7	117	16.3	55 - 135	30	
4,4-DDT	0.129	2.00	ND	40	109	121	10.7	45 - 140	30	
TCMX (S)				100	78.0	93.4		48 - 125		
DCBP (S)				100	73.5	88.1		38 - 135		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Project Name: Sobrato

Work Order No.: 1805137

Date and Time Received: 5/15/2018 12:40:00PM

Received By: Helena Ueng

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: FedEx SameDay

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	8.0	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: N/A

pH Adjusted by: N/A

Comments:

Login Summary Report

Client ID:	TL5123	Engeo (San Ramon)	**QC Level:**	II
Project Name:	Sobrato		**TAT Requested:**	3 Day Std:3
Project # :	12165.000.002		**Date Received:**	5/15/2018
Report Due Date:	5/18/2018		**Time Received:**	12:40 pm

Comments:

Work Order # : ***1805137***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1805137-001A	GP-46-1'	05/14/18 9:02	Soil	11/10/18				
							Pest_S_8081OCP	
1805137-002A	GP-46-2'	05/14/18 9:01	Soil	11/10/18				
							Pest_S_8081OCP	
1805137-003A	GP-46-3'	05/14/18 9:00	Soil	11/10/18				
							Hold Samples	
1805137-004A	GP-40-1'	05/14/18 9:14	Soil	11/10/18				
							Pest_S_8081OCP	
1805137-005A	GP-40-2'	05/14/18 9:15	Soil	11/10/18				
							Pest_S_8081OCP	
1805137-006A	GP-40-3'	05/14/18 9:16	Soil	11/10/18				
							Hold Samples	
1805137-007A	GP-33-1'	05/14/18 9:25	Soil	11/10/18				
							Pest_S_8081OCP	
1805137-008A	GP-33-2'	05/14/18 9:26	Soil	11/10/18				
							Pest_S_8081OCP	
1805137-009A	GP-33-3'	05/14/18 9:27	Soil	11/10/18				
							Hold Samples	
1805137-010A	GP-41-1'	05/14/18 9:36	Soil	11/10/18				
							Pest_S_8081OCP	
1805137-011A	GP-41-2'	05/14/18 9:37	Soil	11/10/18				
							Pest_S_8081OCP	
1805137-012A	GP-41-3'	05/14/18 9:38	Soil	11/10/18				
							Hold Samples	
1805137-013A	GP-34-1'	05/14/18 9:46	Soil	11/10/18				
							Pest_S_8081OCP	
1805137-014A	GP-34-2'	05/14/18 9:47	Soil	11/10/18				
							Pest_S_8081OCP	
1805137-015A	GP-34-3'	05/14/18 9:48	Soil	11/10/18				
							Hold Samples	
1805137-016A	GP-35-1'	05/14/18 9:55	Soil	11/10/18				
							Pest_S_8081OCP	
1805137-017A	GP-35-2'	05/14/18 9:56	Soil	11/10/18				
							Pest_S_8081OCP	
1805137-018A	GP-35-3'	05/14/18 9:57	Soil	11/10/18				
							Hold Samples	
1805137-019A	GP-28-1'	05/14/18 10:00	Soil	11/10/18				

Login Summary Report

Client ID:	TL5123	Engeo (San Ramon)	**QC Level:**	II
Project Name:	Sobrato		**TAT Requested:**	3 Day Std:3
Project # :	12165.000.002		**Date Received:**	5/15/2018
Report Due Date:	5/18/2018		**Time Received:**	12:40 pm

Comments:

Work Order # : ***1805137***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
							Pest_S_8081OCP	

Torrent LABORATORY, INC.

1805137

CHAIN OF CUSTODY RECORD

PROJECT NUMBER: 12165.000.002
PROJECT NAME: SOBRATO
SAMPLED BY: (SIGNATURE/PRINT) Stephen Fallon
PROJECT MANAGER: (SIGNATURE/PRINT) Divya
ROUTING: E-MAIL sfallon@engeo.com HARD COPY

SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	OCPs (8081)	REMARKS REQUIRED DETECTION LIMITS	
GP-46-1'	5/14/18	09:02	SOIL	1	SLEEVE	4°C	X		-001A
GP-46-2'		09:01							-002A
GP-46-3'		09:00						HOLD	-003A
GP-40-1'		09:14							-004A
GP-40-2'		09:15							-005A
GP-40-3'		09:16						HOLD	-006A
GP-33-1'		09:25							-007A
GP-33-2'		09:26							-008A
GP-33-3'		09:27						HOLD	-009A
GP-41-1'		09:36							-010A
GP-41-2'		09:37							-011A
GP-41-3'		09:38						HOLD	-012A
GP-34-1'		09:46							-013A
GP-34-2'		09:47							-014A
GP-34-3'		09:48						HOLD	-015A
GP-35-1'		09:55							-016A
GP-35-2'		09:56							-017A
GP-35-3'		09:57						HOLD	-018A
GP-28-1'		10:00							-019A

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/14/18 16:20			5/15/18 11:00	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/15/18 12:00	5/15/18 12:01			
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS - Standard Turnaround	

ENGEO INCORPORATED
2010 CROW CANYON PLACE SUITE 250
SAN RAMON, CALIFORNIA 94583
(925) 866-9000 FAX (925) 866-0199
WWW.ENGEO.COM

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT; COPY TO PROJECT FIELD FILES

FedEx Ctg

8°C #2

Engeo (San Ramon)
2010 Crow Canyon Place,#250
San Ramon, California 94583
Tel: (925) 866-9000
Fax: (925) 866-0199

RE: Sobrato

Work Order No.: 1805138

Dear Stephen Fallon:

Torrent Laboratory, Inc. received 19 sample(s) on May 15, 2018 for the analyses presented in the following Report.

As requested on the Chain of Custody, six samples were placed on hold.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Belinda Vega
Vice President of Operations

May 18, 2018
Date

Date: 5/18/2018

Client: Engeo (San Ramon)

Project: Sobrato

Work Order: 1805138

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/15/18
Date Reported: 05/18/18

GP-28-2' 1805138-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	2.18	ug/Kg

GP-29-1' 1805138-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	20	3.9	40	557	ug/Kg
4,4-DDD	SW8081B	3	1.7	6.0	8.15	ug/Kg
4,4-DDT	SW8081B	3	0.39	6.0	38.1	ug/Kg
Toxaphene	SW8081B	3	26	150	794	ug/Kg

GP-29-2' 1805138-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

GP-30-1' 1805138-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	20	3.9	40	458	ug/Kg
Dieldrin	SW8081B	3	0.44	6.0	5.20	ug/Kg
4,4-DDD	SW8081B	3	1.7	6.0	9.66	ug/Kg
4,4-DDT	SW8081B	3	0.39	6.0	41.9	ug/Kg
Toxaphene	SW8081B	3	26	150	675	ug/Kg

GP-30-2' 1805138-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	4.46	ug/Kg

GP-31-1' 1805138-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

GP-31-2' 1805138-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

GP-32-1' 1805138-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	8.32	ug/Kg

Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/15/18
Date Reported: 05/18/18

GP-32-2' 1805138-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	4.26	ug/Kg

GP-39-1' 1805138-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Toxaphene	SW8081B	1	8.5	50	359	ug/Kg
4,4-DDE	SW8081B	10	1.9	20	274	ug/Kg

GP-39-2' 1805138-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

GP-45-1' 1805138-018

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	6.40	ug/Kg

GP-45-2' 1805138-019

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	4.36	ug/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-28-2'	**Lab Sample ID:**	1805138-001A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 10:01		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 7:57:00PM
Prep Batch ID:	1105098	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
4,4-DDE	SW8081B	1	0.19	2.0	**2.18**		ug/Kg	05/17/18	23:41	LA	431754
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/17/18	23:41	LA	431754
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/17/18	23:41	LA	431754
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/17/18	23:41	LA	431754
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**88.4**		%	05/17/18	23:41	LA	431754
DCBP (S)	SW8081B		38 - 135		**101**		%	05/17/18	23:41	LA	431754

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-29-1'	**Lab Sample ID:**	1805138-003A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 10:10		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 7:57:00PM
Prep Batch ID: 1105098 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	05/17/18	23:54	LA	431754
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	05/17/18	23:54	LA	431754
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	05/17/18	23:54	LA	431754
delta-BHC	SW8081B	3	0.47	6.0	ND		ug/Kg	05/17/18	23:54	LA	431754
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	05/17/18	23:54	LA	431754
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	05/17/18	23:54	LA	431754
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	05/17/18	23:54	LA	431754
gamma-Chlordane	SW8081B	3	0.49	6.0	ND		ug/Kg	05/17/18	23:54	LA	431754
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	05/17/18	23:54	LA	431754
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	05/17/18	23:54	LA	431754
Dieldrin	SW8081B	3	0.44	6.0	ND		ug/Kg	05/17/18	23:54	LA	431754
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	05/17/18	23:54	LA	431754
4,4-DDD	SW8081B	3	1.7	6.0	**8.15**		ug/Kg	05/17/18	23:54	LA	431754
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	05/17/18	23:54	LA	431754
4,4-DDT	SW8081B	3	0.39	6.0	**38.1**		ug/Kg	05/17/18	23:54	LA	431754
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	05/17/18	23:54	LA	431754
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	05/17/18	23:54	LA	431754
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	05/17/18	23:54	LA	431754
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	05/17/18	23:54	LA	431754
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	05/17/18	23:54	LA	431754
Toxaphene	SW8081B	3	26	150	**794**		ug/Kg	05/17/18	23:54	LA	431754
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**88.0**		%	05/17/18	23:54	LA	431754
DCBP (S)	SW8081B		38 - 135		**84.4**		%	05/17/18	23:54	LA	431754

NOTE: Sample diluted due to nature of the matrix (yellow extract)

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 7:57:00PM
Prep Batch ID: 1105098 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	20	3.9	40	**557**		ug/Kg	05/18/18	10:27	LA	431754

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-29-2'	**Lab Sample ID:**	1805138-004A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 10:11		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 7:57:00PM
Prep Batch ID:	1105098	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	0:08	LA	431754
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	0:08	LA	431754
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	0:08	LA	431754
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**81.5**		%	05/18/18	0:08	LA	431754
DCBP (S)	SW8081B		38 - 135		**87.1**		%	05/18/18	0:08	LA	431754

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-30-1'	**Lab Sample ID:**	1805138-006A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 10:20		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 7:57:00PM
Prep Batch ID: 1105098 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	05/18/18	0:21	LA	431754
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	05/18/18	0:21	LA	431754
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	05/18/18	0:21	LA	431754
delta-BHC	SW8081B	3	0.47	6.0	ND		ug/Kg	05/18/18	0:21	LA	431754
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	05/18/18	0:21	LA	431754
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	05/18/18	0:21	LA	431754
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	05/18/18	0:21	LA	431754
gamma-Chlordane	SW8081B	3	0.49	6.0	ND		ug/Kg	05/18/18	0:21	LA	431754
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	05/18/18	0:21	LA	431754
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	05/18/18	0:21	LA	431754
Dieldrin	SW8081B	3	0.44	6.0	**5.20**	J	ug/Kg	05/18/18	0:21	LA	431754
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	05/18/18	0:21	LA	431754
4,4-DDD	SW8081B	3	1.7	6.0	**9.66**		ug/Kg	05/18/18	0:21	LA	431754
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	05/18/18	0:21	LA	431754
4,4-DDT	SW8081B	3	0.39	6.0	**41.9**		ug/Kg	05/18/18	0:21	LA	431754
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	05/18/18	0:21	LA	431754
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	05/18/18	0:21	LA	431754
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	05/18/18	0:21	LA	431754
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	05/18/18	0:21	LA	431754
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	05/18/18	0:21	LA	431754
Toxaphene	SW8081B	3	26	150	**675**		ug/Kg	05/18/18	0:21	LA	431754
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**79.2**		%	05/18/18	0:21	LA	431754
DCBP (S)	SW8081B		38 - 135		**74.5**		%	05/18/18	0:21	LA	431754

NOTE: Sample diluted due to nature of the matrix (yellow extract)

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 7:57:00PM
Prep Batch ID: 1105098 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	20	3.9	40	**458**		ug/Kg	05/18/18	10:40	LA	431754

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-30-2'	**Lab Sample ID:**	1805138-007A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 10:21		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 7:57:00PM
Prep Batch ID:	1105098	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
4,4-DDE	SW8081B	1	0.19	2.0	**4.46**		ug/Kg	05/18/18	0:35	LA	431754
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	0:35	LA	431754
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	0:35	LA	431754
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	0:35	LA	431754
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**84.0**		%	05/18/18	0:35	LA	431754
DCBP (S)	SW8081B		38 - 135		**103**		%	05/18/18	0:35	LA	431754

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-31-1'	**Lab Sample ID:**	1805138-009A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 10:30		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 7:57:00PM
Prep Batch ID:	1105098	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	0:48	LA	431754
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	0:48	LA	431754
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	0:48	LA	431754
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**92.8**		%	05/18/18	0:48	LA	431754
DCBP (S)	SW8081B		38 - 135		**97.7**		%	05/18/18	0:48	LA	431754

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-31-2'	**Lab Sample ID:**	1805138-010A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 10:31		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 7:57:00PM
Prep Batch ID:	1105098	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	1:02	LA	431754
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	1:02	LA	431754
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	1:02	LA	431754
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**92.1**		%	05/18/18	1:02	LA	431754
DCBP (S)	SW8081B		38 - 135		**102**		%	05/18/18	1:02	LA	431754

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-32-1'	**Lab Sample ID:**	1805138-012A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 10:45		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 7:57:00PM
Prep Batch ID:	1105098	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
4,4-DDE	SW8081B	1	0.19	2.0	**8.32**		ug/Kg	05/18/18	1:15	LA	431754
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	1:15	LA	431754
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	1:15	LA	431754
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	1:15	LA	431754
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**93.2**		%	05/18/18	1:15	LA	431754
DCBP (S)	SW8081B		38 - 135		**97.7**		%	05/18/18	1:15	LA	431754

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-32-2'	**Lab Sample ID:**	1805138-013A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 10:46		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 7:57:00PM
Prep Batch ID:	1105098	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
4,4-DDE	SW8081B	1	0.19	2.0	**4.26**		ug/Kg	05/18/18	2:09	LA	431754
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	2:09	LA	431754
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	2:09	LA	431754
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	2:09	LA	431754
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**88.0**		%	05/18/18	2:09	LA	431754
DCBP (S)	SW8081B		38 - 135		**87.0**		%	05/18/18	2:09	LA	431754

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-39-1'	**Lab Sample ID:**	1805138-015A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 10:52		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 7:57:00PM
Prep Batch ID: 1105098 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	2:22	LA	431754
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	2:22	LA	431754
Toxaphene	SW8081B	1	8.5	50	**359**		ug/Kg	05/18/18	2:22	LA	431754
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**63.8**		%	05/18/18	2:22	LA	431754
DCBP (S)	SW8081B		38 - 135		**58.6**		%	05/18/18	2:22	LA	431754

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 7:57:00PM
Prep Batch ID: 1105098 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	10	1.9	20	**274**		ug/Kg	05/18/18	10:54	LA	431754

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-39-2'	**Lab Sample ID:**	1805138-016A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 10:53		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 7:57:00PM
Prep Batch ID:	1105098	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	2:36	LA	431754
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	2:36	LA	431754
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	2:36	LA	431754
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**86.2**		%	05/18/18	2:36	LA	431754
DCBP (S)	SW8081B		38 - 135		**90.1**		%	05/18/18	2:36	LA	431754

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-45-1'	**Lab Sample ID:**	1805138-018A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 11:01		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 7:57:00PM
Prep Batch ID:	1105098	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
4,4-DDE	SW8081B	1	0.19	2.0	**6.40**		ug/Kg	05/18/18	2:49	LA	431754
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	2:49	LA	431754
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	2:49	LA	431754
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	2:49	LA	431754
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**101**		%	05/18/18	2:49	LA	431754
DCBP (S)	SW8081B		38 - 135		**115**		%	05/18/18	2:49	LA	431754

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/18/18

Client Sample ID:	GP-45-2'	**Lab Sample ID:**	1805138-019A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 11:02		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 7:57:00PM
Prep Batch ID:	1105098	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
4,4-DDE	SW8081B	1	0.19	2.0	**4.36**		ug/Kg	05/18/18	3:03	LA	431754
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	3:03	LA	431754
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	3:03	LA	431754
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	3:03	LA	431754
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**95.8**		%	05/18/18	3:03	LA	431754
DCBP (S)	SW8081B		38 - 135		**96.0**		%	05/18/18	3:03	LA	431754

MB Summary Report

Work Order:	1805138	**Prep Method:**	3546_OCP	**Prep Date:**	05/17/18	**Prep Batch:**	1105098
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/17/2018	**Analytical Batch:**	431754
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
alpha-BHC	0.13	2.0	ND	
gamma-BHC (Lindane)	0.16	2.0	ND	
beta-BHC	0.32	2.0	ND	
delta-BHC	0.16	2.0	ND	
Heptachlor	0.11	2.0	ND	
Aldrin	0.20	2.0	ND	
Heptachlor Epoxide	0.078	2.0	ND	
gamma-Chlordane	0.16	2.0	ND	
alpha-Chlordane	0.17	2.0	ND	
4,4-DDE	0.19	2.0	ND	
Endosulfan I	0.18	2.0	ND	
Dieldrin	0.15	2.0	ND	
Endrin	0.19	2.0	ND	
4,4-DDD	0.57	2.0	ND	
Endosulfan II	0.58	2.0	ND	
4,4-DDT	0.13	2.0	ND	
Endrin Aldehyde	0.15	2.0	ND	
Methoxychlor	0.20	2.0	ND	
Endosulfan Sulfate	0.12	2.0	ND	
Endrin Ketone	0.094	2.0	ND	
Chlordane	2.1	20	ND	
Toxaphene	8.5	50	ND	
TCMX (S)			96.9	
DCBP (S)			89.2	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1805138	**Prep Method:**	3546_OCP	**Prep Date:**	05/17/18	**Prep Batch:**	1105098
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/17/2018	**Analytical Batch:**	431754
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.16	2.0	ND	40	98.0	95.3	2.85	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	95.3	94.9	0.263	40 - 130	30	
Aldrin	0.20	2.0	ND	40	97.7	96.2	1.55	25 - 140	30	
Dieldrin	0.15	2.0	ND	40	93.9	91.5	2.70	60 - 130	30	
Endrin	0.19	2.0	ND	40	95.1	91.8	3.48	55 - 135	30	
4,4-DDT	0.13	2.0	ND	40	97.1	94.5	2.61	45 - 140	30	
TCMX (S)				100	90.5	88.9		48 - 125		
DCBP (S)				100	83.9	82.7		38 - 135		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1805138	**Prep Method:**	3546_OCP	**Prep Date:**	05/17/18	**Prep Batch:**	1105098
Matrix:	**Soil**	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/18/2018	**Analytical Batch:**	431754
Spiked Sample:	1805138-010A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.159	2.00	ND	40	93.0	98.2	5.49	25 - 135	30	
Heptachlor	0.105	2.00	ND	40	94.2	98.5	4.41	40 - 130	30	
Aldrin	0.195	2.00	ND	40	93.8	98.9	5.45	25 - 140	30	
Dieldrin	0.148	2.00	ND	40	88.7	93.5	5.21	60 - 130	30	
Endrin	0.188	2.00	ND	40	84.5	89.2	5.47	55 - 135	30	
4,4-DDT	0.129	2.00	ND	40	92.5	98.6	6.28	45 - 140	30	
TCMX (S)				100	85.6	90.3		48 - 125		
DCBP (S)				100	82.5	83.9		38 - 135		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Project Name: Sobrato

Work Order No.: 1805138

Date and Time Received: 5/15/2018 12:40:00PM

Received By: Helena Ueng

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: FedEx SameDay

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	8.0	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: N/A

pH Adjusted by: N/A

Comments:

Login Summary Report

Client ID:	TL5123	Engeo (San Ramon)	**QC Level:**	II
Project Name:	Sobrato		**TAT Requested:**	3 Day Std:3
Project # :	12165.000.002		**Date Received:**	5/15/2018
Report Due Date:	5/18/2018		**Time Received:**	12:40 pm

Comments:

Work Order # : ***1805138***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1805138-001A	GP-28-2'	05/14/18 10:01	Soil	11/10/18				
							Pest_S_8081OCP	
1805138-002A	GP-28-3'	05/14/18 10:02	Soil	11/10/18				
							Hold Samples	
1805138-003A	GP-29-1'	05/14/18 10:10	Soil	11/10/18				
							Pest_S_8081OCP	
1805138-004A	GP-29-2'	05/14/18 10:11	Soil	11/10/18				
							Pest_S_8081OCP	
1805138-005A	GP-29-3'	05/14/18 10:12	Soil	11/10/18				
							Hold Samples	
1805138-006A	GP-30-1'	05/14/18 10:20	Soil	11/10/18				
							Pest_S_8081OCP	
1805138-007A	GP-30-2'	05/14/18 10:21	Soil	11/10/18				
							Pest_S_8081OCP	
1805138-008A	GP-30-3'	05/14/18 10:22	Soil	11/10/18				
							Hold Samples	
1805138-009A	GP-31-1'	05/14/18 10:30	Soil	11/10/18				
							Pest_S_8081OCP	
1805138-010A	GP-31-2'	05/14/18 10:31	Soil	11/10/18				
							Pest_S_8081OCP	
1805138-011A	GP-31-3'	05/14/18 10:32	Soil	11/10/18				
							Hold Samples	
1805138-012A	GP-32-1'	05/14/18 10:45	Soil	11/10/18				
							Pest_S_8081OCP	
1805138-013A	GP-32-2'	05/14/18 10:46	Soil	11/10/18				
							Pest_S_8081OCP	
1805138-014A	GP-32-3'	05/14/18 10:47	Soil	11/10/18				
							Hold Samples	
1805138-015A	GP-39-1'	05/14/18 10:52	Soil	11/10/18				
							Pest_S_8081OCP	
1805138-016A	GP-39-2'	05/14/18 10:53	Soil	11/10/18				
							Pest_S_8081OCP	
1805138-017A	GP-39-3'	05/14/18 10:54	Soil	11/10/18				
							Hold Samples	
1805138-018A	GP-45-1'	05/14/18 11:01	Soil	11/10/18				
							Pest_S_8081OCP	
1805138-019A	GP-45-2'	05/14/18 11:02	Soil	11/10/18				
							Pest_S_8081OCP	

Torrent LABORATORY, INC.

1805138

CHAIN OF CUSTODY RECORD

PROJECT NUMBER: 12165.000.002
PROJECT NAME: SOBRATO
SAMPLED BY: (SIGNATURE/PRINT) Stephen Fallon
PROJECT MANAGER: (SIGNATURE/PRINT) Divya
ROUTING: E-MAIL sfallon@engeo.com HARD COPY

SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	OCPs (8081)	REMARKS REQUIRED DETECTION LIMITS
GP-28-2'	5/14/18	10:01	SOIL	1	SLEEVE	4°C	X	-001A
GP-28-3'		10:02						HOLD -002
GP-29-1'		10:10						-003A
GP-29-2'		10:11						-004A
GP-29-3'		10:12						HOLD -005A
GP-30-1'		10:20						-006A
GP-30-2'		10:21						-007A
GP-30-3'		10:22						HOLD -008A
GP-31-1'		10:30						-009A
GP-31-2'		10:31						-010A
GP-31-3'		10:32						HOLD -011A
GP-32-1'		10:45						-012A
GP-32-2'		10:46						-013A
GP-32-3'		10:47						HOLD -014A
GP-39-1'		10:52						-015A
GP-39-2'		10:53						-016A
GP-39-3'		10:54						HOLD -017A
GP-45-1'		11:01						-018A
GP-45-2'		11:02						-019A

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/14/18 16:20			5/15/18 11:00	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/15/18 12:40	5/15/18 1240			
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS - Standard Turnaround	

ENGEO INCORPORATED
2010 CROW CANYON PLACE SUITE 250
SAN RAMON, CALIFORNIA 94583
(925) 866-9000 FAX (925) 866-0199
WWW.ENGEO.COM

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT; COPY TO PROJECT FIELD FILES

FED EX Cooler

8°C #2

Engeo (San Ramon)
2010 Crow Canyon Place,#250
San Ramon, California 94583
Tel: (925) 866-9000
Fax: (925) 866-0199

RE: Sobrato

Work Order No.: 1805139

Dear Stephen Fallon:

Torrent Laboratory, Inc. received 19 sample(s) on May 15, 2018 for the analyses presented in the following Report.

As requested on the Chain of Custody, seven samples were placed on hold.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Belinda Vega
Vice President of Operations

May 21, 2018
Date

Date: 5/21/2018

Client: Engeo (San Ramon)

Project: Sobrato

Work Order: 1805139

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/15/18
Date Reported: 05/21/18

GP-44-1' 1805139-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	8.53	ug/Kg

GP-44-2' 1805139-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

GP-48-1' 1805139-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Heptachlor Epoxide	SW8081B	1	0.078	2.0	2.27	ug/Kg
Dieldrin	SW8081B	1	0.15	2.0	3.44	ug/Kg
4,4-DDD	SW8081B	1	0.57	2.0	5.78	ug/Kg
4,4-DDT	SW8081B	1	0.13	2.0	18.1	ug/Kg
Toxaphene	SW8081B	1	8.5	50	239	ug/Kg
4,4-DDE	SW8081B	5	0.97	10	136	ug/Kg

GP-48-2' 1805139-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

GP-47-1' 1805139-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
beta-BHC	SW8081B	3	0.95	6.0	1.36	ug/Kg
delta-BHC	SW8081B	3	0.47	6.0	1.04	ug/Kg
4,4-DDD	SW8081B	3	1.7	6.0	7.04	ug/Kg
4,4-DDT	SW8081B	3	0.39	6.0	3.41	ug/Kg
Toxaphene	SW8081B	3	26	150	300	ug/Kg
4,4-DDE	SW8081B	5	0.97	10	199	ug/Kg

GP-47-2' 1805139-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/15/18
Date Reported: 05/21/18

GP-43-1' 1805139-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Dieldrin	SW8081B	1	0.15	2.0	4.52	ug/Kg
4,4-DDD	SW8081B	1	0.57	2.0	5.89	ug/Kg
4,4-DDT	SW8081B	1	0.13	2.0	6.33	ug/Kg
Toxaphene	SW8081B	1	8.5	50	376	ug/Kg
4,4-DDE	SW8081B	10	1.9	20	225	ug/Kg

GP-43-2' 1805139-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	15.9	ug/Kg

GP-42-1' 1805139-014

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	18.8	ug/Kg

GP-42-2' 1805139-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	2.24	ug/Kg

GP-36-1' 1805139-017

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	17.9	ug/Kg

GP-36-2' 1805139-018

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-44-1'	**Lab Sample ID:**	1805139-002A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 11:10		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105105	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
4,4-DDE	SW8081B	1	0.19	2.0	**8.53**		ug/Kg	05/18/18	14:22	LA	431800
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	14:22	LA	431800
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	14:22	LA	431800
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	14:22	LA	431800
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**81.9**		%	05/18/18	14:22	LA	431800
DCBP (S)	SW8081B		38 - 135		**78.7**		%	05/18/18	14:22	LA	431800

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-44-2'	**Lab Sample ID:**	1805139-003A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 11:11		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 9:45:00AM
Prep Batch ID:	1105105	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	14:36	LA	431800
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	14:36	LA	431800
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	14:36	LA	431800
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**83.3**		%	05/18/18	14:36	LA	431800
DCBP (S)	SW8081B		38 - 135		**98.1**		%	05/18/18	14:36	LA	431800

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-48-1'	**Lab Sample ID:**	1805139-005A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 11:20		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:45:00AM
Prep Batch ID: 1105105 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/21/18	16:18	LA	431800
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	16:18	LA	431800
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/21/18	16:18	LA	431800
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	16:18	LA	431800
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/21/18	16:18	LA	431800
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	16:18	LA	431800
Heptachlor Epoxide	SW8081B	1	0.078	2.0	**2.27**		ug/Kg	05/21/18	16:18	LA	431800
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	16:18	LA	431800
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/21/18	16:18	LA	431800
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/21/18	16:18	LA	431800
Dieldrin	SW8081B	1	0.15	2.0	**3.44**		ug/Kg	05/21/18	16:18	LA	431800
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/21/18	16:18	LA	431800
4,4-DDD	SW8081B	1	0.57	2.0	**5.78**		ug/Kg	05/21/18	16:18	LA	431800
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/21/18	16:18	LA	431800
4,4-DDT	SW8081B	1	0.13	2.0	**18.1**		ug/Kg	05/21/18	16:18	LA	431800
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	16:18	LA	431800
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	16:18	LA	431800
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/21/18	16:18	LA	431800
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/21/18	16:18	LA	431800
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/21/18	16:18	LA	431800
Toxaphene	SW8081B	1	8.5	50	**239**		ug/Kg	05/21/18	16:18	LA	431800
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**75.1**		%	05/21/18	16:18	LA	431800
DCBP (S)	SW8081B		38 - 135		**76.4**		%	05/21/18	16:18	LA	431800

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:45:00AM
Prep Batch ID: 1105105 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	5	0.97	10	**136**		ug/Kg	05/21/18	16:45	LA	431800

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-48-2'	**Lab Sample ID:**	1805139-006A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 11:21		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 9:45:00AM
Prep Batch ID:	1105105	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	15:03	LA	431800
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	15:03	LA	431800
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	15:03	LA	431800
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**79.3**		%	05/18/18	15:03	LA	431800
DCBP (S)	SW8081B		38 - 135		**79.3**		%	05/18/18	15:03	LA	431800

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-47-1'	**Lab Sample ID:**	1805139-008A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 12:25		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:45:00AM
Prep Batch ID: 1105105 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	05/18/18	15:16	LA	431800
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	05/18/18	15:16	LA	431800
beta-BHC	SW8081B	3	0.95	6.0	**1.36**	J	ug/Kg	05/18/18	15:16	LA	431800
delta-BHC	SW8081B	3	0.47	6.0	**1.04**	J	ug/Kg	05/18/18	15:16	LA	431800
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	05/18/18	15:16	LA	431800
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	05/18/18	15:16	LA	431800
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	05/18/18	15:16	LA	431800
gamma-Chlordane	SW8081B	3	0.49	6.0	ND		ug/Kg	05/18/18	15:16	LA	431800
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	05/18/18	15:16	LA	431800
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	05/18/18	15:16	LA	431800
Dieldrin	SW8081B	3	0.44	6.0	ND		ug/Kg	05/18/18	15:16	LA	431800
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	05/18/18	15:16	LA	431800
4,4-DDD	SW8081B	3	1.7	6.0	**7.04**		ug/Kg	05/18/18	15:16	LA	431800
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	05/18/18	15:16	LA	431800
4,4-DDT	SW8081B	3	0.39	6.0	**3.41**	J	ug/Kg	05/18/18	15:16	LA	431800
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	05/18/18	15:16	LA	431800
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	05/18/18	15:16	LA	431800
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	05/18/18	15:16	LA	431800
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	05/18/18	15:16	LA	431800
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	05/18/18	15:16	LA	431800
Toxaphene	SW8081B	3	26	150	**300**		ug/Kg	05/18/18	15:16	LA	431800
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**84.9**		%	05/18/18	15:16	LA	431800
DCBP (S)	SW8081B		38 - 135		**79.2**		%	05/18/18	15:16	LA	431800

NOTE: Sample diluted due to nature of the matrix (yellow extract)

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:45:00AM
Prep Batch ID: 1105105 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	5	0.97	10	**199**		ug/Kg	05/20/18	16:30	LA	431800

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-47-2'	**Lab Sample ID:**	1805139-009A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 12:26		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 9:45:00AM
Prep Batch ID:	1105105	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	15:30	LA	431800
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	15:30	LA	431800
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	15:30	LA	431800
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**81.2**		%	05/18/18	15:30	LA	431800
DCBP (S)	SW8081B		38 - 135		**76.8**		%	05/18/18	15:30	LA	431800

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-43-1'	**Lab Sample ID:**	1805139-011A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 12:35		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:45:00AM
Prep Batch ID: 1105105 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	15:43	LA	431800
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	15:43	LA	431800
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	15:43	LA	431800
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	15:43	LA	431800
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	15:43	LA	431800
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	15:43	LA	431800
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	15:43	LA	431800
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	15:43	LA	431800
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	15:43	LA	431800
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	15:43	LA	431800
Dieldrin	SW8081B	1	0.15	2.0	**4.52**		ug/Kg	05/18/18	15:43	LA	431800
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	15:43	LA	431800
4,4-DDD	SW8081B	1	0.57	2.0	**5.89**		ug/Kg	05/18/18	15:43	LA	431800
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	15:43	LA	431800
4,4-DDT	SW8081B	1	0.13	2.0	**6.33**		ug/Kg	05/18/18	15:43	LA	431800
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	15:43	LA	431800
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	15:43	LA	431800
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	15:43	LA	431800
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	15:43	LA	431800
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	15:43	LA	431800
Toxaphene	SW8081B	1	8.5	50	**376**		ug/Kg	05/18/18	15:43	LA	431800
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**79.8**		%	05/18/18	15:43	LA	431800
DCBP (S)	SW8081B		38 - 135		**71.7**		%	05/18/18	15:43	LA	431800

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:45:00AM
Prep Batch ID: 1105105 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	10	1.9	20	**225**		ug/Kg	05/20/18	16:43	LA	431800

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-43-2'	**Lab Sample ID:**	1805139-012A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 12:36		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 9:45:00AM
Prep Batch ID:	1105105	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
4,4-DDE	SW8081B	1	0.19	2.0	**15.9**		ug/Kg	05/18/18	15:57	LA	431800
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	15:57	LA	431800
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	15:57	LA	431800
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	15:57	LA	431800
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**82.8**		%	05/18/18	15:57	LA	431800
DCBP (S)	SW8081B		38 - 135		**99.4**		%	05/18/18	15:57	LA	431800

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-42-1'	**Lab Sample ID:**	1805139-014A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 12:45		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105105	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
4,4-DDE	SW8081B	1	0.19	2.0	**18.8**		ug/Kg	05/18/18	16:11	LA	431800
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	16:11	LA	431800
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	16:11	LA	431800
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	16:11	LA	431800
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**79.2**		%	05/18/18	16:11	LA	431800
DCBP (S)	SW8081B		38 - 135		**98.4**		%	05/18/18	16:11	LA	431800

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-42-2'	**Lab Sample ID:**	1805139-015A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 12:46		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105105	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
4,4-DDE	SW8081B	1	0.19	2.0	**2.24**		ug/Kg	05/18/18	16:24	LA	431800
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	16:24	LA	431800
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	16:24	LA	431800
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	16:24	LA	431800
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**77.2**		%	05/18/18	16:24	LA	431800
DCBP (S)	SW8081B		38 - 135		**87.2**		%	05/18/18	16:24	LA	431800

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-36-1'	**Lab Sample ID:**	1805139-017A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 13:00		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:45:00AM
Prep Batch ID:	1105105	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
4,4-DDE	SW8081B	1	0.19	2.0	**17.9**		ug/Kg	05/18/18	18:52	LA	431800
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	18:52	LA	431800
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	18:52	LA	431800
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	18:52	LA	431800
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**85.3**		%	05/18/18	18:52	LA	431800
DCBP (S)	SW8081B		38 - 135		**123**		%	05/18/18	18:52	LA	431800

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-36-2'	**Lab Sample ID:**	1805139-018A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 13:01		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 9:45:00AM
Prep Batch ID:	1105105	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	19:06	LA	431800
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	19:06	LA	431800
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	19:06	LA	431800
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**86.6**		%	05/18/18	19:06	LA	431800
DCBP (S)	SW8081B		38 - 135		**105**		%	05/18/18	19:06	LA	431800

MB Summary Report

Work Order:	1805139	**Prep Method:**	3546_OCP	**Prep Date:**	05/17/18	**Prep Batch:**	1105105
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/18/2018	**Analytical Batch:**	431800
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
alpha-BHC	0.13	2.0	ND	
gamma-BHC (Lindane)	0.16	2.0	ND	
beta-BHC	0.32	2.0	ND	
delta-BHC	0.16	2.0	ND	
Heptachlor	0.11	2.0	ND	
Aldrin	0.20	2.0	ND	
Heptachlor Epoxide	0.078	2.0	ND	
gamma-Chlordane	0.16	2.0	ND	
alpha-Chlordane	0.17	2.0	ND	
4,4-DDE	0.19	2.0	ND	
Endosulfan I	0.18	2.0	ND	
Dieldrin	0.15	2.0	ND	
Endrin	0.19	2.0	ND	
4,4-DDD	0.57	2.0	ND	
Endosulfan II	0.58	2.0	ND	
4,4-DDT	0.13	2.0	ND	
Endrin Aldehyde	0.15	2.0	ND	
Methoxychlor	0.20	2.0	ND	
Endosulfan Sulfate	0.12	2.0	ND	
Endrin Ketone	0.094	2.0	ND	
Chlordane	2.1	20	ND	
Toxaphene	8.5	50	ND	
TCMX (S)			94.3	
DCBP (S)			84.3	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1805139	**Prep Method:**	3546_OCP	**Prep Date:**	05/17/18	**Prep Batch:**	1105105
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/18/2018	**Analytical Batch:**	431800
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.16	2.0	ND	40	104	104	0.000	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	101	99.4	1.00	40 - 130	30	
Aldrin	0.20	2.0	ND	40	101	102	0.000	25 - 140	30	
Dieldrin	0.15	2.0	ND	40	98.5	98.6	0.000	60 - 130	30	
Endrin	0.19	2.0	ND	40	102	102	0.000	55 - 135	30	
4,4-DDT	0.13	2.0	ND	40	103	103	0.000	45 - 140	30	
TCMX (S)				100	94.1	95.0		48 - 125		
DCBP (S)				100	85.4	86.6		38 - 135		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1805139	**Prep Method:**	3546_OCP	**Prep Date:**	05/17/18	**Prep Batch:**	1105105
Matrix:	**Soil**	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/18/2018	**Analytical Batch:**	431800
Spiked Sample:	1805139-008A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.477	6.00	ND	40	97.8	98.3	0.766	25 - 135	30	
Heptachlor	0.315	6.00	ND	40	95.8	98.0	2.32	40 - 130	30	
Aldrin	0.585	6.00	ND	40	96.6	97.2	0.772	25 - 140	30	
Dieldrin	0.444	6.00	ND	40	90.6	93.8	3.25	60 - 130	30	
Endrin	0.564	6.00	ND	40	87.9	95.6	8.98	55 - 135	30	
4,4-DDT	0.387	6.00	ND	40	118	117	0.593	45 - 140	30	
TCMX (S)				100	88.1	88.5		48 - 125		
DCBP (S)				100	82.6	81.9		38 - 135		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Project Name: Sobrato

Work Order No.: 1805139

Date and Time Received: 5/15/2018 12:40:00PM

Received By: Helena Ueng

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: FedEx SameDay

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	8.0	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: N/A

pH Adjusted by: N/A

Comments:

Login Summary Report

Client ID:	TL5123	Engeo (San Ramon)	**QC Level:**	II
Project Name:	Sobrato		**TAT Requested:**	3 Day Std:3
Project # :	12165.000.002		**Date Received:**	5/15/2018
Report Due Date:	5/18/2018		**Time Received:**	12:40 pm

Comments:

Work Order # : ***1805139***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1805139-001A	GP-45-3'	05/14/18 11:03	Soil	11/10/18				
							Hold Samples	
1805139-002A	GP-44-1'	05/14/18 11:10	Soil	11/10/18				
							Pest_S_8081OCP	
1805139-003A	GP-44-2'	05/14/18 11:11	Soil	11/10/18				
							Pest_S_8081OCP	
1805139-004A	GP-44-3'	05/14/18 11:12	Soil	11/10/18				
							Hold Samples	
1805139-005A	GP-48-1'	05/14/18 11:20	Soil	11/10/18				
							Pest_S_8081OCP	
1805139-006A	GP-48-2'	05/14/18 11:21	Soil	11/10/18				
							Pest_S_8081OCP	
1805139-007A	GP-48-3'	05/14/18 11:22	Soil	11/10/18				
							Hold Samples	
1805139-008A	GP-47-1'	05/14/18 12:25	Soil	11/10/18				
							Pest_S_8081OCP	
1805139-009A	GP-47-2'	05/14/18 12:26	Soil	11/10/18				
							Pest_S_8081OCP	
1805139-010A	GP-47-3'	05/14/18 12:27	Soil	11/10/18				
							Hold Samples	
1805139-011A	GP-43-1'	05/14/18 12:35	Soil	11/10/18				
							Pest_S_8081OCP	
1805139-012A	GP-43-2'	05/14/18 12:36	Soil	11/10/18				
							Pest_S_8081OCP	
1805139-013A	GP-43-3'	05/14/18 12:37	Soil	11/10/18				
							Hold Samples	
1805139-014A	GP-42-1'	05/14/18 12:45	Soil	11/10/18				
							Pest_S_8081OCP	
1805139-015A	GP-42-2'	05/14/18 12:46	Soil	11/10/18				
							Pest_S_8081OCP	
1805139-016A	GP-42-3'	05/14/18 12:47	Soil	11/10/18				
							Hold Samples	
1805139-017A	GP-36-1'	05/14/18 13:00	Soil	11/10/18				
							Pest_S_8081OCP	
1805139-018A	GP-36-2'	05/14/18 13:01	Soil	11/10/18				
							Pest_S_8081OCP	
1805139-019A	GP-36-3'	05/14/18 13:02	Soil	11/10/18				
							Hold Samples	

Torrent LABORATORY, INC.

1805139

CHAIN OF CUSTODY RECORD

PROJECT NUMBER: 12165.000.002
PROJECT NAME: SOBRATO
SAMPLED BY: (SIGNATURE/PRINT) Stephen Fallon
PROJECT MANAGER: (SIGNATURE/PRINT) Divya
ROUTING: E-MAIL sfallon@engeo.com HARD COPY

SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	OCPs (8081)	REMARKS REQUIRED DETECTION LIMITS	
GP-45-3'	5/14/18	11:03	SOIL	1	SLEEVES	4°C	X	HOLD	-001A
GP-44-1'		11:10							-002A
GP-44-2'		11:11							-003A
GP-44-3'		11:12						HOLD	-004A
GP-48-1'		11:20							-005A
GP-48-2'		11:21							-006A
GP-48-3'		11:22						HOLD	-007A
GP-47-1'		12:25							-008A
GP-47-2'		12:26							-009A
GP-47-3'		12:27						HOLD	-010A
GP-43-1'		12:35							-011A
GP-43-2'		12:36							-012A
GP-43-3'		12:37						HOLD	-013A
GP-42-1'		12:45							-014A
GP-42-2'		12:46							-015A
GP-42-3'		12:47						HOLD	-016A
GP-36-1'		13:00							-017A
GP-36-2'		13:01							-018A
GP-36-3'		13:02						HOLD	-019A

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/14/18 16:20			5/15/18 11:00	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/15/18 1240	5/15/18 1240 PM			
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS - Standard Turnaround	

ENGEO INCORPORATED
2010 CROW CANYON PLACE SUITE 250
SAN RAMON, CALIFORNIA 94583
(925) 866-9000 FAX (925) 866-0199
WWW.ENGEO.COM

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT; COPY TO PROJECT FIELD FILES

Fed Ex Cuty

SOC #2

Engeo (San Ramon)
2010 Crow Canyon Place,#250
San Ramon, California 94583
Tel: (925) 866-9000
Fax: (925) 866-0199

RE: Sobrato

Work Order No.: 1805141

Dear Stephen Fallon:

Torrent Laboratory, Inc. received 18 sample(s) on May 15, 2018 for the analyses presented in the following Report.

As requested on the Chain of Custody, six samples were placed on hold.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Belinda Vega
Vice President of Operations

May 21, 2018
Date

Date: 5/21/2018

Client: Engeo (San Ramon)

Project: Sobrato

Work Order: 1805141

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/15/18
Date Reported: 05/21/18

GP-37-1' 1805141-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

GP-37-2' 1805141-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	2.53	ug/Kg

GP-38-1' 1805141-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDT	SW8081B	1	0.13	2.0	10.8	ug/Kg
Toxaphene	SW8081B	1	8.5	50	168	ug/Kg
4,4-DDE	SW8081B	3	0.58	6.0	67.8	ug/Kg

GP-38-2' 1805141-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

GP-27-1' 1805141-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDT	SW8081B	1	0.13	2.0	8.79	ug/Kg
Toxaphene	SW8081B	1	8.5	50	192	ug/Kg
4,4-DDE	SW8081B	10	1.9	20	127	ug/Kg

GP-27-2' 1805141-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

GP-26-1' 1805141-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDT	SW8081B	1	0.13	2.0	25.6	ug/Kg
Toxaphene	SW8081B	1	8.5	50	365	ug/Kg
4,4-DDE	SW8081B	10	1.9	20	238	ug/Kg

GP-26-2' 1805141-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDT	SW8081B	1	0.13	2.0	6.86	ug/Kg
Toxaphene	SW8081B	1	8.5	50	157	ug/Kg
4,4-DDE	SW8081B	4	0.78	8.0	95.4	ug/Kg

Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/15/18
Date Reported: 05/21/18

GP-25-1' 1805141-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDD	SW8081B	1	0.57	2.0	5.97	ug/Kg
4,4-DDT	SW8081B	1	0.13	2.0	58.5	ug/Kg
Toxaphene	SW8081B	1	8.5	50	691	ug/Kg
4,4-DDE	SW8081B	20	3.9	40	627	ug/Kg

GP-25-2' 1805141-014

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

GP-24-1' 1805141-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDD	SW8081B	1	0.57	2.0	5.14	ug/Kg
4,4-DDT	SW8081B	1	0.13	2.0	54.5	ug/Kg
Toxaphene	SW8081B	1	8.5	50	869	ug/Kg
4,4-DDE	SW8081B	30	5.8	60	548	ug/Kg

GP-24-2' 1805141-017

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	2.48	ug/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-37-1'	**Lab Sample ID:**	1805141-001A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 13:05		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 9:34:00AM
Prep Batch ID:	1105096	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/17/18	20:28	LA	431782
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/17/18	20:28	LA	431782
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/17/18	20:28	LA	431782
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**82.3**		%	05/17/18	20:28	LA	431782
DCBP (S)	SW8081B		38 - 135		**75.9**		%	05/17/18	20:28	LA	431782

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-37-2'	**Lab Sample ID:**	1805141-002A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 13:06		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 9:34:00AM
Prep Batch ID:	1105096	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
4,4-DDE	SW8081B	1	0.19	2.0	**2.53**		ug/Kg	05/18/18	11:07	LA	431796
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	11:07	LA	431796
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	11:07	LA	431796
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	11:07	LA	431796
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**91.4**		%	05/18/18	11:07	LA	431796
DCBP (S)	SW8081B		38 - 135		**107**		%	05/18/18	11:07	LA	431796

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-38-1'	**Lab Sample ID:**	1805141-004A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 13:15		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:34:00AM
Prep Batch ID: 1105096 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
4,4-DDT	SW8081B	1	0.13	2.0	**10.8**		ug/Kg	05/20/18	11:20	LA	431797
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/20/18	11:20	LA	431797
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/20/18	11:20	LA	431797
Toxaphene	SW8081B	1	8.5	50	**168**		ug/Kg	05/20/18	11:20	LA	431797
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**107**		%	05/20/18	11:20	LA	431797
DCBP (S)	SW8081B		38 - 135		**96.6**		%	05/20/18	11:20	LA	431797

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:34:00AM
Prep Batch ID: 1105096 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	3	0.58	6.0	**67.8**		ug/Kg	05/20/18	12:54	LA	431797

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-38-2'	**Lab Sample ID:**	1805141-005A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 13:16		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 9:34:00AM
Prep Batch ID:	1105096	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/17/18	21:45	LA	431782
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/17/18	21:45	LA	431782
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/17/18	21:45	LA	431782
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**82.6**		%	05/17/18	21:45	LA	431782
DCBP (S)	SW8081B		38 - 135		**76.1**		%	05/17/18	21:45	LA	431782

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-27-1'	**Lab Sample ID:**	1805141-007A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 13:25		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:34:00AM
Prep Batch ID: 1105096 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
4,4-DDT	SW8081B	1	0.13	2.0	**8.79**		ug/Kg	05/18/18	11:21	LA	431796
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	11:21	LA	431796
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	11:21	LA	431796
Toxaphene	SW8081B	1	8.5	50	**192**		ug/Kg	05/18/18	11:21	LA	431796
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**83.8**		%	05/18/18	11:21	LA	431796
DCBP (S)	SW8081B		38 - 135		**75.8**		%	05/18/18	11:21	LA	431796

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:34:00AM
Prep Batch ID: 1105096 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	10	1.9	20	**127**		ug/Kg	05/20/18	12:14	LA	431797

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-27-2'	**Lab Sample ID:**	1805141-008A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 13:26		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 9:34:00AM
Prep Batch ID:	1105096	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	0:06	LA	431782
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	0:06	LA	431782
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	0:06	LA	431782
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**83.0**		%	05/18/18	0:06	LA	431782
DCBP (S)	SW8081B		38 - 135		**76.5**		%	05/18/18	0:06	LA	431782

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-26-1'	**Lab Sample ID:**	1805141-010A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 13:35		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:34:00AM
Prep Batch ID: 1105096 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
4,4-DDT	SW8081B	1	0.13	2.0	**25.6**		ug/Kg	05/18/18	11:34	LA	431796
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	11:34	LA	431796
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	11:34	LA	431796
Toxaphene	SW8081B	1	8.5	50	**365**		ug/Kg	05/18/18	11:34	LA	431796
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**86.0**		%	05/18/18	11:34	LA	431796
DCBP (S)	SW8081B		38 - 135		**76.2**		%	05/18/18	11:34	LA	431796

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:34:00AM
Prep Batch ID: 1105096 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	10	1.9	20	**238**		ug/Kg	05/18/18	12:21	LA	431796

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-26-2'	**Lab Sample ID:**	1805141-011A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 13:36		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:34:00AM
Prep Batch ID: 1105096 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
4,4-DDT	SW8081B	1	0.13	2.0	**6.86**		ug/Kg	05/20/18	11:34	LA	431797
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/20/18	11:34	LA	431797
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/20/18	11:34	LA	431797
Toxaphene	SW8081B	1	8.5	50	**157**		ug/Kg	05/20/18	11:34	LA	431797
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**92.9**		%	05/20/18	11:34	LA	431797
DCBP (S)	SW8081B		38 - 135		**84.2**		%	05/20/18	11:34	LA	431797

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:34:00AM
Prep Batch ID: 1105096 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	4	0.78	8.0	**95.4**		ug/Kg	05/20/18	13:08	LA	431797

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-25-1'	**Lab Sample ID:**	1805141-013A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 13:42		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:34:00AM
Prep Batch ID: 1105096 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	11:49	LA	431796
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	11:49	LA	431796
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	11:49	LA	431796
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	11:49	LA	431796
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	11:49	LA	431796
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	11:49	LA	431796
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	11:49	LA	431796
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	11:49	LA	431796
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	11:49	LA	431796
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	11:49	LA	431796
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	11:49	LA	431796
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	11:49	LA	431796
4,4-DDD	SW8081B	1	0.57	2.0	**5.97**		ug/Kg	05/18/18	11:49	LA	431796
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	11:49	LA	431796
4,4-DDT	SW8081B	1	0.13	2.0	**58.5**		ug/Kg	05/18/18	11:49	LA	431796
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	11:49	LA	431796
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	11:49	LA	431796
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	11:49	LA	431796
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	11:49	LA	431796
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	11:49	LA	431796
Toxaphene	SW8081B	1	8.5	50	**691**		ug/Kg	05/18/18	11:49	LA	431796
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**78.9**		%	05/18/18	11:49	LA	431796
DCBP (S)	SW8081B		38 - 135		**71.0**		%	05/18/18	11:49	LA	431796

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:34:00AM
Prep Batch ID: 1105096 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	20	3.9	40	**627**		ug/Kg	05/18/18	12:35	LA	431796

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-25-2'	**Lab Sample ID:**	1805141-014A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 13:43		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18	9:34:00AM
Prep Batch ID:	1105096	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	0:58	LA	431782
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	0:58	LA	431782
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	0:58	LA	431782
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**82.8**		%	05/18/18	0:58	LA	431782
DCBP (S)	SW8081B		38 - 135		**74.5**		%	05/18/18	0:58	LA	431782

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-24-1'	**Lab Sample ID:**	1805141-016A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 13:50		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:34:00AM
Prep Batch ID: 1105096 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	12:03	LA	431796
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	12:03	LA	431796
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	12:03	LA	431796
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	12:03	LA	431796
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	12:03	LA	431796
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	12:03	LA	431796
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	12:03	LA	431796
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	12:03	LA	431796
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	12:03	LA	431796
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	12:03	LA	431796
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	12:03	LA	431796
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	12:03	LA	431796
4,4-DDD	SW8081B	1	0.57	2.0	**5.14**		ug/Kg	05/18/18	12:03	LA	431796
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	12:03	LA	431796
4,4-DDT	SW8081B	1	0.13	2.0	**54.5**		ug/Kg	05/18/18	12:03	LA	431796
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	12:03	LA	431796
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	12:03	LA	431796
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	12:03	LA	431796
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	12:03	LA	431796
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	12:03	LA	431796
Toxaphene	SW8081B	1	8.5	50	**869**		ug/Kg	05/18/18	12:03	LA	431796
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**80.6**		%	05/18/18	12:03	LA	431796
DCBP (S)	SW8081B		38 - 135		**71.9**		%	05/18/18	12:03	LA	431796

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/17/18 9:34:00AM
Prep Batch ID: 1105096 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	30	5.8	60	**548**		ug/Kg	05/18/18	12:48	LA	431796

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/15/18, 12:40 pm
Date Reported: 05/21/18

Client Sample ID:	GP-24-2'	**Lab Sample ID:**	1805141-017A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/14/18 / 13:51		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/17/18 9:34:00AM
Prep Batch ID:	1105096	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
4,4-DDE	SW8081B	1	0.19	2.0	**2.48**		ug/Kg	05/18/18	1:24	LA	431782
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	1:24	LA	431782
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	1:24	LA	431782
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	1:24	LA	431782
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**76.8**		%	05/18/18	1:24	LA	431782
DCBP (S)	SW8081B		38 - 135		**70.8**		%	05/18/18	1:24	LA	431782

MB Summary Report

Work Order:	1805141	**Prep Method:**	3546_OCP	**Prep Date:**	05/17/18	**Prep Batch:**	1105096
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/17/2018	**Analytical Batch:**	431782
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
alpha-BHC	0.13	2.0	ND	
gamma-BHC (Lindane)	0.16	2.0	ND	
beta-BHC	0.32	2.0	ND	
delta-BHC	0.16	2.0	ND	
Heptachlor	0.11	2.0	ND	
Aldrin	0.20	2.0	ND	
Heptachlor Epoxide	0.078	2.0	ND	
gamma-Chlordane	0.16	2.0	ND	
alpha-Chlordane	0.17	2.0	ND	
4,4-DDE	0.19	2.0	ND	
Endosulfan I	0.18	2.0	ND	
Dieldrin	0.15	2.0	ND	
Endrin	0.19	2.0	ND	
4,4-DDD	0.57	2.0	ND	
Endosulfan II	0.58	2.0	ND	
4,4-DDT	0.13	2.0	ND	
Endrin Aldehyde	0.15	2.0	ND	
Methoxychlor	0.20	2.0	ND	
Endosulfan Sulfate	0.12	2.0	ND	
Endrin Ketone	0.094	2.0	ND	
Chlordane	2.1	20	ND	
Toxaphene	8.5	50	ND	
TCMX (S)			92.9	
DCBP (S)			85.9	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1805141	**Prep Method:**	3546_OCP	**Prep Date:**	05/17/18	**Prep Batch:**	1105096
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/17/2018	**Analytical Batch:**	431782
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.16	2.0	ND	40	111	105	5.54	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	111	109	1.59	40 - 130	30	
Aldrin	0.20	2.0	ND	40	107	105	1.42	25 - 140	30	
Dieldrin	0.15	2.0	ND	40	105	102	2.88	60 - 130	30	
Endrin	0.19	2.0	ND	40	109	106	2.10	55 - 135	30	
4,4-DDT	0.13	2.0	ND	40	113	109	2.93	45 - 140	30	
TCMX (S)				100	96.0	92.1		48 - 125		
DCBP (S)				100	89.0	84.7		38 - 135		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1805141	**Prep Method:**	3546_OCP	**Prep Date:**	05/17/18	**Prep Batch:**	1105096
Matrix:	**Soil**	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/18/2018	**Analytical Batch:**	431782
Spiked Sample:	1805141-001A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.159	2.00	ND	40	103	89.9	13.5	25 - 135	30	
Heptachlor	0.105	2.00	ND	40	111	97.4	12.7	40 - 130	30	
Aldrin	0.195	2.00	ND	40	105	88.4	17.3	25 - 140	30	
Dieldrin	0.148	2.00	ND	40	108	85.2	23.8	60 - 130	30	
Endrin	0.188	2.00	ND	40	105	95.8	8.98	55 - 135	30	
4,4-DDT	0.129	2.00	ND	40	125	98.8	23.7	45 - 140	30	
TCMX (S)				100	100	81.0		48 - 125		
DCBP (S)				100	93.5	74.3		38 - 135		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Project Name: Sobrato

Work Order No.: 1805141

Date and Time Received: 5/15/2018 12:40:00PM

Received By: Helena Ueng

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: FedEx SameDay

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	8.0	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: N/A

pH Adjusted by: N/A

Comments:

Login Summary Report

Client ID:	TL5123	Engeo (San Ramon)	**QC Level:**	II
Project Name:	Sobrato		**TAT Requested:**	3 Day Std:3
Project # :	12165.000.002		**Date Received:**	5/15/2018
Report Due Date:	5/18/2018		**Time Received:**	12:40 pm

Comments:

Work Order # : ***1805141***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1805141-001A	GP-37-1'	05/14/18 13:05	Soil	11/10/18				
							Pest_S_8081OCP	
1805141-002A	GP-37-2'	05/14/18 13:06	Soil	11/10/18				
							Pest_S_8081OCP	
1805141-003A	GP-37-3'	05/14/18 13:07	Soil	11/10/18				
							Hold Samples	
1805141-004A	GP-38-1'	05/14/18 13:15	Soil	11/10/18				
							Pest_S_8081OCP	
1805141-005A	GP-38-2'	05/14/18 13:16	Soil	11/10/18				
							Pest_S_8081OCP	
1805141-006A	GP-38-3'	05/14/18 13:17	Soil	11/10/18				
							Hold Samples	
1805141-007A	GP-27-1'	05/14/18 13:25	Soil	11/10/18				
							Pest_S_8081OCP	
1805141-008A	GP-27-2'	05/14/18 13:26	Soil	11/10/18				
							Pest_S_8081OCP	
1805141-009A	GP-27-3'	05/14/18 13:27	Soil	11/10/18				
							Hold Samples	
1805141-010A	GP-26-1'	05/14/18 13:35	Soil	11/10/18				
							Pest_S_8081OCP	
1805141-011A	GP-26-2'	05/14/18 13:36	Soil	11/10/18				
							Pest_S_8081OCP	
1805141-012A	GP-26-3'	05/14/18 13:37	Soil	11/10/18				
							Hold Samples	
1805141-013A	GP-25-1'	05/14/18 13:42	Soil	11/10/18				
							Pest_S_8081OCP	
1805141-014A	GP-25-2'	05/14/18 13:43	Soil	11/10/18				
							Pest_S_8081OCP	
1805141-015A	GP-25-3'	05/14/18 13:44	Soil	11/10/18				
							Hold Samples	
1805141-016A	GP-24-1'	05/14/18 13:50	Soil	11/10/18				
							Pest_S_8081OCP	
1805141-017A	GP-24-2'	05/14/18 13:51	Soil	11/10/18				
							Pest_S_8081OCP	
1805141-018A	GP-24-3'	05/14/18 13:52	Soil	11/10/18				
							Hold Samples	

Torrent LABORATORY, INC.

~~40~~ HM 5/15/18
~~1805137~~ HM 5/15/18
1805141

CHAIN OF CUSTODY RECORD

PROJECT NUMBER: 12165.000.002
PROJECT NAME: SOBRATO
SAMPLED BY: (SIGNATURE/PRINT) Stephen Fallon
PROJECT MANAGER: (SIGNATURE/PRINT) Divya
ROUTING: E-MAIL sfallon@engeo.com HARD COPY

	SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	OCPs (8081)	REMARKS REQUIRED DETECTION LIMITS
001A	GP-37-1'	5/14/18	13:05	SOIL	1	SLEEVES	4°C	X	
002A	GP-37-2'		13:06						
003A	GP-37-3'		13:07						HOLD
004A	GP-38-1'		13:15						
005A	GP-38-2'		13:16						
006A	GP-38-3'		13:17						HOLD
007A	GP-27-1'		13:25						
008A	GP-27-2'		13:26						
009A	GP-27-3'		13:27						HOLD
010A	GP-26-1'		13:35						
011A	GP-26-2'		13:36						
012A	GP-26-3'		13:37						HOLD
013A	GP-25-1'		13:42						
014A	GP-~~25-2'~~ 25-2'		13:43						
015A	GP-~~25-3'~~ 25-3'		13:44						HOLD
016A	GP-24-1'		13:50						
017A	GP-24-2'		13:51						
018A	GP-24-3'		13:52						HOLD

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/14/18 16:20			5/15/18 11:00	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/15/18 12:40pm	5/15/18 12:40pm			
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS	
				• Standard Turnaround	

ENGEO INCORPORATED
2010 CROW CANYON PLACE SUITE 250
SAN RAMON, CALIFORNIA 94583
(925) 866-9000 FAX (925) 866-0199
WWW.ENGEO.COM

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT; COPY TO PROJECT FIELD FILES

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Engeo (San Ramon)
2010 Crow Canyon Place,#250
San Ramon, California 94583
Tel: (925) 866-9000
Fax: (925) 866-0199

RE: Sobrato

Work Order No.: 1805157

Dear Stephen Fallon:

Torrent Laboratory, Inc. received 19 sample(s) on May 16, 2018 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991 If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Patti L Sandrock
QA Officer

May 21, 2018
Date

Date: 5/21/2018

Client: Engeo (San Ramon)

Project: Sobrato

Work Order: 1805157

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

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Analytical Comments for method Pest_S_8081OCP, 1805157-016A MS/MSD, QC Analytical Preparation ID 1105149, Note:The % recoveries for 4,4-DDT are outside of laboratory control limits likely due to sever sample heterogeniety (homogenization would involve air drying, grinding and sieving and is available upon request). The associated LCS/LCSD is within both % Recovery and %RPD limits.

Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/16/18
Date Reported: 05/21/18

GP-20-1' 1805157-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Heptachlor Epoxide	SW8081B	1	0.078	2.0	5.06	ug/Kg
Dieldrin	SW8081B	1	0.15	2.0	8.53	ug/Kg
Toxaphene	SW8081B	1	8.5	50	918	ug/Kg
4,4-DDE	SW8081B	20	3.9	40	493	ug/Kg

GP-20-2' 1805157-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	4.36	ug/Kg

GP-21-1' 1805157-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Dieldrin	SW8081B	1	0.15	2.0	9.04	ug/Kg
4,4-DDD	SW8081B	1	0.57	2.0	12.7	ug/Kg
Toxaphene	SW8081B	1	8.5	50	781	ug/Kg
4,4-DDE	SW8081B	30	5.8	60	871	ug/Kg
4,4-DDT	SW8081B	30	3.9	60	97.2	ug/Kg

GP-21-2' 1805157-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	2.94	ug/Kg

GP-22-1' 1805157-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDT	SW8081B	1	0.13	2.0	11.9	ug/Kg
Toxaphene	SW8081B	1	8.5	50	265	ug/Kg
4,4-DDE	SW8081B	5	0.97	10	167	ug/Kg

GP-22-2' 1805157-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	3.84	ug/Kg

Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/16/18
Date Reported: 05/21/18

GP-23-1' 1805157-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Dieldrin	SW8081B	1	0.15	2.0	3.52	ug/Kg
4,4-DDT	SW8081B	1	0.13	2.0	44.0	ug/Kg
Toxaphene	SW8081B	1	8.5	50	357	ug/Kg
4,4-DDE	SW8081B	10	1.9	20	335	ug/Kg

GP-23-2' 1805157-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	3.37	ug/Kg

GP-19-1' 1805157-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Toxaphene	SW8081B	1	8.5	50	332	ug/Kg
4,4-DDE	SW8081B	4	0.78	8.0	115	ug/Kg

GP-19-2' 1805157-014

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
beta-BHC	SW8081B	1	0.32	2.0	2.20	ug/Kg
4,4-DDE	SW8081B	1	0.19	2.0	2.64	ug/Kg

GP-18-1' 1805157-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	18.4	ug/Kg
4,4-DDT	SW8081B	1	0.13	2.0	3.07	ug/Kg

GP-18-2' 1805157-017

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

GP-17-1' 1805157-019

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
gamma-Chlordane	SW8081B	1	0.16	2.0	7.10	ug/Kg
Dieldrin	SW8081B	1	0.15	2.0	10.3	ug/Kg
4,4-DDD	SW8081B	1	0.57	2.0	9.55	ug/Kg
Toxaphene	SW8081B	1	8.5	50	898	ug/Kg
4,4-DDE	SW8081B	10	1.9	20	371	ug/Kg
4,4-DDT	SW8081B	10	1.3	20	216	ug/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-20-1'	**Lab Sample ID:**	1805157-001A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 9:40		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18	10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	20:13	LA	431798
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	20:13	LA	431798
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	20:13	LA	431798
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	20:13	LA	431798
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	20:13	LA	431798
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	20:13	LA	431798
Heptachlor Epoxide	SW8081B	1	0.078	2.0	**5.06**		ug/Kg	05/18/18	20:13	LA	431798
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	20:13	LA	431798
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	20:13	LA	431798
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	20:13	LA	431798
Dieldrin	SW8081B	1	0.15	2.0	**8.53**		ug/Kg	05/18/18	20:13	LA	431798
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	20:13	LA	431798
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	20:13	LA	431798
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	20:13	LA	431798
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	20:13	LA	431798
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	20:13	LA	431798
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	20:13	LA	431798
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	20:13	LA	431798
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	20:13	LA	431798
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	20:13	LA	431798
Toxaphene	SW8081B	1	8.5	50	**918**		ug/Kg	05/18/18	20:13	LA	431798
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**80.3**		%	05/18/18	20:13	LA	431798
DCBP (S)	SW8081B		38 - 135		**71.8**		%	05/18/18	20:13	LA	431798

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-20-1'	**Lab Sample ID:**	1805157-001A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 9:40		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18	10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	20	3.9	40	**493**		ug/Kg	05/20/18	16:57	LA	431802

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-20-2'	**Lab Sample ID:**	1805157-002A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 9:41		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18 10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
4,4-DDE	SW8081B	1	0.19	2.0	**4.36**		ug/Kg	05/18/18	20:59	LA	431798
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	20:59	LA	431798
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	20:59	LA	431798
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	20:59	LA	431798
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**87.8**		%	05/18/18	20:59	LA	431798
DCBP (S)	SW8081B		38 - 135		**81.3**		%	05/18/18	20:59	LA	431798

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-21-1'	**Lab Sample ID:**	1805157-004A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 9:56		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18	10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	21:13	LA	431798
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	21:13	LA	431798
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	21:13	LA	431798
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	21:13	LA	431798
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	21:13	LA	431798
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	21:13	LA	431798
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	21:13	LA	431798
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	21:13	LA	431798
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	21:13	LA	431798
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	21:13	LA	431798
Dieldrin	SW8081B	1	0.15	2.0	**9.04**		ug/Kg	05/18/18	21:13	LA	431798
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	21:13	LA	431798
4,4-DDD	SW8081B	1	0.57	2.0	**12.7**		ug/Kg	05/18/18	21:13	LA	431798
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	21:13	LA	431798
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	21:13	LA	431798
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	21:13	LA	431798
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	21:13	LA	431798
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	21:13	LA	431798
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	21:13	LA	431798
Toxaphene	SW8081B	1	8.5	50	**781**		ug/Kg	05/18/18	21:13	LA	431798
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**81.8**		%	05/18/18	21:13	LA	431798
DCBP (S)	SW8081B		38 - 135		**76.3**		%	05/18/18	21:13	LA	431798

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-21-1'	**Lab Sample ID:**	1805157-004A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 9:56		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18	10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	30	5.8	60	**871**		ug/Kg	05/20/18	17:10	LA	431802
4,4-DDT	SW8081B	30	3.9	60	**97.2**		ug/Kg	05/20/18	17:10	LA	431802

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-21-2'	**Lab Sample ID:**	1805157-005A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 9:57		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18	10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
4,4-DDE	SW8081B	1	0.19	2.0	**2.94**		ug/Kg	05/18/18	21:26	LA	431798
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	21:26	LA	431798
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	21:26	LA	431798
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	21:26	LA	431798
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**75.3**		%	05/18/18	21:26	LA	431798
DCBP (S)	SW8081B		38 - 135		**68.7**		%	05/18/18	21:26	LA	431798

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-22-1'	**Lab Sample ID:**	1805157-007A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:05		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18 10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
4,4-DDT	SW8081B	1	0.13	2.0	**11.9**		ug/Kg	05/18/18	21:40	LA	431798
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	21:40	LA	431798
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	21:40	LA	431798
Toxaphene	SW8081B	1	8.5	50	**265**		ug/Kg	05/18/18	21:40	LA	431798
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**77.9**		%	05/18/18	21:40	LA	431798
DCBP (S)	SW8081B		38 - 135		**70.1**		%	05/18/18	21:40	LA	431798

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-22-1'	**Lab Sample ID:**	1805157-007A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:05		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18	10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	5	0.97	10	**167**		ug/Kg	05/20/18	17:24	LA	431802

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-22-2'	**Lab Sample ID:**	1805157-008A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:06		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18 10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
4,4-DDE	SW8081B	1	0.19	2.0	**3.84**		ug/Kg	05/18/18	21:53	LA	431798
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	21:53	LA	431798
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	21:53	LA	431798
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	21:53	LA	431798
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**78.0**		%	05/18/18	21:53	LA	431798
DCBP (S)	SW8081B		38 - 135		**74.2**		%	05/18/18	21:53	LA	431798

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-23-1'	**Lab Sample ID:**	1805157-010A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:11		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18 10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	22:07	LA	431798
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	22:07	LA	431798
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	22:07	LA	431798
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	22:07	LA	431798
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	22:07	LA	431798
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	22:07	LA	431798
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	22:07	LA	431798
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	22:07	LA	431798
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	22:07	LA	431798
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	22:07	LA	431798
Dieldrin	SW8081B	1	0.15	2.0	**3.52**		ug/Kg	05/18/18	22:07	LA	431798
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	22:07	LA	431798
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	22:07	LA	431798
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	22:07	LA	431798
4,4-DDT	SW8081B	1	0.13	2.0	**44.0**		ug/Kg	05/18/18	22:07	LA	431798
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	22:07	LA	431798
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	22:07	LA	431798
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	22:07	LA	431798
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	22:07	LA	431798
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	22:07	LA	431798
Toxaphene	SW8081B	1	8.5	50	**357**		ug/Kg	05/18/18	22:07	LA	431798
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**83.1**		%	05/18/18	22:07	LA	431798
DCBP (S)	SW8081B		38 - 135		**75.7**		%	05/18/18	22:07	LA	431798

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-23-1'	**Lab Sample ID:**	1805157-010A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:11		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18	10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	10	1.9	20	**335**		ug/Kg	05/20/18	17:37	LA	431802

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-23-2'	**Lab Sample ID:**	1805157-011A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:12		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18 10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
4,4-DDE	SW8081B	1	0.19	2.0	**3.37**		ug/Kg	05/18/18	22:20	LA	431798
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	22:20	LA	431798
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	22:20	LA	431798
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	22:20	LA	431798
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**83.4**		%	05/18/18	22:20	LA	431798
DCBP (S)	SW8081B		38 - 135		**85.5**		%	05/18/18	22:20	LA	431798

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-19-1'	**Lab Sample ID:**	1805157-013A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:20		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18 10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	22:34	LA	431798
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	22:34	LA	431798
Toxaphene	SW8081B	1	8.5	50	**332**		ug/Kg	05/18/18	22:34	LA	431798
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**79.0**		%	05/18/18	22:34	LA	431798
DCBP (S)	SW8081B		38 - 135		**71.7**		%	05/18/18	22:34	LA	431798

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-19-1'	**Lab Sample ID:**	1805157-013A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:20		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18	10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	4	0.78	8.0	**115**		ug/Kg	05/20/18	17:51	LA	431802

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-19-2'	**Lab Sample ID:**	1805157-014A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:21		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18 10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
beta-BHC	SW8081B	1	0.32	2.0	**2.20**		ug/Kg	05/18/18	22:47	LA	431798
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
4,4-DDE	SW8081B	1	0.19	2.0	**2.64**		ug/Kg	05/18/18	22:47	LA	431798
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	22:47	LA	431798
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	22:47	LA	431798
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	22:47	LA	431798
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**77.8**		%	05/18/18	22:47	LA	431798
DCBP (S)	SW8081B		38 - 135		**77.6**		%	05/18/18	22:47	LA	431798

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-18-1'	**Lab Sample ID:**	1805157-016A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:28		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18 10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
4,4-DDE	SW8081B	1	0.19	2.0	**18.4**		ug/Kg	05/18/18	23:28	LA	431798
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
4,4-DDT	SW8081B	1	0.13	2.0	**3.07**		ug/Kg	05/18/18	23:28	LA	431798
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	23:28	LA	431798
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	23:28	LA	431798
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	23:28	LA	431798
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**75.1**		%	05/18/18	23:28	LA	431798
DCBP (S)	SW8081B		38 - 135		**70.4**		%	05/18/18	23:28	LA	431798

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-18-2'	**Lab Sample ID:**	1805157-017A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:29		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18 10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	23:41	LA	431798
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	23:41	LA	431798
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/18/18	23:41	LA	431798
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**81.5**		%	05/18/18	23:41	LA	431798
DCBP (S)	SW8081B		38 - 135		**75.9**		%	05/18/18	23:41	LA	431798

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-17-1'	**Lab Sample ID:**	1805157-019A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:35		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18	10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/18/18	23:55	LA	431798
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	23:55	LA	431798
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/18/18	23:55	LA	431798
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/18/18	23:55	LA	431798
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/18/18	23:55	LA	431798
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	23:55	LA	431798
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/18/18	23:55	LA	431798
gamma-Chlordane	SW8081B	1	0.16	2.0	**7.10**		ug/Kg	05/18/18	23:55	LA	431798
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/18/18	23:55	LA	431798
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/18/18	23:55	LA	431798
Dieldrin	SW8081B	1	0.15	2.0	**10.3**		ug/Kg	05/18/18	23:55	LA	431798
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/18/18	23:55	LA	431798
4,4-DDD	SW8081B	1	0.57	2.0	**9.55**		ug/Kg	05/18/18	23:55	LA	431798
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/18/18	23:55	LA	431798
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/18/18	23:55	LA	431798
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/18/18	23:55	LA	431798
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/18/18	23:55	LA	431798
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/18/18	23:55	LA	431798
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/18/18	23:55	LA	431798
Toxaphene	SW8081B	1	8.5	50	**898**		ug/Kg	05/18/18	23:55	LA	431798
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**79.3**		%	05/18/18	23:55	LA	431798
DCBP (S)	SW8081B		38 - 135		**76.4**		%	05/18/18	23:55	LA	431798

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-17-1'	**Lab Sample ID:**	1805157-019A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:35		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/18/18	10:14:00AM
Prep Batch ID:	1105149	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	10	1.9	20	**371**		ug/Kg	05/20/18	18:04	LA	431802
4,4-DDT	SW8081B	10	1.3	20	**216**		ug/Kg	05/20/18	18:04	LA	431802

MB Summary Report

Work Order:	1805157	**Prep Method:**	3546_OCP	**Prep Date:**	05/18/18	**Prep Batch:**	1105149
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/20/2018	**Analytical Batch:**	431802
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
alpha-BHC	0.13	2.0	ND	
gamma-BHC (Lindane)	0.16	2.0	ND	
beta-BHC	0.32	2.0	ND	
delta-BHC	0.16	2.0	ND	
Heptachlor	0.11	2.0	ND	
Aldrin	0.20	2.0	ND	
Heptachlor Epoxide	0.078	2.0	ND	
gamma-Chlordane	0.16	2.0	ND	
alpha-Chlordane	0.17	2.0	ND	
4,4-DDE	0.19	2.0	ND	
Endosulfan I	0.18	2.0	ND	
Dieldrin	0.15	2.0	ND	
Endrin	0.19	2.0	ND	
4,4-DDD	0.57	2.0	ND	
Endosulfan II	0.58	2.0	ND	
4,4-DDT	0.13	2.0	ND	
Endrin Aldehyde	0.15	2.0	ND	
Methoxychlor	0.20	2.0	ND	
Endosulfan Sulfate	0.12	2.0	ND	
Endrin Ketone	0.094	2.0	ND	
Chlordane	2.1	20	ND	
Toxaphene	8.5	50	ND	
TCMX (S)			77.6	
DCBP (S)			78.1	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1805157	**Prep Method:**	3546_OCP	**Prep Date:**	05/18/18	**Prep Batch:**	1105149
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/20/2018	**Analytical Batch:**	431802
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.16	2.0	ND	40	106	108	2.10	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	103	106	1.91	40 - 130	30	
Aldrin	0.20	2.0	ND	40	104	107	2.62	25 - 140	30	
Dieldrin	0.15	2.0	ND	40	101	104	3.17	60 - 130	30	
Endrin	0.19	2.0	ND	40	103	109	6.13	55 - 135	30	
4,4-DDT	0.13	2.0	ND	40	102	106	4.81	45 - 140	30	
TCMX (S)				100	84.0	85.3		48 - 125		
DCBP (S)				100	84.4	84.3		38 - 135		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1805157	**Prep Method:**	3546_OCP	**Prep Date:**	05/18/18	**Prep Batch:**	1105149
Matrix:	**Soil**	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/19/2018	**Analytical Batch:**	431798
Spiked Sample:	1805157-016A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.159	2.00	ND	40	87.5	87.5	0.000	25 - 135	30	
Heptachlor	0.105	2.00	ND	40	87.0	86.0	1.16	40 - 130	30	
Aldrin	0.195	2.00	ND	40	84.9	84.8	0.295	25 - 140	30	
Dieldrin	0.148	2.00	ND	40	81.4	83.7	2.72	60 - 130	30	
Endrin	0.188	2.00	ND	40	83.7	102	19.7	55 - 135	30	
4,4-DDT	0.129	2.00	3.07	40	124	533	122	45 - 140	30	S,R
TCMX (S)				100	80.0	79.8		48 - 125		
DCBP (S)				100	72.4	73.2		38 - 135		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Project Name: Sobrato

Work Order No.: 1805157

Date and Time Received: 5/16/2018 12:46:00PM

Received By: HU

Physically Logged By: Nutan Kabir

Checklist Completed By: Nutan Kabir

Carrier Name: FedEx

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	4.0	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: na

pH Adjusted by: na

Comments:

Login Summary Report

Client ID:	TL5123	Engeo (San Ramon)	**QC Level:**	II
Project Name:	Sobrato		**TAT Requested:**	3 Day Std:3
Project # :	12165.000.002		**Date Received:**	5/16/2018
Report Due Date:	5/21/2018		**Time Received:**	12:46 pm

Comments:

Work Order # : ***1805157***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1805157-001A	GP-20-1'	05/15/18 9:40	Soil	11/11/18				
							Pest_S_8081OCP	
1805157-002A	GP-20-2'	05/15/18 9:41	Soil	11/11/18				
							Pest_S_8081OCP	
1805157-003A	GP-20-3'	05/15/18 9:42	Soil	11/11/18				
							Hold Samples	
1805157-004A	GP-21-1'	05/15/18 9:56	Soil	11/11/18				
							Pest_S_8081OCP	
1805157-005A	GP-21-2'	05/15/18 9:57	Soil	11/11/18				
							Pest_S_8081OCP	
1805157-006A	GP-21-3'	05/15/18 9:58	Soil	11/11/18				
							Hold Samples	
1805157-007A	GP-22-1'	05/15/18 10:05	Soil	11/11/18				
							Pest_S_8081OCP	
1805157-008A	GP-22-2'	05/15/18 10:06	Soil	11/11/18				
							Pest_S_8081OCP	
1805157-009A	GP-22-3'	05/15/18 10:07	Soil	11/11/18				
							Hold Samples	
1805157-010A	GP-23-1'	05/15/18 10:11	Soil	11/11/18				
							Pest_S_8081OCP	
1805157-011A	GP-23-2'	05/15/18 10:12	Soil	11/11/18				
							Pest_S_8081OCP	
1805157-012A	GP-23-3'	05/15/18 10:13	Soil	11/11/18				
							Hold Samples	
1805157-013A	GP-19-1'	05/15/18 10:20	Soil	11/11/18				
							Pest_S_8081OCP	
1805157-014A	GP-19-2'	05/15/18 10:21	Soil	11/11/18				
							Pest_S_8081OCP	
1805157-015A	GP-19-3'	05/15/18 10:22	Soil	11/11/18				
							Hold Samples	
1805157-016A	GP-18-1'	05/15/18 10:28	Soil	11/11/18				
							Pest_S_8081OCP	
1805157-017A	GP-18-2'	05/15/18 10:29	Soil	11/11/18				
							Pest_S_8081OCP	
1805157-018A	GP-18-3'	05/15/18 10:30	Soil	11/11/18				
							Hold Samples	
1805157-019A	GP-17-1'	05/15/18 10:35	Soil	11/11/18				

Login Summary Report

Client ID:	TL5123	Engeo (San Ramon)	**QC Level:**	II
Project Name:	Sobrato		**TAT Requested:**	3 Day Std:3
Project # :	12165.000.002		**Date Received:**	5/16/2018
Report Due Date:	5/21/2018		**Time Received:**	12:46 pm

Comments:

Work Order # : ***1805157***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
							Pest_S_8081OCP	

Torrent LABORATORY, INC.

CHAIN OF CUSTODY RECORD

1805157

PROJECT NUMBER: 12165.000.002
PROJECT NAME: SOBRATO
SAMPLED BY: (SIGNATURE/PRINT) Stephen Fallon
PROJECT MANAGER: (SIGNATURE/PRINT) Divya
ROUTING: E-MAIL sfallon@engeo.com HARD COPY

SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	OCPs (8081)	REMARKS REQUIRED DETECTION LIMITS
001A GP-20-1'	5/15/18	09:40	SOIL	1	SLEEVE	4°C	X	
002A GP-20-2'		09:41						
003A GP-20-3'		09:42						HOLD
004A GP-21-1'		09:56						
005A GP-21-2'		09:57						
006A GP-21-3'		09:58						HOLD
007A GP-22-1'		10:05						
008A GP-22-2'		10:06						
009A GP-22-3'		10:07						HOLD
010A GP-23-1'		10:11						
011A GP-23-2'		10:12						
012A GP-23-3'		10:13						HOLD
013A GP-19-1'		10:20						
014A GP-19-2'		10:21						
015A GP-19-3'		10:22						HOLD
016A GP-18-1'		10:28						
017A GP-18-2'		10:29						
018A GP-18-3'		10:30						HOLD
019A GP-17-1'		10:35						

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/15/18 17:00			5/16/18 11:45	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/16/18 12:46				
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS - Standard Turnaround	

ENGEO INCORPORATED
2010 CROW CANYON PLACE SUITE 250
SAN RAMON, CALIFORNIA 94583
(925) 866-9000 FAX (925) 866-0199
WWW.ENGEO.COM

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT; COPY TO PROJECT FIELD FILES

FedEx City Temp=4°C #2

Login Summary

Client ID:	TL5123	Engeo (San Ramon)		
Project Name:	Sobrato		**QC Level:**	II
Project # :	12165.000.002		**TAT Requested:**	3 Day Std:3
Report Due Date:	5/21/2018		**Date Received:**	5/16/2018
			Time Received:	12:46 pm

Comments:

Work Order # : ***1805157***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1805157-001A	GP-20-1'	05/15/18 9:40	Soil	11/11/18			Pest_S_8081OCP	
1805157-002A	GP-20-2'	05/15/18 9:41	Soil	11/11/18			Pest_S_8081OCP	
1805157-003A	GP-20-3'	05/15/18 9:42	Soil	11/11/18			Hold Samples	
1805157-004A	GP-21-1'	05/15/18 9:56	Soil	11/11/18			Pest_S_8081OCP	
1805157-005A	GP-21-2'	05/15/18 9:57	Soil	11/11/18			Pest_S_8081OCP	
1805157-006A	GP-21-3'	05/15/18 9:58	Soil	11/11/18			Hold Samples	
1805157-007A	GP-22-1'	05/15/18 10:05	Soil	11/11/18			Pest_S_8081OCP	
1805157-008A	GP-22-2'	05/15/18 10:06	Soil	11/11/18			Pest_S_8081OCP	
1805157-009A	GP-22-3'	05/15/18 10:07	Soil	11/11/18			Hold Samples	
1805157-010A	GP-23-1'	05/15/18 10:11	Soil	11/11/18			Pest_S_8081OCP	
1805157-011A	GP-23-2'	05/15/18 10:12	Soil	11/11/18			Pest_S_8081OCP	
1805157-012A	GP-23-3'	05/15/18 10:13	Soil	11/11/18			Hold Samples	
1805157-013A	GP-19-1'	05/15/18 10:20	Soil	11/11/18			Pest_S_8081OCP	
1805157-014A	GP-19-2'	05/15/18 10:21	Soil	11/11/18			Pest_S_8081OCP	
1805157-015A	GP-19-3'	05/15/18 10:22	Soil	11/11/18			Hold Samples	
1805157-016A	GP-18-1'	05/15/18 10:28	Soil	11/11/18			Pest_S_8081OCP	

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1805157-017A	GP-18-2'	05/15/18	10:29	Soil	11/11/18	Pest_S_8081OCP
1805157-018A	GP-18-3'	05/15/18	10:30	Soil	11/11/18	Hold Samples
1805157-019A	GP-17-1'	05/15/18	10:35	Soil	11/11/18	Pest_S_8081OCP

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CHAIN OF CUSTODY RECORD

1805157

PROJECT NUMBER: 12165.000.002
PROJECT NAME: SOBRATO
SAMPLED BY: (SIGNATURE/PRINT) Stephen Fallon
PROJECT MANAGER: (SIGNATURE/PRINT) Divya
ROUTING: E-MAIL sfallon@engeo.com HARD COPY

	SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	OCPs (8081)	REMARKS REQUIRED DETECTION LIMITS
001A	GP-20-1'	5/15/18	09:40	SOIL	1	SLEEVE	4°C	X	
002A	GP-20-2'		09:41						
003A	GP-20-3'		09:42						HOLD
004A	GP-21-1'		09:56						
005A	GP-21-2'		09:57						
006A	GP-21-3'		09:58						HOLD
007A	GP-22-1'		10:05						
008A	GP-22-2'		10:06						
009A	GP-22-3'		10:07						HOLD
010A	GP-23-1'		10:11						
011A	GP-23-2'		10:12						
012A	GP-23-3'		10:13						HOLD
013A	GP-19-1'		10:20						
014A	GP-19-2'		10:21						
015A	GP-19-3'		10:22						HOLD
016A	GP-18-1'		10:28						
017A	GP-18-2'		10:29						
018A	GP-18-3'		10:30						HOLD
019A	GP-17-1'		10:35						

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/15/18 17:00			5/16/18 11:45	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/16/18 12:46				
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS	
				• Standard Turnaround	

EN GEO
INCORPORATED

2010 CROW CANYON PLACE SUITE 250
SAN RAMON, CALIFORNIA 94583
(925) 866-9000 FAX (925) 866-0199
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FedEx City Temp=4° C#2

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Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Project Name: Sobrato

Work Order No.: 1805157

Date and Time Received: 5/16/2018

Received By: HU

Physically Logged By: Nutan Kabir

Checklist Completed By: Nutan Kabir

Carrier Name: FedEx

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Applicable

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Applicable
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	
Container/Temp Blank temperature in compliance?	Yes	Temperature: 4.0 °C
Water-VOA vials have zero headspace?	No VOA vials submitted	
Water-pH acceptable upon receipt?	N/A	

pH Checked by: na

pH Adjusted by: na

Comments:

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Engeo (San Ramon)
2010 Crow Canyon Place,#250
San Ramon, California 94583
Tel: (925) 866-9000
Fax: (925) 866-0199

RE: Sobrato

Work Order No.: 1805160

Dear Stephen Fallon:

Torrent Laboratory, Inc. received 19 sample(s) on May 16, 2018 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991 If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Patti L Sandrock
QA Officer

May 21, 2018
Date

Date: 5/21/2018

Client: Engeo (San Ramon)

Project: Sobrato

Work Order: 1805160

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/16/18
Date Reported: 05/21/18

GP-17-2' 1805160-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

GP-16-1' 1805160-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDD	SW8081B	3	1.7	6.0	7.16	ug/Kg
Toxaphene	SW8081B	3	26	150	672	ug/Kg
4,4-DDE	SW8081B	10	1.9	20	273	ug/Kg

GP-16-2' 1805160-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	2.15	ug/Kg

GP-12-1' 1805160-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDD	SW8081B	3	1.7	6.0	3.13	ug/Kg
4,4-DDT	SW8081B	3	0.39	6.0	31.9	ug/Kg
Toxaphene	SW8081B	3	26	150	390	ug/Kg
4,4-DDE	SW8081B	10	1.9	20	240	ug/Kg

GP-12-2' 1805160-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
gamma-Chlordane	SW8081B	1	0.16	2.0	2.80	ug/Kg
4,4-DDD	SW8081B	1	0.57	2.0	3.46	ug/Kg
4,4-DDT	SW8081B	1	0.13	2.0	38.4	ug/Kg
Toxaphene	SW8081B	1	8.5	50	480	ug/Kg
4,4-DDE	SW8081B	10	1.9	20	278	ug/Kg

GP-13-1' 1805160-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDD	SW8081B	3	1.7	6.0	4.29	ug/Kg
4,4-DDT	SW8081B	3	0.39	6.0	50.8	ug/Kg
Toxaphene	SW8081B	3	26	150	693	ug/Kg
4,4-DDE	SW8081B	20	3.9	40	486	ug/Kg

GP-13-2' 1805160-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	8.51	ug/Kg

Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/16/18
Date Reported: 05/21/18

GP-14-1' 1805160-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	5.22	ug/Kg

GP-14-2' 1805160-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit

All compounds were non-detectable for this sample.

GP-15-1' 1805160-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDT	SW8081B	3	0.39	6.0	38.8	ug/Kg
Toxaphene	SW8081B	3	26	150	568	ug/Kg
4,4-DDE	SW8081B	10	1.9	20	313	ug/Kg

GP-15-2' 1805160-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	12.0	ug/Kg
Toxaphene	SW8081B	1	8.5	50	50.3	ug/Kg

GP-11-1' 1805160-018

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Dieldrin	SW8081B	3	0.44	6.0	6.17	ug/Kg
4,4-DDT	SW8081B	3	0.39	6.0	50.8	ug/Kg
Toxaphene	SW8081B	3	26	150	663	ug/Kg
4,4-DDE	SW8081B	10	1.9	20	364	ug/Kg

GP-11-2' 1805160-019

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	2.63	ug/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-17-2'	**Lab Sample ID:**	1805160-001A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:36		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18 11:28:00AM
Prep Batch ID:	1105150	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/20/18	20:59	LA	431842
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/20/18	20:59	LA	431842
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/20/18	20:59	LA	431842
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**72.8**		%	05/20/18	20:59	LA	431842
DCBP (S)	SW8081B		38 - 135		**78.0**		%	05/20/18	20:59	LA	431842

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-16-1'	**Lab Sample ID:**	1805160-003A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:43		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/19/18 11:28:00AM
Prep Batch ID: 1105150 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
delta-BHC	SW8081B	3	0.47	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
gamma-Chlordane	SW8081B	3	0.49	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
Dieldrin	SW8081B	3	0.44	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
4,4-DDD	SW8081B	3	1.7	6.0	**7.16**		ug/Kg	05/20/18	21:12	LA	431842
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
4,4-DDT	SW8081B	3	0.39	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	05/20/18	21:12	LA	431842
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	05/20/18	21:12	LA	431842
Toxaphene	SW8081B	3	26	150	**672**		ug/Kg	05/20/18	21:12	LA	431842
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**82.7**		%	05/20/18	21:12	LA	431842
DCBP (S)	SW8081B		38 - 135		**84.8**		%	05/20/18	21:12	LA	431842

NOTE: Sample diluted due to nature of the matrix (yellow extract)

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/19/18 11:28:00AM
Prep Batch ID: 1105150 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	10	1.9	20	**273**		ug/Kg	05/21/18	11:47	LA	431842

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-16-2'	**Lab Sample ID:**	1805160-004A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:44		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18 11:28:00AM
Prep Batch ID:	1105150	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
4,4-DDE	SW8081B	1	0.19	2.0	**2.15**		ug/Kg	05/20/18	21:26	LA	431842
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/20/18	21:26	LA	431842
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/20/18	21:26	LA	431842
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/20/18	21:26	LA	431842
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**75.3**		%	05/20/18	21:26	LA	431842
DCBP (S)	SW8081B		38 - 135		**82.5**		%	05/20/18	21:26	LA	431842

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-12-1'	**Lab Sample ID:**	1805160-006A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:53		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/19/18 11:28:00AM
Prep Batch ID: 1105150 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	05/20/18	21:39	LA	431842
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	05/20/18	21:39	LA	431842
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	05/20/18	21:39	LA	431842
delta-BHC	SW8081B	3	0.47	6.0	ND		ug/Kg	05/20/18	21:39	LA	431842
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	05/20/18	21:39	LA	431842
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	05/20/18	21:39	LA	431842
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	05/20/18	21:39	LA	431842
gamma-Chlordane	SW8081B	3	0.49	6.0	ND		ug/Kg	05/20/18	21:39	LA	431842
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	05/20/18	21:39	LA	431842
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	05/20/18	21:39	LA	431842
Dieldrin	SW8081B	3	0.44	6.0	ND		ug/Kg	05/20/18	21:39	LA	431842
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	05/20/18	21:39	LA	431842
4,4-DDD	SW8081B	3	1.7	6.0	**3.13**	J	ug/Kg	05/20/18	21:39	LA	431842
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	05/20/18	21:39	LA	431842
4,4-DDT	SW8081B	3	0.39	6.0	**31.9**		ug/Kg	05/20/18	21:39	LA	431842
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	05/20/18	21:39	LA	431842
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	05/20/18	21:39	LA	431842
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	05/20/18	21:39	LA	431842
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	05/20/18	21:39	LA	431842
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	05/20/18	21:39	LA	431842
Toxaphene	SW8081B	3	26	150	**390**		ug/Kg	05/20/18	21:39	LA	431842
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**78.0**		%	05/20/18	21:39	LA	431842
DCBP (S)	SW8081B		38 - 135		**80.1**		%	05/20/18	21:39	LA	431842

NOTE: Sample diluted due to nature of the matrix (yellow extract)

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/19/18 11:28:00AM
Prep Batch ID: 1105150 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	10	1.9	20	**240**		ug/Kg	05/21/18	12:00	LA	431842

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-12-2'	**Lab Sample ID:**	1805160-007A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 10:54		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/19/18 11:28:00AM
Prep Batch ID: 1105150 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/20/18	21:53	LA	431842
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	21:53	LA	431842
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/20/18	21:53	LA	431842
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	21:53	LA	431842
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/20/18	21:53	LA	431842
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/20/18	21:53	LA	431842
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/20/18	21:53	LA	431842
gamma-Chlordane	SW8081B	1	0.16	2.0	**2.80**		ug/Kg	05/20/18	21:53	LA	431842
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/20/18	21:53	LA	431842
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/20/18	21:53	LA	431842
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/20/18	21:53	LA	431842
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/20/18	21:53	LA	431842
4,4-DDD	SW8081B	1	0.57	2.0	**3.46**		ug/Kg	05/20/18	21:53	LA	431842
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/20/18	21:53	LA	431842
4,4-DDT	SW8081B	1	0.13	2.0	**38.4**		ug/Kg	05/20/18	21:53	LA	431842
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/20/18	21:53	LA	431842
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/20/18	21:53	LA	431842
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/20/18	21:53	LA	431842
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/20/18	21:53	LA	431842
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/20/18	21:53	LA	431842
Toxaphene	SW8081B	1	8.5	50	**480**		ug/Kg	05/20/18	21:53	LA	431842
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**73.4**		%	05/20/18	21:53	LA	431842
DCBP (S)	SW8081B		38 - 135		**72.8**		%	05/20/18	21:53	LA	431842

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/19/18 11:28:00AM
Prep Batch ID: 1105150 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	10	1.9	20	**278**		ug/Kg	05/21/18	12:14	LA	431842

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-13-1'	**Lab Sample ID:**	1805160-009A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 11:02		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/19/18 11:28:00AM
Prep Batch ID: 1105150 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	05/20/18	22:06	LA	431842
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	05/20/18	22:06	LA	431842
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	05/20/18	22:06	LA	431842
delta-BHC	SW8081B	3	0.47	6.0	ND		ug/Kg	05/20/18	22:06	LA	431842
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	05/20/18	22:06	LA	431842
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	05/20/18	22:06	LA	431842
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	05/20/18	22:06	LA	431842
gamma-Chlordane	SW8081B	3	0.49	6.0	ND		ug/Kg	05/20/18	22:06	LA	431842
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	05/20/18	22:06	LA	431842
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	05/20/18	22:06	LA	431842
Dieldrin	SW8081B	3	0.44	6.0	ND		ug/Kg	05/20/18	22:06	LA	431842
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	05/20/18	22:06	LA	431842
4,4-DDD	SW8081B	3	1.7	6.0	**4.29**	J	ug/Kg	05/20/18	22:06	LA	431842
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	05/20/18	22:06	LA	431842
4,4-DDT	SW8081B	3	0.39	6.0	**50.8**		ug/Kg	05/20/18	22:06	LA	431842
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	05/20/18	22:06	LA	431842
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	05/20/18	22:06	LA	431842
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	05/20/18	22:06	LA	431842
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	05/20/18	22:06	LA	431842
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	05/20/18	22:06	LA	431842
Toxaphene	SW8081B	3	26	150	**693**		ug/Kg	05/20/18	22:06	LA	431842
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**76.4**		%	05/20/18	22:06	LA	431842
DCBP (S)	SW8081B		38 - 135		**81.2**		%	05/20/18	22:06	LA	431842

NOTE: Sample diluted due to nature of the matrix (yellow extract)

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/19/18 11:28:00AM
Prep Batch ID: 1105150 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	20	3.9	40	**486**		ug/Kg	05/21/18	12:27	LA	431842

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-13-2'	**Lab Sample ID:**	1805160-010A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 11:03		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18 11:28:00AM
Prep Batch ID:	1105150	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
4,4-DDE	SW8081B	1	0.19	2.0	**8.51**		ug/Kg	05/20/18	22:20	LA	431842
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/20/18	22:20	LA	431842
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/20/18	22:20	LA	431842
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/20/18	22:20	LA	431842
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**76.2**		%	05/20/18	22:20	LA	431842
DCBP (S)	SW8081B		38 - 135		**81.5**		%	05/20/18	22:20	LA	431842

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-14-1'	**Lab Sample ID:**	1805160-012A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 11:10		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18 11:28:00AM
Prep Batch ID:	1105150	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
4,4-DDE	SW8081B	1	0.19	2.0	**5.22**		ug/Kg	05/20/18	22:33	LA	431842
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/20/18	22:33	LA	431842
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/20/18	22:33	LA	431842
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/20/18	22:33	LA	431842
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**77.7**		%	05/20/18	22:33	LA	431842
DCBP (S)	SW8081B		38 - 135		**91.0**		%	05/20/18	22:33	LA	431842

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-14-2'	**Lab Sample ID:**	1805160-013A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 11:11		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18 11:28:00AM
Prep Batch ID:	1105150	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
4,4-DDE	SW8081B	1	0.19	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/20/18	22:47	LA	431842
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/20/18	22:47	LA	431842
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/20/18	22:47	LA	431842
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**74.8**		%	05/20/18	22:47	LA	431842
DCBP (S)	SW8081B		38 - 135		**80.5**		%	05/20/18	22:47	LA	431842

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-15-1'	**Lab Sample ID:**	1805160-015A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 11:20		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/19/18 11:28:00AM
Prep Batch ID: 1105150 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
delta-BHC	SW8081B	3	0.47	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
gamma-Chlordane	SW8081B	3	0.49	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
Dieldrin	SW8081B	3	0.44	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
4,4-DDD	SW8081B	3	1.7	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
4,4-DDT	SW8081B	3	0.39	6.0	**38.8**		ug/Kg	05/20/18	23:00	LA	431842
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	05/20/18	23:00	LA	431842
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	05/20/18	23:00	LA	431842
Toxaphene	SW8081B	3	26	150	**568**		ug/Kg	05/20/18	23:00	LA	431842
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**80.8**		%	05/20/18	23:00	LA	431842
DCBP (S)	SW8081B		38 - 135		**83.7**		%	05/20/18	23:00	LA	431842

NOTE: Sample diluted due to nature of the matrix (yellow extract)

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/19/18 11:28:00AM
Prep Batch ID: 1105150 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	10	1.9	20	**313**		ug/Kg	05/21/18	12:41	LA	431842

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-15-2'	**Lab Sample ID:**	1805160-016A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 11:21		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18 11:28:00AM
Prep Batch ID:	1105150	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
4,4-DDE	SW8081B	1	0.19	2.0	**12.0**		ug/Kg	05/21/18	0:07	LA	431842
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/21/18	0:07	LA	431842
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/21/18	0:07	LA	431842
Toxaphene	SW8081B	1	8.5	50	**50.3**		ug/Kg	05/21/18	0:07	LA	431842
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**78.2**		%	05/21/18	0:07	LA	431842
DCBP (S)	SW8081B		38 - 135		**78.9**		%	05/21/18	0:07	LA	431842

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-11-1'	**Lab Sample ID:**	1805160-018A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 11:28		
SDG:			

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/19/18 11:28:00AM
Prep Batch ID: 1105150 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	05/21/18	0:21	LA	431842
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	05/21/18	0:21	LA	431842
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	05/21/18	0:21	LA	431842
delta-BHC	SW8081B	3	0.47	6.0	ND		ug/Kg	05/21/18	0:21	LA	431842
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	05/21/18	0:21	LA	431842
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	05/21/18	0:21	LA	431842
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	05/21/18	0:21	LA	431842
gamma-Chlordane	SW8081B	3	0.49	6.0	ND		ug/Kg	05/21/18	0:21	LA	431842
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	05/21/18	0:21	LA	431842
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	05/21/18	0:21	LA	431842
Dieldrin	SW8081B	3	0.44	6.0	**6.17**		ug/Kg	05/21/18	0:21	LA	431842
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	05/21/18	0:21	LA	431842
4,4-DDD	SW8081B	3	1.7	6.0	ND		ug/Kg	05/21/18	0:21	LA	431842
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	05/21/18	0:21	LA	431842
4,4-DDT	SW8081B	3	0.39	6.0	**50.8**		ug/Kg	05/21/18	0:21	LA	431842
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	05/21/18	0:21	LA	431842
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	05/21/18	0:21	LA	431842
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	05/21/18	0:21	LA	431842
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	05/21/18	0:21	LA	431842
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	05/21/18	0:21	LA	431842
Toxaphene	SW8081B	3	26	150	**663**		ug/Kg	05/21/18	0:21	LA	431842
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**78.4**		%	05/21/18	0:21	LA	431842
DCBP (S)	SW8081B		38 - 135		**80.4**		%	05/21/18	0:21	LA	431842

NOTE: Sample diluted due to nature of the matrix (yellow extract)

Prep Method: 3546_OCP **Prep Batch Date/Time:** 5/19/18 11:28:00AM
Prep Batch ID: 1105150 **Prep Analyst:** LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	10	1.9	20	**364**		ug/Kg	05/21/18	12:54	LA	431842

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/21/18

Client Sample ID:	GP-11-2'	**Lab Sample ID:**	1805160-019A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 11:29		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18 11:28:00AM
Prep Batch ID:	1105150	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
4,4-DDE	SW8081B	1	0.19	2.0	**2.63**		ug/Kg	05/21/18	0:34	LA	431842
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/21/18	0:34	LA	431842
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/21/18	0:34	LA	431842
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/21/18	0:34	LA	431842
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**75.3**		%	05/21/18	0:34	LA	431842
DCBP (S)	SW8081B		38 - 135		**80.1**		%	05/21/18	0:34	LA	431842

MB Summary Report

Work Order:	1805160	**Prep Method:**	3546_OCP	**Prep Date:**	05/19/18	**Prep Batch:**	1105150
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/20/2018	**Analytical Batch:**	431842
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
alpha-BHC	0.13	2.0	ND	
gamma-BHC (Lindane)	0.16	2.0	ND	
beta-BHC	0.32	2.0	ND	
delta-BHC	0.16	2.0	ND	
Heptachlor	0.11	2.0	ND	
Aldrin	0.20	2.0	ND	
Heptachlor Epoxide	0.078	2.0	ND	
gamma-Chlordane	0.16	2.0	ND	
alpha-Chlordane	0.17	2.0	ND	
4,4-DDE	0.19	2.0	ND	
Endosulfan I	0.18	2.0	ND	
Dieldrin	0.15	2.0	ND	
Endrin	0.19	2.0	ND	
4,4-DDD	0.57	2.0	ND	
Endosulfan II	0.58	2.0	ND	
4,4-DDT	0.13	2.0	ND	
Endrin Aldehyde	0.15	2.0	ND	
Methoxychlor	0.20	2.0	ND	
Endosulfan Sulfate	0.12	2.0	ND	
Endrin Ketone	0.094	2.0	ND	
Chlordane	2.1	20	ND	
Toxaphene	8.5	50	ND	
TCMX (S)			83.5	
DCBP (S)			83.7	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1805160	**Prep Method:**	3546_OCP	**Prep Date:**	05/19/18	**Prep Batch:**	1105150
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/20/2018	**Analytical Batch:**	431842
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.16	2.0	ND	40	103	109	5.65	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	99.2	106	6.11	40 - 130	30	
Aldrin	0.20	2.0	ND	40	101	107	5.77	25 - 140	30	
Dieldrin	0.15	2.0	ND	40	97.8	104	6.20	60 - 130	30	
Endrin	0.19	2.0	ND	40	99.6	106	6.09	55 - 135	30	
4,4-DDT	0.13	2.0	ND	40	97.2	104	6.47	45 - 140	30	
TCMX (S)				100	81.8	86.2		48 - 125		
DCBP (S)				100	82.0	86.9		38 - 135		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Project Name: Sobrato

Work Order No.: 1805160

Date and Time Received: 5/16/2018 12:46:00PM

Received By: Helena Ueng

Physically Logged By: Nutan Kabir

Checklist Completed By: Nutan Kabir

Carrier Name: FedEx

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Present
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	4.0	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: N/A

pH Adjusted by: N/A

Comments:

Login Summary Report

Client ID:	TL5123	Engeo (San Ramon)	**QC Level:**	II
Project Name:	Sobrato		**TAT Requested:**	3 Day Std:3
Project # :	12165.000.002		**Date Received:**	5/16/2018
Report Due Date:	5/21/2018		**Time Received:**	12:46 pm

Comments:

Work Order # : ***1805160***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1805160-001A	GP-17-2'	05/15/18 10:36	Soil	11/11/18				
							Pest_S_8081OCP	
1805160-002A	GP-17-3'	05/15/18 10:37	Soil	11/11/18				
							Hold Samples	
1805160-003A	GP-16-1'	05/15/18 10:43	Soil	11/11/18				
							Pest_S_8081OCP	
1805160-004A	GP-16-2'	05/15/18 10:44	Soil	11/11/18				
							Pest_S_8081OCP	
1805160-005A	GP-16-3'	05/15/18 10:45	Soil	11/11/18				
							Hold Samples	
1805160-006A	GP-12-1'	05/15/18 10:53	Soil	11/11/18				
							Pest_S_8081OCP	
1805160-007A	GP-12-2'	05/15/18 10:54	Soil	11/11/18				
							Pest_S_8081OCP	
1805160-008A	GP-12-3'	05/15/18 10:55	Soil	11/11/18				
							Hold Samples	
1805160-009A	GP-13-1'	05/15/18 11:02	Soil	11/11/18				
							Pest_S_8081OCP	
1805160-010A	GP-13-2'	05/15/18 11:03	Soil	11/11/18				
							Pest_S_8081OCP	
1805160-011A	GP-13-3'	05/15/18 11:04	Soil	11/11/18				
							Hold Samples	
1805160-012A	GP-14-1'	05/15/18 11:10	Soil	11/11/18				
							Pest_S_8081OCP	
1805160-013A	GP-14-2'	05/15/18 11:11	Soil	11/11/18				
							Pest_S_8081OCP	
1805160-014A	GP-14-3'	05/15/18 11:12	Soil	11/11/18				
							Hold Samples	
1805160-015A	GP-15-1'	05/15/18 11:20	Soil	11/11/18				
							Pest_S_8081OCP	
1805160-016A	GP-15-2'	05/15/18 11:21	Soil	11/11/18				
							Pest_S_8081OCP	
1805160-017A	GP-15-3'	05/15/18 11:22	Soil	11/11/18				
							Hold Samples	
1805160-018A	GP-11-1'	05/15/18 11:28	Soil	11/11/18				
							Pest_S_8081OCP	
1805160-019A	GP-11-2'	05/15/18 11:29	Soil	11/11/18				
							Pest_S_8081OCP	

Torrent LABORATORY, INC.

CHAIN OF CUSTODY RECORD

1805160

PROJECT NUMBER: 12165.000.002
PROJECT NAME: SOBRATO
SAMPLED BY: (SIGNATURE/PRINT) Stephen Fallon
PROJECT MANAGER: (SIGNATURE/PRINT) Divya
ROUTING: E-MAIL sfallon@engeo.com HARD COPY

SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	OCP's (8081)	REMARKS REQUIRED DETECTION LIMITS	
GP-17-2'	5/15/18	10:36	SOIL	1	SLEEVE	4°C	X		001A
GP-17-3'		10:37						HOLD	002A
GP-16-1'		10:43							003A
GP-16-2'		10:44							004A
GP-16-3'		10:45						HOLD	005A
GP-12-1'		10:53							006A
GP-12-2'		10:54							007A
GP-12-3'		10:55						HOLD	008A
GP-13-1'		11:02							009A
GP-13-2'		11:03							010A
GP-13-3'		11:04						HOLD	011A
GP-14-1'		11:10							012A
GP-14-2'		11:11							013A
GP-14-3'		11:12						HOLD	014A
GP-15-1'		11:20							015A
GP-15-2'		11:21							016A
GP-15-3'		11:22						HOLD	017A
GP-11-1'		11:28							018A
GP-11-2'		11:29							019A

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/15/18 17:00			5/16/18 11:45	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/16/18 12:46				
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS	
				- Standard Turnaround	

ENGEO INCORPORATED
2010 CROW CANYON PLACE SUITE 250
SAN RAMON, CALIFORNIA 94583
(925) 866-9000 FAX (925) 866-0199
WWW.ENGEO.COM

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT, COPY TO PROJECT FIELD FILES

FedEx City Temp=4°C #2

Login Summary

Client ID:	TL5123	Engeo (San Ramon)		
Project Name:	Sobrato		**QC Level:**	II
Project # :	12165.000.002		**TAT Requested:**	3 Day Std:3
Report Due Date:	5/21/2018		**Date Received:**	5/16/2018
			Time Received:	12:46 pm

Comments:

Work Order # : ***1805160***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1805160-001A	GP-17-2'	05/15/18 10:36	Soil	11/11/18			Pest_S_8081OCP	
1805160-002A	GP-17-3'	05/15/18 10:37	Soil	11/11/18			Hold Samples	
1805160-003A	GP-16-1'	05/15/18 10:43	Soil	11/11/18			Pest_S_8081OCP	
1805160-004A	GP-16-2'	05/15/18 10:44	Soil	11/11/18			Pest_S_8081OCP	
1805160-005A	GP-16-3'	05/15/18 10:45	Soil	11/11/18			Hold Samples	
1805160-006A	GP-12-1'	05/15/18 10:53	Soil	11/11/18			Pest_S_8081OCP	
1805160-007A	GP-12-2'	05/15/18 10:54	Soil	11/11/18			Pest_S_8081OCP	
1805160-008A	GP-12-3'	05/15/18 10:55	Soil	11/11/18			Hold Samples	
1805160-009A	GP-13-1'	05/15/18 11:02	Soil	11/11/18			Pest_S_8081OCP	
1805160-010A	GP-13-2'	05/15/18 11:03	Soil	11/11/18			Pest_S_8081OCP	
1805160-011A	GP-13-3'	05/15/18 11:04	Soil	11/11/18			Hold Samples	
1805160-012A	GP-14-1'	05/15/18 11:10	Soil	11/11/18			Pest_S_8081OCP	
1805160-013A	GP-14-2'	05/15/18 11:11	Soil	11/11/18			Pest_S_8081OCP	
1805160-014A	GP-14-3'	05/15/18 11:12	Soil	11/11/18			Hold Samples	
1805160-015A	GP-15-1'	05/15/18 11:20	Soil	11/11/18			Pest_S_8081OCP	
1805160-016A	GP-15-2'	05/15/18 11:21	Soil	11/11/18			Pest_S_8081OCP	

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1805160-017A	GP-15-3'	05/15/18	11:22	Soil	11/11/18	Hold Samples
1805160-018A	GP-11-1'	05/15/18	11:28	Soil	11/11/18	Pest_S_8081OCP
1805160-019A	GP-11-2'	05/15/18	11:29	Soil	11/11/18	Pest_S_8081OCP

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

CHAIN OF CUSTODY RECORD

1805160

PROJECT NUMBER: 12165.000.002
PROJECT NAME: SOBRATO
SAMPLED BY: (SIGNATURE/PRINT) Stephen Fallon
PROJECT MANAGER: (SIGNATURE/PRINT) Divya
ROUTING: E-MAIL sfallon@engeo.com HARD COPY

SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	OCP's (8081)	REMARKS REQUIRED DETECTION LIMITS	
GP-17-2'	5/15/18	10:36	SOIL	1	SLEEVE	4°C	X		001A
GP-17-3'		10:37						HOLD	002A
GP-16-1'		10:43							003A
GP-16-2'		10:44							004A
GP-16-3'		10:45						HOLD	005A
GP-12-1'		10:53							006A
GP-12-2'		10:54							007A
GP-12-3'		10:55						HOLD	008A
GP-13-1'		11:02							009A
GP-13-2'		11:03							010A
GP-13-3'		11:04						HOLD	011A
GP-14-1'		11:10							012A
GP-14-2'		11:11							013A
GP-14-3'		11:12						HOLD	014A
GP-15-1'		11:20							015A
GP-15-2'		11:21							016A
GP-15-3'		11:22						HOLD	017A
GP-11-1'		11:28							018A
GP-11-2'		11:29							019A

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/15/18 17:00			5/16/18 11:45	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/16/18 12:46				
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS - Standard Turnaround	

EN GEO
INCORPORATED

2010 CROW CANYON PLACE SUITE 250
SAN RAMON, CALIFORNIA 94583
(925) 866-9000 FAX (925) 866-0199
WWW.ENGEO.COM

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT, COPY TO PROJECT FIELD FILES

FedEx City Temp 4°C #2

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Project Name: Sobrato

Work Order No.: 1805160

Date and Time Received: 5/16/2018

Received By: Helena Ueng

Physically Logged By: Nutan Kabir

Checklist Completed By: Nutan Kabir

Carrier Name: FedEx

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Not Applicable

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Not Applicable
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	4.0	°C
Water-VOA vials have zero headspace?	No VOA vials submitted			
Water-pH acceptable upon receipt?	N/A			

pH Checked by: N/A

pH Adjusted by: N/A

Comments:

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

Engeo (San Ramon)
2010 Crow Canyon Place,#250
San Ramon, California 94583
Tel: (925) 866-9000
Fax: (925) 866-0199

RE: Sobrato

Work Order No.: 1805161

Dear Stephen Fallon:

Torrent Laboratory, Inc. received 19 sample(s) on May 16, 2018 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991 If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

Patti L Sandrock
QA Officer

May 22, 2018
Date

Date: 5/22/2018

Client: Engeo (San Ramon)

Project: Sobrato

Work Order: 1805161

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Analytical, Inc.

Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/16/18
Date Reported: 05/22/18

GP-10-1' 1805161-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Dieldrin	SW8081B	3	0.44	6.0	7.40	ug/Kg
4,4-DDT	SW8081B	3	0.39	6.0	31.0	ug/Kg
Toxaphene	SW8081B	3	26	150	473	ug/Kg
4,4-DDE	SW8081B	20	3.9	40	527	ug/Kg

GP-10-2' 1805161-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Dieldrin	SW8081B	1	0.15	2.0	3.98	ug/Kg
4,4-DDT	SW8081B	1	0.13	2.0	16.2	ug/Kg
Toxaphene	SW8081B	1	8.5	50	229	ug/Kg
4,4-DDE	SW8081B	10	1.9	20	245	ug/Kg

GP-9-1' 1805161-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	29.0	ug/Kg
4,4-DDT	SW8081B	1	0.13	2.0	3.23	ug/Kg
Toxaphene	SW8081B	1	8.5	50	67.7	ug/Kg

GP-9-2' 1805161-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	14.2	ug/Kg
4,4-DDT	SW8081B	1	0.13	2.0	2.04	ug/Kg

GP-8-1' 1805161-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDD	SW8081B	1	0.57	2.0	3.14	ug/Kg
4,4-DDT	SW8081B	1	0.13	2.0	24.5	ug/Kg
Toxaphene	SW8081B	1	8.5	50	309	ug/Kg
4,4-DDE	SW8081B	10	1.9	20	212	ug/Kg

GP-8-2' 1805161-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	6.05	ug/Kg

Sample Result Summary

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date Received: 05/16/18
Date Reported: 05/22/18

GP-4-1' 1805161-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDT	SW8081B	1	0.13	2.0	14.7	ug/Kg
Toxaphene	SW8081B	1	8.5	50	143	ug/Kg
4,4-DDE	SW8081B	5	0.97	10	183	ug/Kg

GP-4-2' 1805161-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	10.4	ug/Kg
Toxaphene	SW8081B	1	8.5	50	50.2	ug/Kg

GP-5-1' 1805161-014

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDD	SW8081B	1	0.57	2.0	4.30	ug/Kg
4,4-DDT	SW8081B	1	0.13	2.0	55.5	ug/Kg
Toxaphene	SW8081B	1	8.5	50	132	ug/Kg
4,4-DDE	SW8081B	10	1.9	20	402	ug/Kg

GP-5-2' 1805161-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDD	SW8081B	1	0.57	2.0	6.99	ug/Kg
4,4-DDT	SW8081B	1	0.13	2.0	12.0	ug/Kg
Toxaphene	SW8081B	1	8.5	50	97.9	ug/Kg
4,4-DDE	SW8081B	5	0.97	10	185	ug/Kg

GP-6-1' 1805161-017

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDT	SW8081B	1	0.13	2.0	55.8	ug/Kg
Toxaphene	SW8081B	1	8.5	50	363	ug/Kg
4,4-DDE	SW8081B	20	3.9	40	747	ug/Kg

GP-6-2' 1805161-018

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4-DDE	SW8081B	1	0.19	2.0	3.12	ug/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-10-1'	**Lab Sample ID:**	1805161-002A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 11:40		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081B	3	0.38	6.0	ND		ug/Kg	05/21/18	1:15	LA	431843
gamma-BHC (Lindane)	SW8081B	3	0.48	6.0	ND		ug/Kg	05/21/18	1:15	LA	431843
beta-BHC	SW8081B	3	0.95	6.0	ND		ug/Kg	05/21/18	1:15	LA	431843
delta-BHC	SW8081B	3	0.47	6.0	ND		ug/Kg	05/21/18	1:15	LA	431843
Heptachlor	SW8081B	3	0.32	6.0	ND		ug/Kg	05/21/18	1:15	LA	431843
Aldrin	SW8081B	3	0.59	6.0	ND		ug/Kg	05/21/18	1:15	LA	431843
Heptachlor Epoxide	SW8081B	3	0.23	6.0	ND		ug/Kg	05/21/18	1:15	LA	431843
gamma-Chlordane	SW8081B	3	0.49	6.0	ND		ug/Kg	05/21/18	1:15	LA	431843
alpha-Chlordane	SW8081B	3	0.52	6.0	ND		ug/Kg	05/21/18	1:15	LA	431843
Endosulfan I	SW8081B	3	0.55	6.0	ND		ug/Kg	05/21/18	1:15	LA	431843
Dieldrin	SW8081B	3	0.44	6.0	**7.40**		ug/Kg	05/21/18	1:15	LA	431843
Endrin	SW8081B	3	0.56	6.0	ND		ug/Kg	05/21/18	1:15	LA	431843
4,4-DDD	SW8081B	3	1.7	6.0	ND		ug/Kg	05/21/18	1:15	LA	431843
Endosulfan II	SW8081B	3	1.7	6.0	ND		ug/Kg	05/21/18	1:15	LA	431843
4,4-DDT	SW8081B	3	0.39	6.0	**31.0**		ug/Kg	05/21/18	1:15	LA	431843
Endrin Aldehyde	SW8081B	3	0.45	6.0	ND		ug/Kg	05/21/18	1:15	LA	431843
Methoxychlor	SW8081B	3	0.60	6.0	ND		ug/Kg	05/21/18	1:15	LA	431843
Endosulfan Sulfate	SW8081B	3	0.35	6.0	ND		ug/Kg	05/21/18	1:15	LA	431843
Endrin Ketone	SW8081B	3	0.28	6.0	ND		ug/Kg	05/21/18	1:15	LA	431843
Chlordane	SW8081B	3	6.3	60	ND		ug/Kg	05/21/18	1:15	LA	431843
Toxaphene	SW8081B	3	26	150	**473**		ug/Kg	05/21/18	1:15	LA	431843
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**77.4**		%	05/21/18	1:15	LA	431843
DCBP (S)	SW8081B		38 - 135		**78.7**		%	05/21/18	1:15	LA	431843

NOTE: Sample diluted due to nature of the matrix (yellow extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-10-1'	**Lab Sample ID:**	1805161-002A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 11:40		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	20	3.9	40	**527**		ug/Kg	05/21/18	13:08	LA	431843

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-10-2'	**Lab Sample ID:**	1805161-003A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 11:41		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/21/18	1:28	LA	431843
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	1:28	LA	431843
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/21/18	1:28	LA	431843
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	1:28	LA	431843
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/21/18	1:28	LA	431843
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	1:28	LA	431843
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/21/18	1:28	LA	431843
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	1:28	LA	431843
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/21/18	1:28	LA	431843
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/21/18	1:28	LA	431843
Dieldrin	SW8081B	1	0.15	2.0	**3.98**		ug/Kg	05/21/18	1:28	LA	431843
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/21/18	1:28	LA	431843
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/21/18	1:28	LA	431843
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/21/18	1:28	LA	431843
4,4-DDT	SW8081B	1	0.13	2.0	**16.2**		ug/Kg	05/21/18	1:28	LA	431843
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	1:28	LA	431843
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	1:28	LA	431843
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/21/18	1:28	LA	431843
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/21/18	1:28	LA	431843
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/21/18	1:28	LA	431843
Toxaphene	SW8081B	1	8.5	50	**229**		ug/Kg	05/21/18	1:28	LA	431843
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**74.3**		%	05/21/18	1:28	LA	431843
DCBP (S)	SW8081B		38 - 135		**73.0**		%	05/21/18	1:28	LA	431843

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-10-2'	**Lab Sample ID:**	1805161-003A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 11:41		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	10	1.9	20	**245**		ug/Kg	05/21/18	13:35	LA	431843

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-9-1'	**Lab Sample ID:**	1805161-005A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 13:15		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
4,4-DDE	SW8081B	1	0.19	2.0	**29.0**		ug/Kg	05/21/18	1:42	LA	431843
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
4,4-DDT	SW8081B	1	0.13	2.0	**3.23**		ug/Kg	05/21/18	1:42	LA	431843
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/21/18	1:42	LA	431843
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/21/18	1:42	LA	431843
Toxaphene	SW8081B	1	8.5	50	**67.7**		ug/Kg	05/21/18	1:42	LA	431843
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**68.0**		%	05/21/18	1:42	LA	431843
DCBP (S)	SW8081B		38 - 135		**66.6**		%	05/21/18	1:42	LA	431843

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-9-2'	**Lab Sample ID:**	1805161-006A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 13:16		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
4,4-DDE	SW8081B	1	0.19	2.0	**14.2**		ug/Kg	05/21/18	1:55	LA	431843
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
4,4-DDT	SW8081B	1	0.13	2.0	**2.04**		ug/Kg	05/21/18	1:55	LA	431843
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/21/18	1:55	LA	431843
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/21/18	1:55	LA	431843
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/21/18	1:55	LA	431843
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**70.5**		%	05/21/18	1:55	LA	431843
DCBP (S)	SW8081B		38 - 135		**74.4**		%	05/21/18	1:55	LA	431843

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-8-1'	**Lab Sample ID:**	1805161-008A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 13:13		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/21/18	2:09		431843
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	2:09		431843
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/21/18	2:09		431843
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	2:09		431843
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/21/18	2:09		431843
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	2:09		431843
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/21/18	2:09		431843
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	2:09		431843
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/21/18	2:09		431843
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/21/18	2:09		431843
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	2:09		431843
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/21/18	2:09		431843
4,4-DDD	SW8081B	1	0.57	2.0	**3.14**		ug/Kg	05/21/18	2:09		431843
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/21/18	2:09		431843
4,4-DDT	SW8081B	1	0.13	2.0	**24.5**		ug/Kg	05/21/18	2:09		431843
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	2:09		431843
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	2:09		431843
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/21/18	2:09		431843
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/21/18	2:09		431843
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/21/18	2:09		431843
Toxaphene	SW8081B	1	8.5	50	**309**		ug/Kg	05/21/18	2:09		431843
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**69.9**		%	05/21/18	2:09		431843
DCBP (S)	SW8081B		38 - 135		**69.2**		%	05/21/18	2:09		431843

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-8-1'	**Lab Sample ID:**	1805161-008A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 13:13		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	10	1.9	20	**212**		ug/Kg	05/21/18	14:02	LA	431843

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-8-2'	**Lab Sample ID:**	1805161-009A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 13:14		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
4,4-DDE	SW8081B	1	0.19	2.0	**6.05**		ug/Kg	05/21/18	2:49	LA	431843
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/21/18	2:49	LA	431843
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/21/18	2:49	LA	431843
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/21/18	2:49	LA	431843
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**68.4**		%	05/21/18	2:49	LA	431843
DCBP (S)	SW8081B		38 - 135		**65.7**		%	05/21/18	2:49	LA	431843

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-4-1'	**Lab Sample ID:**	1805161-011A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 13:22		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
4,4-DDT	SW8081B	1	0.13	2.0	**14.7**		ug/Kg	05/21/18	3:03	LA	431843
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/21/18	3:03	LA	431843
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/21/18	3:03	LA	431843
Toxaphene	SW8081B	1	8.5	50	**143**		ug/Kg	05/21/18	3:03	LA	431843
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**74.4**		%	05/21/18	3:03	LA	431843
DCBP (S)	SW8081B		38 - 135		**72.7**		%	05/21/18	3:03	LA	431843

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-4-1'	**Lab Sample ID:**	1805161-011A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 13:22		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	5	0.97	10	**183**		ug/Kg	05/21/18	14:16	LA	431843

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-4-2'	**Lab Sample ID:**	1805161-012A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 13:23		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18 10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
4,4-DDE	SW8081B	1	0.19	2.0	**10.4**		ug/Kg	05/21/18	3:16	LA	431843
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/21/18	3:16	LA	431843
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/21/18	3:16	LA	431843
Toxaphene	SW8081B	1	8.5	50	**50.2**		ug/Kg	05/21/18	3:16	LA	431843
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**51.9**		%	05/21/18	3:16	LA	431843
DCBP (S)	SW8081B		38 - 135		**43.7**		%	05/21/18	3:16	LA	431843

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-5-1'	**Lab Sample ID:**	1805161-014A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 13:30		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/21/18	3:30	LA	431843
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	3:30	LA	431843
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/21/18	3:30	LA	431843
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	3:30	LA	431843
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/21/18	3:30	LA	431843
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	3:30	LA	431843
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/21/18	3:30	LA	431843
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	3:30	LA	431843
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/21/18	3:30	LA	431843
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/21/18	3:30	LA	431843
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	3:30	LA	431843
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/21/18	3:30	LA	431843
4,4-DDD	SW8081B	1	0.57	2.0	**4.30**		ug/Kg	05/21/18	3:30	LA	431843
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/21/18	3:30	LA	431843
4,4-DDT	SW8081B	1	0.13	2.0	**55.5**		ug/Kg	05/21/18	3:30	LA	431843
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	3:30	LA	431843
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	3:30	LA	431843
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/21/18	3:30	LA	431843
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/21/18	3:30	LA	431843
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/21/18	3:30	LA	431843
Toxaphene	SW8081B	1	8.5	50	**132**		ug/Kg	05/21/18	3:30	LA	431843
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**72.5**		%	05/21/18	3:30	LA	431843
DCBP (S)	SW8081B		38 - 135		**72.8**		%	05/21/18	3:30	LA	431843

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-5-1'	**Lab Sample ID:**	1805161-014A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 13:30		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	10	1.9	20	**402**		ug/Kg	05/21/18	16:05	LA	431843

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-5-2'	**Lab Sample ID:**	1805161-015A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 13:31		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/21/18	3:43	LA	431843
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	3:43	LA	431843
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/21/18	3:43	LA	431843
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	3:43	LA	431843
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/21/18	3:43	LA	431843
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	3:43	LA	431843
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/21/18	3:43	LA	431843
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/21/18	3:43	LA	431843
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/21/18	3:43	LA	431843
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/21/18	3:43	LA	431843
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	3:43	LA	431843
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/21/18	3:43	LA	431843
4,4-DDD	SW8081B	1	0.57	2.0	**6.99**		ug/Kg	05/21/18	3:43	LA	431843
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/21/18	3:43	LA	431843
4,4-DDT	SW8081B	1	0.13	2.0	**12.0**		ug/Kg	05/21/18	3:43	LA	431843
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/21/18	3:43	LA	431843
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/21/18	3:43	LA	431843
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/21/18	3:43	LA	431843
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/21/18	3:43	LA	431843
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/21/18	3:43	LA	431843
Toxaphene	SW8081B	1	8.5	50	**97.9**		ug/Kg	05/21/18	3:43	LA	431843
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**78.9**		%	05/21/18	3:43	LA	431843
DCBP (S)	SW8081B		38 - 135		**78.1**		%	05/21/18	3:43	LA	431843

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-5-2'	**Lab Sample ID:**	1805161-015A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 13:31		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	5	0.97	10	**185**		ug/Kg	05/21/18	16:32	LA	431843

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-6-1'	**Lab Sample ID:**	1805161-017A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 13:38		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
4,4-DDT	SW8081B	1	0.13	2.0	**55.8**		ug/Kg	05/22/18	20:13	LA	431843
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/22/18	20:13	LA	431843
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/22/18	20:13	LA	431843
Toxaphene	SW8081B	1	8.5	50	**363**		ug/Kg	05/22/18	20:13	LA	431843
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**70.8**		%	05/22/18	20:13	LA	431843
DCBP (S)	SW8081B		38 - 135		**79.6**		%	05/22/18	20:13	LA	431843

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-6-1'	**Lab Sample ID:**	1805161-017A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 13:38		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081B	20	3.9	40	**747**		ug/Kg	05/22/18	20:55	LA	431843

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Stephen Fallon
Engeo (San Ramon)

Date/Time Received: 05/16/18, 12:46 pm
Date Reported: 05/22/18

Client Sample ID:	GP-6-2'	**Lab Sample ID:**	1805161-018A
Project Name/Location:	Sobrato	**Sample Matrix:**	Soil
Project Number:	12165.000.002		
Date/Time Sampled:	05/15/18 / 13:39		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	5/19/18	10:07:00AM
Prep Batch ID:	1105148	**Prep Analyst:**	LIMBAT	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081B	1	0.13	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
gamma-BHC (Lindane)	SW8081B	1	0.16	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
beta-BHC	SW8081B	1	0.32	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
delta-BHC	SW8081B	1	0.16	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
Heptachlor	SW8081B	1	0.11	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
Aldrin	SW8081B	1	0.20	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
Heptachlor Epoxide	SW8081B	1	0.078	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
gamma-Chlordane	SW8081B	1	0.16	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
alpha-Chlordane	SW8081B	1	0.17	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
4,4-DDE	SW8081B	1	0.19	2.0	**3.12**		ug/Kg	05/22/18	20:42	LA	431843
Endosulfan I	SW8081B	1	0.18	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
Dieldrin	SW8081B	1	0.15	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
Endrin	SW8081B	1	0.19	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
4,4-DDD	SW8081B	1	0.57	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
Endosulfan II	SW8081B	1	0.58	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
4,4-DDT	SW8081B	1	0.13	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
Endrin Aldehyde	SW8081B	1	0.15	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
Methoxychlor	SW8081B	1	0.20	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
Endosulfan Sulfate	SW8081B	1	0.12	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
Endrin Ketone	SW8081B	1	0.094	2.0	ND		ug/Kg	05/22/18	20:42	LA	431843
Chlordane	SW8081B	1	2.1	20	ND		ug/Kg	05/22/18	20:42	LA	431843
Toxaphene	SW8081B	1	8.5	50	ND		ug/Kg	05/22/18	20:42	LA	431843
			Acceptance Limits								
TCMX (S)	SW8081B		48 - 125		**68.7**		%	05/22/18	20:42	LA	431843
DCBP (S)	SW8081B		38 - 135		**71.5**		%	05/22/18	20:42	LA	431843

MB Summary Report

Work Order:	1805161	**Prep Method:**	3546_OCP	**Prep Date:**	05/19/18	**Prep Batch:**	1105148
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/20/2018	**Analytical Batch:**	431843
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
alpha-BHC	0.13	2.0	ND	
gamma-BHC (Lindane)	0.16	2.0	ND	
beta-BHC	0.32	2.0	ND	
delta-BHC	0.16	2.0	ND	
Heptachlor	0.11	2.0	ND	
Aldrin	0.20	2.0	ND	
Heptachlor Epoxide	0.078	2.0	ND	
gamma-Chlordane	0.16	2.0	ND	
alpha-Chlordane	0.17	2.0	ND	
4,4-DDE	0.19	2.0	ND	
Endosulfan I	0.18	2.0	ND	
Dieldrin	0.15	2.0	ND	
Endrin	0.19	2.0	ND	
4,4-DDD	0.57	2.0	ND	
Endosulfan II	0.58	2.0	ND	
4,4-DDT	0.13	2.0	ND	
Endrin Aldehyde	0.15	2.0	ND	
Methoxychlor	0.20	2.0	ND	
Endosulfan Sulfate	0.12	2.0	ND	
Endrin Ketone	0.094	2.0	ND	
Chlordane	2.1	20	ND	
Toxaphene	8.5	50	ND	
TCMX (S)			96.7	
DCBP (S)			86.6	

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1805161	**Prep Method:**	3546_OCP	**Prep Date:**	05/19/18	**Prep Batch:**	1105148
Matrix:	Soil	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/20/2018	**Analytical Batch:**	431843
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.16	2.0	ND	40	105	106	0.712	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	102	101	0.000	40 - 130	30	
Aldrin	0.20	2.0	ND	40	101	101	0.495	25 - 140	30	
Dieldrin	0.15	2.0	ND	40	98.9	99.8	0.755	60 - 130	30	
Endrin	0.19	2.0	ND	40	103	104	0.484	55 - 135	30	
4,4-DDT	0.13	2.0	ND	40	98.5	99.1	0.506	45 - 140	30	
TCMX (S)				100	79.9	80.6		48 - 125		
DCBP (S)				100	80.3	81.6		38 - 135		

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1805161	**Prep Method:**	3546_OCP	**Prep Date:**	05/19/18	**Prep Batch:**	1105148
Matrix:	**Soil**	**Analytical Method:**	SW8081B	**Analyzed Date:**	5/21/2018	**Analytical Batch:**	431843
Spiked Sample:	1805161-003A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.159	2.00	ND	40	97.2	86.3	12.0	25 - 135	30	
Heptachlor	0.105	2.00	ND	40	97.2	87.0	11.1	40 - 130	30	
Aldrin	0.195	2.00	ND	40	95.9	86.3	10.7	25 - 140	30	
Dieldrin	0.148	2.00	3.98	40	82.4	71.8	12.3	60 - 130	30	
Endrin	0.188	2.00	ND	40	94.8	87.5	7.96	55 - 135	30	
4,4-DDT	0.129	2.00	16.2	40	58.5	48.7	10.4	45 - 140	30	
TCMX (S)				100	79.8	75.1		48 - 125		
DCBP (S)				100	78.5	73.1		38 - 135		

Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - **mg/L** and ***mg/Kg*** (equivalent to PPM - parts per million in **liquid** and ***solid***), **ug/L** and ***ug/Kg*** (equivalent to PPB - parts per billion in **liquid** and ***solid***), **ug/m3**, ***mg/m3***, **ppbv** and ***ppmv*** (all units of measure for reporting concentrations in air), **%** (equivalent to 10000 ppm or 1,000,000 ppb), **ug/Wipe** (concentration found on the surface of a single Wipe usually taken over a 100cm2 surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H- Indicates that the recommended holding time for the analyte or compound has been exceeded
J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Project Name: Sobrato

Work Order No.: 1805161

Date and Time Received: 5/16/2018 12:46:00PM

Received By: HU

Physically Logged By: HU

Checklist Completed By: Nutan Kabir

Carrier Name: FedEx

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Yes

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	4.0	°C
Water-VOA vials have zero headspace?				
Water-pH acceptable upon receipt?	N/A			

pH Checked by: NA

pH Adjusted by: NA

Comments:

Login Summary Report

Client ID:	TL5123	Engeo (San Ramon)	**QC Level:**	II
Project Name:	Sobrato		**TAT Requested:**	3 Day Std:3
Project # :	12165.000.002		**Date Received:**	5/16/2018
Report Due Date:	5/21/2018		**Time Received:**	12:46 pm

Comments:

Work Order # : ***1805161***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1805161-001A	GP-11-3'	05/15/18 11:30	Soil	11/11/18				
							Hold Samples	
1805161-002A	GP-10-1'	05/15/18 11:40	Soil	11/11/18				
							Pest_S_8081OCP	
1805161-003A	GP-10-2'	05/15/18 11:41	Soil	11/11/18				
							Pest_S_8081OCP	
1805161-004A	GP-10-3'	05/15/18 11:42	Soil	11/11/18				
							Hold Samples	
1805161-005A	GP-9-1'	05/15/18 13:15	Soil	11/11/18				
							Pest_S_8081OCP	
1805161-006A	GP-9-2'	05/15/18 13:16	Soil	11/11/18				
							Pest_S_8081OCP	
1805161-007A	GP-9-3'	05/15/18 13:17	Soil	11/11/18				
							Hold Samples	
1805161-008A	GP-8-1'	05/15/18 13:13	Soil	11/11/18				
							Pest_S_8081OCP	
1805161-009A	GP-8-2'	05/15/18 13:14	Soil	11/11/18				
							Pest_S_8081OCP	
1805161-010A	GP-8-3'	05/15/18 13:15	Soil	11/11/18				
							Hold Samples	
1805161-011A	GP-4-1'	05/15/18 13:22	Soil	11/11/18				
							Pest_S_8081OCP	
1805161-012A	GP-4-2'	05/15/18 13:23	Soil	11/11/18				
							Pest_S_8081OCP	
1805161-013A	GP-4-3'	05/15/18 13:24	Soil	11/11/18				
							Hold Samples	
1805161-014A	GP-5-1'	05/15/18 13:30	Soil	11/11/18				
							Pest_S_8081OCP	
1805161-015A	GP-5-2'	05/15/18 13:31	Soil	11/11/18				
							Pest_S_8081OCP	
1805161-016A	GP-5-3'	05/15/18 13:32	Soil	11/11/18				
							Hold Samples	
1805161-017A	GP-6-1'	05/15/18 13:38	Soil	11/11/18				
							Pest_S_8081OCP	
1805161-018A	GP-6-2'	05/15/18 13:39	Soil	11/11/18				
							Pest_S_8081OCP	
1805161-019A	GP-6-3'	05/15/18 13:40	Soil	11/11/18				

Login Summary Report

Client ID:	TL5123	Engeo (San Ramon)	**QC Level:**	II
Project Name:	Sobrato		**TAT Requested:**	3 Day Std:3
Project # :	12165.000.002		**Date Received:**	5/16/2018
Report Due Date:	5/21/2018		**Time Received:**	12:46 pm

Comments:

Work Order # : ***1805161***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
							Hold Samples	

Torrent LABORATORY, INC.

1805161

CHAIN OF CUSTODY RECORD

PROJECT NUMBER: 12165.000.002
PROJECT NAME: SOBRATO
SAMPLED BY: (SIGNATURE/PRINT) Stephen Fallon
PROJECT MANAGER: (SIGNATURE/PRINT) Divya
ROUTING: E-MAIL sfallon@engeo.com HARD COPY

	SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	OCPs (8081)	REMARKS REQUIRED DETECTION LIMITS	
001A	GP-11-3'	5/15/18	11:30	SOIL	1	SLEEVE	4°C	X	HOLD	001A
002A	GP-10-1'		11:40							002A
003A	GP-10-2'		11:41							003A
004A	GP-10-3'		11:42						HOLD	004A
005A	GP-9-1'		13:15							005A
006A	GP-9-2'		13:16							006A
007A	GP-9-3'		13:17						HOLD	007A
008A	GP-8-1'		13:13							008A
009A	GP-8-2'		13:14							009A
010A	GP-8-3'		13:15						HOLD	010A
011A	GP-4-1'		13:22							011A
012A	GP-4-2'		13:23							012A
013A	GP-4-3'		13:24						HOLD	013A
014A	GP-5-1'		13:30							014A
015A	GP-5-2'		13:31							015A
016A	GP-5-3'		13:32						HOLD	016A
017A	GP-6-1'		13:38							017A
018A	GP-6-2'		13:39							018A
019A	GP-6-3'		13:40						HOLD	019A

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/15/18 17:00			5/16/18 11:45	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/16/18 12:46				
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS - Standard Turnaround	

ENGEO INCORPORATED
2010 CROW CANYON PLACE SUITE 250
SAN RAMON, CALIFORNIA 94583
(925) 866-9000 FAX (925) 866-0199
WWW.ENGEO.COM

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT. COPY TO PROJECT FIELD FILES

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Login Summary

Client ID:	TL5123	Engeo (San Ramon)		
Project Name:	Sobrato		**QC Level:**	II
Project # :	12165.000.002		**TAT Requested:**	3 Day Std:3
Report Due Date:	5/21/2018		**Date Received:**	5/16/2018
			Time Received:	12:46 pm

Comments:

Work Order # : ***1805161***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1805161-001A	GP-11-3'	05/15/18 11:30	Soil	11/11/18			Hold Samples	
1805161-002A	GP-10-1'	05/15/18 11:40	Soil	11/11/18			Pest_S_8081OCP	
1805161-003A	GP-10-2'	05/15/18 11:41	Soil	11/11/18			Pest_S_8081OCP	
1805161-004A	GP-10-3'	05/15/18 11:42	Soil	11/11/18			Hold Samples	
1805161-005A	GP-9-1'	05/15/18 13:15	Soil	11/11/18			Pest_S_8081OCP	
1805161-006A	GP-9-2'	05/15/18 13:16	Soil	11/11/18			Pest_S_8081OCP	
1805161-007A	GP-9-3'	05/15/18 13:17	Soil	11/11/18			Hold Samples	
1805161-008A	GP-8-1'	05/15/18 13:13	Soil	11/11/18			Pest_S_8081OCP	
1805161-009A	GP-8-2'	05/15/18 13:14	Soil	11/11/18			Pest_S_8081OCP	
1805161-010A	GP-8-3'	05/15/18 13:15	Soil	11/11/18			Hold Samples	
1805161-011A	GP-4-1'	05/15/18 13:22	Soil	11/11/18			Pest_S_8081OCP	
1805161-012A	GP-4-2'	05/15/18 13:23	Soil	11/11/18			Pest_S_8081OCP	
1805161-013A	GP-4-3'	05/15/18 13:24	Soil	11/11/18			Hold Samples	
1805161-014A	GP-5-1'	05/15/18 13:30	Soil	11/11/18			Pest_S_8081OCP	
1805161-015A	GP-5-2'	05/15/18 13:31	Soil	11/11/18			Pest_S_8081OCP	
1805161-016A	GP-5-3'	05/15/18 13:32	Soil	11/11/18			Hold Samples	

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

1805161-017A	GP-6-1'	05/15/18	13:38	Soil	11/11/18	Pest_S_8081OCP
1805161-018A	GP-6-2'	05/15/18	13:39	Soil	11/11/18	Pest_S_8081OCP
1805161-019A	GP-6-3'	05/15/18	13:40	Soil	11/11/18	Hold Samples

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

1805161

CHAIN OF CUSTODY RECORD

PROJECT NUMBER: 12165.000.002
PROJECT NAME: SOBRATO
SAMPLED BY: (SIGNATURE/PRINT) Stephen Fallon
PROJECT MANAGER: (SIGNATURE/PRINT) Divya
ROUTING: E-MAIL sfallon@engeo.com HARD COPY

	SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	OCPs (8081)	REMARKS REQUIRED DETECTION LIMITS	
001A	GP-11-3'	5/15/18	11:30	SOIL	1	SLEEVE	4°C	X	HOLD	001A
002A	GP-10-1'		11:40							002A
003A	GP-10-2'		11:41							003A
004A	GP-10-3'		11:42						HOLD	004A
005A	GP-9-1'		13:15							005A
006A	GP-9-2'		13:16							006A
007A	GP-9-3'		13:17						HOLD	007A
008A	GP-8-1'		13:13							008A
009A	GP-8-2'		13:14							009A
010A	GP-8-3'		13:15						HOLD	010A
011A	GP-4-1'		13:22							011A
012A	GP-4-2'		13:23							012A
013A	GP-4-3'		13:24						HOLD	013A
014A	GP-5-1'		13:30							014A
015A	GP-5-2'		13:31							015A
016A	GP-5-3'		13:32						HOLD	016A
017A	GP-6-1'		13:38							017A
018A	GP-6-2'		13:39							018A
019A	GP-6-3'		13:40						HOLD	019A

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/15/18 17:00			5/16/18 11:45	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/16/18 12:46				
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS - Standard Turnaround	

EN GEO INCORPORATED
2010 CROW CANYON PLACE SUITE 250
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FedEx Cooler Temp. = 4°C #2

Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Project Name: Sobrato

Work Order No.: 1805161

Date and Time Received: 5/16/2018

Received By: HU

Physically Logged By: HU

Checklist Completed By: Nutan Kabir

Carrier Name: FedEx

Chain of Custody (COC) Information

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Custody seals intact on sample bottles?	Yes

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes
Shipping Container/Cooler In Good Condition?	Yes
Samples in proper container/bottle?	Yes
Samples containers intact?	Yes
Sufficient sample volume for indicated test?	Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	
Container/Temp Blank temperature in compliance?	Yes	Temperature: 4.0 °C
Water-VOA vials have zero headspace?		
Water-pH acceptable upon receipt?	N/A	

pH Checked by: NA

pH Adjusted by: NA

Comments:

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

Login Summary

Client ID:	TL5123	Engeo (San Ramon)		
Project Name:	Sobrato		**QC Level:**	II
Project # :	12165.000.002		**TAT Requested:**	3 Day Std:3
Report Due Date:	5/21/2018		**Date Received:**	5/16/2018
			Time Received:	12:46 pm

Comments:

Work Order # : ***1805163***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1805163-001A	GP-7-1'	05/15/18 13:45	Soil	11/11/18			Pest_S_8081OCP	
1805163-002A	GP-7-2'	05/15/18 13:46	Soil	11/11/18			Pest_S_8081OCP	
1805163-003A	GP-7-3'	05/15/18 13:47	Soil	11/11/18			Hold Samples	
1805163-004A	GP-3-1'	05/15/18 14:00	Soil	11/11/18			Pest_S_8081OCP	
1805163-005A	GP-3-2'	05/15/18 14:01	Soil	11/11/18			Pest_S_8081OCP	
1805163-006A	GP-3-3'	05/15/18 14:02	Soil	11/11/18			Hold Samples	
1805163-007A	GP-2-1'	05/15/18 14:25	Soil	11/11/18			Pest_S_8081OCP	
1805163-008A	GP-2-2'	05/15/18 14:26	Soil	11/11/18			Pest_S_8081OCP	
1805163-009A	GP-2-3'	05/15/18 14:27	Soil	11/11/18			Hold Samples	
1805163-010A	GP-1-1'	05/15/18 14:40	Soil	11/11/18			Pest_S_8081OCP	
1805163-011A	GP-1-2'	05/15/18 14:41	Soil	11/11/18			Pest_S_8081OCP	
1805163-012A	GP-1-3'	05/15/18 14:42	Soil	11/11/18			Hold Samples	

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CHAIN OF CUSTODY RECORD

1805163

PROJECT NUMBER: 12165.000.002
PROJECT NAME: SOBRATO
SAMPLED BY: (SIGNATURE/PRINT) Stephen Fallon
PROJECT MANAGER: (SIGNATURE/PRINT) Divya
ROUTING: E-MAIL sfallon@engeo.com HARD COPY

SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	OCPs (8081)	REMARKS REQUIRED DETECTION LIMITS	
GP-7-1'	5/15/18	13:45	Soil	1	SLEEVE	4°C	X		001A
GP-7-2'		13:46							002A
GP-7-3'		13:47						HOLD	003A
GP-3-1'		14:00							004A
GP-3-2'		14:01							005A
GP-3-3'		14:02						HOLD	006A
GP-2-1'		14:25							007A
GP-2-2'		14:26							008A
GP-2-3'		14:27						HOLD	009A
GP-1-1'		14:40							010A
GP-1-2'		14:41							011A
GP-1-3'		14:42						HOLD	012A

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/15/18 17:00			5/16/18 11:45	
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
	5/16/18 12:46				
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS - Standard Turnaround	

ENGEO INCORPORATED
2010 CROW CANYON PLACE SUITE 250
SAN RAMON, CALIFORNIA 94583
(925) 866-9000 FAX (925) 866-0199
WWW.ENGEO.COM

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT, COPY TO PROJECT FIELD FILES

FedEx City Temp = 4°C #2

Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Project Name: Sobrato

Work Order No.: 1805163

Date and Time Received: 5/16/2018

Received By: HU

Physically Logged By: HU

Checklist Completed By: Nutan Kabir

Carrier Name: FedEx

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pH Checked by: NA

pH Adjusted by: NA

Comments:

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