CORNERSTONE
EARTH GROUP

Date:	December 22, 2016
Proposal No.:	411-16-1
Prepared For:	Ms. Tiffany Wilson **RSC ENGINEERING, INC.** 2250 Douglas Boulevard, Suite 150 Roseville, California 95661
Re:	Limited Phase II Soil Quality Evaluation 3141 Taylor Road Loomis, California

Dear Ms. Wilson:

We are pleased to present this letter summarizing the results of the soil samples collected at 3141 Taylor Road in Loomis, California (Site). This work was performed for RSC Engineering, Inc. in accordance with our December 14, 2016 Agreement (Agreement).

SITE DESCRIPTION

Based on preliminary information provided by you, approximately 24-acres of the approximately 42-acre property appears to have historically been occupied by orchards. Several residential structures and out building remain on the property, but are currently unoccupied. The site is located in an area with residential developments.

Based on conversations and documents provided by you, we understand that the property owner (United Auburn Indian Community) plans to develop the Site with a private school. The school will include an elementary school, a middle school, a tribal education center, library with pre-kindergarten classrooms and science/cultural arts buildings. A recreation field, garden and paddock/farm area also are planned.

PURPOSE

The purpose of this work was to evaluate surface soil for impacts associated with historical agricultural activities.

SOIL SAMPLING

On December 16, 2016, our staff geologist visited the Site to collect 24 near-surface soil samples from across the former agricultural area of the Site, with approximately one sample per acre (Figure 2). Sample frequency of the former agricultural area was selected in accordance with the Department of Toxic Substances Control (DTSC) "Interim Guidance for Sampling Agricultural Fields for School Sites (Second Revision)" (August 26, 2002). Samples were collected from the natural ground surface to a depth of approximately ½ foot using hand-sampling equipment.

Following standard protocols, Cornerstone's staff engineer collected soil samples in new and pre-cleaned 2½ inch by 6-inch stainless steel liners and were taped, capped, and labeled with a unique identification number. All samples were labeled with a unique name and were placed in

an ice chilled cooler and transported under chain of custody documentation to a State certified analytical testing lab.

LABORATORY ANALYSES

To evaluate the soil quality, the samples were analyzed for organochlorine pesticides (OCPs) (EPA Test Method 8081), and pesticide related metals (arsenic, lead, and mercury) (EPA Test Method 6010/7000). Analytical laboratory reports are presented in Attachment A.

The results were compared to the residential screening levels (DTSC-SL) recommended in the DTSC Office of Human and Ecological Risk (HERO) guidance document Human Health Risk Assessment Note 3 (2016). For parameters and compounds where no DTSC-SLs are established, the detected compounds were compared to the residential Regional Screening Levels (RSLs) established by the USEPA Region 9 (USEPA, May 2016) using a Hazard Quotient (HQ) of 1. Natural background concentrations of arsenic are often well above the health-based RSL of 0.67 mg/kg; however, DTSC generally does not require cleanup of metals in soil to below background levels. Bradford et.al. (1996) estimated that background arsenic concentrations in California soil types range from 0.6 mg/kg to 11 mg/kg. The screening levels and background concentrations used are provided in the attached tables.

Where established, the total concentrations results were also compared to their respective Total Threshold Limit Concentration (TTLC) for determination of a non-RCRA (California) hazardous waste.

STATISTICAL EVALUATION

To assist in evaluating the reported data, the 95 percent upper confidence limit (UCL) was calculated for arsenic using the USEPA ProUCL Version 5 statistical software (USEPA, 2013). Because of the uncertainty associated with estimating the true average concentration at a site, the 95 percent UCL of the arithmetic mean can be used for this variable. The 95 percent UCL provides reasonable confidence that the true site average concentration will not be underestimated. The 95 percent UCL of a mean is defined as a value that, when calculated repeatedly for randomly drawn subsets of site data, equals or exceeds the true mean 95 percent of the time. The 95 percent UCL of the mean provides a conservative estimate of the average (or mean) concentration. A chemical contaminant is not considered to be present at a level of concern if the calculated 95 percent UCL is less than its respective regulatory threshold concentration (USEPA, 2007).

The calculated UCL concentration is discussed below. ProUCL input and output data sheets are included in Attachment B.

SUMMARY OF SOIL ANALYTICAL DATA

- Dichlorodiphenyltrichloroethane (DDT) was detected in 22 of 24 soil samples at concentrations up to 0.138 mg/kg. The residential RSL for DDT is 1.9 mg/kg. The DDT detected in the Site's topsoil does not appear to pose a significant risk to human health for the planned school Site use.

- Dichlorodiphenyldichloroethane(DDD) was detected in 2 of 24 soil samples at concentrations up to 0.0.0186 mg/kg. The residential RSL for DDD is 2.2 mg/kg. The DDD detected in the Site's topsoil does not appear to pose a significant risk to human

health for the planned school Site use.

- Dichlorodiphenyldichloroethylene (DDE) was detected in 24 of 24 soil samples at concentrations ranging up to 0.522 mg/kg. The residential RSL for DDE is 1.6 mg/kg. The DDE detected in the Site's topsoil does not appear to pose a significant risk to human health for the planned school Site use.

- Total DDT (the sum of DDT, DDD and DDE) was detected at concentrations of less than 1.0 mg/kg in the 24 soil samples analyzed.

- No other OCPs were detected.

- Lead was detected in 28 of 28 discrete samples ranging from 3.75 mg/kg to 79.8 mg/kg, below the DTSC-SL for lead of 80 mg/kg.

- Arsenic was detected in 24 of 24 samples at concentrations ranging from 4.07 mg/kg and 29.2 mg/kg. The 95% UCL for arsenic was calculated at 11.8 mg/kg.

- Mercury was not detected above the laboratory reporting limits.

CONCLUSIONS AND RECOMMENDATIONS

Based on limited soil sampling performed, surface soil in the former orchard area does not appear significantly impacted by OCPs, lead or mercury.

Concentrations of arsenic detected exceeded published background levels in several soil samples. We recommend discussing the Site with the DTSC to evaluate their requirements for oversight. Based on our experience with school sites, the DTSC may require the submittal of a Preliminary Endangerment Assessment (PEA) report for their review. Additional soil sampling may be required for the preparation of the PEA, such as collection and analysis of deeper soil samples and background soil samples.

LIMITATIONS

This letter, an instrument of professional service, was prepared for the sole use of RSC Engineering Inc. and United Auburn Indian Community (UAIC), and may not be reproduced or distributed without written authorization from Cornerstone. The chemical data presented in this report may change over time and are only valid for this time and location. RSC Engineering Inc. and UAIC understand that Cornerstone reviewed and relied on the information presented in these reports and cannot be responsible for their accuracy. Cornerstone makes no warranty, expressed or implied, except that our services have been performed in accordance with the environmental principles generally accepted at this time and location.

CLOSING

Should you have any questions regarding this letter, or if we may be of further service, please contact us at your convenience.

Sincerely,

CORNERSTONE
EARTH GROUP

Cornerstone Earth Group, Inc.

Peter Langtry, P.G., C.E.G.
Principal Geologist

Attachments:	Figures Data Summary Tables Attachment A: Laboratory Data Sheets Attachment B: Arsenic UCL Calculation Spreadsheet
Copies:	Addressee (1 by email)

REFERENCES

Cal/EPA. Revised September 2010. *Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties.*

DTSC and Cal/EPA. Revised August 2002. *Interim Guidance for Sampling Agricultural Fields for School Sites.*

Kearney Foundation of Soil Science. March 1996. *Background Concentrations of Trace and Major Elements in California Soils.*

U.S. EPA. Revised May 2016. *Regional Screening Level (RSL) Summary Table.* http://www.epa.gov/region9/superfund/prg/

CORNERSTONE EARTH GROUP

Vicinity Map

3141 Taylor Road
Loomis, CA

Project Number	411-16-1
Figure Number	Figure 1
Date December 2016	Drawn By RRN

0 160 320

APPROXIMATE SCALE (FEET)

Legend

Approximate location of soil sample (SS)

Base by Google Earth, dated 7/10/2016
Overlay by RSC Engineering, Topographic Survey, dated October 2016

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Site Plan

3141 Taylor Road
Loomis, CA

Project Number	411-16-1
Figure Number	Figure 2
Date	December 2016
Drawn By	RRN

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DATA SUMMARY TABLE

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Table 1. Analytical Results of Selected Soil Samples: OCPs and Metals
(Concentrations in mg/kg)

Sample ID	Date	Depth (feet)	4,4´-DDD	4,4´-DDE	4,4´-DDT	DDT Total	Arsenic	Lead	Mercury
SS-1 (0-1/2')	12/16/2016	0-½	<0.0023	0.14	0.0201	0.1601	4.98	27.9	<0.50
SS-2 (0-1/2')	12/16/2016	0-½	<0.0057	0.0291	0.0117	0.0408	8.46	15.2	<0.50
SS-3 (0-1/2')	12/16/2016	0-½	<0.0023	0.0112	0.00458	0.01578	9.07	21.7	<0.50
SS-4 (0-1/2')	12/16/2016	0-½	<0.002	0.0456	0.0106	0.0562	**16.2**	28.2	<0.50
SS-5 (0-1/2')	12/16/2016	0-½	<0.0023	0.14	0.0167	0.1567	8.54	34.6	<0.50
SS-6 (0-1/2')	12/16/2016	0-½	<0.002	0.043	0.0194	0.0624	**13**	18.1	<0.50
SS-7 (0-1/2')	12/16/2016	0-½	<0.0023	0.426	0.0971	0.5231	**11**	31.6	<0.50
SS-8 (0-1/2')	12/16/2016	0-½	<0.0023	0.124	0.0265	0.1505	**12.1**	36.1	<0.50
SS-9 (0-1/2')	12/16/2016	0-½	<0.0023	0.444	0.0623	0.5063	9.06	21	<0.50
SS-10 (0-1/2')	12/16/2016	0-½	<0.0023	0.0937	0.0238	0.1175	9.56	12.3	<0.50
SS-11 (0-1/2')	12/16/2016	0-½	<0.002	0.00335	<0.002	0.00335	4.4	3.75	<0.50
SS-12 (0-1/2')	12/16/2016	0-½	<0.02	0.398	0.138	0.536	**29.2**	79.8	<0.50
SS-13 (0-1/2')	12/16/2016	0-½	<0.0017	0.0643	0.0146	0.0789	7.22	12.5	<0.50
SS-14 (0-1/2')	12/16/2016	0-½	0.0186	0.522	0.106	0.6466	6.37	23.4	<0.50
SS-15 (0-1/2')	12/16/2016	0-½	0.00694	0.0624	0.00694	0.07628	7.11	21.2	<0.50
SS-16 (0-1/2')	12/16/2016	0-½	<0.0023	0.315	0.0434	0.3584	**13.8**	43.1	<0.50
SS-17 (0-1/2')	12/16/2016	0-½	<0.0057	0.15	0.0339	0.1839	**11.5**	23.3	<0.50
SS-18 (0-1/2')	12/16/2016	0-½	<0.0023	0.013	<0.0023	0.013	4.07	9.35	<0.50
SS-19 (0-1/2')	12/16/2016	0-½	<0.002	0.0112	0.00772	0.01892	10.1	18.1	<0.50
SS-20 (0-1/2')	12/16/2016	0-½	<0.0023	0.0997	0.0152	0.1149	9.65	38.8	<0.50
SS-21 (0-1/2')	12/16/2016	0-½	<0.0023	0.0678	0.0114	0.0792	5.46	17.1	<0.50
SS-22 (0-1/2')	12/16/2016	0-½	<0.0023	0.259	0.0579	0.3169	**14.1**	32.3	<0.50
SS-23 (0-1/2')	12/16/2016	0-½	<0.0023	0.0228	0.0105	0.0333	8.2	12.1	<0.50
SS-24 (0-1/2')	12/16/2016	0-½	<0.0023	0.0368	0.0156	0.0524	7.27	13.5	<0.50
Screening Criteria			2.3	2.0	1.9	1.0	11	80	1.0
Basis			RSL [1]	RSL [1]	RSL [1]	TTLC [2]	BG [3]	DTSC-SL[4]	DTSC-SL[4]

1 Regional Screening Level (RSL), USEPA Region 9 - May 2016.
2 Total Threshold Limit Concentration - California Code of Regulations, Title 22.
3 Bradford, et. al. March 1996. Background Concentrations of Trace and Major Elements in California Soils. Background range of 0.6 mg/kg to 11 mg/kg, with an upper quartile of 4.7 mg/kg.
4 Recommended Screening Level (SL), HERO Note 3 - June 2016
< Not detected at or above laboratory reporting limit
NE Not Established
BOLD Concentration exceeds selected environmental screening criteria

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ATTACHMENT A – SOIL ANALYTICAL DATASHEETS

Torrent
LABORATORY, INC.

Cornerstone(Walnut Creek)
1270 Springbrook Rd., Ste. 101
Walnut Creek, California 94597
Tel: 925 988 9500
Fax: 925 988 9501

RE: 3141 Taylor Road SQ

Work Order No.: 1612152

Dear Peter Langtry:

Torrent Laboratory, Inc. received 12 sample(s) on December 16, 2016 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

December 21, 2016
Date

Torrent LABORATORY, INC.

Date: 12/21/2016

Client: Cornerstone(Walnut Creek)

Project: 3141 Taylor Road SQ

Work Order: 1612152

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.

Analytical Comments for method EPA 7471, 1612152-001A MSD, QC Analytical Preparation Batch ID 4109, Note:The % recovery for Mercury are 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.

Analytical Comments for method 8081, QC Analytical Preparation Batch ID 4103, Note: MS/MSD did not meet acceptance criteria for % recovery. The associated LCS/LCSD is within both % Recovery and %RPD limits. No corrective action required.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date Received: 12/16/16
Date Reported: 12/21/16

SS-1 (0-1/2') 1612152-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	4.98	mg/Kg
Lead	SW6010B	1	0.12	3.0	27.9	mg/Kg
4,4-DDE	SW8081A	4	0.78	8.0	140	ug/Kg
4,4-DDT	SW8081A	4	0.52	8.0	20.1	ug/Kg

SS-2 (0-1/2') 1612152-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	8.46	mg/Kg
Lead	SW6010B	1	0.12	3.0	15.2	mg/Kg
4,4-DDE	SW8081A	10	1.9	20	29.1	ug/Kg
4,4-DDT	SW8081A	10	1.3	20	11.7	ug/Kg

SS-3 (0-1/2') 1612152-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	9.07	mg/Kg
Lead	SW6010B	1	0.12	3.0	21.7	mg/Kg
4,4-DDE	SW8081A	4	0.78	8.0	11.2	ug/Kg
4,4-DDT	SW8081A	4	0.52	8.0	4.58	ug/Kg

SS-4 (0-1/2') 1612152-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	16.2	mg/Kg
Lead	SW6010B	1	0.12	3.0	28.2	mg/Kg
4,4-DDE	SW8081A	1	0.19	2.0	45.6	ug/Kg
4,4-DDT	SW8081A	1	0.13	2.0	10.6	ug/Kg

SS-5 (0-1/2') 1612152-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	8.54	mg/Kg
Lead	SW6010B	1	0.12	3.0	34.6	mg/Kg
4,4-DDE	SW8081A	4	0.78	8.0	140	ug/Kg
4,4-DDT	SW8081A	4	0.52	8.0	16.7	ug/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date Received: 12/16/16
Date Reported: 12/21/16

SS-6 (0-1/2') 1612152-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	13.0	mg/Kg
Lead	SW6010B	1	0.12	3.0	18.1	mg/Kg
4,4-DDE	SW8081A	1	0.19	2.0	43.0	ug/Kg
4,4-DDT	SW8081A	1	0.13	2.0	19.4	ug/Kg

SS-7 (0-1/2') 1612152-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	11.0	mg/Kg
Lead	SW6010B	1	0.12	3.0	31.6	mg/Kg
4,4-DDE	SW8081A	10	1.9	20	426	ug/Kg
4,4-DDT	SW8081A	4	0.52	8.0	97.1	ug/Kg

SS-8 (0-1/2') 1612152-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	12.1	mg/Kg
Lead	SW6010B	1	0.12	3.0	36.1	mg/Kg
4,4-DDE	SW8081A	4	0.78	8.0	124	ug/Kg
4,4-DDT	SW8081A	4	0.52	8.0	26.5	ug/Kg

SS-9 (0-1/2') 1612152-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	9.06	mg/Kg
Lead	SW6010B	1	0.12	3.0	21.0	mg/Kg
4,4-DDE	SW8081A	10	1.9	20	444	ug/Kg
4,4-DDT	SW8081A	4	0.52	8.0	62.3	ug/Kg

SS-10 (0-1/2') 1612152-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	9.56	mg/Kg
Lead	SW6010B	1	0.12	3.0	12.3	mg/Kg
4,4-DDE	SW8081A	4	0.78	8.0	93.7	ug/Kg
4,4-DDT	SW8081A	4	0.52	8.0	23.8	ug/Kg

SS-11 (0-1/2') 1612152-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	4.40	mg/Kg
Lead	SW6010B	1	0.12	3.0	3.75	mg/Kg
4,4-DDE	SW8081A	1	0.19	2.0	3.35	ug/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date Received: 12/16/16
Date Reported: 12/21/16

SS-12 (0-1/2') 1612152-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	29.2	mg/Kg
Lead	SW6010B	1	0.12	3.0	79.8	mg/Kg
4,4-DDE	SW8081A	10	1.9	20	398	ug/Kg
4,4-DDT	SW8081A	10	1.3	20	138	ug/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-1 (0-1/2')	**Lab Sample ID:**	1612152-001A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:15		
SDG:			

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**4.98**		mg/Kg	12/19/16	20:16	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**27.9**		mg/Kg	12/19/16	20:16	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

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	SW8081A	4	0.51	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
gamma-BHC (Lindane)	SW8081A	4	0.64	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
beta-BHC	SW8081A	4	1.3	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
delta-BHC	SW8081A	4	0.62	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
Heptachlor	SW8081A	4	0.42	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
Aldrin	SW8081A	4	0.78	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
Heptachlor Epoxide	SW8081A	4	0.31	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
gamma-Chlordane	SW8081A	4	0.65	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
alpha-Chlordane	SW8081A	4	0.69	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
4,4-DDE	SW8081A	4	0.78	8.0	**140**		ug/Kg	12/20/16	15:46	LA	421705
Endosulfan I	SW8081A	4	0.73	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
Dieldrin	SW8081A	4	0.59	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
Endrin	SW8081A	4	0.75	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
4,4-DDD	SW8081A	4	2.3	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
Endosulfan II	SW8081A	4	2.3	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
4,4-DDT	SW8081A	4	0.52	8.0	**20.1**		ug/Kg	12/20/16	15:46	LA	421705
Endrin Aldehyde	SW8081A	4	0.60	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
Methoxychlor	SW8081A	4	0.80	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
Endosulfan Sulfate	SW8081A	4	0.47	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
Endrin Ketone	SW8081A	4	0.38	8.0	ND		ug/Kg	12/20/16	15:46	LA	421705
Chlordane	SW8081A	4	8.4	80	ND		ug/Kg	12/20/16	15:46	LA	421705
Toxaphene	SW8081A	4	34	200	ND		ug/Kg	12/20/16	15:46	LA	421705
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**92.8**		ug/Kg	12/20/16	15:46	LA	421705
DCBP (S)	SW8081A		30 - 135		**108**		ug/Kg	12/20/16	15:46	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-1 (0-1/2')	**Lab Sample ID:**	1612152-001A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:15		
SDG:			

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

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-2 (0-1/2')	**Lab Sample ID:**	1612152-002A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:18		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:01	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**8.46**		mg/Kg	12/19/16	20:25	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**15.2**		mg/Kg	12/19/16	20:25	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

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	SW8081A	10	1.3	20	ND		ug/Kg	12/20/16	16:01	LA	421705
gamma-BHC (Lindane)	SW8081A	10	1.6	20	ND		ug/Kg	12/20/16	16:01	LA	421705
beta-BHC	SW8081A	10	3.2	20	ND		ug/Kg	12/20/16	16:01	LA	421705
delta-BHC	SW8081A	10	1.6	20	ND		ug/Kg	12/20/16	16:01	LA	421705
Heptachlor	SW8081A	10	1.1	20	ND		ug/Kg	12/20/16	16:01	LA	421705
Aldrin	SW8081A	10	2.0	20	ND		ug/Kg	12/20/16	16:01	LA	421705
Heptachlor Epoxide	SW8081A	10	0.78	20	ND		ug/Kg	12/20/16	16:01	LA	421705
gamma-Chlordane	SW8081A	10	1.6	20	ND		ug/Kg	12/20/16	16:01	LA	421705
alpha-Chlordane	SW8081A	10	1.7	20	ND		ug/Kg	12/20/16	16:01	LA	421705
4,4-DDE	SW8081A	10	1.9	20	**29.1**		ug/Kg	12/20/16	16:01	LA	421705
Endosulfan I	SW8081A	10	1.8	20	ND		ug/Kg	12/20/16	16:01	LA	421705
Dieldrin	SW8081A	10	1.5	20	ND		ug/Kg	12/20/16	16:01	LA	421705
Endrin	SW8081A	10	1.9	20	ND		ug/Kg	12/20/16	16:01	LA	421705
4,4-DDD	SW8081A	10	5.7	20	ND		ug/Kg	12/20/16	16:01	LA	421705
Endosulfan II	SW8081A	10	5.8	20	ND		ug/Kg	12/20/16	16:01	LA	421705
4,4-DDT	SW8081A	10	1.3	20	**11.7**	J	ug/Kg	12/20/16	16:01	LA	421705
Endrin Aldehyde	SW8081A	10	1.5	20	ND		ug/Kg	12/20/16	16:01	LA	421705
Methoxychlor	SW8081A	10	2.0	20	ND		ug/Kg	12/20/16	16:01	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-2 (0-1/2')	**Lab Sample ID:**	1612152-002A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:18		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/19/16 5:52:00PM
Prep Batch ID:	4103	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Endosulfan Sulfate	SW8081A	10	1.2	20	ND		ug/Kg	12/20/16	16:01	LA	421705
Endrin Ketone	SW8081A	10	0.94	20	ND		ug/Kg	12/20/16	16:01	LA	421705
Chlordane	SW8081A	10	21	200	ND		ug/Kg	12/20/16	16:01	LA	421705
Toxaphene	SW8081A	10	85	500	ND		ug/Kg	12/20/16	16:01	LA	421705
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**115**		ug/Kg	12/20/16	16:01	LA	421705
DCBP (S)	SW8081A		30 - 135		**133**		ug/Kg	12/20/16	16:01	LA	421705

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

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-3 (0-1/2')	**Lab Sample ID:**	1612152-003A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:21		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:03	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**9.07**		mg/Kg	12/19/16	20:28	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**21.7**		mg/Kg	12/19/16	20:28	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

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	SW8081A	4	0.51	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705
gamma-BHC (Lindane)	SW8081A	4	0.64	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705
beta-BHC	SW8081A	4	1.3	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705
delta-BHC	SW8081A	4	0.62	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705
Heptachlor	SW8081A	4	0.42	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705
Aldrin	SW8081A	4	0.78	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705
Heptachlor Epoxide	SW8081A	4	0.31	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705
gamma-Chlordane	SW8081A	4	0.65	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705
alpha-Chlordane	SW8081A	4	0.69	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705
4,4-DDE	SW8081A	4	0.78	8.0	**11.2**		ug/Kg	12/20/16	16:16	LA	421705
Endosulfan I	SW8081A	4	0.73	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705
Dieldrin	SW8081A	4	0.59	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705
Endrin	SW8081A	4	0.75	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705
4,4-DDD	SW8081A	4	2.3	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705
Endosulfan II	SW8081A	4	2.3	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705
4,4-DDT	SW8081A	4	0.52	8.0	**4.58**	J	ug/Kg	12/20/16	16:16	LA	421705
Endrin Aldehyde	SW8081A	4	0.60	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705
Methoxychlor	SW8081A	4	0.80	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-3 (0-1/2')	**Lab Sample ID:**	1612152-003A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:21		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/19/16 5:52:00PM
Prep Batch ID:	4103	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Endosulfan Sulfate	SW8081A	4	0.47	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705
Endrin Ketone	SW8081A	4	0.38	8.0	ND		ug/Kg	12/20/16	16:16	LA	421705
Chlordane	SW8081A	4	8.4	80	ND		ug/Kg	12/20/16	16:16	LA	421705
Toxaphene	SW8081A	4	34	200	ND		ug/Kg	12/20/16	16:16	LA	421705
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**92.0**		ug/Kg	12/20/16	16:16	LA	421705
DCBP (S)	SW8081A		30 - 135		**105**		ug/Kg	12/20/16	16:16	LA	421705

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

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-4 (0-1/2')	**Lab Sample ID:**	1612152-004A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:25		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:06	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**16.2**		mg/Kg	12/19/16	20:31	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**28.2**		mg/Kg	12/19/16	20:31	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081A	1	0.13	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705
gamma-BHC (Lindane)	SW8081A	1	0.16	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705
beta-BHC	SW8081A	1	0.32	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705
delta-BHC	SW8081A	1	0.16	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705
Heptachlor	SW8081A	1	0.11	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705
Aldrin	SW8081A	1	0.20	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705
Heptachlor Epoxide	SW8081A	1	0.078	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705
gamma-Chlordane	SW8081A	1	0.16	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705
alpha-Chlordane	SW8081A	1	0.17	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705
4,4-DDE	SW8081A	1	0.19	2.0	**45.6**		ug/Kg	12/20/16	16:31	LA	421705
Endosulfan I	SW8081A	1	0.18	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705
Dieldrin	SW8081A	1	0.15	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705
Endrin	SW8081A	1	0.19	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705
4,4-DDD	SW8081A	1	0.57	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705
Endosulfan II	SW8081A	1	0.58	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705
4,4-DDT	SW8081A	1	0.13	2.0	**10.6**		ug/Kg	12/20/16	16:31	LA	421705
Endrin Aldehyde	SW8081A	1	0.15	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705
Methoxychlor	SW8081A	1	0.20	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705
Endosulfan Sulfate	SW8081A	1	0.12	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-4 (0-1/2')	**Lab Sample ID:**	1612152-004A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:25		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/19/16 5:52:00PM
Prep Batch ID:	4103	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Endrin Ketone	SW8081A	1	0.094	2.0	ND		ug/Kg	12/20/16	16:31	LA	421705
Chlordane	SW8081A	1	2.1	20	ND		ug/Kg	12/20/16	16:31	LA	421705
Toxaphene	SW8081A	1	8.5	50	ND		ug/Kg	12/20/16	16:31	LA	421705
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**79.2**		ug/Kg	12/20/16	16:31	LA	421705
DCBP (S)	SW8081A		30 - 135		**90.2**		ug/Kg	12/20/16	16:31	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-5 (0-1/2')	**Lab Sample ID:**	1612152-005A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:28		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:08	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**8.54**		mg/Kg	12/19/16	20:34	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**34.6**		mg/Kg	12/19/16	20:34	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

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	SW8081A	4	0.51	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705
gamma-BHC (Lindane)	SW8081A	4	0.64	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705
beta-BHC	SW8081A	4	1.3	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705
delta-BHC	SW8081A	4	0.62	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705
Heptachlor	SW8081A	4	0.42	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705
Aldrin	SW8081A	4	0.78	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705
Heptachlor Epoxide	SW8081A	4	0.31	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705
gamma-Chlordane	SW8081A	4	0.65	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705
alpha-Chlordane	SW8081A	4	0.69	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705
4,4-DDE	SW8081A	4	0.78	8.0	**140**		ug/Kg	12/20/16	16:47	LA	421705
Endosulfan I	SW8081A	4	0.73	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705
Dieldrin	SW8081A	4	0.59	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705
Endrin	SW8081A	4	0.75	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705
4,4-DDD	SW8081A	4	2.3	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705
Endosulfan II	SW8081A	4	2.3	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705
4,4-DDT	SW8081A	4	0.52	8.0	**16.7**		ug/Kg	12/20/16	16:47	LA	421705
Endrin Aldehyde	SW8081A	4	0.60	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705
Methoxychlor	SW8081A	4	0.80	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-5 (0-1/2')	**Lab Sample ID:**	1612152-005A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:28		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/19/16 5:52:00PM
Prep Batch ID:	4103	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Endosulfan Sulfate	SW8081A	4	0.47	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705
Endrin Ketone	SW8081A	4	0.38	8.0	ND		ug/Kg	12/20/16	16:47	LA	421705
Chlordane	SW8081A	4	8.4	80	ND		ug/Kg	12/20/16	16:47	LA	421705
Toxaphene	SW8081A	4	34	200	ND		ug/Kg	12/20/16	16:47	LA	421705
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**94.1**		ug/Kg	12/20/16	16:47	LA	421705
DCBP (S)	SW8081A		30 - 135		**104**		ug/Kg	12/20/16	16:47	LA	421705

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

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-6 (0-1/2')	**Lab Sample ID:**	1612152-006A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:39		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:14	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**13.0**		mg/Kg	12/19/16	20:42	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**18.1**		mg/Kg	12/19/16	20:42	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081A	1	0.13	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705
gamma-BHC (Lindane)	SW8081A	1	0.16	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705
beta-BHC	SW8081A	1	0.32	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705
delta-BHC	SW8081A	1	0.16	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705
Heptachlor	SW8081A	1	0.11	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705
Aldrin	SW8081A	1	0.20	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705
Heptachlor Epoxide	SW8081A	1	0.078	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705
gamma-Chlordane	SW8081A	1	0.16	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705
alpha-Chlordane	SW8081A	1	0.17	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705
4,4-DDE	SW8081A	1	0.19	2.0	**43.0**		ug/Kg	12/20/16	17:02	LA	421705
Endosulfan I	SW8081A	1	0.18	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705
Dieldrin	SW8081A	1	0.15	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705
Endrin	SW8081A	1	0.19	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705
4,4-DDD	SW8081A	1	0.57	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705
Endosulfan II	SW8081A	1	0.58	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705
4,4-DDT	SW8081A	1	0.13	2.0	**19.4**		ug/Kg	12/20/16	17:02	LA	421705
Endrin Aldehyde	SW8081A	1	0.15	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705
Methoxychlor	SW8081A	1	0.20	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705
Endosulfan Sulfate	SW8081A	1	0.12	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-6 (0-1/2')	**Lab Sample ID:**	1612152-006A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:39		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/19/16 5:52:00PM
Prep Batch ID:	4103	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Endrin Ketone	SW8081A	1	0.094	2.0	ND		ug/Kg	12/20/16	17:02	LA	421705
Chlordane	SW8081A	1	2.1	20	ND		ug/Kg	12/20/16	17:02	LA	421705
Toxaphene	SW8081A	1	8.5	50	ND		ug/Kg	12/20/16	17:02	LA	421705
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**80.4**		ug/Kg	12/20/16	17:02	LA	421705
DCBP (S)	SW8081A		30 - 135		**92.7**		ug/Kg	12/20/16	17:02	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-7 (0-1/2')	**Lab Sample ID:**	1612152-007A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:42		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:16	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**11.0**		mg/Kg	12/19/16	20:45	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**31.6**		mg/Kg	12/19/16	20:45	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

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	SW8081A	4	0.51	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705
gamma-BHC (Lindane)	SW8081A	4	0.64	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705
beta-BHC	SW8081A	4	1.3	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705
delta-BHC	SW8081A	4	0.62	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705
Heptachlor	SW8081A	4	0.42	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705
Aldrin	SW8081A	4	0.78	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705
Heptachlor Epoxide	SW8081A	4	0.31	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705
gamma-Chlordane	SW8081A	4	0.65	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705
alpha-Chlordane	SW8081A	4	0.69	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705
Endosulfan I	SW8081A	4	0.73	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705
Dieldrin	SW8081A	4	0.59	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705
Endrin	SW8081A	4	0.75	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705
4,4-DDD	SW8081A	4	2.3	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705
Endosulfan II	SW8081A	4	2.3	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705
4,4-DDT	SW8081A	4	0.52	8.0	**97.1**		ug/Kg	12/20/16	17:17	LA	421705
Endrin Aldehyde	SW8081A	4	0.60	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705
Methoxychlor	SW8081A	4	0.80	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705
Endosulfan Sulfate	SW8081A	4	0.47	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-7 (0-1/2')	**Lab Sample ID:**	1612152-007A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:42		
SDG:			

Prep Method: 3546_OCP
Prep Batch ID: 4103
Prep Batch Date/Time: 12/19/16 5:52:00PM
Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Endrin Ketone	SW8081A	4	0.38	8.0	ND		ug/Kg	12/20/16	17:17	LA	421705
Chlordane	SW8081A	4	8.4	80	ND		ug/Kg	12/20/16	17:17	LA	421705
Toxaphene	SW8081A	4	34	200	ND		ug/Kg	12/20/16	17:17	LA	421705
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**91.3**		ug/Kg	12/20/16	17:17	LA	421705
DCBP (S)	SW8081A		30 - 135		**110**		ug/Kg	12/20/16	17:17	LA	421705

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

Prep Method: 3546_OCP
Prep Batch ID: 4103
Prep Batch Date/Time: 12/19/16 5:52:00PM
Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081A	10	1.9	20	**426**		ug/Kg	12/20/16	17:32	LA	421705

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

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-8 (0-1/2')	**Lab Sample ID:**	1612152-008A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:48		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:18	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**12.1**		mg/Kg	12/19/16	20:48	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**36.1**		mg/Kg	12/19/16	20:48	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

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	SW8081A	4	0.51	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705
gamma-BHC (Lindane)	SW8081A	4	0.64	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705
beta-BHC	SW8081A	4	1.3	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705
delta-BHC	SW8081A	4	0.62	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705
Heptachlor	SW8081A	4	0.42	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705
Aldrin	SW8081A	4	0.78	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705
Heptachlor Epoxide	SW8081A	4	0.31	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705
gamma-Chlordane	SW8081A	4	0.65	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705
alpha-Chlordane	SW8081A	4	0.69	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705
4,4-DDE	SW8081A	4	0.78	8.0	**124**		ug/Kg	12/20/16	17:47	LA	421705
Endosulfan I	SW8081A	4	0.73	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705
Dieldrin	SW8081A	4	0.59	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705
Endrin	SW8081A	4	0.75	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705
4,4-DDD	SW8081A	4	2.3	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705
Endosulfan II	SW8081A	4	2.3	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705
4,4-DDT	SW8081A	4	0.52	8.0	**26.5**		ug/Kg	12/20/16	17:47	LA	421705
Endrin Aldehyde	SW8081A	4	0.60	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705
Methoxychlor	SW8081A	4	0.80	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-8 (0-1/2')	**Lab Sample ID:**	1612152-008A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:48		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/19/16 5:52:00PM
Prep Batch ID:	4103	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Endosulfan Sulfate	SW8081A	4	0.47	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705
Endrin Ketone	SW8081A	4	0.38	8.0	ND		ug/Kg	12/20/16	17:47	LA	421705
Chlordane	SW8081A	4	8.4	80	ND		ug/Kg	12/20/16	17:47	LA	421705
Toxaphene	SW8081A	4	34	200	ND		ug/Kg	12/20/16	17:47	LA	421705
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**101**		ug/Kg	12/20/16	17:47	LA	421705
DCBP (S)	SW8081A		30 - 135		**102**		ug/Kg	12/20/16	17:47	LA	421705

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

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-9 (0-1/2')	**Lab Sample ID:**	1612152-009A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:51		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:20	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**9.06**		mg/Kg	12/19/16	20:51	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**21.0**		mg/Kg	12/19/16	20:51	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

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	SW8081A	4	0.51	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705
gamma-BHC (Lindane)	SW8081A	4	0.64	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705
beta-BHC	SW8081A	4	1.3	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705
delta-BHC	SW8081A	4	0.62	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705
Heptachlor	SW8081A	4	0.42	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705
Aldrin	SW8081A	4	0.78	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705
Heptachlor Epoxide	SW8081A	4	0.31	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705
gamma-Chlordane	SW8081A	4	0.65	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705
alpha-Chlordane	SW8081A	4	0.69	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705
Endosulfan I	SW8081A	4	0.73	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705
Dieldrin	SW8081A	4	0.59	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705
Endrin	SW8081A	4	0.75	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705
4,4-DDD	SW8081A	4	2.3	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705
Endosulfan II	SW8081A	4	2.3	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705
4,4-DDT	SW8081A	4	0.52	8.0	**62.3**		ug/Kg	12/20/16	18:03	LA	421705
Endrin Aldehyde	SW8081A	4	0.60	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705
Methoxychlor	SW8081A	4	0.80	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705
Endosulfan Sulfate	SW8081A	4	0.47	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-9 (0-1/2')	**Lab Sample ID:**	1612152-009A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:51		
SDG:			

Prep Method: 3546_OCP
Prep Batch ID: 4103
Prep Batch Date/Time: 12/19/16 5:52:00PM
Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Endrin Ketone	SW8081A	4	0.38	8.0	ND		ug/Kg	12/20/16	18:03	LA	421705
Chlordane	SW8081A	4	8.4	80	ND		ug/Kg	12/20/16	18:03	LA	421705
Toxaphene	SW8081A	4	34	200	ND		ug/Kg	12/20/16	18:03	LA	421705
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**95.0**		ug/Kg	12/20/16	18:03	LA	421705
DCBP (S)	SW8081A		30 - 135		**104**		ug/Kg	12/20/16	18:03	LA	421705

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

Prep Method: 3546_OCP
Prep Batch ID: 4103
Prep Batch Date/Time: 12/19/16 5:52:00PM
Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081A	10	1.9	20	**444**		ug/Kg	12/20/16	19:03	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-10 (0-1/2')	**Lab Sample ID:**	1612152-010A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:56		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:22	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**9.56**		mg/Kg	12/19/16	20:54	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**12.3**		mg/Kg	12/19/16	20:54	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

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	SW8081A	4	0.51	8.0	ND		ug/Kg	12/20/16	19:48	LA	421705
gamma-BHC (Lindane)	SW8081A	4	0.64	8.0	ND		ug/Kg	12/20/16	19:48	LA	421705
beta-BHC	SW8081A	4	1.3	8.0	ND		ug/Kg	12/20/16	19:48	LA	421705
delta-BHC	SW8081A	4	0.62	8.0	ND		ug/Kg	12/20/16	19:48	LA	421705
Heptachlor	SW8081A	4	0.42	8.0	ND		ug/Kg	12/20/16	19:48	LA	421705
Aldrin	SW8081A	4	0.78	8.0	ND		ug/Kg	12/20/16	19:48	LA	421705
Heptachlor Epoxide	SW8081A	4	0.31	8.0	ND		ug/Kg	12/20/16	19:48	LA	421705
gamma-Chlordane	SW8081A	4	0.65	8.0	ND		ug/Kg	12/20/16	19:48	LA	421705
alpha-Chlordane	SW8081A	4	0.69	8.0	ND		ug/Kg	12/20/16	19:48	LA	421705
4,4-DDE	SW8081A	4	0.78	8.0	**93.7**		ug/Kg	12/20/16	19:48	LA	421705
Endosulfan I	SW8081A	4	0.73	8.0	ND		ug/Kg	12/20/16	19:48	LA	421705
Dieldrin	SW8081A	4	0.59	8.0	ND		ug/Kg	12/20/16	19:48	LA	421705
Endrin	SW8081A	4	0.75	8.0	ND		ug/Kg	12/20/16	19:48	LA	421705
4,4-DDD	SW8081A	4	2.3	8.0	ND	J	ug/Kg	12/20/16	19:48	LA	421705
Endosulfan II	SW8081A	4	2.3	8.0	ND		ug/Kg	12/20/16	19:48	LA	421705
4,4-DDT	SW8081A	4	0.52	8.0	**23.8**		ug/Kg	12/20/16	19:48	LA	421705
Endrin Aldehyde	SW8081A	4	0.60	8.0	ND		ug/Kg	12/20/16	19:48	LA	421705
Methoxychlor	SW8081A	4	0.80	8.0	ND		ug/Kg	12/20/16	19:48	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-10 (0-1/2')	**Lab Sample ID:**	1612152-010A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:56		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/19/16 5:52:00PM
Prep Batch ID:	4103	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Endosulfan Sulfate	SW8081A	4	0.47	8.0	ND		ug/Kg	12/20/16	19:48	LA	421705
Endrin Ketone	SW8081A	4	0.38	8.0	ND		ug/Kg	12/20/16	19:48	LA	421705
Chlordane	SW8081A	4	8.4	80	ND		ug/Kg	12/20/16	19:48	LA	421705
Toxaphene	SW8081A	4	34	200	ND		ug/Kg	12/20/16	19:48	LA	421705
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**90.9**		ug/Kg	12/20/16	19:48	LA	421705
DCBP (S)	SW8081A		30 - 135		**103**		ug/Kg	12/20/16	19:48	LA	421705

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

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-11 (0-1/2')	**Lab Sample ID:**	1612152-011A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 11:02		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:24	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**4.40**		mg/Kg	12/19/16	20:57	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**3.75**		mg/Kg	12/19/16	20:57	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081A	1	0.13	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
gamma-BHC (Lindane)	SW8081A	1	0.16	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
beta-BHC	SW8081A	1	0.32	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
delta-BHC	SW8081A	1	0.16	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
Heptachlor	SW8081A	1	0.11	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
Aldrin	SW8081A	1	0.20	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
Heptachlor Epoxide	SW8081A	1	0.078	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
gamma-Chlordane	SW8081A	1	0.16	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
alpha-Chlordane	SW8081A	1	0.17	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
4,4-DDE	SW8081A	1	0.19	2.0	**3.35**		ug/Kg	12/20/16	20:03	LA	421705
Endosulfan I	SW8081A	1	0.18	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
Dieldrin	SW8081A	1	0.15	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
Endrin	SW8081A	1	0.19	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
4,4-DDD	SW8081A	1	0.57	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
Endosulfan II	SW8081A	1	0.58	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
4,4-DDT	SW8081A	1	0.13	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
Endrin Aldehyde	SW8081A	1	0.15	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
Methoxychlor	SW8081A	1	0.20	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
Endosulfan Sulfate	SW8081A	1	0.12	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-11 (0-1/2')	**Lab Sample ID:**	1612152-011A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 11:02		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/19/16 5:52:00PM
Prep Batch ID:	4103	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Endrin Ketone	SW8081A	1	0.094	2.0	ND		ug/Kg	12/20/16	20:03	LA	421705
Chlordane	SW8081A	1	2.1	20	ND		ug/Kg	12/20/16	20:03	LA	421705
Toxaphene	SW8081A	1	8.5	50	ND		ug/Kg	12/20/16	20:03	LA	421705
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**78.2**		ug/Kg	12/20/16	20:03	LA	421705
DCBP (S)	SW8081A		30 - 135		**93.8**		ug/Kg	12/20/16	20:03	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-12 (0-1/2')	**Lab Sample ID:**	1612152-012A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 11:06		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:26	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**29.2**		mg/Kg	12/19/16	21:00	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**79.8**		mg/Kg	12/19/16	21:00	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081A	10	1.3	20	ND		ug/Kg	12/20/16	20:34	LA	421705
gamma-BHC (Lindane)	SW8081A	10	1.6	20	ND		ug/Kg	12/20/16	20:34	LA	421705
beta-BHC	SW8081A	10	3.2	20	ND		ug/Kg	12/20/16	20:34	LA	421705
delta-BHC	SW8081A	10	1.6	20	ND		ug/Kg	12/20/16	20:34	LA	421705
Heptachlor	SW8081A	10	1.1	20	ND		ug/Kg	12/20/16	20:34	LA	421705
Aldrin	SW8081A	10	2.0	20	ND		ug/Kg	12/20/16	20:34	LA	421705
Heptachlor Epoxide	SW8081A	10	0.78	20	ND		ug/Kg	12/20/16	20:34	LA	421705
gamma-Chlordane	SW8081A	10	1.6	20	ND		ug/Kg	12/20/16	20:34	LA	421705
alpha-Chlordane	SW8081A	10	1.7	20	ND		ug/Kg	12/20/16	20:34	LA	421705
4,4-DDE	SW8081A	10	1.9	20	**398**		ug/Kg	12/20/16	20:34	LA	421705
Endosulfan I	SW8081A	10	1.8	20	ND		ug/Kg	12/20/16	20:34	LA	421705
Dieldrin	SW8081A	10	1.5	20	ND		ug/Kg	12/20/16	20:34	LA	421705
Endrin	SW8081A	10	1.9	20	ND		ug/Kg	12/20/16	20:34	LA	421705
4,4-DDD	SW8081A	10	5.7	20	ND		ug/Kg	12/20/16	20:34	LA	421705
Endosulfan II	SW8081A	10	5.8	20	ND		ug/Kg	12/20/16	20:34	LA	421705
4,4-DDT	SW8081A	10	1.3	20	**138**		ug/Kg	12/20/16	20:34	LA	421705
Endrin Aldehyde	SW8081A	10	1.5	20	ND		ug/Kg	12/20/16	20:34	LA	421705
Methoxychlor	SW8081A	10	2.0	20	ND		ug/Kg	12/20/16	20:34	LA	421705
Endosulfan Sulfate	SW8081A	10	1.2	20	ND		ug/Kg	12/20/16	20:34	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-12 (0-1/2')	**Lab Sample ID:**	1612152-012A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 11:06		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/19/16 5:52:00PM
Prep Batch ID:	4103	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Endrin Ketone	SW8081A	10	0.94	20	ND		ug/Kg	12/20/16	20:34	LA	421705
Chlordane	SW8081A	10	21	200	ND		ug/Kg	12/20/16	20:34	LA	421705
Toxaphene	SW8081A	10	85	500	ND		ug/Kg	12/20/16	20:34	LA	421705
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**109**		ug/Kg	12/20/16	20:34	LA	421705
DCBP (S)	SW8081A		30 - 135		**120**		ug/Kg	12/20/16	20:34	LA	421705

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1612152	**Prep Method:**	3050B	**Prep Date:**	12/19/16	**Prep Batch:**	4102
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	12/19/2016	**Analytical Batch:**	421675
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Arsenic	0.15	1.30	ND	
Lead	0.10	1.30	0.26	

Work Order:	1612152	**Prep Method:**	3546_OCP	**Prep Date:**	12/19/16	**Prep Batch:**	4103
Matrix:	Soil	**Analytical Method:**	SW8081A	**Analyzed Date:**	12/19/2016	**Analytical Batch:**	421704
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	0.183	
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)			80.0	
DCBP (S)			95.1	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1612152	**Prep Method:**	7471BP	**Prep Date:**	12/19/16	**Prep Batch:**	4109
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	12/20/2016	**Analytical Batch:**	421679
Units:	mg/Kg						

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

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1612152	**Prep Method:**	3050B	**Prep Date:**	12/19/16	**Prep Batch:**	4102
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	12/19/2016	**Analytical Batch:**	421675
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Arsenic	0.15	1.30	ND	50	93.3	91.4	2.16	80 - 120	30	
Lead	0.10	3.00	0.26	50	96.2	99.2	3.07	80 - 120	30	

Work Order:	1612152	**Prep Method:**	3546_OCP	**Prep Date:**	12/19/16	**Prep Batch:**	4103
Matrix:	Soil	**Analytical Method:**	SW8081A	**Analyzed Date:**	12/19/2016	**Analytical Batch:**	421704
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	88.5	86.5	2.29	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	86.2	84.0	2.64	40 - 130	30	
Aldrin	0.20	2.0	ND	40	85.3	83.9	1.48	25 - 140	30	
Dieldrin	0.15	2.0	ND	40	82.5	81.9	0.608	60 - 130	30	
Endrin	0.19	2.0	ND	40	92.2	92.4	0.271	55 - 135	30	
4,4-DDT	0.13	2.0	ND	40	90.5	89.3	1.39	45 - 140	30	
TCMX (S)				100	80.2	77.3		70 - 125		
DCBP (S)				100	97.3	86.7		30 - 135		

Work Order:	1612152	**Prep Method:**	7471BP	**Prep Date:**	12/19/16	**Prep Batch:**	4109
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	12/20/2016	**Analytical Batch:**	421679
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	94.3	93.1	1.71	80 - 120	30	

Torrent LABORATORY, INC.

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1612152	**Prep Method:**	3050B	**Prep Date:**	12/19/16	**Prep Batch:**	4102
Matrix:	**Soil**	**Analytical Method:**		**Analyzed Date:**		**Analytical Batch:**	421675
Spiked Sample:	1612152-001A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Arsenic	0.150	1.30	4.98	50	101	99.4	1.09	75 - 125	30	
Lead	0.120	3.00	27.9	50	95.5	98.5	1.96	75 - 125	30	

Work Order:	1612152	**Prep Method:**	3546_OCP	**Prep Date:**	12/19/16	**Prep Batch:**	4103
Matrix:	**Soil**	**Analytical Method:**		**Analyzed Date:**		**Analytical Batch:**	421705
Spiked Sample:	1612152-012A						
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)	1.59	20.0	ND	40	129	136	5.29	25 - 135	30	S
Heptachlor	1.05	20.0	ND	40	110	143	7.33	40 - 130	30	S
Aldrin	1.95	20.0	ND	40	130	134	2.66	25 - 140	30	
Dieldrin	1.48	20.0	ND	40	119	122	2.69	60 - 130	30	
Endrin	1.88	20.0	ND	40	115	144	4.79	55 - 135	30	S
4,4-DDT	1.29	20.0	ND	40	162	150	12.9	45 - 140	30	S
TCMX (S)				100	117	118		70 - 125		
DCBP (S)				100	134	142		30 - 135		S

Work Order:	1612152	**Prep Method:**	7471BP	**Prep Date:**	12/19/16	**Prep Batch:**	4109
Matrix:	**Soil**	**Analytical Method:**		**Analyzed Date:**		**Analytical Batch:**	421679
Spiked Sample:	1612152-001A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	75.0	85.4	14.3	75 - 125	30	

Torrent LABORATORY, INC.

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.

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

Torrent LABORATORY, INC.

Sample Receipt Checklist

Client Name: Cornerstone(Walnut Creek)

Project Name: 3141 Taylor Road SQ

Work Order No.: 1612152

Date and Time Received: 12/16/2016 2:02:00PM

Received By: Lorna Imbat

Physically Logged By: Lorna Imbat

Checklist Completed By:

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?	Yes	Temperature:	2.0	°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:

Torrent LABORATORY, INC.

Login Summary Report

Client ID: TL5508 Cornerstone(Walnut Creek)
Project Name: 3141 Taylor Road SQ
Project # : 411-16-1
Report Due Date: 12/21/2016

QC Level: II
TAT Requested: 3 Day Std:3
Date Received: 12/16/2016
Time Received: 2:02 pm

Comments:
Work Order # : ***1612152***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1612152-001A	SS-1 (0-1/2')	12/16/16 10:15	Soil	06/14/17			Met_S_AsPb Hg_S_7471B	
1612152-002A	SS-2 (0-1/2')	12/16/16 10:18	Soil	06/14/17			Hg_S_7471B Met_S_AsPb	
1612152-003A	SS-3 (0-1/2')	12/16/16 10:21	Soil	06/14/17			Hg_S_7471B Met_S_AsPb	
1612152-004A	SS-4 (0-1/2')	12/16/16 10:25	Soil	06/14/17			Hg_S_7471B Pest_S_8081OCP Met_S_AsPb	
1612152-005A	SS-5 (0-1/2')	12/16/16 10:28	Soil	06/14/17			Hg_S_7471B Met_S_AsPb	
1612152-006A	SS-6 (0-1/2')	12/16/16 10:39	Soil	06/14/17			Hg_S_7471B Pest_S_8081OCP Met_S_AsPb	
1612152-007A	SS-7 (0-1/2')	12/16/16 10:42	Soil	06/14/17			Hg_S_7471B Met_S_AsPb	
1612152-008A	SS-8 (0-1/2')	12/16/16 10:48	Soil	06/14/17			Hg_S_7471B Met_S_AsPb	
1612152-009A	SS-9 (0-1/2')	12/16/16 10:51	Soil	06/14/17			Hg_S_7471B Met_S_AsPb	
1612152-010A	SS-10 (0-1/2')	12/16/16 10:56	Soil	06/14/17			Hg_S_7471B Met_S_AsPb	
1612152-011A	SS-11 (0-1/2')	12/16/16 11:02	Soil	06/14/17			Hg_S_7471B Met_S_AsPb Pest_S_8081OCP	
1612152-012A	SS-12 (0-1/2')	12/16/16 11:06	Soil	06/14/17				

Torrent LABORATORY, INC.

Login Summary Report

Client ID:	TL5508	Cornerstone(Walnut Creek)	**QC Level:**	II
Project Name:	3141 Taylor Road SQ		**TAT Requested:**	3 Day Std:3
Project # :	411-16-1		**Date Received:**	12/16/2016
Report Due Date:	12/21/2016		**Time Received:**	2:02 pm

Comments:

Work Order # : ***1612152***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
							Hg_S_7471B Met_S_AsPb Pest_S_8081OCP	

Torrent LABORATORY, INC.

CORNERSTONE EARTH GROUP

Chain of Custody Record

1612152

	Project Manager: Peter Langtry	Site Sampler:	Date: 12/16/2016
Cornerstone Earth Group, Inc.	Tel/Fax: 925-988-9500 ext. 11	Lab Contact:	Lab: Torrent Laboratory Inc
1259 Oakmead Pkwy	Analysis Turnaround Time		
Sunnyvale, California 94085			
(408) 245-4600 Phone	TAT if different from Below _____		
(408) 245-4620 FAX	☐ 1 week		
Project Name: 3141 Taylor Road SQ	■ 3 days		
Site: Loomis, CA	☐ 2 days		
Project Number: 411-16-1	☐ 1 day		

COC No: 1 of 2 COCs

Laboratory's Job No.

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	OCPs (EPA 8081)	Arsenic, Lead & Mercury (EPA 6010/7000)	Laboratory's Sample Specific Notes:
SS-1 (0-½')	12/16/2016	10:15	Liner	Soil	1		X	X	-001A
SS-2 (0-½')	12/16/2016	10:18	Liner	Soil	1		X	X	-002A
SS-3 (0-½')	12/16/2016	10:21	Liner	Soil	1		X	X	-003A
SS-4 (0-½')	12/16/2016	10:25	Liner	Soil	1		X	X	-004A
SS-5 (0-½')	12/16/2016	10:28	Liner	Soil	1		X	X	-005A
SS-6 (0-½')	12/16/2016	10:39	Liner	Soil	1		X	X	-006A
SS-7 (0-½')	12/16/2016	10:42	Liner	Soil	1		X	X	-007A
SS-8 (0-½')	12/16/2016	10:48	Liner	Soil	1		X	X	-008A
SS-9 (0-½')	12/16/2016	10:51	Liner	Soil	1		X	X	-009A
SS-10 (0-½')	12/16/2016	10:56	Liner	Soil	1		X	X	-010A
SS-11 (0-½')	12/16/2016	11:02	Liner	Soil	1		X	X	-011A
SS-12 (0-½')	12/16/2016	11:06	Liner	Soil	1		X	X	-012A

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ■ *Unknown*

Sample Disposal
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: If additional sample is needed, please use the liner. If marked:

Relinquished by:	Company: Cornerstone Earth Group	Date/Time: 1422 12/16/2016	Received by: L. D. Imbat	Company: Torrent Laboratory, Inc.	Date/Time: 12/ /2016 12-16-16 1402
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

D/U Temp 2°C #1

Torrent LABORATORY, INC.

Cornerstone(Walnut Creek)
1270 Springbrook Rd., Ste. 101
Walnut Creek, California 94597
Tel: 925 988 9500
Fax: 925 988 9501

RE: 3141 Taylor Road SQ

Work Order No.: 1612153

Dear Peter Langtry:

Torrent Laboratory, Inc. received 12 sample(s) on December 16, 2016 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

December 21, 2016
Date

Torrent LABORATORY, INC.

Date: 12/21/2016

Client: Cornerstone(Walnut Creek)

Project: 3141 Taylor Road SQ

Work Order: 1612153

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.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date Received: 12/16/16
Date Reported: 12/21/16

SS-13 (0-1/2') 1612153-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	7.22	mg/Kg
Lead	SW6010B	1	0.12	3.0	12.5	mg/Kg
4,4-DDE	SW8081A	3	0.58	6.0	64.3	ug/Kg
4,4-DDT	SW8081A	3	0.39	6.0	14.6	ug/Kg

SS-14 (0-1/2') 1612153-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	6.37	mg/Kg
Lead	SW6010B	1	0.12	3.0	23.4	mg/Kg
4,4-DDE	SW8081A	10	1.9	20	522	ug/Kg
4,4-DDD	SW8081A	10	5.7	20	18.6	ug/Kg
4,4-DDT	SW8081A	10	1.3	20	106	ug/Kg

SS-15 (0-1/2') 1612153-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	7.11	mg/Kg
Lead	SW6010B	1	0.12	3.0	21.2	mg/Kg
4,4-DDE	SW8081A	10	1.9	20	62.4	ug/Kg
4,4-DDD	SW8081A	10	5.7	20	6.94	ug/Kg
4,4-DDT	SW8081A	10	1.3	20	6.94	ug/Kg

SS-16 (0-1/2') 1612153-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	13.8	mg/Kg
Lead	SW6010B	1	0.12	3.0	43.1	mg/Kg
4,4-DDE	SW8081A	10	1.9	20	315	ug/Kg
4,4-DDT	SW8081A	4	0.52	8.0	43.4	ug/Kg

SS-17 (0-1/2') 1612153-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	11.5	mg/Kg
Lead	SW6010B	1	0.12	3.0	23.3	mg/Kg
4,4-DDE	SW8081A	10	1.9	20	150	ug/Kg
4,4-DDT	SW8081A	10	1.3	20	33.9	ug/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date Received: 12/16/16
Date Reported: 12/21/16

SS-18 (0-1/2') 1612153-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	4.07	mg/Kg
Lead	SW6010B	1	0.12	3.0	9.35	mg/Kg
4,4-DDE	SW8081A	4	0.78	8.0	13.0	ug/Kg

SS-19 (0-1/2') 1612153-007

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	10.1	mg/Kg
Lead	SW6010B	1	0.12	3.0	18.1	mg/Kg
4,4-DDE	SW8081A	1	0.19	2.0	11.2	ug/Kg
4,4-DDT	SW8081A	1	0.13	2.0	7.72	ug/Kg

SS-20 (0-1/2') 1612153-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	9.65	mg/Kg
Lead	SW6010B	1	0.12	3.0	38.8	mg/Kg
4,4-DDE	SW8081A	4	0.78	8.0	97.7	ug/Kg
4,4-DDT	SW8081A	4	0.52	8.0	15.2	ug/Kg

SS-21 (0-1/2') 1612153-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	5.46	mg/Kg
Lead	SW6010B	1	0.12	3.0	17.1	mg/Kg
4,4-DDE	SW8081A	4	0.78	8.0	67.8	ug/Kg
4,4-DDT	SW8081A	4	0.52	8.0	11.4	ug/Kg

SS-22 (0-1/2') 1612153-010

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	14.1	mg/Kg
Lead	SW6010B	1	0.12	3.0	32.3	mg/Kg
4,4-DDE	SW8081A	10	1.9	20	259	ug/Kg
4,4-DDT	SW8081A	4	0.52	8.0	57.9	ug/Kg

SS-23 (0-1/2') 1612153-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	8.20	mg/Kg
Lead	SW6010B	1	0.12	3.0	12.1	mg/Kg
4,4-DDE	SW8081A	4	0.78	8.0	22.8	ug/Kg
4,4-DDT	SW8081A	4	0.52	8.0	10.5	ug/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date Received: 12/16/16
Date Reported: 12/21/16

SS-24 (0-1/2') 1612153-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.3	7.27	mg/Kg
Lead	SW6010B	1	0.12	3.0	13.5	mg/Kg
4,4-DDE	SW8081A	4	0.78	8.0	36.8	ug/Kg
4,4-DDT	SW8081A	4	0.52	8.0	15.6	ug/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-13 (0-1/2')	**Lab Sample ID:**	1612153-001A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 11:12		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:28	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**7.22**		mg/Kg	12/19/16	21:03	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**12.5**		mg/Kg	12/19/16	21:03	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

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	SW8081A	3	0.38	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705
gamma-BHC (Lindane)	SW8081A	3	0.48	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705
beta-BHC	SW8081A	3	0.95	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705
delta-BHC	SW8081A	3	0.47	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705
Heptachlor	SW8081A	3	0.32	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705
Aldrin	SW8081A	3	0.59	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705
Heptachlor Epoxide	SW8081A	3	0.23	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705
gamma-Chlordane	SW8081A	3	0.49	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705
alpha-Chlordane	SW8081A	3	0.52	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705
4,4-DDE	SW8081A	3	0.58	6.0	**64.3**		ug/Kg	12/20/16	21:19	LA	421705
Endosulfan I	SW8081A	3	0.55	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705
Dieldrin	SW8081A	3	0.44	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705
Endrin	SW8081A	3	0.56	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705
4,4-DDD	SW8081A	3	1.7	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705
Endosulfan II	SW8081A	3	1.7	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705
4,4-DDT	SW8081A	3	0.39	6.0	**14.6**		ug/Kg	12/20/16	21:19	LA	421705
Endrin Aldehyde	SW8081A	3	0.45	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705
Methoxychlor	SW8081A	3	0.60	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-13 (0-1/2')	**Lab Sample ID:**	1612153-001A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 11:12		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/19/16 5:52:00PM
Prep Batch ID:	4103	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Endosulfan Sulfate	SW8081A	3	0.35	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705
Endrin Ketone	SW8081A	3	0.28	6.0	ND		ug/Kg	12/20/16	21:19	LA	421705
Chlordane	SW8081A	3	6.3	60	ND		ug/Kg	12/20/16	21:19	LA	421705
Toxaphene	SW8081A	3	26	150	ND		ug/Kg	12/20/16	21:19	LA	421705
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**82.2**		ug/Kg	12/20/16	21:19	LA	421705
DCBP (S)	SW8081A		30 - 135		**123**		ug/Kg	12/20/16	21:19	LA	421705

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

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-14 (0-1/2')	**Lab Sample ID:**	1612153-002A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 11:26		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:30	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**6.37**		mg/Kg	12/19/16	21:05	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**23.4**		mg/Kg	12/19/16	21:05	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

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	SW8081A	10	1.3	20	ND		ug/Kg	12/20/16	21:34	LA	421705
gamma-BHC (Lindane)	SW8081A	10	1.6	20	ND		ug/Kg	12/20/16	21:34	LA	421705
beta-BHC	SW8081A	10	3.2	20	ND		ug/Kg	12/20/16	21:34	LA	421705
delta-BHC	SW8081A	10	1.6	20	ND		ug/Kg	12/20/16	21:34	LA	421705
Heptachlor	SW8081A	10	1.1	20	ND		ug/Kg	12/20/16	21:34	LA	421705
Aldrin	SW8081A	10	2.0	20	ND		ug/Kg	12/20/16	21:34	LA	421705
Heptachlor Epoxide	SW8081A	10	0.78	20	ND		ug/Kg	12/20/16	21:34	LA	421705
gamma-Chlordane	SW8081A	10	1.6	20	ND		ug/Kg	12/20/16	21:34	LA	421705
alpha-Chlordane	SW8081A	10	1.7	20	ND		ug/Kg	12/20/16	21:34	LA	421705
4,4-DDE	SW8081A	10	1.9	20	**522**		ug/Kg	12/20/16	21:34	LA	421705
Endosulfan I	SW8081A	10	1.8	20	ND		ug/Kg	12/20/16	21:34	LA	421705
Dieldrin	SW8081A	10	1.5	20	ND		ug/Kg	12/20/16	21:34	LA	421705
Endrin	SW8081A	10	1.9	20	ND		ug/Kg	12/20/16	21:34	LA	421705
4,4-DDD	SW8081A	10	5.7	20	**18.6**	J	ug/Kg	12/20/16	21:34	LA	421705
Endosulfan II	SW8081A	10	5.8	20	ND		ug/Kg	12/20/16	21:34	LA	421705
4,4-DDT	SW8081A	10	1.3	20	**106**		ug/Kg	12/20/16	21:34	LA	421705
Endrin Aldehyde	SW8081A	10	1.5	20	ND		ug/Kg	12/20/16	21:34	LA	421705
Methoxychlor	SW8081A	10	2.0	20	ND		ug/Kg	12/20/16	21:34	LA	421705

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-14 (0-1/2')	**Lab Sample ID:**	1612153-002A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 11:26		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/19/16 5:52:00PM
Prep Batch ID:	4103	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Endosulfan Sulfate	SW8081A	10	1.2	20	ND		ug/Kg	12/20/16	21:34	LA	421705
Endrin Ketone	SW8081A	10	0.94	20	ND		ug/Kg	12/20/16	21:34	LA	421705
Chlordane	SW8081A	10	21	200	ND		ug/Kg	12/20/16	21:34	LA	421705
Toxaphene	SW8081A	10	85	500	ND		ug/Kg	12/20/16	21:34	LA	421705
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**111**		ug/Kg	12/20/16	21:34	LA	421705
DCBP (S)	SW8081A		30 - 135		**127**		ug/Kg	12/20/16	21:34	LA	421705

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

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-15 (0-1/2')	**Lab Sample ID:**	1612153-003A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 11:23		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:32	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**7.11**		mg/Kg	12/19/16	21:08	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**21.2**		mg/Kg	12/19/16	21:08	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

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	SW8081A	10	1.3	20	ND		ug/Kg	12/21/16	14:34	LA	421708
gamma-BHC (Lindane)	SW8081A	10	1.6	20	ND		ug/Kg	12/21/16	14:34	LA	421708
beta-BHC	SW8081A	10	3.2	20	ND		ug/Kg	12/21/16	14:34	LA	421708
delta-BHC	SW8081A	10	1.6	20	ND		ug/Kg	12/21/16	14:34	LA	421708
Heptachlor	SW8081A	10	1.1	20	ND		ug/Kg	12/21/16	14:34	LA	421708
Aldrin	SW8081A	10	2.0	20	ND		ug/Kg	12/21/16	14:34	LA	421708
Heptachlor Epoxide	SW8081A	10	0.78	20	ND		ug/Kg	12/21/16	14:34	LA	421708
gamma-Chlordane	SW8081A	10	1.6	20	ND		ug/Kg	12/21/16	14:34	LA	421708
alpha-Chlordane	SW8081A	10	1.7	20	ND		ug/Kg	12/21/16	14:34	LA	421708
4,4-DDE	SW8081A	10	1.9	20	**62.4**		ug/Kg	12/21/16	14:34	LA	421708
Endosulfan I	SW8081A	10	1.8	20	ND		ug/Kg	12/21/16	14:34	LA	421708
Dieldrin	SW8081A	10	1.5	20	ND		ug/Kg	12/21/16	14:34	LA	421708
Endrin	SW8081A	10	1.9	20	ND		ug/Kg	12/21/16	14:34	LA	421708
4,4-DDD	SW8081A	10	5.7	20	**6.94**	J	ug/Kg	12/21/16	14:34	LA	421708
Endosulfan II	SW8081A	10	5.8	20	ND		ug/Kg	12/21/16	14:34	LA	421708
4,4-DDT	SW8081A	10	1.3	20	**6.94**	J	ug/Kg	12/21/16	14:34	LA	421708
Endrin Aldehyde	SW8081A	10	1.5	20	ND		ug/Kg	12/21/16	14:34	LA	421708
Methoxychlor	SW8081A	10	2.0	20	ND		ug/Kg	12/21/16	14:34	LA	421708

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-15 (0-1/2')	**Lab Sample ID:**	1612153-003A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 11:23		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/19/16 5:52:00PM
Prep Batch ID:	4103	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Endosulfan Sulfate	SW8081A	10	1.2	20	ND		ug/Kg	12/21/16	14:34	LA	421708
Endrin Ketone	SW8081A	10	0.94	20	ND		ug/Kg	12/21/16	14:34	LA	421708
Chlordane	SW8081A	10	21	200	ND		ug/Kg	12/21/16	14:34	LA	421708
Toxaphene	SW8081A	10	85	500	ND		ug/Kg	12/21/16	14:34	LA	421708
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**119**		ug/Kg	12/21/16	14:34	LA	421708
DCBP (S)	SW8081A		30 - 135		**114**		ug/Kg	12/21/16	14:34	LA	421708

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

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-16 (0-1/2')	**Lab Sample ID:**	1612153-004A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 11:19		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:38	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**13.8**		mg/Kg	12/19/16	21:19	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**43.1**		mg/Kg	12/19/16	21:19	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

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	SW8081A	4	0.51	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708
gamma-BHC (Lindane)	SW8081A	4	0.64	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708
beta-BHC	SW8081A	4	1.3	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708
delta-BHC	SW8081A	4	0.62	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708
Heptachlor	SW8081A	4	0.42	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708
Aldrin	SW8081A	4	0.78	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708
Heptachlor Epoxide	SW8081A	4	0.31	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708
gamma-Chlordane	SW8081A	4	0.65	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708
alpha-Chlordane	SW8081A	4	0.69	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708
Endosulfan I	SW8081A	4	0.73	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708
Dieldrin	SW8081A	4	0.59	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708
Endrin	SW8081A	4	0.75	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708
4,4-DDD	SW8081A	4	2.3	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708
Endosulfan II	SW8081A	4	2.3	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708
4,4-DDT	SW8081A	4	0.52	8.0	**43.4**		ug/Kg	12/21/16	15:04	LA	421708
Endrin Aldehyde	SW8081A	4	0.60	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708
Methoxychlor	SW8081A	4	0.80	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708
Endosulfan Sulfate	SW8081A	4	0.47	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-16 (0-1/2')	**Lab Sample ID:**	1612153-004A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 11:19		
SDG:			

Prep Method: 3546_OCP
Prep Batch ID: 4103
Prep Batch Date/Time: 12/19/16 5:52:00PM
Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Endrin Ketone	SW8081A	4	0.38	8.0	ND		ug/Kg	12/21/16	15:04	LA	421708
Chlordane	SW8081A	4	8.4	80	ND		ug/Kg	12/21/16	15:04	LA	421708
Toxaphene	SW8081A	4	34	200	ND		ug/Kg	12/21/16	15:04	LA	421708
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**97.1**		ug/Kg	12/21/16	15:04	LA	421708
DCBP (S)	SW8081A		30 - 135		**107**		ug/Kg	12/21/16	15:04	LA	421708

Prep Method: 3546_OCP
Prep Batch ID: 4103
Prep Batch Date/Time: 12/19/16 5:52:00PM
Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081A	10	1.9	20	**315**		ug/Kg	12/21/16	17:13	LA	421708

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

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-17 (0-1/2')	**Lab Sample ID:**	1612153-005A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:00		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:40	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**11.5**		mg/Kg	12/19/16	21:21	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**23.3**		mg/Kg	12/19/16	21:21	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081A	10	1.3	20	ND		ug/Kg	12/21/16	17:29	LA	421708
gamma-BHC (Lindane)	SW8081A	10	1.6	20	ND		ug/Kg	12/21/16	17:29	LA	421708
beta-BHC	SW8081A	10	3.2	20	ND		ug/Kg	12/21/16	17:29	LA	421708
delta-BHC	SW8081A	10	1.6	20	ND		ug/Kg	12/21/16	17:29	LA	421708
Heptachlor	SW8081A	10	1.1	20	ND		ug/Kg	12/21/16	17:29	LA	421708
Aldrin	SW8081A	10	2.0	20	ND		ug/Kg	12/21/16	17:29	LA	421708
Heptachlor Epoxide	SW8081A	10	0.78	20	ND		ug/Kg	12/21/16	17:29	LA	421708
gamma-Chlordane	SW8081A	10	1.6	20	ND		ug/Kg	12/21/16	17:29	LA	421708
alpha-Chlordane	SW8081A	10	1.7	20	ND		ug/Kg	12/21/16	17:29	LA	421708
4,4-DDE	SW8081A	10	1.9	20	**150**		ug/Kg	12/21/16	17:29	LA	421708
Endosulfan I	SW8081A	10	1.8	20	ND		ug/Kg	12/21/16	17:29	LA	421708
Dieldrin	SW8081A	10	1.5	20	ND		ug/Kg	12/21/16	17:29	LA	421708
Endrin	SW8081A	10	1.9	20	ND		ug/Kg	12/21/16	17:29	LA	421708
4,4-DDD	SW8081A	10	5.7	20	ND		ug/Kg	12/21/16	17:29	LA	421708
Endosulfan II	SW8081A	10	5.8	20	ND		ug/Kg	12/21/16	17:29	LA	421708
4,4-DDT	SW8081A	10	1.3	20	**33.9**		ug/Kg	12/21/16	17:29	LA	421708
Endrin Aldehyde	SW8081A	10	1.5	20	ND		ug/Kg	12/21/16	17:29	LA	421708
Methoxychlor	SW8081A	10	2.0	20	ND		ug/Kg	12/21/16	17:29	LA	421708
Endosulfan Sulfate	SW8081A	10	1.2	20	ND		ug/Kg	12/21/16	17:29	LA	421708

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-17 (0-1/2')	**Lab Sample ID:**	1612153-005A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 10:00		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/19/16 5:52:00PM
Prep Batch ID:	4103	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Endrin Ketone	SW8081A	10	0.94	20	ND		ug/Kg	12/21/16	17:29	LA	421708
Chlordane	SW8081A	10	21	200	ND		ug/Kg	12/21/16	17:29	LA	421708
Toxaphene	SW8081A	10	85	500	ND		ug/Kg	12/21/16	17:29	LA	421708
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**118**		ug/Kg	12/21/16	17:29	LA	421708
DCBP (S)	SW8081A		30 - 135		**131**		ug/Kg	12/21/16	17:29	LA	421708

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-18 (0-1/2')	**Lab Sample ID:**	1612153-006A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 9:55		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:42	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**4.07**		mg/Kg	12/19/16	21:24	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**9.35**		mg/Kg	12/19/16	21:24	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081A	4	0.51	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
gamma-BHC (Lindane)	SW8081A	4	0.64	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
beta-BHC	SW8081A	4	1.3	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
delta-BHC	SW8081A	4	0.62	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
Heptachlor	SW8081A	4	0.42	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
Aldrin	SW8081A	4	0.78	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
Heptachlor Epoxide	SW8081A	4	0.31	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
gamma-Chlordane	SW8081A	4	0.65	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
alpha-Chlordane	SW8081A	4	0.69	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
4,4-DDE	SW8081A	4	0.78	8.0	**13.0**		ug/Kg	12/21/16	17:44	LA	421708
Endosulfan I	SW8081A	4	0.73	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
Dieldrin	SW8081A	4	0.59	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
Endrin	SW8081A	4	0.75	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
4,4-DDD	SW8081A	4	2.3	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
Endosulfan II	SW8081A	4	2.3	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
4,4-DDT	SW8081A	4	0.52	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
Endrin Aldehyde	SW8081A	4	0.60	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
Methoxychlor	SW8081A	4	0.80	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
Endosulfan Sulfate	SW8081A	4	0.47	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-18 (0-1/2')	**Lab Sample ID:**	1612153-006A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 9:55		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/19/16 5:52:00PM
Prep Batch ID:	4103	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Endrin Ketone	SW8081A	4	0.38	8.0	ND		ug/Kg	12/21/16	17:44	LA	421708
Chlordane	SW8081A	4	8.4	80	ND		ug/Kg	12/21/16	17:44	LA	421708
Toxaphene	SW8081A	4	34	200	ND		ug/Kg	12/21/16	17:44	LA	421708
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**89.8**		ug/Kg	12/21/16	17:44	LA	421708
DCBP (S)	SW8081A		30 - 135		**115**		ug/Kg	12/21/16	17:44	LA	421708

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-19 (0-1/2')	**Lab Sample ID:**	1612153-007A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 9:43		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 1:45:00PM
Prep Batch ID: 4109 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	11:44	BJAY	421679

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 1:30:00PM
Prep Batch ID: 4102 — **Prep Analyst:** PPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**10.1**		mg/Kg	12/19/16	21:28	PPATEL	421675
Lead	SW6010B	1	0.12	3.0	**18.1**		mg/Kg	12/19/16	21:28	PPATEL	421675

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
alpha-BHC	SW8081A	1	0.13	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708
gamma-BHC (Lindane)	SW8081A	1	0.16	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708
beta-BHC	SW8081A	1	0.32	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708
delta-BHC	SW8081A	1	0.16	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708
Heptachlor	SW8081A	1	0.11	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708
Aldrin	SW8081A	1	0.20	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708
Heptachlor Epoxide	SW8081A	1	0.078	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708
gamma-Chlordane	SW8081A	1	0.16	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708
alpha-Chlordane	SW8081A	1	0.17	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708
4,4-DDE	SW8081A	1	0.19	2.0	**11.2**		ug/Kg	12/21/16	17:59	LA	421708
Endosulfan I	SW8081A	1	0.18	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708
Dieldrin	SW8081A	1	0.15	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708
Endrin	SW8081A	1	0.19	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708
4,4-DDD	SW8081A	1	0.57	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708
Endosulfan II	SW8081A	1	0.58	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708
4,4-DDT	SW8081A	1	0.13	2.0	**7.72**		ug/Kg	12/21/16	17:59	LA	421708
Endrin Aldehyde	SW8081A	1	0.15	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708
Methoxychlor	SW8081A	1	0.20	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708
Endosulfan Sulfate	SW8081A	1	0.12	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-19 (0-1/2')	**Lab Sample ID:**	1612153-007A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 9:43		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/19/16 5:52:00PM
Prep Batch ID:	4103	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Endrin Ketone	SW8081A	1	0.094	2.0	ND		ug/Kg	12/21/16	17:59	LA	421708
Chlordane	SW8081A	1	2.1	20	ND		ug/Kg	12/21/16	17:59	LA	421708
Toxaphene	SW8081A	1	8.5	50	ND		ug/Kg	12/21/16	17:59	LA	421708
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**78.6**		ug/Kg	12/21/16	17:59	LA	421708
DCBP (S)	SW8081A		30 - 135		**94.6**		ug/Kg	12/21/16	17:59	LA	421708

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-20 (0-1/2')	**Lab Sample ID:**	1612153-008A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 9:38		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 6:00:00PM
Prep Batch ID: 4110 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	12:27	BJAY	421680

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 6:10:00PM
Prep Batch ID: 4123 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**9.65**		mg/Kg	12/20/16	23:00	PPATEL	421690
Lead	SW6010B	1	0.12	3.0	**38.8**		mg/Kg	12/20/16	23:00	PPATEL	421690

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/19/16 5:52:00PM
Prep Batch ID: 4103 — **Prep Analyst:** SNARASIMHAN

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	SW8081A	4	0.51	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708
gamma-BHC (Lindane)	SW8081A	4	0.64	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708
beta-BHC	SW8081A	4	1.3	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708
delta-BHC	SW8081A	4	0.62	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708
Heptachlor	SW8081A	4	0.42	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708
Aldrin	SW8081A	4	0.78	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708
Heptachlor Epoxide	SW8081A	4	0.31	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708
gamma-Chlordane	SW8081A	4	0.65	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708
alpha-Chlordane	SW8081A	4	0.69	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708
4,4-DDE	SW8081A	4	0.78	8.0	**97.7**		ug/Kg	12/21/16	12:44	LA	421708
Endosulfan I	SW8081A	4	0.73	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708
Dieldrin	SW8081A	4	0.59	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708
Endrin	SW8081A	4	0.75	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708
4,4-DDD	SW8081A	4	2.3	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708
Endosulfan II	SW8081A	4	2.3	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708
4,4-DDT	SW8081A	4	0.52	8.0	**15.2**		ug/Kg	12/21/16	12:44	LA	421708
Endrin Aldehyde	SW8081A	4	0.60	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708
Methoxychlor	SW8081A	4	0.80	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-20 (0-1/2')	**Lab Sample ID:**	1612153-008A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 9:38		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/19/16 5:52:00PM
Prep Batch ID:	4103	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Endosulfan Sulfate	SW8081A	4	0.47	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708
Endrin Ketone	SW8081A	4	0.38	8.0	ND		ug/Kg	12/21/16	12:44	LA	421708
Chlordane	SW8081A	4	8.4	80	ND		ug/Kg	12/21/16	12:44	LA	421708
Toxaphene	SW8081A	4	34	200	ND		ug/Kg	12/21/16	12:44	LA	421708
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**97.3**		ug/Kg	12/21/16	12:44	LA	421708
DCBP (S)	SW8081A		30 - 135		**111**		ug/Kg	12/21/16	12:44	LA	421708

NOTE: S-surrogate outside of control limits due to possible matrix interference

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-21 (0-1/2')	**Lab Sample ID:**	1612153-009A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 9:34		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 6:00:00PM
Prep Batch ID: 4110 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	12:29	BJAY	421680

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 6:10:00PM
Prep Batch ID: 4123 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**5.46**		mg/Kg	12/20/16	23:03	PPATEL	421690
Lead	SW6010B	1	0.12	3.0	**17.1**		mg/Kg	12/20/16	23:03	PPATEL	421690

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/20/16 6:35:00PM
Prep Batch ID: 4129 — **Prep Analyst:** SNARASIMHAN

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	SW8081A	4	0.51	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708
gamma-BHC (Lindane)	SW8081A	4	0.64	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708
beta-BHC	SW8081A	4	1.3	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708
delta-BHC	SW8081A	4	0.62	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708
Heptachlor	SW8081A	4	0.42	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708
Aldrin	SW8081A	4	0.78	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708
Heptachlor Epoxide	SW8081A	4	0.31	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708
gamma-Chlordane	SW8081A	4	0.65	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708
alpha-Chlordane	SW8081A	4	0.69	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708
4,4-DDE	SW8081A	4	0.78	8.0	**67.8**		ug/Kg	12/21/16	13:00	LA	421708
Endosulfan I	SW8081A	4	0.73	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708
Dieldrin	SW8081A	4	0.59	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708
Endrin	SW8081A	4	0.75	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708
4,4-DDD	SW8081A	4	2.3	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708
Endosulfan II	SW8081A	4	2.3	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708
4,4-DDT	SW8081A	4	0.52	8.0	**11.4**		ug/Kg	12/21/16	13:00	LA	421708
Endrin Aldehyde	SW8081A	4	0.60	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708
Methoxychlor	SW8081A	4	0.80	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-21 (0-1/2')	**Lab Sample ID:**	1612153-009A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 9:34		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/20/16 6:35:00PM
Prep Batch ID:	4129	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Endosulfan Sulfate	SW8081A	4	0.47	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708
Endrin Ketone	SW8081A	4	0.38	8.0	ND		ug/Kg	12/21/16	13:00	LA	421708
Chlordane	SW8081A	4	8.4	80	ND		ug/Kg	12/21/16	13:00	LA	421708
Toxaphene	SW8081A	4	34	200	ND		ug/Kg	12/21/16	13:00	LA	421708
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**95.0**		ug/Kg	12/21/16	13:00	LA	421708
DCBP (S)	SW8081A		30 - 135		**110**		ug/Kg	12/21/16	13:00	LA	421708

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

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-22 (0-1/2')	**Lab Sample ID:**	1612153-010A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 9:26		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 6:00:00PM
Prep Batch ID: 4110 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	12:31	BJAY	421680

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 6:10:00PM
Prep Batch ID: 4123 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**14.1**		mg/Kg	12/20/16	23:06	PPATEL	421690
Lead	SW6010B	1	0.12	3.0	**32.3**		mg/Kg	12/20/16	23:06	PPATEL	421690

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/20/16 6:35:00PM
Prep Batch ID: 4129 — **Prep Analyst:** SNARASIMHAN

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	SW8081A	4	0.51	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708
gamma-BHC (Lindane)	SW8081A	4	0.64	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708
beta-BHC	SW8081A	4	1.3	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708
delta-BHC	SW8081A	4	0.62	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708
Heptachlor	SW8081A	4	0.42	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708
Aldrin	SW8081A	4	0.78	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708
Heptachlor Epoxide	SW8081A	4	0.31	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708
gamma-Chlordane	SW8081A	4	0.65	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708
alpha-Chlordane	SW8081A	4	0.69	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708
Endosulfan I	SW8081A	4	0.73	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708
Dieldrin	SW8081A	4	0.59	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708
Endrin	SW8081A	4	0.75	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708
4,4-DDD	SW8081A	4	2.3	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708
Endosulfan II	SW8081A	4	2.3	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708
4,4-DDT	SW8081A	4	0.52	8.0	**57.9**		ug/Kg	12/21/16	13:15	LA	421708
Endrin Aldehyde	SW8081A	4	0.60	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708
Methoxychlor	SW8081A	4	0.80	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708
Endosulfan Sulfate	SW8081A	4	0.47	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-22 (0-1/2')	**Lab Sample ID:**	1612153-010A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 9:26		
SDG:			

Prep Method: 3546_OCP
Prep Batch ID: 4129
Prep Batch Date/Time: 12/20/16 6:35:00PM
Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Endrin Ketone	SW8081A	4	0.38	8.0	ND		ug/Kg	12/21/16	13:15	LA	421708
Chlordane	SW8081A	4	8.4	80	ND		ug/Kg	12/21/16	13:15	LA	421708
Toxaphene	SW8081A	4	34	200	ND		ug/Kg	12/21/16	13:15	LA	421708
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**100**		ug/Kg	12/21/16	13:15	LA	421708
DCBP (S)	SW8081A		30 - 135		**115**		ug/Kg	12/21/16	13:15	LA	421708

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

Prep Method: 3546_OCP
Prep Batch ID: 4129
Prep Batch Date/Time: 12/20/16 6:35:00PM
Prep Analyst: SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
4,4-DDE	SW8081A	10	1.9	20	**259**		ug/Kg	12/21/16	18:14	LA	421708

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-23 (0-1/2')	**Lab Sample ID:**	1612153-011A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 9:23		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 6:00:00PM
Prep Batch ID: 4110 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	12:33	BJAY	421680

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 6:10:00PM
Prep Batch ID: 4123 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**8.20**		mg/Kg	12/20/16	23:08	PPATEL	421690
Lead	SW6010B	1	0.12	3.0	**12.1**		mg/Kg	12/20/16	23:08	PPATEL	421690

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/20/16 6:35:00PM
Prep Batch ID: 4129 — **Prep Analyst:** SNARASIMHAN

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	SW8081A	4	0.51	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708
gamma-BHC (Lindane)	SW8081A	4	0.64	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708
beta-BHC	SW8081A	4	1.3	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708
delta-BHC	SW8081A	4	0.62	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708
Heptachlor	SW8081A	4	0.42	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708
Aldrin	SW8081A	4	0.78	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708
Heptachlor Epoxide	SW8081A	4	0.31	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708
gamma-Chlordane	SW8081A	4	0.65	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708
alpha-Chlordane	SW8081A	4	0.69	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708
4,4-DDE	SW8081A	4	0.78	8.0	**22.8**		ug/Kg	12/21/16	13:30	LA	421708
Endosulfan I	SW8081A	4	0.73	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708
Dieldrin	SW8081A	4	0.59	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708
Endrin	SW8081A	4	0.75	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708
4,4-DDD	SW8081A	4	2.3	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708
Endosulfan II	SW8081A	4	2.3	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708
4,4-DDT	SW8081A	4	0.52	8.0	**10.5**		ug/Kg	12/21/16	13:30	LA	421708
Endrin Aldehyde	SW8081A	4	0.60	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708
Methoxychlor	SW8081A	4	0.80	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-23 (0-1/2')	**Lab Sample ID:**	1612153-011A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 9:23		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/20/16 6:35:00PM
Prep Batch ID:	4129	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Endosulfan Sulfate	SW8081A	4	0.47	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708
Endrin Ketone	SW8081A	4	0.38	8.0	ND		ug/Kg	12/21/16	13:30	LA	421708
Chlordane	SW8081A	4	8.4	80	ND		ug/Kg	12/21/16	13:30	LA	421708
Toxaphene	SW8081A	4	34	200	ND		ug/Kg	12/21/16	13:30	LA	421708
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**90.4**		ug/Kg	12/21/16	13:30	LA	421708
DCBP (S)	SW8081A		30 - 135		**104**		ug/Kg	12/21/16	13:30	LA	421708

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

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-24 (0-1/2')	**Lab Sample ID:**	1612153-012A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 9:20		
SDG:			

Prep Method: 7471BP — **Prep Batch Date/Time:** 12/19/16 6:00:00PM
Prep Batch ID: 4110 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	12/20/16	12:35	BJAY	421680

Prep Method: 3050B — **Prep Batch Date/Time:** 12/19/16 6:10:00PM
Prep Batch ID: 4123 — **Prep Analyst:** PHUFANO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Arsenic	SW6010B	1	0.15	1.3	**7.27**		mg/Kg	12/20/16	23:18	PPATEL	421690
Lead	SW6010B	1	0.12	3.0	**13.5**		mg/Kg	12/20/16	23:18	PPATEL	421690

Prep Method: 3546_OCP — **Prep Batch Date/Time:** 12/20/16 6:35:00PM
Prep Batch ID: 4129 — **Prep Analyst:** SNARASIMHAN

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	SW8081A	4	0.51	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708
gamma-BHC (Lindane)	SW8081A	4	0.64	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708
beta-BHC	SW8081A	4	1.3	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708
delta-BHC	SW8081A	4	0.62	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708
Heptachlor	SW8081A	4	0.42	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708
Aldrin	SW8081A	4	0.78	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708
Heptachlor Epoxide	SW8081A	4	0.31	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708
gamma-Chlordane	SW8081A	4	0.65	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708
alpha-Chlordane	SW8081A	4	0.69	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708
4,4-DDE	SW8081A	4	0.78	8.0	**36.8**		ug/Kg	12/21/16	13:45	LA	421708
Endosulfan I	SW8081A	4	0.73	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708
Dieldrin	SW8081A	4	0.59	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708
Endrin	SW8081A	4	0.75	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708
4,4-DDD	SW8081A	4	2.3	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708
Endosulfan II	SW8081A	4	2.3	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708
4,4-DDT	SW8081A	4	0.52	8.0	**15.6**		ug/Kg	12/21/16	13:45	LA	421708
Endrin Aldehyde	SW8081A	4	0.60	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708
Methoxychlor	SW8081A	4	0.80	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Peter Langtry
Cornerstone(Walnut Creek)

Date/Time Received: 12/16/16, 2:02 pm
Date Reported: 12/21/16

Client Sample ID:	SS-24 (0-1/2')	**Lab Sample ID:**	1612153-012A
Project Name/Location:	3141 Taylor Road SQ	**Sample Matrix:**	Soil
Project Number:	411-16-1		
Date/Time Sampled:	12/16/16 / 9:20		
SDG:			

Prep Method:	3546_OCP	**Prep Batch Date/Time:**	12/20/16 6:35:00PM
Prep Batch ID:	4129	**Prep Analyst:**	SNARASIMHAN

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
The results shown below are reported using their MDL.											
Endosulfan Sulfate	SW8081A	4	0.47	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708
Endrin Ketone	SW8081A	4	0.38	8.0	ND		ug/Kg	12/21/16	13:45	LA	421708
Chlordane	SW8081A	4	8.4	80	ND		ug/Kg	12/21/16	13:45	LA	421708
Toxaphene	SW8081A	4	34	200	ND		ug/Kg	12/21/16	13:45	LA	421708
			Acceptance Limits								
TCMX (S)	SW8081A		70 - 125		**96.1**		ug/Kg	12/21/16	13:45	LA	421708
DCBP (S)	SW8081A		30 - 135		**108**		ug/Kg	12/21/16	13:45	LA	421708

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

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1612153	**Prep Method:**	3050B	**Prep Date:**	12/19/16	**Prep Batch:**	4102
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	12/19/2016	**Analytical Batch:**	421675
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Arsenic	0.15	1.30	ND	
Lead	0.10	1.30	0.26	

Work Order:	1612153	**Prep Method:**	3546_OCP	**Prep Date:**	12/19/16	**Prep Batch:**	4103
Matrix:	Soil	**Analytical Method:**	SW8081A	**Analyzed Date:**	12/19/2016	**Analytical Batch:**	421704
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	0.183	
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)			80.0	
DCBP (S)			95.1	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1612153	**Prep Method:**	7471BP	**Prep Date:**	12/19/16	**Prep Batch:**	4109
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	12/20/2016	**Analytical Batch:**	421679
Units:	mg/Kg						

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

Work Order:	1612153	**Prep Method:**	7471BP	**Prep Date:**	12/19/16	**Prep Batch:**	4110
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	12/20/2016	**Analytical Batch:**	421680
Units:	mg/Kg						

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

Work Order:	1612153	**Prep Method:**	3050B	**Prep Date:**	12/19/16	**Prep Batch:**	4123
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	12/20/2016	**Analytical Batch:**	421690
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Antimony	0.050	5.00	0.63	
Arsenic	0.15	1.30	0.66	
Barium	0.055	5.00	ND	
Beryllium	0.055	5.00	ND	
Cadmium	0.10	5.00	ND	
Chromium	0.075	5.00	0.14	
Cobalt	0.070	5.00	ND	
Copper	0.20	5.00	ND	
Lead	0.10	1.30	0.23	
Molybdenum	0.050	5.00	0.20	
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	0.67	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1612153	**Prep Method:**	3546_OCP	**Prep Date:**	12/20/16	**Prep Batch:**	4129
Matrix:	Soil	**Analytical Method:**	SW8081A	**Analyzed Date:**	12/21/2016	**Analytical Batch:**	421708
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)			85.5	
DCBP (S)			110	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1612153	**Prep Method:**	3050B	**Prep Date:**	12/19/16	**Prep Batch:**	4102
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	12/19/2016	**Analytical Batch:**	421675
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Arsenic	0.15	1.30	ND	50	93.3	91.4	2.16	80 - 120	30	
Lead	0.10	3.00	0.26	50	96.2	99.2	3.07	80 - 120	30	

Work Order:	1612153	**Prep Method:**	3546_OCP	**Prep Date:**	12/19/16	**Prep Batch:**	4103
Matrix:	Soil	**Analytical Method:**	SW8081A	**Analyzed Date:**	12/19/2016	**Analytical Batch:**	421704
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	88.5	86.5	2.29	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	86.2	84.0	2.64	40 - 130	30	
Aldrin	0.20	2.0	ND	40	85.3	83.9	1.48	25 - 140	30	
Dieldrin	0.15	2.0	ND	40	82.5	81.9	0.608	60 - 130	30	
Endrin	0.19	2.0	ND	40	92.2	92.4	0.271	55 - 135	30	
4,4-DDT	0.13	2.0	ND	40	90.5	89.3	1.39	45 - 140	30	
TCMX (S)				100	80.2	77.3		70 - 125		
DCBP (S)				100	97.3	86.7		30 - 135		

Work Order:	1612153	**Prep Method:**	7471BP	**Prep Date:**	12/19/16	**Prep Batch:**	4109
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	12/20/2016	**Analytical Batch:**	421679
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	94.3	93.1	1.71	80 - 120	30	

Work Order:	1612153	**Prep Method:**	7471BP	**Prep Date:**	12/19/16	**Prep Batch:**	4110
Matrix:	Soil	**Analytical Method:**	SW7471B	**Analyzed Date:**	12/20/2016	**Analytical Batch:**	421680
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	93.3	93.1	0.858	80 - 120	30	

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1612153	**Prep Method:**	3050B	**Prep Date:**	12/19/16	**Prep Batch:**	4123
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	12/20/2016	**Analytical Batch:**	421690
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	0.63	50	103	101	1.97	80 - 120	30	
Arsenic	0.15	1.30	0.66	50	105	105	0.000	80 - 120	30	
Barium	0.055	5.00	ND	50	101	99.1	2.00	80 - 120	30	
Beryllium	0.055	5.00	ND	50	97.3	101	3.23	80 - 120	30	
Cadmium	0.10	5.00	ND	50	98.6	96.4	2.26	80 - 120	30	
Chromium	0.075	5.00	0.14	50	102	99.9	1.78	80 - 120	30	
Cobalt	0.070	5.00	ND	50	99.9	97.9	1.82	80 - 120	30	
Copper	0.20	5.00	ND	50	102	99.6	2.38	80 - 120	30	
Lead	0.10	3.00	0.23	50	101	98.0	3.41	80 - 120	30	
Molybdenum	0.050	5.00	0.20	50	103	101	1.37	80 - 120	30	
Nickel	0.50	5.00	ND	50	99.8	97.9	1.82	80 - 120	30	
Selenium	0.22	5.00	ND	50	91.5	95.7	4.48	80 - 120	30	
Silver	0.15	5.00	ND	50	100	96.8	3.65	80 - 120	30	
Thallium	0.20	5.00	ND	50	99.3	109	9.23	80 - 120	30	
Vanadium	0.10	5.00	ND	50	103	100	2.37	80 - 120	30	
Zinc	0.30	5.00	0.67	50	96.5	94.7	2.09	80 - 120	30	

Work Order:	1612153	**Prep Method:**	3546_OCP	**Prep Date:**	12/20/16	**Prep Batch:**	4129
Matrix:	Soil	**Analytical Method:**	SW8081A	**Analyzed Date:**	12/21/2016	**Analytical Batch:**	421708
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	90.4	96.0	5.90	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	84.8	90.4	6.56	40 - 130	30	
Aldrin	0.20	2.0	ND	40	85.7	91.3	6.21	25 - 140	30	
Dieldrin	0.15	2.0	ND	40	81.2	86.2	5.97	60 - 130	30	
Endrin	0.19	2.0	ND	40	95.9	103	7.28	55 - 135	30	
4,4-DDT	0.13	2.0	ND	40	87.6	93.4	6.63	45 - 140	30	
TCMX (S)				100	79.9	85.5		70 - 125		
DCBP (S)				100	98.6	109		30 - 135		

Torrent LABORATORY, INC.

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1612153	**Prep Method:**	3546_OCP	**Prep Date:**	12/20/16	**Prep Batch:**	4129
Matrix:	**Soil**	**Analytical Method:**		**Analyzed Date:**		**Analytical Batch:**	421708
Spiked Sample:	1612153-012A						
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)	0.636	8.00	ND	40	108	107	0.697	25 - 135	30	
Heptachlor	0.420	8.00	ND	40	102	104	2.42	40 - 130	30	
Aldrin	0.780	8.00	ND	40	105	106	0.948	25 - 140	30	
Dieldrin	0.592	8.00	ND	40	102	99.7	0.244	60 - 130	30	
Endrin	0.752	8.00	ND	40	122	123	1.42	55 - 135	30	
4,4-DDT	0.516	8.00	15.6	40	97.0	98.4	6.75	45 - 140	30	
TCMX (S)				100	95.0	96.9		70 - 125		
DCBP (S)				100	112	108		30 - 135		

Torrent LABORATORY, INC.

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.

483 Sinclair Frontage Rd., Milpitas, CA 95035 | tel: 408.263.5258 | fax: 408.263.8293 | www.torrentlab.com

Torrent LABORATORY, INC.

Sample Receipt Checklist

Client Name: Cornerstone(Walnut Creek)

Project Name: 3141 Taylor Road SQ

Work Order No.: 1612153

Date and Time Received: 12/16/2016 2:02:00PM

Received By: Lorna Imbat

Physically Logged By: Lorna Imbat

Checklist Completed By:

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?	Yes	Temperature: 2.0 °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:

Torrent LABORATORY, INC.

Login Summary Report

Client ID:	TL5508 Cornerstone(Walnut Creek)	**QC Level:**	II
Project Name:	3141 Taylor Road SQ	**TAT Requested:**	3 Day Std:3
Project # :	411-16-1	**Date Received:**	12/16/2016
Report Due Date:	12/21/2016	**Time Received:**	2:02 pm

Comments:

Work Order # : ***1612153***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1612153-001A	SS-13 (0-1/2')	12/16/16 11:12	Soil	06/14/17			Hg_S_7471B Met_S_AsPb	
1612153-002A	SS-14 (0-1/2')	12/16/16 11:26	Soil	06/14/17			Hg_S_7471B Met_S_AsPb	
1612153-003A	SS-15 (0-1/2')	12/16/16 11:23	Soil	06/14/17			Hg_S_7471B Met_S_AsPb	
1612153-004A	SS-16 (0-1/2')	12/16/16 11:19	Soil	06/14/17			Hg_S_7471B Met_S_AsPb	
1612153-005A	SS-17 (0-1/2')	12/16/16 10:00	Soil	06/14/17			Hg_S_7471B Met_S_AsPb	
1612153-006A	SS-18 (0-1/2')	12/16/16 9:55	Soil	06/14/17			Hg_S_7471B Met_S_AsPb	
1612153-007A	SS-19 (0-1/2')	12/16/16 9:43	Soil	06/14/17			Hg_S_7471B Pest_S_8081OCP Met_S_AsPb	
1612153-008A	SS-20 (0-1/2')	12/16/16 9:38	Soil	06/14/17			Hg_S_7471B Met_S_AsPb	
1612153-009A	SS-21 (0-1/2')	12/16/16 9:34	Soil	06/14/17			Hg_S_7471B Met_S_AsPb	
1612153-010A	SS-22 (0-1/2')	12/16/16 9:26	Soil	06/14/17			Pest_S_8081OCP Met_S_AsPb Hg_S_7471B	
1612153-011A	SS-23 (0-1/2')	12/16/16 9:23	Soil	06/14/17			Pest_S_8081OCP Met_S_AsPb Hg_S_7471B	
1612153-012A	SS-24 (0-1/2')	12/16/16 9:20	Soil	06/14/17				

Torrent LABORATORY, INC.

Login Summary Report

Client ID:	TL5508	Cornerstone(Walnut Creek)	**QC Level:**	II
Project Name:	3141 Taylor Road SQ		**TAT Requested:**	3 Day Std:3
Project # :	411-16-1		**Date Received:**	12/16/2016
Report Due Date:	12/21/2016		**Time Received:**	2:02 pm

Comments:

Work Order # : ***1612153***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
							Hg_S_7471B Met_S_AsPb Pest_S_8081OCP	

Torrent LABORATORY, INC.

CORNERSTONE EARTH GROUP

Chain of Custody Record

1612153

	Project Manager: Peter Langtry	Site Sampler:	Date: 12/16/2016	COC No:
Cornerstone Earth Group, Inc.	Tel/Fax: 925-988-9500 ext. 11	Lab Contact:	Lab: Torrent Laboratory Inc	2 of 2 COCs
1259 Oakmead Pkwy	Analysis Turnaround Time			Laboratory's Job No.
Sunnyvale, California 94085				
(408) 245-4600 Phone	TAT if different from Below _____			
(408) 245-4620 FAX	☐ 1 week			
Project Name: 3141 Taylor Road SQ	■ 3 days			
Site: Loomis, CA	☐ 2 days			
Project Number: 411-16-1	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	OCPs (EPA 8081)	Arsenic, Lead & Mercury (EPA 6010/7000)	Laboratory's Sample Specific Notes:
SS-13 (0-½')	12/16/2016	11:12	Liner	Soil	1		X	X	-001A
SS-14 (0-½')	12/16/2016	11:26	Liner	Soil	1		X	X	-002A
SS-15 (0-½')	12/16/2016	11:23	Liner	Soil	1		X	X	-003A
SS-16 (0-½')	12/16/2016	11:19	Liner	Soil	1		X	X	-004A
SS-17 (0-½')	12/16/2016	10:00	Liner	Soil	1		X	X	-005A
SS-18 (0-½')	12/16/2016	9:55	Liner	Soil	1		X	X	-006A
SS-19 (0-½')	12/16/2016	9:43	Liner	Soil	1		X	X	-007A
SS-20 (0-½')	12/16/2016	9:38	Liner	Soil	1		X	X	-008A
SS-21 (0-½')	12/16/2016	9:34	Liner	Soil	1		X	X	-009A
SS-22 (0-½')	12/16/2016	9:26	Liner	Soil	1		X	X	-010A
SS-23 (0-½')	12/16/2016	9:23	Liner	Soil	1		X	X	-011A
SS-24 (0-½')	12/16/2016	9:20	Liner	Soil	1		X	X	-012A

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ■ *Unknown*

Sample Disposal
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: If additional sample is needed, please use the liner. If marked:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Cornerstone Earth Group	12/16/2016 1402	[signature] L.D. Imbral	Torrent Laboratory, Inc.	12/16/16 1402
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

D/U Temp 2+1

CORNERSTONE EARTH GROUP

ATTACHMENT B – ARSENIC UCL CALCULATION SPREADSHEET

	A	B	C	D	E	F	G	H	I	J	K	L
1	UCL Statistics for Uncensored Full Data Sets											
2												
3	User Selected Options											
4	Date/Time of Computation			ProUCL 5.112/22/2016 8:50:50 AM								
5	From File			WorkSheet.xls								
6	Full Precision			OFF								
7	Confidence Coefficient			95%								
8	Number of Bootstrap Operations			2000								
9												
10												
11	C0											
12												
13	General Statistics											
14	Total Number of Observations					24	Number of Distinct Observations					24
15							Number of Missing Observations					1
16	Minimum					4.07	Mean					10.02
17	Maximum					29.2	Median					9.065
18	SD					5.166	Std. Error of Mean					1.055
19	Coefficient of Variation					0.516	Skewness					2.31
20												
21	Normal GOF Test											
22	Shapiro Wilk Test Statistic					0.8	Shapiro Wilk GOF Test					
23	5% Shapiro Wilk Critical Value					0.916	Data Not Normal at 5% Significance Level					
24	Lilliefors Test Statistic					0.16	Lilliefors GOF Test					
25	5% Lilliefors Critical Value					0.177	Data appear Normal at 5% Significance Level					
26	Data appear Approximate Normal at 5% Significance Level											
27												
28	Assuming Normal Distribution											
29	95% Normal UCL						95% UCLs (Adjusted for Skewness)					
30	95% Student's-t UCL					11.82	95% Adjusted-CLT UCL (Chen-1995)					12.28
31							95% Modified-t UCL (Johnson-1978)					11.91
32												
33	Gamma GOF Test											
34	A-D Test Statistic					0.34	Anderson-Darling Gamma GOF Test					
35	5% A-D Critical Value					0.746	Detected data appear Gamma Distributed at 5% Significance Level					
36	K-S Test Statistic					0.101	Kolmogorov-Smirnov Gamma GOF Test					
37	5% K-S Critical Value					0.178	Detected data appear Gamma Distributed at 5% Significance Level					
38	Detected data appear Gamma Distributed at 5% Significance Level											
39												
40	Gamma Statistics											
41	k hat (MLE)					5.195	k star (bias corrected MLE)					4.574
42	Theta hat (MLE)					1.928	Theta star (bias corrected MLE)					2.19
43	nu hat (MLE)					249.4	nu star (bias corrected)					219.5
44	MLE Mean (bias corrected)					10.02	MLE Sd (bias corrected)					4.684
45							Approximate Chi Square Value (0.05)					186.2
46	Adjusted Level of Significance					0.0392	Adjusted Chi Square Value					184.1
47												
48	Assuming Gamma Distribution											
49	95% Approximate Gamma UCL (use when n>=50))					11.81	95% Adjusted Gamma UCL (use when n<50)					11.95
50												

	A	B	C	D	E	F	G	H	I	J	K	L
51	**Lognormal GOF Test**											
52	Shapiro Wilk Test Statistic					0.973	**Shapiro Wilk Lognormal GOF Test**					
53	5% Shapiro Wilk Critical Value					0.916	Data appear Lognormal at 5% Significance Level					
54	Lilliefors Test Statistic					0.0823	**Lilliefors Lognormal GOF Test**					
55	5% Lilliefors Critical Value					0.177	Data appear Lognormal at 5% Significance Level					
56	**Data appear Lognormal at 5% Significance Level**											
57												
58	**Lognormal Statistics**											
59	Minimum of Logged Data					1.404	Mean of logged Data					2.205
60	Maximum of Logged Data					3.374	SD of logged Data					0.442
61												
62	**Assuming Lognormal Distribution**											
63	95% H-UCL					11.94	90% Chebyshev (MVUE) UCL					12.73
64	95% Chebyshev (MVUE) UCL					13.99	97.5% Chebyshev (MVUE) UCL					15.74
65	99% Chebyshev (MVUE) UCL					19.17						
66												
67	**Nonparametric Distribution Free UCL Statistics**											
68	**Data appear to follow a Discernible Distribution at 5% Significance Level**											
69												
70	**Nonparametric Distribution Free UCLs**											
71	95% CLT UCL					11.75	95% Jackknife UCL					11.82
72	95% Standard Bootstrap UCL					11.76	95% Bootstrap-t UCL					12.81
73	95% Hall's Bootstrap UCL					20.11	95% Percentile Bootstrap UCL					11.77
74	95% BCA Bootstrap UCL					12.37						
75	90% Chebyshev(Mean, Sd) UCL					13.18	95% Chebyshev(Mean, Sd) UCL					14.61
76	97.5% Chebyshev(Mean, Sd) UCL					16.6	99% Chebyshev(Mean, Sd) UCL					20.51
77												
78	**Suggested UCL to Use**											
79	95% Student's-t UCL					11.82						
80												
81	When a data set follows an approximate (e.g., normal) distribution passing one of the GOF test											
82	When applicable, it is suggested to use a UCL based upon a distribution (e.g., gamma) passing both GOF tests in ProUCL											
83												
84	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
85	Recommendations are based upon data size, data distribution, and skewness.											
86	These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).											
87	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											