APPENDIX F

ENVIRONMENTAL DATA RESOURCES, INC.

City Directory

APPENDIX F

Jamison Way Parcels
3544 Jamison Way
Castro Valley, CA 94546

Inquiry Number: 4549561.5
March 02, 2016

The EDR-City Directory Image Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2013	☑	☐	Cole Information Services
2008	☑	☐	Cole Information Services
2003	☑	☐	Cole Information Services
1999	☑	☐	Cole Information Services
1995	☑	☐	Cole Information Services
1992	☑	☐	Cole Information Services
1989	☑	☐	Haines Criss-Cross Directory
1985	☑	☐	Haines Criss-Cross Directory
1980	☑	☐	Haines Criss-Cross Directory
1975	☑	☐	Haines Criss-Cross Directory

RECORD SOURCES

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FINDINGS

TARGET PROPERTY STREET

3544 Jamison Way
Castro Valley, CA 94546

Year	*CD Image*	*Source*
JAMISON WAY		
2013	pg A2	Cole Information Services
2008	pg A4	Cole Information Services
2003	pg A6	Cole Information Services
1999	pg A8	Cole Information Services
1995	pg A10	Cole Information Services
1992	pg A11	Cole Information Services
1989	pg A12	Haines Criss-Cross Directory
1989	pg A13	Haines Criss-Cross Directory
1985	pg A14	Haines Criss-Cross Directory
1980	pg A15	Haines Criss-Cross Directory
1975	pg A16	Haines Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	Cole Information Services

JAMISON WAY 2013

3450	PATRICIA FERRIERA
3451	PABLO GONZALEZ-BARRAZ
3511	JAMES THOMPSON
3512	COREY VITELLO
3528	ARI HUITZILOPOCHTLI
	PHILLIP ANTONE
3530	OCCUPANT UNKNOWN
3532	KIMBERLY ANDERSON
3534	OCCUPANT UNKNOWN
3541	CASTRO VILLAGE SHOPPING CENTER
	CASTRO VILLAGE SHOPPING CENTER ADAMS
3544	OCCUPANT UNKNOWN
3545	UNITED WORKERS CREDIT UNION
3546	AUDREY BIRMINGHAM
3547	DUM KENT
3548	DANIEL CEPEDA
3550	VINCE GUERRERO
3560	BEATRICE REYES
	BRANDON COLEMAN
	CHRISTOPHER HIMMEL
	CLIFTON PAYNE
	DAVID SHAW
	HELEN SANTONASTASSO
	LAURA CHURCHFIELD
	MARGERY SCHUTZE
	MARIE METAYER
	MARTHELLA GITLIN
	MARY RENSEN
	MICHELLE THOMAS
	PHILIP DEMMEL
	PINEHAVEN GARDEN APARTMENTS
	RICHARD CRAIG
	RICHARD PURDEE
	RICHARD SKEWIS
	RONALD NOBRIGA
	SAM HERSEU
	SARAH MACUDZINSKI
	SCOTT ROBINSON
	SERENA LAI
	STACY ROCHA
3561	OCCUPANT UNKNOWN
3563	CHRISTINE COSTELLO
3566	MARIO STARNES
3570	BRUCE WILE
3577	ROXANN HINTZ
3579	LINDSAY GRATHWOHL
3590	OCCUPANT UNKNOWN
3594	M CASTANEDA
3596	JONG KIM
3597	JOSEPH KRAKE

Target Street	Cross Street	Source
✓	-	Cole Information Services

JAMISON WAY 2013 (Cont'd)

3603	WHITEHOUSE JOSEPH A MS DDS
3609	CHEN AVA J DDS INC
3612	ANGIE ZIGENIS
	CAMILLE LE
	CHRIS WAN
3633	TIFFANY MORALES
3634	CASTRO VILLAGE CARE HOME
	OCCUPANT UNKNOWN
3649	JACK F EDWARDS INC
3650	RICHARD AVALOS

Target Street	Cross Street	Source
✓	-	Cole Information Services

JAMISON WAY 2008

3450	PATRICIA FERREIRA
3451	SOPHIA TEJADA
3511	BERNA FIELDS
3512	COREY VITELLO
3528	RENE IN
3530	OCCUPANT UNKNOWN
3532	SUZIE GETMAN
3534	TENAYA LEDEUX
3541	ADAMS ADAMS & MORRIS INC
3544	OCCUPANT UNKNOWN
3545	UNITED WORKERS FEDERAL CREDIT UNION
3546	OCCUPANT UNKNOWN
3547	DUM KENT
3548	LINDSAY GRATHWOHL
3550	VINCE GUERRERO
3560	ALLEN PEEK
	ARTOR LAGUMEN
	CIMERON YEE
	CLIFTON PAYNE
	DON GARBELLANO
	GLORIA GIBSON
	HALF PRICE TOWING
	ILDIKO BIRO
	JANICE SAUNDERS
	JOSEPH AZZARITO
	MARGERY SCHUTZE
	MARIAM DONALDSON
	MARTHELLA GITLIN
	MATTIA BOSCO
	MYRL SANSOM
	OLGA SILVA
	PINEHAVEN GARDEN APARTMENTS
	RANDY NEMETH
	RENATA MASTROYANNIS
	RICARDO RAMIREZ
	RICHARD SKEWIS
	ROBERT DOWLING
	ROBERT WILCOX
	SAM HERSEU
	WENDY DYER
3561	OCCUPANT UNKNOWN
3563	CHRISTINE COSTELLO
3566	ARNOLD ANDERSON
3570	BRUCE WILE
3577	ROXANN HINTZ
3579	OCCUPANT UNKNOWN
3590	ACCESS WIRELESS
	ANDY KRAKE
3594	M CASTANEDA
3596	JONG KIM

Target Street	Cross Street	Source
✓	-	Cole Information Services

JAMISON WAY 2008 (Cont'd)

3603	CASTRO VALLEY DENTAL CARE
	WHITEHOUSE JOSEPH A MS DDS
3609	AVA J CHEN DDS
	VICTOR R KVIKSTAD FDDS
3612	CROMPTON WAN
	FABIAN MONTANO
	FU SUN
	JAU LUO
	LARRY YU
3633	DAN BRIGGS
3634	CASTRO VILLAGE CARE HOME
3649	CASTRO VALLEY ENTERPRISES INC
	EDWARDS & ANDERSON INC
	JACK F EDWARDS INC
	MARINA SHELL
3650	RICHARD AVALOS

Target Street	Cross Street	Source
✓	-	Cole Information Services

JAMISON WAY 2003

3450	PATRICIA FERRIERA
3451	GINA GONZALEZ
3511	ROBERT KOZAK
3512	OCCUPANT UNKNOWN
3528	OCCUPANT UNKNOWN
3530	JACK CRAWFORD
3532	CHUN WANG
3533	EVERYBODYS BUSINESS
	HP DESIGNS
3534	OCCUPANT UNKNOWN
3541	ADAMS ADAMS & MORRIS INC
3544	DAN BRIGGS
3546	OCCUPANT UNKNOWN
3548	DAVIS WERTSBAUGH
3550	VINCE GUERRERO
3560	CHARLES GOLDIE
	DENISE VOLZ
	DOC SILVA
	DONNA MULLINS
	GINNY JONES
	ILDIKO BIRO
	JANE TENEYCK
	JOHN ODONNELL
	JUDITH NICHOLS
	MARIAM DONALDSON
	MICHAEL PITNER
	PETER MARTIN
	PINEHAVEN GARDEN APARTMENTS
	TAE RHEE
	WILLIAM KAVANAGH
	ZOLTAN HAVAS
3561	MIKE HARBURG
3563	SALLY STONE
3566	ARNOLD ANDERSON
3570	ARNOLD ANDERSON
3577	KEVIN JUNG
3590	NANCY DURMAS
3597	DUC HUY TRAN CAR WASH
3603	DENTAL ASSISTANT TRAINING SCHL
	KESTNER ENGINEERS PC
	KOWALSKI MICHAEL DDS
	SHIRANI ALI DDS
	VICTOR KVIKSTAD
3609	KVIKSTAD DDS VICTOR
	KVIKSTAD VICTOR R DDS INC
	OCCUPANT UNKNOWN
3612	A ZIGENIS
	CLEVER CONSTRUCTION
	FLORENCE NAGLE
	GARRICK UTLEY

Target Street	Cross Street	Source
✓	-	Cole Information Services

JAMISON WAY 2003 (Cont'd)

3612 JAE LEE
SAMUEL DORROUGH
3633 HENRY HARDT
3634 CASTRO VILLAGE CARE HOME
LAURA MACPHERSON
3650 RICHARD AVALOS

Target Street	Cross Street	Source
✓	-	Cole Information Services

JAMISON WAY 1999

3450	PATRICIA FERREIRA
3451	GINA GONZALEZ
3511	BERNA FIELDS
3512	COREY VITELLO
	OCCUPANT UNKNOWN
3532	SUZIE GETMAN
3534	OCCUPANT UNKNOWN
3541	ADAMS ADAMS & MORRIS REAL ESTATE INCORPORATED
	CASTRO VILLAGE SHOPPING CENTER REAL ESTATE
	MORRIS MAX A ADAMS ADAMS & MORRIS REAL ESTATE INCORPORATED
3544	OCCUPANT UNKNOWN
3545	CASTRO VILLAGE SHOPPING CENTER SPECIALTY STORES
	EVERYBODYS BUSINESS
	WESTERN UNION
3547	DUM KENT
3548	LINDSAY GRATHWOHL
3550	OCCUPANT UNKNOWN
	VINCE GUERRERO
3560	ALLEN PEEK
	ARTOR LAGUMEN
	CARMEN FLORES
	CIMERON YEE
	CONSTANTINE MASTROYANNIS
	DENISE VOLZ
	DONALD TRUSCOTT
	GLORIA GIBSON
	HARRY MAREZ
	HELEN SANTONASTASSO
	JANICE SAUNDERS
	JOSEPH AZZARITO
	MARC FRISCHLING
	MARGERY SCHUTZE
	MARIAM DONALDSON
	MARTHELLA GITLIN
	MARY CALVAO
	MARY COOLEY
	OLGA SILVA
	PINEHAVEN GARDEN APARTMENTS
	RICHARD CRAIG
	RICHARD SKEWIS
	ROBERT DOWLING
	ROBERT WILCOX
	RONALD NOBRIGA
	SAM HERSEU
	ZOLTAN HAVAS
3563	CHRISTINE COSTELLO
	OCCUPANT UNKNOWN
3566	ARNOLD ANDERSON
3570	BRUCE WILE
	OCCUPANT UNKNOWN

JAMISON WAY 1999 (Cont'd)

3577	OCCUPANT UNKNOWN
	ROXANN HINTZ
3590	ANDY KRAKE
	M HASE
3594	M CASTANEDA
3596	JONG KIM
3601	CATCH A DREAM
3602	OCCUPANT UNKNOWN
3603	CASTRO VALLEY DENTAL CARE
	KOWALSKI MICHAEL DDS
	WHITEHOUSE JOSEPH A MS DDS
3609	KVIKSTAD VICTOR R DDS INCORPORATED
3612	CROMPTON WAN
	FABIAN MONTANO
	FU SUN
	JANET CHUNG
	JAU LUO
	LARRY YU
	SAMUEL DORROUGH
3633	DAN BRIGGS
	H HARDT
3634	CASTRO VILLAGE CARE HOME
3650	RICHARD AVALOS

Target Street	Cross Street	Source
✓	-	Cole Information Services

JAMISON WAY 1995

3541	ADAMS ADAMS & MORRIS REAL INC
3545	EVERYBODYS BUSINESS
	SERVICEMASTER
	WESTERN UNION
3560	PINEHAVEN GARDEN APARTMENTS
3603	CASTRO VALLEY DENTAL CARE
	FRANKLIN G BALLARD DDS
	JOSEPH A WHITEHOUSE DDS
3609	CATHERINE KVIKSTAD
	VICTOR R KVIKSTAD DDS

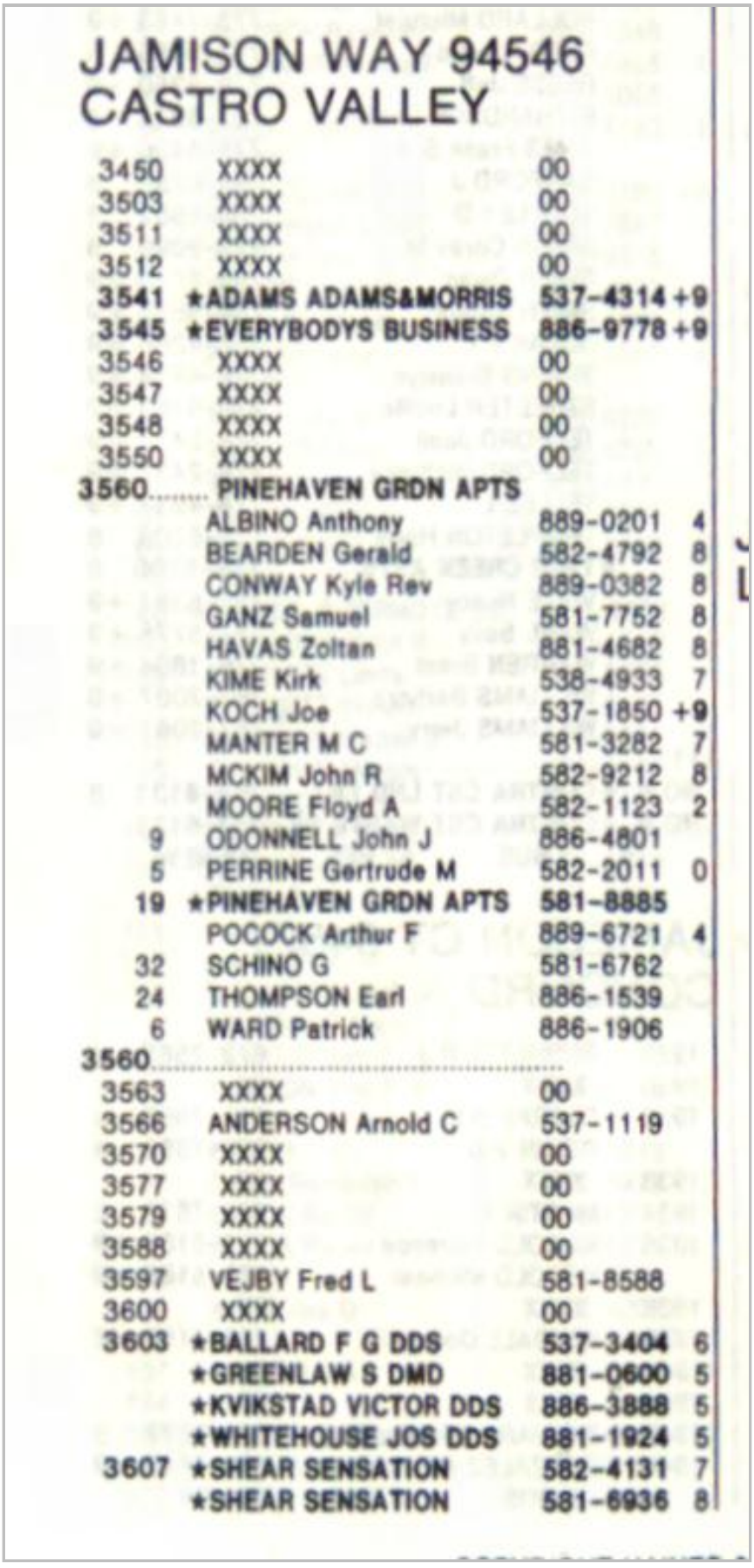
Target Street	Cross Street	Source
✓	-	Cole Information Services

JAMISON WAY 1992

3532	MELVIN, MARK
3533	JOHN VELLAS LCKR RM
	RAIDER LOCKER ROOM
3541	ADAMS ADAMS&MORRIS
3545	CANN, KIT
	EVERYBODYS BUSINESS
3560	CALDWELL, WESLEY H
	PINEHAVEN GRDN APTS
	POCOCK, ARTHUR F
	REMER, WILLIAM A
	SCHINO, G
3566	ANDERSON, ARNOLD C
3596	MCDONALD, ERIN
3597	VEJBY, FRED L
3602	SMITH, C
	WEAKLEY, CHRIS B
3603	BALLARD F G DDS
	GREENLAW S DMD
	OXMAN DANL K DR
	WHITEHOUSE JOS DDS
3609	KVIKSTAD, C
	KVINKSTAD V DDS INC
	O&H PRPRTY INVSTMNT
3633	HARDT, H S
35605	PERRINE, G M
35606	WARD, PATRICK
35607	WEAVER, KELLY A
35609	ODONNELL, JOHN J
356010	MOORE, FLOYD A
356015	HAVAS, ZOLTAN
356024	THOMPSON, EARL
356028	BRODAHL, M
356031	SKUBE, MICHAEL

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

JAMISON WAY 1989

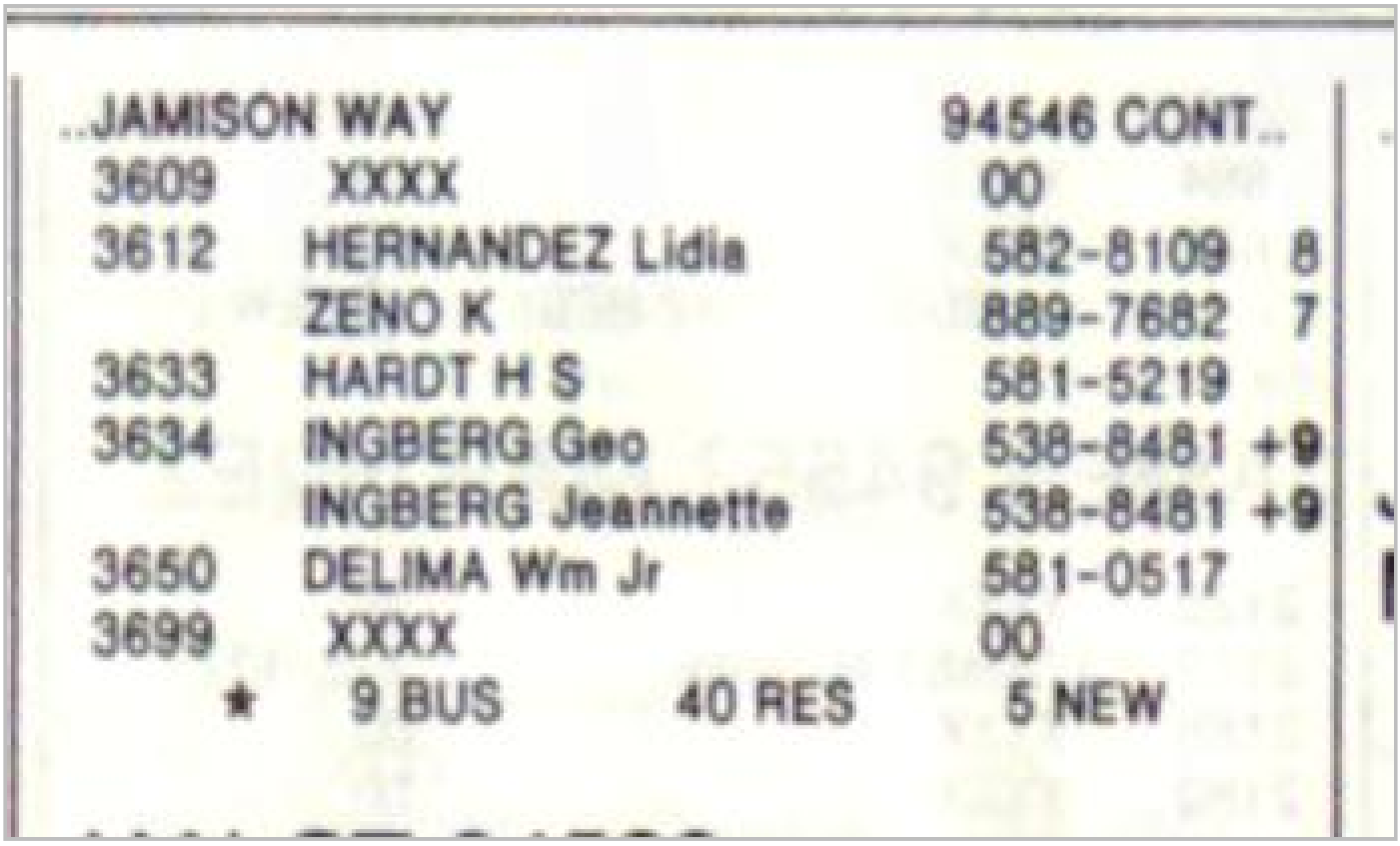


JAMISON WAY 94546
CASTRO VALLEY

3450	XXXX	00	
3503	XXXX	00	
3511	XXXX	00	
3512	XXXX	00	
3541	★ADAMS ADAMS&MORRIS	537-4314	+9
3545	★EVERYBODYS BUSINESS	886-9778	+9
3546	XXXX	00	
3547	XXXX	00	
3548	XXXX	00	
3550	XXXX	00	
3560	PINEHAVEN GRDN APTS		
	ALBINO Anthony	889-0201	4
	BEARDEN Gerald	582-4792	8
	CONWAY Kyle Rev	889-0382	8
	GANZ Samuel	581-7752	8
	HAVAS Zoltan	881-4682	8
	KIME Kirk	538-4933	7
	KOCH Joe	537-1850	+9
	MANTER M C	581-3282	7
	MCKIM John R	582-9212	8
	MOORE Floyd A	582-1123	2
9	ODONNELL John J	886-4801	
5	PERRINE Gertrude M	582-2011	0
19	★PINEHAVEN GRDN APTS	581-8885	
	POCOCK Arthur F	889-6721	4
32	SCHINO G	581-6762	
24	THOMPSON Earl	886-1539	
6	WARD Patrick	886-1906	
3560			
3563	XXXX	00	
3566	ANDERSON Arnold C	537-1119	
3570	XXXX	00	
3577	XXXX	00	
3579	XXXX	00	
3588	XXXX	00	
3597	VEJBY Fred L	581-8588	
3600	XXXX	00	
3603	★BALLARD F G DDS	537-3404	6
	★GREENLAW S DMD	881-0600	5
	★KVIKSTAD VICTOR DDS	886-3888	5
	★WHITEHOUSE JOS DDS	881-1924	5
3607	★SHEAR SENSATION	582-4131	7
	★SHEAR SENSATION	581-6936	8

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

JAMISON WAY 1989



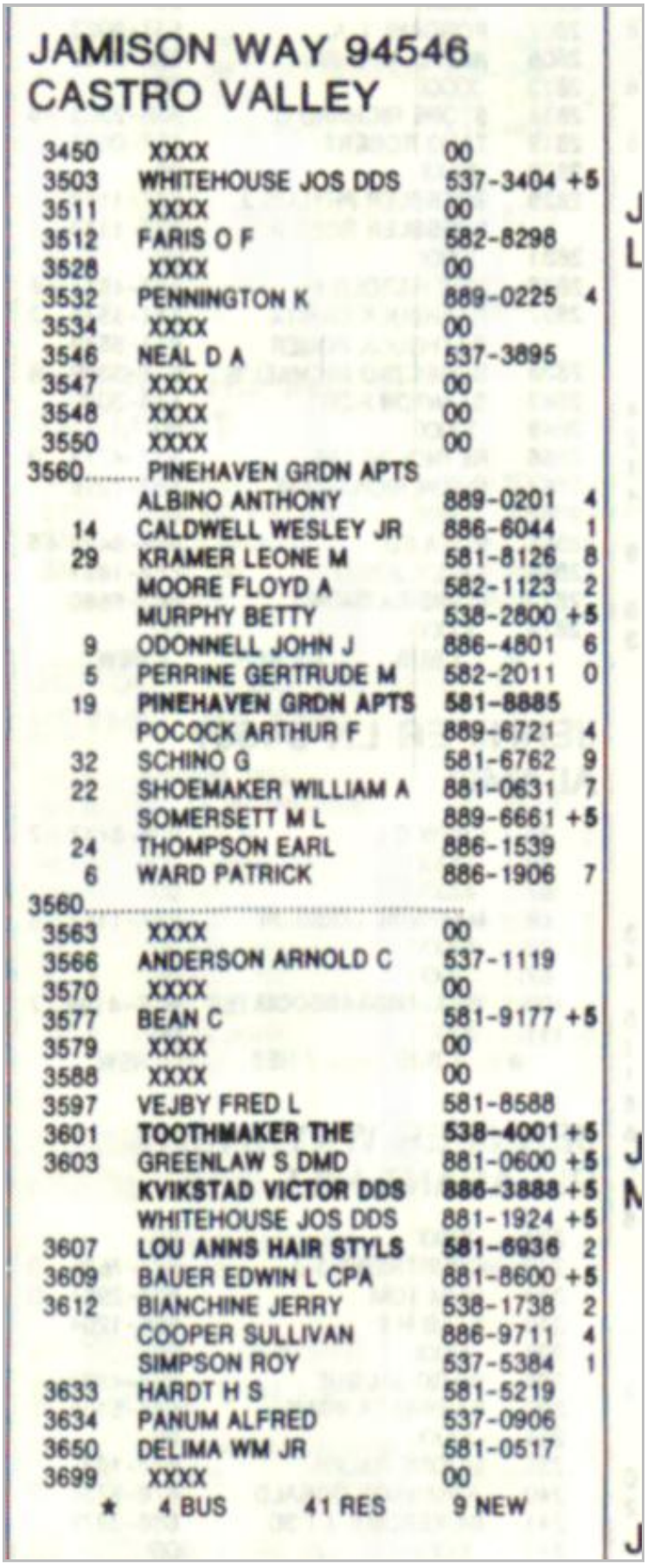
..JAMISON WAY 94546 CONT..

3609	XXXX	00
3612	HERNANDEZ Lidia	582-8109 8
	ZENO K	889-7682 7
3633	HARDT H S	581-5219
3634	INGBERG Geo	538-8481 +9
	INGBERG Jeannette	538-8481 +9
3650	DELIMA Wm Jr	581-0517
3699	XXXX	00

★ 9 BUS 40 RES 5 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

JAMISON WAY 1985

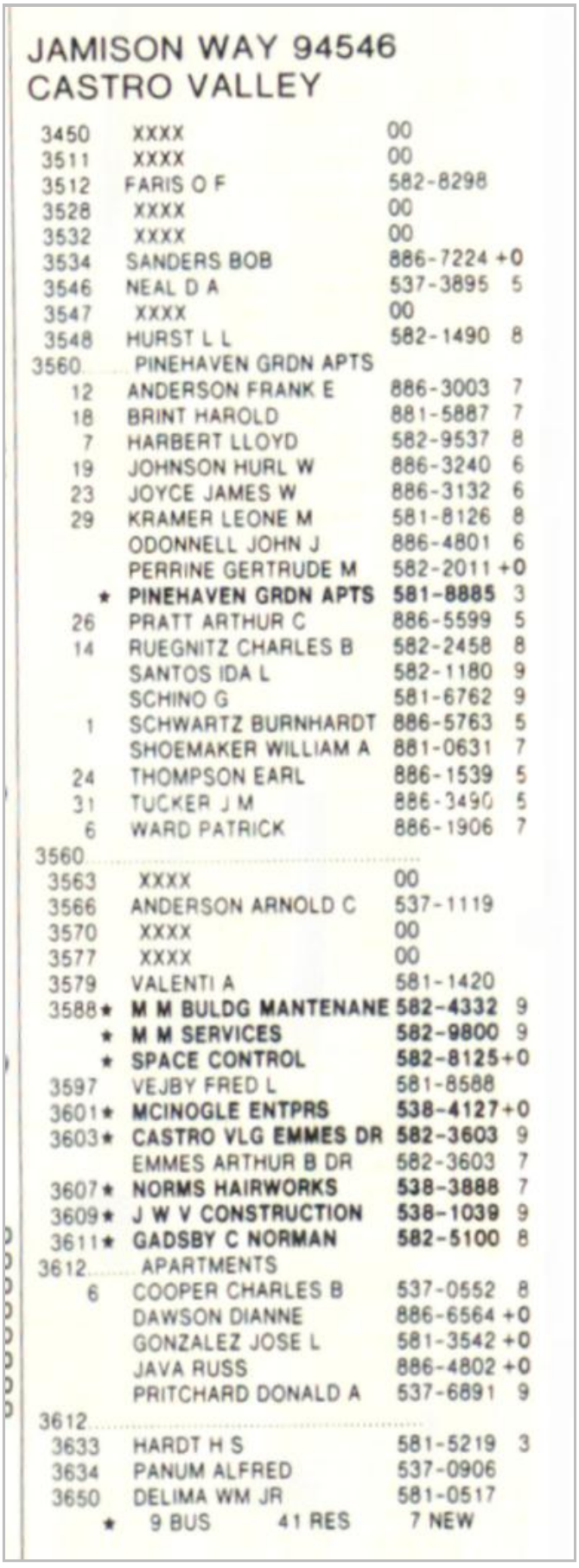


JAMISON WAY 94546
CASTRO VALLEY

3450	XXXX	00
3503	WHITEHOUSE JOS DDS	537-3404 +5
3511	XXXX	00
3512	FARIS O F	582-8298
3528	XXXX	00
3532	PENNINGTON K	889-0225 4
3534	XXXX	00
3546	NEAL D A	537-3895
3547	XXXX	00
3548	XXXX	00
3550	XXXX	00
3560.....	PINEHAVEN GRDN APTS	
	ALBINO ANTHONY	889-0201 4
14	CALDWELL WESLEY JR	886-6044 1
29	KRAMER LEONE M	581-8126 8
	MOORE FLOYD A	582-1123 2
	MURPHY BETTY	538-2800 +5
9	ODONNELL JOHN J	886-4801 6
5	PERRINE GERTRUDE M	582-2011 0
19	**PINEHAVEN GRDN APTS**	**581-8885**
	POCOCK ARTHUR F	889-6721 4
32	SCHINO G	581-6762 9
22	SHOEMAKER WILLIAM A	881-0631 7
	SOMERSETT M L	889-6661 +5
24	THOMPSON EARL	886-1539
6	WARD PATRICK	886-1906 7
3560.....		
3563	XXXX	00
3566	ANDERSON ARNOLD C	537-1119
3570	XXXX	00
3577	BEAN C	581-9177 +5
3579	XXXX	00
3588	XXXX	00
3597	VEJBY FRED L	581-8588
3601	**TOOTHMAKER THE**	**538-4001 +5**
3603	GREENLAW S DMD	881-0600 +5
	KVIKSTAD VICTOR DDS	**886-3888 +5**
	WHITEHOUSE JOS DDS	881-1924 +5
3607	**LOU ANNS HAIR STYLS**	**581-6936 2**
3609	BAUER EDWIN L CPA	881-8600 +5
3612	BIANCHINE JERRY	538-1738 2
	COOPER SULLIVAN	886-9711 4
	SIMPSON ROY	537-5384 1
3633	HARDT H S	581-5219
3634	PANUM ALFRED	537-0906
3650	DELIMA WM JR	581-0517
3699	XXXX	00
★	4 BUS 41 RES	9 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

JAMISON WAY 1980



JAMISON WAY 94546
CASTRO VALLEY

3450	XXXX	00	
3511	XXXX	00	
3512	FARIS O F	582-8298	
3528	XXXX	00	
3532	XXXX	00	
3534	SANDERS BOB	886-7224	+0
3546	NEAL D A	537-3895	5
3547	XXXX	00	
3548	HURST L L	582-1490	8
3560	PINEHAVEN GRDN APTS		
12	ANDERSON FRANK E	886-3003	7
18	BRINT HAROLD	881-5887	7
7	HARBERT LLOYD	582-9537	8
19	JOHNSON HURL W	886-3240	6
23	JOYCE JAMES W	886-3132	6
29	KRAMER LEONE M	581-8126	8
	ODONNELL JOHN J	886-4801	6
	PERRINE GERTRUDE M	582-2011	+0
★	**PINEHAVEN GRDN APTS**	**581-8885**	3
26	PRATT ARTHUR C	886-5599	5
14	RUEGNITZ CHARLES B	582-2458	8
	SANTOS IDA L	582-1180	9
	SCHINO G	581-6762	9
1	SCHWARTZ BURNHARDT	886-5763	5
	SHOEMAKER WILLIAM A	881-0631	7
24	THOMPSON EARL	886-1539	5
31	TUCKER J M	886-3490	5
6	WARD PATRICK	886-1906	7
3560			
3563	XXXX	00	
3566	ANDERSON ARNOLD C	537-1119	
3570	XXXX	00	
3577	XXXX	00	
3579	VALENTI A	581-1420	
3588★	**M M BULDG MANTENANE**	**582-4332**	9
★	**M M SERVICES**	**582-9800**	9
★	**SPACE CONTROL**	**582-8125**	+0
3597	VEJBY FRED L	581-8588	
3601★	**MCINOGLE ENTPRS**	**538-4127**	+0
3603★	**CASTRO VLG EMMES DR**	**582-3603**	9
	EMMES ARTHUR B DR	582-3603	7
3607★	**NORMS HAIRWORKS**	**538-3888**	7
3609★	**J W V CONSTRUCTION**	**538-1039**	9
3611★	**GADSBY C NORMAN**	**582-5100**	8
3612	APARTMENTS		
6	COOPER CHARLES B	537-0552	8
	DAWSON DIANNE	886-6564	+0
	GONZALEZ JOSE L	581-3542	+0
	JAVA RUSS	886-4802	+0
	PRITCHARD DONALD A	537-6891	9
3612			
3633	HARDT H S	581-5219	3
3634	PANUM ALFRED	537-0906	
3650	DELIMA WM JR	581-0517	
★	9 BUS 41 RES 7 NEW		

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

JAMISON WAY 1975

JAMISON WAY 94546 CASTRO VALLEY

```
3450 EMANUELE R              537-2265 2
3451 GOSSELIN ALFRED J       537-7021
3511*MILLERS APPRAISL SV     537-2851+5
3512 FARIS O F               582-8298
3528 POTTS JERRY             582-0658+5
3531 WHITE ROBT N            537-3928 3
3532 NOBORI AUDREY           582-3776+5
3533 ASHLEY RICHARD          582-7197+5
3534 CASEY PATRICIA J        581-5238 3
3535 MCGUFFEY NATHAN         582-7865+5
3546 NEAL D A                537-3895+5
3547 DENU RAY JR             581-5408 2
3548  XXXX                   00
3550 SCHUSTER JOHN C MRS     538-7539 2
3557 TRIBE R B               581-7069
3559  XXXX                   00
3560....PINEHAVEN GRDN APTS
       BOYLE THOMAS          886-7803+5
       CAMPANILE A           886-3387+5
       DEININGER RONALD D    886-0750+5
       DUNN R H              886-2075+5
       JANZEN HANS E         886-7612+5
       JOHNSON KAY           886-8687+5
       KANE STEVE            886-7803+5
       LOPES MELVIN F        886-2481+5
       MONTGOMERY JIM L      886-4053+5
      *PINEHAVEN GRDN APTS   581-8885 3
       PRATT ARTHUR C        886-5599+5
       SCHWARTZ BURNHARDT    886-5763+5
       THOMPSON EARL         886-1539+5
       TUCKER J M            886-3490+5
       VITALE MORRIS         886-2759+5
       VOORHEES ED F         886-1175+5
       VOORHEES EDWARD 2D    886-6321+5
       WEST HOWARD           886-7891+5
3560.....................
 3563 WAGNER LLOYD R         581-4127
 3566 ANDERSON ARNOLD C      537-1119
 3567 BUTLER CARL            582-6872+5
 3570 GILMORE RUSSELL W      581-8379+5
 3577 NIELSEN CARLO F        581-1800+5
 3579 VALENTI A              581-1420
 3588 JOHNSTONE BRUCE        581-4241+5
       JOHNSTONE JAS A       537-2507
 3597 VEJBY FRED L           581-8588
3612....APARTMENTS
       BOHN CHAS E           886-7332+5
       HUDGINS PAUL          886-0265+5
       LAVINE J              582-4353+5
       SWANSON RICHARD D     582-6646+5
       WALKER L N            581-3926+5
3612.....................
 3615  XXXX                   00
 3633 HARDT H S              581-5219 3
 3634 PANUM ALFRED           537-0906
 3650 DELIMA WM JR           581-0517
 3666  XXXX                   00
     *   2 BUS   51 RES   32 NEW
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APPENDIX G

APPENDIX G

Environmental Site Assessment Questionnaire

Project Name: Jamison Way

Project No. P2016.000.210

■ 2010 Crow Canyon Place ▪ Suite 250 ▪ San Ramon, CA 94583	(925) 866-9000 ▪ Fax (888) 279-2698
☐ 2213 Plaza Drive ▪ Rocklin, CA 95765	(916) 786-8883 ▪ Fax (888) 279-2698
☐ 332 Pine Street ▪ Suite 300 ▪ San Francisco, CA 94104	(415) 284-9900 ▪ Fax (888) 279-2698
☐ 6399 San Ignacio Avenue ▪ Suite 150 ▪ San Jose, CA 95119	(408) 574-4900 ▪ Fax (888) 279-2698
☐ 580 N. Wilma Avenue▪ Suite A ▪ Ripon, CA 95366	(209) 835-0610 ▪ Fax (888) 279-2698
☐ 17675 Sierra Highway ▪ Santa Clarita, CA 91351	(661) 257-4004 ▪ Fax (888) 279-2698
☐ 6 Morgan ▪ Suite 162 ▪ Irvine, CA 92618	(949) 529-3479 ▪ Fax (888) 279-2698

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE FOR "KEY SITE MANAGER"

To evaluate the potential for possible environmentally related impacts and site contamination the following information is requested. This questionnaire is to be preferably completed by the current property owner, or owner representative, leasing agent, or other person having good knowledge of the uses and physical characteristics of the property (Key Site Manager).

PART I

1. Property Address/Location and Assessor's Parcel Number (APN):

   3530, 3544, 3546, 3548, 3528 Jamison Way, Castro Valley, in the County of Alameda, California. The Assessor's Parcel Numbers (APNs) for the Real Property are: 84A-76-23, 84A-76-20-1, 84A-76-21-4, 84A-76-21-6, 84A-76-22

2. Current property owner (name, address, voice/fax number):

   Mr. Dan E. Briggs, Trustee
   Briggs Family Trust
   3544 Jamison Way

3. Date current property owner assumed title of property:
   1974

4. Current property development/improvements:

   Single Family Residential

5. Past property use, development/improvements:
   No knowledge of previous use, no new development during ownership.

6. Neighboring property uses:

   Residential - West
   Multi-family Residential - East
   Commercial - South
   Multi-family Residential - North

PART II - The following questions should be answered to the best of your knowledge.

		Yes	No
1.	Is/has the *property* or any adjoining property used/been used for industrial purposes?	☐	☑
2.	Has the *property* or any adjoining property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	☐	☑
3.	Are there currently, or have there been previously, any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of greater than 5 gal in volume or 50 gal in the aggregate, stored on or used at the *property* or at the facility?	☐	☑
4.	Has undocumented soil been brought onto the property at any time? If yes, estimated quantity is _____ cubic yards.	☐	☑
5.	Has soil been brought onto the property that originated from a contaminated site or that is of an unknown origin?	☐	☑
6.	Are there currently, or have there been previously, any pits, ponds, or lagoons located on the *property* in connection with waste treatment or waste disposal?	☐	☑
7.	Is there currently, or has there been previously, any stained soil on the *property*?	☐	☑
8.	Are there currently, or have there been previously, any registered or unregistered storage tanks (above or underground) located on the *property*?	☐	☑
9.	Are there currently, or have there been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the *property* or adjacent to any structure located on the *property*?	☐	☑
10.	Are there currently, or have there been previously, any flooring, drains, or walls located within the facility that are stained by substances other than water or are emitting foul odors?	☐	☑
11.	Are there any domestic, irrigation or monitoring wells on the property?	☑	☐
12.	If the *property* is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environmental/health agency?	☐	☑
13.	Have you been informed of the past or current existence of *hazardous substances* or *petroleum products* or environmental violations with respect to the *property* or any facility located on the *property*?	☐	☑
14.	Have there been any *environmental site assessments* of the *property* or facility that indicated the presence of *hazardous substances* or *petroleum products* on, or contamination of, the *property* or recommended further assessment of the *property*?	☐	☑
15.	Have there been any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any *hazardous substance* or *petroleum products* involving the *property*?	☐	☑
16.	Has there been any past agricultural use of the *property*, such as orchards or seed crop cultivation?	☐	☑
17.	Have any *hazardous substances* or *petroleum products*, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the *property*?	☐	☑
18.	Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	☐	☑

If a "Yes" response was provided to any of the above questions, please provide details below:

Water well in the back yard of 3528 Jamison Way.

I certify that the information herein is true and correct to the best of my knowledge as of the date signed below.

Name (Printed/Typed): Dan Briggs Trustee for Briggs Family Trust

Signature: Dan Briggs Date: 3/5/2016

APPENDIX H

Qualifications of Environmental Professional

APPENDIX H

BRIAN FLAHERTY, CEG, CHG, REA I
PRINCIPAL GEOLOGIST

EDUCATION

BS, Geology, University of Massachusetts, Amherst, 1975

MS, Geology, California State University, Hayward, 1988

EXPERIENCE

Years with ENGEO: 32
Years with Other Firms: 3

REGISTRATIONS & CERTIFICATIONS

Certified Engineering Geologist, CA, 1256
Certified Hydrogeologist, CA, 460
Registered Environmental Assessor, CA, 923
Professional Geologist, CA, 4030

SPECIALIZATIONS

- Environmental Assessments and Remediation
- Geologic Hazard Evaluation
- Hillside Grading
- Landslide Investigations and Repairs
- Water Wells/Hydrogeology

AFFILIATIONS

OBA - Oakland Builders Alliance

San Francisco Housing Action Coalition

SPUR

Mr. Flaherty has more than 30 years of diverse experience in the fields of engineering geology, geologic hazard evaluation and mitigation, and hydrogeology. During that time he has also managed and completed numerous soil and ground water characterization studies, environmental assessments, and the design and implementation of soil and ground water remediation systems. During his professional career he has worked on small to large residential developments, commercial developments, industrial business parks, military base re-use projects, water storage facilities, transportation projects and educational facilities throughout California.

Mr. Flaherty's geologic project experience includes geotechnical, geologic and earthquake hazard evaluation for projects throughout the San Francisco Bay Area. His work as a geologist has included landslide hazard mapping and assessment, slope stability evaluation, structural and rock mechanic analysis of bedrock slopes, earthquake fault hazard explorations, and preparation of Geologic Hazard Abatement District (GHAD) plans of control and monitoring.

Select Project Experience

Phelan Loop Development—San Francisco, CA
Project Manager. Mr. Flaherty provided project management and principal review for during preparation of a phase I and phase II environmental site assessment for the Phelan Loop project site is located at the site of a MUNI bus turnaround, near the intersection of Phelan Avenue and Ocean Avenue, in San Francisco, California. The Phelan Loop project site is located at the site of a MUNI bus turnaround, near the intersection of Phelan Avenue and Ocean Avenue, in San Francisco, California. The proposed housing development will create approximately 60 units of supportive housing for low-income families and transitional aged youth (TAY).

11th Street Four Story Mixed Use Development—San Francisco, CA
Project Manager. Mr. Flaherty's duties included phase one and two environmental assessment, development and implementation of a geotechnical exploration using both conventional auger drilling and cone penetration testing. ENGEO is the geotechnical and environmental consultant for a proposed multi-use building at 340-350 11th Street. T his 4-

level wood-framed residential development will include 16 townhouse units with 2-level townhouses above 2-level townhouses. The structure will be set on a concrete podium containing ground floor commercial space above one level of underground parking. Geotechnical constraints included a high water table, liquefiable soil, building constraints and environmental soil and groundwater contamination.

Docktown Marina—Redwood City, CA
Project Manager. Mr. Flaherty managed the phase II environmental assessment to identify possible recognized environmental conditions associated with past property use as a vehicle and boat maintenance areas and as a former tannery facility. The Docktown Marina study involved two land use plans under consideration; four-story over two-story podium structures located around the perimeter of the site or two four-story residential buildings wrapped around two four-story parking structures.

1150 Ocean Avenue—San Francisco, CA
Project Manager. Mr. Flaherty prepared the geotechnical exploration and a phase II environmental site assessment for this mixed use project. Site concerns include possible soil and groundwater contamination from hydraulic lifts and the impact of a high groundwater table on the planned underground parking structure. A four-level wood-framed mixed-use residential development is planned with about 150 apartment units. The structure will be set on a concrete podium with about 30,000 square feet of retail commercial space above one level of underground parking.

Terminal One, Brickyard Cove—Richmond, CA
Principal in Charge. Mr. Flaherty provided expert environmental review of the Remedial Investigation Report and the Feasibility Study including consultation with the Regional Water Control Board (RWQCB). The purpose was to evaluate the findings and recommendations of an environmental consultant's reports to determine if the property could be developed for a multi family residential use. The Terminal One property includes approximately 12 acres of Bay margin land south of Brickyard Cove Road in Point Richmond, California. The site was previously used by both public and private entities primarily for the processing, transferring, and storage of bulk liquids.

The current project development concept included a high-density residential constructions with a large, central multi-unit "podium structure" and approximately 5 smaller multi-unit podium structures totaling approximately 272 housing units.

Redwood Road, Chevron—Oakland, CA
Project Manager. Mr. Flaherty reviewed the site history and prepared a work plan for regulatory agency approval to characterize reported soil contamination beneath a former fueling station ENGEO provided environmental services to remove the former LUST designated facility from the county's list of contaminated properties

Marina District Various PG&E Sites—San Francisco, CA
Project Manager. Mr. Flaherty managed the compilation and review of historic maps and air photographs, consultants reports, and archival records to help establish the histroy of development and filling in the Marina District of San Francisco. Efforts included the

development of a fill sequence timeline in the neighborhood and a graphic video showing three dimensional views of the various sequences of fill. ENGEO undertook an extensive review of public and private documents and photographs to develop a timeline for the placement of fill in the Marina District of San Francisco

Monarch Village - Senior Housing—Daly City, CA
Project Manager. Mr. Flaherty led the geotechnical and environmental review of the site conditions during the project design phase actively working with the owner and contractor. He also oversaw the site grading providing guidance for the characterization and disposal of contaminated soils Attached senior housing complex with construction of a three-story building over two levels of garage, two retail buildings, and related landscape and hardscape improvements with on-grade paved parking.

Tidewater Avenue—San Francisco, CA
Project Manager. Mr. Flaherty provided geotechnical and environmental consultation services to a group of industrial property owners located within the boundaries of the City of Oakland's Central Estuary Plan area. Mr. Flaherty has reviewed geotechnical engineering reports, geohazards (liquefaction analysis) reports and phase I and II environmental site assessment reports for the various property owners. He has provided input to the owners with regard to the various redevelopment plans considered by the City of Oakland and responded to requests by the owners to clarify City directives and requests made to the owners regarding access and use of their parcels by City of Oakland environmental consultants. ENGEO provided as-needed geotechnical and environmental consultation services to a group of industrial property owners located within the City of Oakland's Central Estuary Plan area.

Ashby Arts Mixed Use Development—Berkeley, CA
Project Manager. Mr. Flaherty managed and completed the project geotechnical exploration and provided environmental consultation to the design team. The Ashby Arts development consists of a five-story mixed-used podium structure. The ground level will contain retail and parking spaces while the 2nd to 5th floors will be 1-to-2 bedroom residential units along with common areas for the residents' use.

Hunters Point Shipyard Redevelopment, 'Parcel A'—San Francisco, CA
Principal Geologist. Mr. Flaherty was Principal in Charge for the geotechnical, geologic, and hydrologic design for the development of Parcel A at the Hunters Point Shipyard. He managed the production of the project geotechnical exploration report and the analysis and development of the project corrective grading plans and storm water management plan. He managed the mapping of the project bedrock and the implementation of a bedrock screening and sampling program to test for naturally-occurring asbestos in the site bedrock. The 70-acre project includes 1,800 residential units, approximately 25 acres of parks and open space, limited retail, and supporting infrastructure and roadways. Site preparation included construction of terraced soil nail walls and mechanically stabilized earth walls, geotechnical remediation of 13 landslides totaling over 500,000 cubic yards of soil, and project grading totaling nearly 1.5 million cubic yards.

Project No.
12854.000.000

April 29, 2016

Mr. Todd Deutscher
Catalyst Development Partners
18 Crow Canyon Court, Suite 190
San Ramon, CA 94583

Subject: Jamison Way Parcels
Castro Valley, California

AGRICULTURAL CHEMICAL IMPACT ASSESSMENT

Reference: ENGEO, Phase I Environmental Site Assessment, Jamison Way Parcels, Castro Valley, California, Project No. 12854.000.000, March 18, 2016 (DRAFT).

Dear Mr. Deutscher:

We are pleased to submit this document summarizing recent soil sampling at the above-referenced property (Property) located in Castro Valley, California. This assessment was performed based on a recommendation in our referenced phase I environmental assessment. Since the Property was historically used for agricultural cultivation, an agrichemical assessment was conducted to evaluate the potential for residual concentrations of organochlorine pesticides and arsenical herbicides.

BACKGROUND

The Property is located on Jamison Way between Santa Maria Avenue and Redwood Road in Castro Valley, California (Figure 1). The approximately 2-acre Property is identified by the Assessor's Parcel Numbers (APN) listed below.

TABLE 1
Assessor's Parcel Number Summary

Address	APN
3544 Jamison Way, Castro Valley, CA 94546	84A-76-20-1
3546 Jamison Way, Castro Valley, CA 94546	84A-76-21-4
3548/3550 Jamison Way, Castro Valley, CA 94546	84A-76-21-6
3528 B Jamison Way, Castro Valley, CA 94546	84A-76-22
3530/3532/3534 Jamison Way, Castro Valley, CA 94546	84A-76-23

It appears that the Property was historically used as an orchard from at least the 1930s to the 1940s. Pesticides or other agricultural chemicals might have been applied to the Property at that time. While subsequent construction activity likely resulted in the disturbance, movement, dilution, and/or removal of possible pesticide-impacted soil on the Property, agricultural chemicals may remain in surface or near-surface soil.

SOIL SAMPLING

Initial fieldwork was conducted on March 25, 2016. Shallow soil samples were collected from four locations across the Property. Samples were recovered with hand sampling equipment. Specific soil samples were recovered for laboratory analysis by collecting soil from the respective desired sampling depths in each location. One sample was recovered from each boring at an approximate depth of 3 to 9 inches below the ground surface. The sample locations are depicted in Figure 2.

The samples were labeled to indicate a unique sample number, sample location, time and date collected, and the sampler's identification. Samples were preserved in a chilled cooler and transported to TestAmerica Laboratories, Inc., in Pleasanton, California under documented chain-of-custody.

The samples were analyzed for organochlorine pesticides (EPA Method 8081) and total arsenic (EPA 6020). Three of the four samples exhibited elevated concentrations of arsenic and/or several organochlorine pesticide analytes, including DDT, DDE, dieldrin, and chlordane.

Based on the initial results, additional sampling was performed on April 11, 2016. A total of 22 samples were collected from 10 locations at the following depths: 10 samples from 3 to 9 inches below the ground surface, 6 samples from 12 to 18 inches below the ground surface, and 6 samples from 18 to 24 inches below the ground surfaces. The samples were labeled to indicate a unique sample number, sample location, time and date collected, and the sampler's identification. Samples were preserved in a chilled cooler and transported to Torrent Laboratory, Inc., in Milpitas, California under documented chain-of-custody. The samples were analyzed for organochlorine pesticides (EPA Method 8081) and total arsenic (EPA 6010). The samples collected from 18 to 24 inches below the ground surface were held and not analyzed pending results of shallower samples.

SAMPLING RESULTS

As mentioned, three of the four initial samples (Samples S-1, S-3, and S-4) exhibited elevated concentrations of arsenic and/or several organochlorine pesticide analytes, including DDT, DDE, dieldrin, and chlordane. Samples collected from locations A3, A4, and A10 also exhibited elevated concentrations of DDT, DDE, dieldrin, and chlordane. Samples at A3 and A4 confirm impact to a depth of 18 inches. These concentrations exceed the current residential Regional Screening Level (RSL) established by the United States Environmental Protection Agency Region IX, and in some cases exceed respective Total Threshold Limit Concentrations (TTLC), which results in a Class I California Hazardous Waste designation. A summary table of the

results is presented in Table A, and the laboratory results are presented in their entirety in Appendix A.

IMPACTED VOLUME ESTIMATE

Based on the results of the agrichemical assessment, the extent of pesticide-impacted material encompasses three hotspots measuring a cumulative area of 55,000 square feet. Assuming an impacted soil thickness of 24 inches in the identified locations, approximately 2,000 cubic yards of impacted in-situ soil is present. The estimated quantity of California Hazardous Waste soil is approximately 1,000 cubic yards. The remainder of the volume (1,000 cubic yards) could be handled as Class II non-hazardous soil.

Please note this volume estimate is preliminary in nature, is based on the data presented, and represents only a general approximation of the extent of in-situ impacted soil. The soil volume would be expected to significantly dilate upon removal from the subsurface, resulting in a greater volume of soil subject to mitigation or remediation. Additionally, we recommend applying a contingency factor to account for this dilation as well as to account for existing soil that is present under structures and hardscape areas. These materials may be impacted but could not be assessed at this time.

REMEDIATION

Excavation and Offsite Disposal of Impacted Soil

Soil from impacted areas can be excavated and transported to an appropriate Class I hazardous waste facility and Class II non-hazardous waste facility as appropriate for disposal. Assuming an impacted volume of 2,000 cubic yards, a transport and disposal cost of $40 per ton for Class II non-hazardous waste, a transport and disposal cost of $120 per ton for Class I hazardous waste, a unit weight of approximately 1.5 tons per cubic yard of excavated soil, and a contingency of 40 percent, we estimate an associated cost of about $350,000 for transport and disposal. Based on our discussions with you regarding additional anticipated fees and costs, this sum may be extended to approximately $445,000. This estimate does not include the costs associated with importing clean backfill material for the excavation areas; we recommend that a cost of approximately $25,000 be included for an import program.

REGULATORY OVERSIGHT CONSIDERATIONS

Given the extent and the degree of impact, it is possible that a self-directed remediation program is feasible for the Property. If remediation were performed in a self-directed manner, neither regulatory agency oversight nor approval of a remedial plan or remediation activity would be requested. We would recommend the preparation of a Removal Action Workplan (RAW) following typical CAL-EPA protocols. Following report preparation of the report and subsequent remedial activity, we would prepare a Removal Action Completion Report (RACR). A self-directed remediation program would be expected to take approximately 2 months. Please

note this is a preliminary estimate; a remediation contractor may be engaged to provide a more detailed estimate.

In the event that regulatory agency oversight is desired or required to facilitate necessary development approvals or permits, it is likely the remedial work may be performed under the oversight of the Department of Toxic Substances Control. Regulatory oversight would be assigned as part of a joint review process between DTSC and the Regional Water Quality Control Board (RWQCB) under an existing Memorandum of Understanding (MOU).

Assuming the likely assumption of oversight jurisdiction by DTSC, the applicant would enter into a Voluntary Cleanup Agreement (VCA) with DTSC. The VCA would provide for oversight activity by DTSC with financial reimbursement for their oversight. Following a scoping meeting with DTSC, we would prepare a RAW for their review and approval. Again, following completion of remedial activity, we would provide a RACR for their review and approval. DTSC would also likely choose to review testing of import material following remediation. If DTSC oversight of remedial activity were necessary or requested, we would anticipate that the remediation program would take an additional 4 to 6 months until case closure is granted, as compared to pursuing a self-directed remediation program.

If you have any questions regarding this report, please do not hesitate to contact us.

Sincerely,

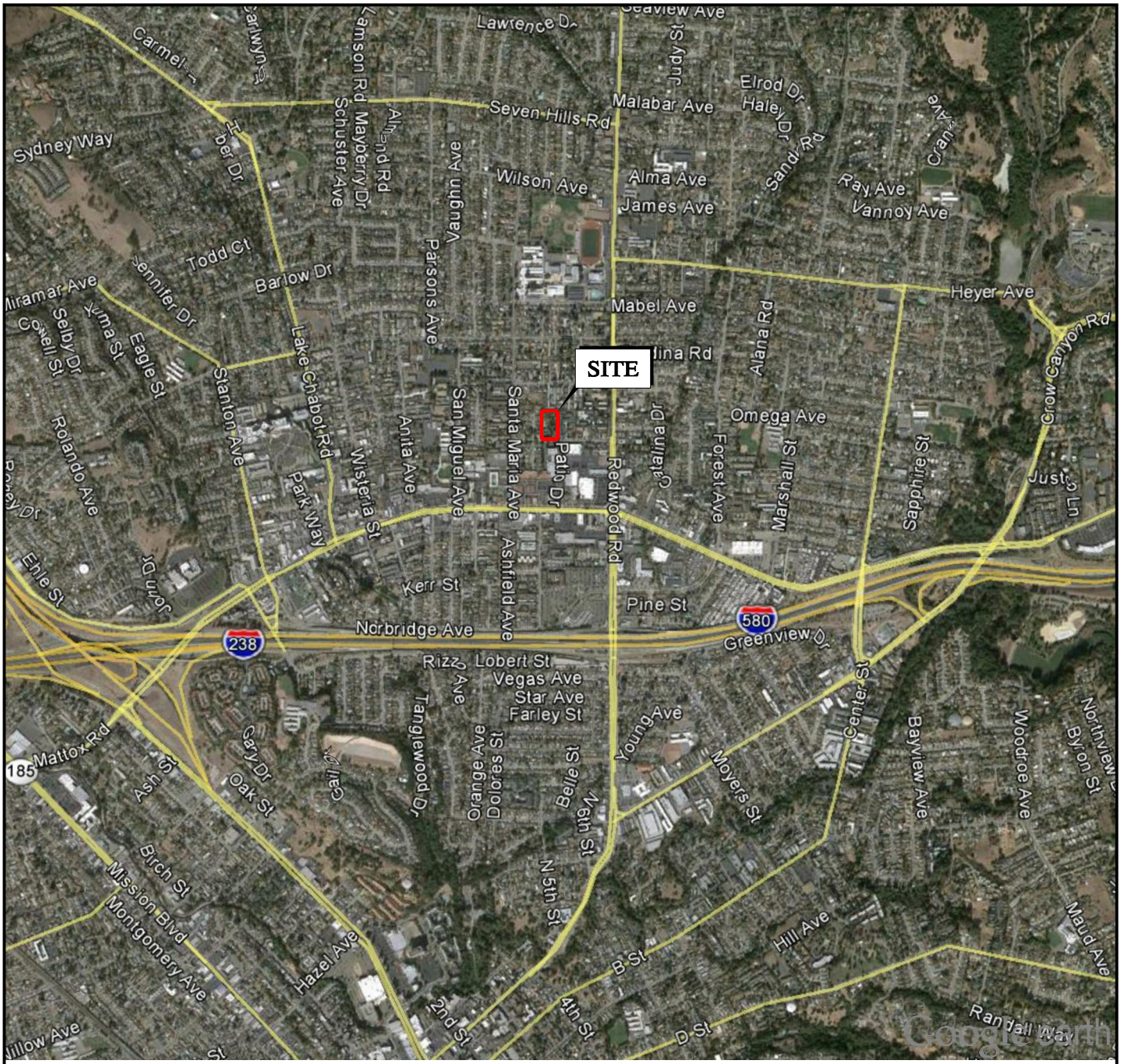
ENGEO Incorporated

Kelsey Gerhart

Jeffrey A. Adams, PhD, PE

Shawn Munger
kg/jaa/sm/jf

Attachments: Figure 1 - Vicinity Map
Figure 2 – Sampling Plan
Table A – Summary of Discrete Soil Analytical Results
Appendix A - Laboratory Analysis Reports



0 FEET 2000

0 METERS 1000

BASE MAP SOURCE: GOOGLE EARTH MAPPING SERVICE

ENGEO Expect Excellence

VICINITY MAP

JAMISON WAY PARCELS

CASTRO VALLEY, CALIFORNIA

PROJECT NO.: 12854.000.000		FIGURE NO. 1
SCALE: AS SHOWN		
DRAWN BY: LL	CHECKED BY: JAA	

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ORIGINAL FIGURE PRINTED IN COLOR

N

0 FEET 60

0 METERS 30

EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- SOIL INVESTIGATION (ENGEO, APRIL 2016)
- PRELIMINARY SOIL INVESTIGATION (ENGEO, MARCH 2016)

BASE MAP SOURCE: GOOGLE EARTH MAPPING SERVICE

ENGEO Expect Excellence

SAMPLING PLAN

JAMISON WAY PARCELS

CASTRO VALLEY, CALIFORNIA

PROJECT NO.:	12854.000.000
SCALE:	AS SHOWN
DRAWN BY: LL	CHECKED BY: JAA

FIGURE NO. 2

G:\Drafting\DRAFTING2_Dwg_10000 to 12999\12854\000\GEX 041816\12854000000-GEX-2-AerialMap-0416.dwg Plot Date: 4-20-16 llee

ORIGINAL FIGURE PRINTED IN COLOR

TABLE A

SUMMARY OF DISCRETE SOIL ANALYTICAL RESULTS

SAMPLE ID	DATE	Type of sample	Metals				OCPs							
			Arsenic	alpha-Chlordane	gamma-Chlordane	Heptachlor epoxide	Chlordane	delta-BHC	gamma-BHC (Lindane)	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Other OCPs
			mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Screening Level[1]			**0.68**	**--**	**--**	**70**	**430[2]**	**--**	**--**	**2,300**	**2,000**	**1,900**	**34**	**N/A**
S1	3/25/2016	Discrete	9.3	4.8	2.9	ND	ND	ND	ND	ND	6.3	13	93	ND
S2	3/25/2016	Discrete	10	3.7	ND	ND	ND	ND	ND	ND	77	38	16	ND
S3	3/25/2016	Discrete	35	170	180	13	1200	ND	4.2	27	130	360	420	ND
S4	3/25/2016	Discrete	33	1100	820	ND	5500	ND	ND	520	1700	950	30	ND
A1 @ 3 - 9"	4/11/2016	Discrete	8.8	ND	ND	ND	ND	4	ND	ND	17	30	33	ND
A1 @ 12 - 18"	4/11/2016	Discrete	9	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND
A2 @ 3 - 9"	4/11/2016	Discrete	16	8.2	5.6	ND	80	ND	ND	ND	120	21	13	ND
A3 @ 3 - 9"	4/11/2016	Discrete	9	12	9.4	ND	140	ND	ND	ND	15	14	90	ND
A3 @ 12 - 18"	4/11/2016	Discrete	7.9	16	13	ND	170	ND	ND	ND	26	20	170	ND
A4 @ 3 - 9"	4/11/2016	Discrete	11	980	850	45	5300	ND	ND	480	15000	24000	190	ND
A4 @ 12 - 18"	4/11/2016	Discrete	9.7	89	83	10	750	ND	ND	16	360	1000	29	ND
A5 @ 3 - 9"	4/11/2016	Discrete	8.9	ND	4	ND	ND	ND	ND	ND	130	33	13	ND
A6 @ 3 - 9"	4/11/2016	Discrete	9	ND	7.9	ND	ND	ND	ND	ND	45	56	27	ND
A6 @ 12 - 18"	4/11/2016	Discrete	8.6	ND	ND	ND	ND	ND	ND	ND	3.8	3.8	3.6	ND
A7 @ 3 - 9"	4/11/2016	Discrete	7.9	3.8	4.2	ND	ND	ND	ND	ND	23	12	7.6	ND
A8 @ 3 - 9"	4/11/2016	Discrete	8.2	ND	ND	ND	ND	ND	ND	ND	6.6	4.8	ND	ND
A9 @ 3 - 9"	4/11/2016	Discrete	8.3	ND	ND	ND	ND	ND	ND	ND	42	14	4.4	ND
A9 @ 12 - 18"	4/11/2016	Discrete	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A10 @ 3 - 9"	4/11/2016	Discrete	9.5	49	46	7.1	590	ND	ND	12	680	410	420	ND
A10 @ 12 - 18"	4/11/2016	Discrete	8.4	ND	ND	ND	ND	ND	ND	2.6	11	3.7	2.5	ND

Notes:
N/A = not applicable
NA = not analyzed
ND = not detected
[1] EPA Region 9 Regional Screening Levels (RSLs) for residential soil, November 2015.
[2]DTSC HERO Note 3, DTSC-Modified Screening Levels (DTSC-SLs), May 2015.

APPENDIX A

LABORATORY ANALYSIS RESULTS

TestAmerica Laboratories, Inc.
Torrent Laboratory, Inc.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-71116-1
Client Project/Site: Jamison Way Parcels

For:
Engeo, Inc.
2010 Crow Canyon Place
Suite 250
San Ramon, California 94583

Attn: Mr. Jeff Adams

Authorized for release by:
4/5/2016 5:42:39 PM

Afsaneh Salimpour, Senior Project Manager
(925)484-1919
afsaneh.salimpour@testamericainc.com

Table of Contents

Definitions/Glossary

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-71116-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-71116-1

Comments
No additional comments.

Receipt
The samples were received on 3/25/2016 8:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 15.5º C.

GC Semi VOA
Method(s) 8081A: The continuing calibration verification (CCV) associated with batch 720-199936 recovered above the upper control limit for Toxaphene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: S4 (720-71116-4).

Method(s) 8081A: The %RPD between the primary and confirmation column exceeded 40% for alpha-Chlordane & gamma-Chlordane for the following samples: S1 (720-71116-1). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method(s) 8081A: The %RPD between the primary and confirmation column exceeded 40% for alpha-Chlordane for the following samples: S2 (720-71116-2). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method(s) 8081A: The %RPD between the primary and confirmation column exceeded 40% for Heptachlor epoxide, alpha-Chlordane & 4,4'-DDD for the following samples: S3 (720-71116-3). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

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

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

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

Detection Summary

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Client Sample ID: S1 — Lab Sample ID: 720-71116-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	93		2.0		ug/Kg	1		8081A	Total/NA
4,4'-DDT	13		2.0		ug/Kg	1		8081A	Total/NA
4,4'-DDE	6.3		2.0		ug/Kg	1		8081A	Total/NA
alpha-Chlordane	4.8	p	2.0		ug/Kg	1		8081A	Total/NA
gamma-Chlordane	2.9	p	2.0		ug/Kg	1		8081A	Total/NA
Arsenic	9.3		0.44		mg/Kg	10		6020	Total/NA

Client Sample ID: S2 — Lab Sample ID: 720-71116-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	16		2.0		ug/Kg	1		8081A	Total/NA
4,4'-DDT	38		2.0		ug/Kg	1		8081A	Total/NA
4,4'-DDE	77		2.0		ug/Kg	1		8081A	Total/NA
alpha-Chlordane	3.7	p	2.0		ug/Kg	1		8081A	Total/NA
Arsenic	10		0.45		mg/Kg	10		6020	Total/NA

Client Sample ID: S3 — Lab Sample ID: 720-71116-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	420		3.9		ug/Kg	2		8081A	Total/NA
Heptachlor epoxide	13	p	3.9		ug/Kg	2		8081A	Total/NA
4,4'-DDT	360		3.9		ug/Kg	2		8081A	Total/NA
4,4'-DDE	130		3.9		ug/Kg	2		8081A	Total/NA
4,4'-DDD	27	p	3.9		ug/Kg	2		8081A	Total/NA
gamma-BHC (Lindane)	4.2		3.9		ug/Kg	2		8081A	Total/NA
Chlordane (technical)	1200		79		ug/Kg	2		8081A	Total/NA
alpha-Chlordane	170	p	3.9		ug/Kg	2		8081A	Total/NA
gamma-Chlordane	180		3.9		ug/Kg	2		8081A	Total/NA
Arsenic	35		0.46		mg/Kg	10		6020	Total/NA

Client Sample ID: S4 — Lab Sample ID: 720-71116-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	30		20		ug/Kg	10		8081A	Total/NA
4,4'-DDT	950		20		ug/Kg	10		8081A	Total/NA
4,4'-DDE	1700		20		ug/Kg	10		8081A	Total/NA
4,4'-DDD	520		20		ug/Kg	10		8081A	Total/NA
Chlordane (technical)	5500		400		ug/Kg	10		8081A	Total/NA
alpha-Chlordane	1100		20		ug/Kg	10		8081A	Total/NA
gamma-Chlordane	820		20		ug/Kg	10		8081A	Total/NA
Arsenic	33		0.45		mg/Kg	10		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: S1

Date Collected: 03/25/16 07:56
Date Received: 03/25/16 08:40

Lab Sample ID: 720-71116-1

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Dieldrin	**93**		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Endrin aldehyde	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Endrin	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Endrin ketone	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Heptachlor	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Heptachlor epoxide	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
4,4'-DDT	**13**		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
4,4'-DDE	**6.3**		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
4,4'-DDD	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Endosulfan I	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Endosulfan II	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
alpha-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
beta-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
delta-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Endosulfan sulfate	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Methoxychlor	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Toxaphene	ND		39		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Chlordane (technical)	ND		39		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
alpha-Chlordane	**4.8**	**p**	2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
gamma-Chlordane	**2.9**	**p**	2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*57 - 122*	*03/31/16 10:15*	*04/05/16 09:01*	*1*
DCB Decachlorobiphenyl	*131*		*21 - 136*	*03/31/16 10:15*	*04/05/16 09:01*	*1*

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**9.3**		0.44		mg/Kg		03/30/16 08:51	03/30/16 18:00	10

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Client Sample ID: S2
Date Collected: 03/25/16 08:02
Date Received: 03/25/16 08:40

Lab Sample ID: 720-71116-2
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Dieldrin	**16**		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Endrin aldehyde	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Endrin	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Endrin ketone	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Heptachlor	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Heptachlor epoxide	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
4,4'-DDT	**38**		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
4,4'-DDE	**77**		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
4,4'-DDD	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Endosulfan I	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Endosulfan II	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
alpha-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
beta-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
delta-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Endosulfan sulfate	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Methoxychlor	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Toxaphene	ND		39		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Chlordane (technical)	ND		39		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
alpha-Chlordane	**3.7**	**p**	2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
gamma-Chlordane	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*57 - 122*	*03/31/16 10:15*	*04/05/16 09:19*	*1*
DCB Decachlorobiphenyl	*115*		*21 - 136*	*03/31/16 10:15*	*04/05/16 09:19*	*1*

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**10**		0.45		mg/Kg		03/30/16 08:51	03/30/16 18:04	10

Client Sample ID: S3

Date Collected: 03/25/16 08:08
Date Received: 03/25/16 08:40

Lab Sample ID: 720-71116-3

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Dieldrin	**420**		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Endrin aldehyde	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Endrin	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Endrin ketone	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Heptachlor	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Heptachlor epoxide	**13**	**p**	3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
4,4'-DDT	**360**		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
4,4'-DDE	**130**		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
4,4'-DDD	**27**	**p**	3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Endosulfan I	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Endosulfan II	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
alpha-BHC	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
beta-BHC	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
gamma-BHC (Lindane)	**4.2**		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
delta-BHC	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Endosulfan sulfate	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Methoxychlor	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Toxaphene	ND		79		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Chlordane (technical)	**1200**		79		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
alpha-Chlordane	**170**	**p**	3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
gamma-Chlordane	**180**		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*57 - 122*	*03/31/16 10:15*	*04/05/16 09:36*	*2*
DCB Decachlorobiphenyl	*118*		*21 - 136*	*03/31/16 10:15*	*04/05/16 09:36*	*2*

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**35**		0.46		mg/Kg		03/30/16 08:51	03/30/16 18:09	10

Client Sample Results

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Client Sample ID: S4

Date Collected: 03/25/16 08:12
Date Received: 03/25/16 08:40

Lab Sample ID: 720-71116-4

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Dieldrin	**30**		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Endrin aldehyde	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Endrin	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Endrin ketone	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Heptachlor	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Heptachlor epoxide	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
4,4'-DDT	**950**		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
4,4'-DDE	**1700**		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
4,4'-DDD	**520**		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Endosulfan I	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Endosulfan II	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
alpha-BHC	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
beta-BHC	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
gamma-BHC (Lindane)	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
delta-BHC	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Endosulfan sulfate	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Methoxychlor	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Toxaphene	ND		400		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Chlordane (technical)	**5500**		400		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
alpha-Chlordane	**1100**		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
gamma-Chlordane	**820**		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*X D*	*57 - 122*	*03/31/16 10:15*	*04/05/16 15:15*	*10*
DCB Decachlorobiphenyl	*0*	*X D*	*21 - 136*	*03/31/16 10:15*	*04/05/16 15:15*	*10*

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**33**		0.45		mg/Kg		03/30/16 08:51	03/30/16 18:13	10

Surrogate Summary

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCB2
Lab Sample ID	Client Sample ID	(57-122)	(21-136)
720-71116-1	S1	85	131
720-71116-2	S2	87	115
720-71116-3	S3	84	118

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(57-122)	(21-136)
720-71116-4	S4	0 X D	0 X D
LCS 720-199685/2-A	Lab Control Sample	93	106

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB2
Lab Sample ID	Client Sample ID	(57-122)	(21-136)
MB 720-199685/1-A	Method Blank	96	98

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 720-199685/1-A
Matrix: Solid
Analysis Batch: 199936

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 199685

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Dieldrin	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Endrin aldehyde	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Endrin	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Endrin ketone	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Heptachlor	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Heptachlor epoxide	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
4,4'-DDT	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
4,4'-DDE	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
4,4'-DDD	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Endosulfan I	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Endosulfan II	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
alpha-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
beta-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
delta-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Endosulfan sulfate	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Methoxychlor	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Toxaphene	ND		40		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Chlordane (technical)	ND		40		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
alpha-Chlordane	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
gamma-Chlordane	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*57 - 122*	*03/31/16 10:15*	*04/05/16 05:25*	*1*
DCB Decachlorobiphenyl	*98*		*21 - 136*	*03/31/16 10:15*	*04/05/16 05:25*	*1*

Lab Sample ID: LCS 720-199685/2-A
Matrix: Solid
Analysis Batch: 199936

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 199685

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	16.7	15.5		ug/Kg		93	65 - 120
Dieldrin	16.7	16.5		ug/Kg		99	72 - 120
Endrin aldehyde	16.7	17.4		ug/Kg		104	68 - 120
Endrin	16.7	17.1		ug/Kg		102	68 - 120
Endrin ketone	16.7	16.9		ug/Kg		101	84 - 133
Heptachlor	16.7	16.2		ug/Kg		97	69 - 120
Heptachlor epoxide	16.7	17.0		ug/Kg		102	68 - 120
4,4'-DDT	16.7	15.4		ug/Kg		93	63 - 127
4,4'-DDE	16.7	16.7		ug/Kg		100	84 - 126
4,4'-DDD	16.7	17.0		ug/Kg		102	85 - 128
Endosulfan I	16.7	16.9		ug/Kg		101	62 - 120
Endosulfan II	16.7	16.9		ug/Kg		102	65 - 120
alpha-BHC	16.7	15.3		ug/Kg		92	62 - 120
beta-BHC	16.7	16.7		ug/Kg		100	74 - 124
gamma-BHC (Lindane)	16.7	15.9		ug/Kg		95	72 - 120
delta-BHC	16.7	13.5		ug/Kg		81	43 - 125

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

Lab Sample ID: LCS 720-199685/2-A
Matrix: Solid
Analysis Batch: 199936

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 199685

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Endosulfan sulfate			16.7	16.3		ug/Kg		98	74 - 121		
Methoxychlor			16.7	16.5		ug/Kg		99	71 - 132		
alpha-Chlordane			16.7	16.2		ug/Kg		97	70 - 120		
gamma-Chlordane			16.7	16.3		ug/Kg		98	68 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*93*		*57 - 122*
DCB Decachlorobiphenyl	*106*		*21 - 136*

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 580-213921/21-A
Matrix: Solid
Analysis Batch: 214025

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 213921

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.25		mg/Kg		03/30/16 08:51	03/30/16 16:44	5

Lab Sample ID: LCS 580-213921/22-A
Matrix: Solid
Analysis Batch: 214025

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 213921

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			200	199		mg/Kg		100	80 - 120		

Lab Sample ID: LCSD 580-213921/23-A
Matrix: Solid
Analysis Batch: 214025

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 213921

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			200	197		mg/Kg		98	80 - 120	1	20

QC Association Summary

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

GC Semi VOA

Prep Batch: 199685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71116-1	S1	Total/NA	Solid	3546	
720-71116-2	S2	Total/NA	Solid	3546	
720-71116-3	S3	Total/NA	Solid	3546	
720-71116-4	S4	Total/NA	Solid	3546	
LCS 720-199685/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 720-199685/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 199935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71116-1	S1	Total/NA	Solid	8081A	199685
720-71116-2	S2	Total/NA	Solid	8081A	199685
720-71116-3	S3	Total/NA	Solid	8081A	199685

Analysis Batch: 199936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71116-4	S4	Total/NA	Solid	8081A	199685
LCS 720-199685/2-A	Lab Control Sample	Total/NA	Solid	8081A	199685
MB 720-199685/1-A	Method Blank	Total/NA	Solid	8081A	199685

Metals

Prep Batch: 213921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71116-1	S1	Total/NA	Solid	3050B	
720-71116-2	S2	Total/NA	Solid	3050B	
720-71116-3	S3	Total/NA	Solid	3050B	
720-71116-4	S4	Total/NA	Solid	3050B	
LCS 580-213921/22-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 580-213921/23-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
MB 580-213921/21-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 214025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71116-1	S1	Total/NA	Solid	6020	213921
720-71116-2	S2	Total/NA	Solid	6020	213921
720-71116-3	S3	Total/NA	Solid	6020	213921
720-71116-4	S4	Total/NA	Solid	6020	213921
LCS 580-213921/22-A	Lab Control Sample	Total/NA	Solid	6020	213921
LCSD 580-213921/23-A	Lab Control Sample Dup	Total/NA	Solid	6020	213921
MB 580-213921/21-A	Method Blank	Total/NA	Solid	6020	213921

Lab Chronicle

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Client Sample ID: S1
Date Collected: 03/25/16 07:56
Date Received: 03/25/16 08:40

Lab Sample ID: 720-71116-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			199685	03/31/16 10:15	KMK	TAL PLS
Total/NA	Analysis	8081A		1	199935	04/05/16 09:01	JZT	TAL PLS
Total/NA	Prep	3050B			213921	03/30/16 08:51	MKN	TAL SEA
Total/NA	Analysis	6020		10	214025	03/30/16 18:00	FCW	TAL SEA

Client Sample ID: S2
Date Collected: 03/25/16 08:02
Date Received: 03/25/16 08:40

Lab Sample ID: 720-71116-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			199685	03/31/16 10:15	KMK	TAL PLS
Total/NA	Analysis	8081A		1	199935	04/05/16 09:19	JZT	TAL PLS
Total/NA	Prep	3050B			213921	03/30/16 08:51	MKN	TAL SEA
Total/NA	Analysis	6020		10	214025	03/30/16 18:04	FCW	TAL SEA

Client Sample ID: S3
Date Collected: 03/25/16 08:08
Date Received: 03/25/16 08:40

Lab Sample ID: 720-71116-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			199685	03/31/16 10:15	KMK	TAL PLS
Total/NA	Analysis	8081A		2	199935	04/05/16 09:36	JZT	TAL PLS
Total/NA	Prep	3050B			213921	03/30/16 08:51	MKN	TAL SEA
Total/NA	Analysis	6020		10	214025	03/30/16 18:09	FCW	TAL SEA

Client Sample ID: S4
Date Collected: 03/25/16 08:12
Date Received: 03/25/16 08:40

Lab Sample ID: 720-71116-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			199685	03/31/16 10:15	KMK	TAL PLS
Total/NA	Analysis	8081A		10	199936	04/05/16 15:15	JZT	TAL PLS
Total/NA	Prep	3050B			213921	03/30/16 08:51	MKN	TAL SEA
Total/NA	Analysis	6020		10	214025	03/30/16 18:13	FCW	TAL SEA

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Certification Summary

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-17

Analysis Method	Prep Method	Matrix	Analyte

Laboratory: TestAmerica Seattle

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-022	03-02-17
California	State Program	9	2901	01-31-18
L-A-B	DoD ELAP		L2236	01-19-19
L-A-B	ISO/IEC 17025		L2236	01-19-19
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-06-16
US Fish & Wildlife	Federal		LE058448-0	10-31-16
USDA	Federal		P330-14-00126	04-08-17
Washington	State Program	10	C553	02-17-17

Method Summary

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Method	Method Description	Protocol	Laboratory
8081A	Organochlorine Pesticides (GC)	SW846	TAL PLS
6020	Metals (ICP/MS)	SW846	TAL SEA

Protocol References:

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

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-71116-1	S1	Solid	03/25/16 07:56	03/25/16 08:40
720-71116-2	S2	Solid	03/25/16 08:02	03/25/16 08:40
720-71116-3	S3	Solid	03/25/16 08:08	03/25/16 08:40
720-71116-4	S4	Solid	03/25/16 08:12	03/25/16 08:40

720-71116

167574

Chain of Custody Record

TestAmerica Pleasanton
1220 Quarry Lane

Pleasanton, CA 94566-4756
phone 925.484.1919 fax 925.600.3002

TestAmerica
THE LEADER in ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

4/5/2016

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Jeff Adams	Site Contact: Jenna Lohmann	Date:	COC No:
ENGEO, Inc	Tel/Fax:	Lab Contact:	Carrier:	____ of ____ COCs
2010 Crow Canyon Place, Suite 250	**Analysis Turnaround Time**			Sampler.
San Ramon, CA 94583	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
(925) 866-9000 Phone	TAT if different from Below ____			Walk-in Client:
(888) 279-2698 FAX	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day	standard TAT		Lab Sampling:
Project Name: Jamison Way Parcels				Job / SDG No.:
Site: Jamison Way, Castro Valley				
P O # 12584.000.000				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Organochlorine Pesticides (EPA 8081)	Arsenic (EPA 6010/6020)	Sample Specific Notes:
S1	3/25/2016	0756	grab	soil	2			x	x	15.5°C
S2	3/25/2016	0802	grab	soil	2			x	x	
S3	3/25/2016	0808	grab	soil	2			x	x	
S4	3/25/2016	0812	grab	soil	2			x	x	

720-71116 Chain of Custody

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

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd ____ Corr'd ____		Therm ID No.: ____
Relinquished by:	Company: ENGEO	Date/Time: 3/25 0840	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TestAmerica	Date/Time: 3/25/16 0840

Form No. CA-C-WI-002, Rev. 4.9, dated 2/2/2016

TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Phone (925) 484-1919 Fax (925) 600-3002

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4/5/2016

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Salimpour, Afsaneh	Carrier Tracking No(s):	COC No: 720-28283.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: afsaneh.salimpour@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 720-71116-1
Address: 5755 8th Street East, ,	Due Date Requested: 3/31/2016			Preservation Codes:
City: Tacoma	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify) Other:
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel) 253-922-5047(Fax)	PO #:			
Email:	WO #:			
Project Name: Jamison Way Parcels	Project #: 72007857			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020/3050B (MOD) Arsenic	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
S1 (720-71116-1)	3/25/16	07:56 Pacific		Solid			X	1	
S2 (720-71116-2)	3/25/16	08:02 Pacific		Solid			X	1	
S3 (720-71116-3)	3/25/16	08:08 Pacific		Solid			X	1	
S4 (720-71116-4)	3/25/16	08:12 Pacific		Solid			X	1	

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	3/25/16 1440	TA	[signature]	3/26/16 0940	STLSTA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR2 = 0.7 / 0.8

Login Sample Receipt Checklist

Client: Engeo, Inc.

Job Number: 720-71116-1

Login Number: 71116
List Number: 1
Creator: Duong, Paloma R

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Engeo, Inc.

Job Number: 720-71116-1

Login Number: 71116
List Number: 2
Creator: Abello, Andrea N

List Source: TestAmerica Seattle
List Creation: 03/26/16 10:55 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR2 = 0.7 / 0.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

RE: Jamison Way

Work Order No.: 1604069

Dear Kelsey Gerhart:

Torrent Laboratory, Inc. received 22 sample(s) on April 11, 2016 for the analyses presented in the following Report.

As requested on the chain of custody, six samples were placed on hold.

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

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

Patti Sandrock
QA Officer

April 14, 2016
Date

Date: 4/14/2016

Client: Engeo (San Ramon)

Project: Jamison Way

Work Order: 1604069

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.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

A1 @ 3-9" 1604069-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	8.8	mg/Kg
delta-BHC	SW8081A	10	4.0	20	4.0	ug/Kg
4,4'-DDE	SW8081A	10	5.1	20	17	ug/Kg
Dieldrin	SW8081A	10	5.8	20	33	ug/Kg
4,4'-DDT	SW8081A	10	6.7	20	30	ug/Kg

A1 @ 12-18" 1604069-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	9.0	mg/Kg
4,4'-DDE	SW8081A	4	2.0	8.0	2.7	ug/Kg

A2 @ 3-9" 1604069-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	16	mg/Kg
gamma-Chlordane	SW8081A	4	3.2	8.0	5.6	ug/Kg
alpha-Chlordane	SW8081A	4	3.8	8.0	8.2	ug/Kg
4,4'-DDE	SW8081A	4	2.0	8.0	120	ug/Kg
Dieldrin	SW8081A	4	2.3	8.0	13	ug/Kg
4,4'-DDT	SW8081A	4	2.7	8.0	21	ug/Kg
Chlordane	SW8081A	4	41	80	80	ug/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

A3 @ 3-9" 1604069-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
gamma-Chlordane	SW8081A	10	7.9	20	9.4	ug/Kg
alpha-Chlordane	SW8081A	10	9.4	20	12	ug/Kg
4,4'-DDE	SW8081A	10	5.1	20	15	ug/Kg
Dieldrin	SW8081A	10	5.8	20	90	ug/Kg
4,4'-DDT	SW8081A	10	6.7	20	14	ug/Kg
Chlordane	SW8081A	10	100	200	140	ug/Kg
Arsenic	SW6010B	1	0.28	1.7	9.0	mg/Kg

A3 @ 12-18" 1604069-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
gamma-Chlordane	SW8081A	10	7.9	20	13	ug/Kg
alpha-Chlordane	SW8081A	10	9.4	20	16	ug/Kg
4,4'-DDE	SW8081A	10	5.1	20	26	ug/Kg
Dieldrin	SW8081A	10	5.8	20	170	ug/Kg
4,4'-DDT	SW8081A	10	6.7	20	20	ug/Kg
Chlordane	SW8081A	10	100	200	170	ug/Kg
Arsenic	SW6010B	1	0.28	1.7	7.9	mg/Kg

A4 @ 3-9" 1604069-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4'-DDT	SW8081A	1000	670	2000	24000	ug/Kg
gamma-Chlordane	SW8081A	100	79	200	850	ug/Kg
alpha-Chlordane	SW8081A	100	94	200	980	ug/Kg
4,4'-DDE	SW8081A	100	51	200	1500	ug/Kg
Heptachlor epoxide	SW8081A	10	3.6	20	45	ug/Kg
Dieldrin	SW8081A	10	5.8	20	190	ug/Kg
4,4'-DDD	SW8081A	10	7.6	20	480	ug/Kg
Chlordane	SW8081A	10	100	200	5300	ug/Kg
Arsenic	SW6010B	1	0.28	1.7	11	mg/Kg

Sample Result Summary

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

A4 @ 12-18" 1604069-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4'-DDE	SW8081A	10	5.1	20	360	ug/Kg
Arsenic	SW6010B	1	0.28	1.7	9.7	mg/Kg
Heptachlor epoxide	SW8081A	4	1.4	8.0	10	ug/Kg
gamma-Chlordane	SW8081A	4	3.2	8.0	83	ug/Kg
alpha-Chlordane	SW8081A	4	3.8	8.0	89	ug/Kg
Dieldrin	SW8081A	4	2.3	8.0	29	ug/Kg
4,4'-DDD	SW8081A	4	3.0	8.0	16	ug/Kg
Chlordane	SW8081A	4	41	80	750	ug/Kg
4,4'-DDT	SW8081A	50	33	100	1000	ug/Kg

A5 @ 3-9" 1604069-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	8.9	mg/Kg
gamma-Chlordane	SW8081A	4	3.2	8.0	4.0	ug/Kg
4,4'-DDE	SW8081A	4	2.0	8.0	130	ug/Kg
Dieldrin	SW8081A	4	2.3	8.0	13	ug/Kg
4,4'-DDT	SW8081A	4	2.7	8.0	33	ug/Kg

A6 @ 3-9" 1604069-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
gamma-Chlordane	SW8081A	10	7.9	20	7.9	ug/Kg
4,4'-DDE	SW8081A	10	5.1	20	45	ug/Kg
Dieldrin	SW8081A	10	5.8	20	27	ug/Kg
4,4'-DDT	SW8081A	10	6.7	20	56	ug/Kg
Arsenic	SW6010B	1	0.28	1.7	9.0	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

A6 @ 12-18" 1604069-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	8.6	mg/Kg
4,4'-DDE	SW8081A	4	2.0	8.0	3.8	ug/Kg
Dieldrin	SW8081A	4	2.3	8.0	3.6	ug/Kg
4,4'-DDT	SW8081A	4	2.7	8.0	3.8	ug/Kg

A7 @ 3-9" 1604069-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	7.9	mg/Kg
gamma-Chlordane	SW8081A	4	3.2	8.0	4.2	ug/Kg
alpha-Chlordane	SW8081A	4	3.8	8.0	3.8	ug/Kg
4,4'-DDE	SW8081A	4	2.0	8.0	23	ug/Kg
Dieldrin	SW8081A	4	2.3	8.0	7.6	ug/Kg
4,4'-DDT	SW8081A	4	2.7	8.0	12	ug/Kg

A8 @ 3-9" 1604069-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	8.2	mg/Kg
4,4'-DDE	SW8081A	4	2.0	8.0	6.6	ug/Kg
4,4'-DDT	SW8081A	4	2.7	8.0	4.8	ug/Kg

A9 @ 3-9" 1604069-017

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	8.3	mg/Kg
4,4'-DDE	SW8081A	4	2.0	8.0	42	ug/Kg
Dieldrin	SW8081A	4	2.3	8.0	4.4	ug/Kg
4,4'-DDT	SW8081A	4	2.7	8.0	14	ug/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

A9 @ 12-18" 1604069-018

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	9.0	mg/Kg

A10@ 3-9" 1604069-020

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Heptachlor epoxide	SW8081A	10	3.6	20	7.1	ug/Kg
gamma-Chlordane	SW8081A	10	7.9	20	46	ug/Kg
alpha-Chlordane	SW8081A	10	9.4	20	49	ug/Kg
Dieldrin	SW8081A	10	5.8	20	420	ug/Kg
4,4'-DDD	SW8081A	10	7.6	20	12	ug/Kg
4,4'-DDT	SW8081A	10	6.7	20	410	ug/Kg
Chlordane	SW8081A	10	100	200	590	ug/Kg
Arsenic	SW6010B	1	0.28	1.7	9.5	mg/Kg
4,4'-DDE	SW8081A	20	10	40	680	ug/Kg

A10 @ 12-18" 1604069-021

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	8.4	mg/Kg
4,4'-DDE	SW8081A	1	0.51	2.0	11	ug/Kg
Dieldrin	SW8081A	1	0.58	2.0	2.5	ug/Kg
4,4'-DDD	SW8081A	1	0.76	2.0	2.6	ug/Kg
4,4'-DDT	SW8081A	1	0.67	2.0	3.7	ug/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID: A1 @ 3-9"
Project Name/Location: Jamison Way
Project Number: 12854.000.000
Date/Time Sampled: 04/11/16 / 8:45

Lab Sample ID: 1604069-001A
Sample Matrix: Soil

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	8.8		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/11/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16830
gamma-BHC	SW8081A	4/11/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16830
beta-BHC	SW8081A	4/11/16	04/13/16	10	5.6	20	ND		ug/Kg	429672	16830
delta-BHC	SW8081A	4/11/16	04/13/16	10	4.0	20	4.0		ug/Kg	429672	16830
Heptachlor	SW8081A	4/11/16	04/13/16	10	7.9	20	ND		ug/Kg	429672	16830
Aldrin	SW8081A	4/11/16	04/13/16	10	8.1	20	ND		ug/Kg	429672	16830
Heptachlor epoxide	SW8081A	4/11/16	04/13/16	10	3.6	20	ND		ug/Kg	429672	16830
gamma-Chlordane	SW8081A	4/11/16	04/13/16	10	7.9	20	ND		ug/Kg	429672	16830
alpha-Chlordane	SW8081A	4/11/16	04/13/16	10	9.4	20	ND		ug/Kg	429672	16830
Endosulfan I	SW8081A	4/11/16	04/13/16	10	6.4	20	ND		ug/Kg	429672	16830
4,4'-DDE	SW8081A	4/11/16	04/13/16	10	5.1	20	17	J	ug/Kg	429672	16830
Dieldrin	SW8081A	4/11/16	04/13/16	10	5.8	20	33		ug/Kg	429672	16830
Endrin	SW8081A	4/11/16	04/13/16	10	8.6	20	ND		ug/Kg	429672	16830
4,4'-DDD	SW8081A	4/11/16	04/13/16	10	7.6	20	ND		ug/Kg	429672	16830
Endosulfan II	SW8081A	4/11/16	04/13/16	10	8.2	20	ND		ug/Kg	429672	16830
4,4'-DDT	SW8081A	4/11/16	04/13/16	10	6.7	20	30		ug/Kg	429672	16830
Endrin aldehyde	SW8081A	4/11/16	04/13/16	10	4.6	20	ND		ug/Kg	429672	16830
Endosulfan sulfate	SW8081A	4/11/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16830
Methoxychlor	SW8081A	4/11/16	04/13/16	10	6.1	50	ND		ug/Kg	429672	16830
Endrin Ketone	SW8081A	4/11/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16830
Chlordane	SW8081A	4/11/16	04/13/16	10	100	200	ND		ug/Kg	429672	16830
Toxaphene	SW8081A	4/11/16	04/13/16	10	82	1000	ND		ug/Kg	429672	16830
TCMX (S)	SW8081A	4/11/16	04/13/16	10	52.5	139	93.5		%	429672	16830
DCBP (S)	SW8081A	4/11/16	04/13/16	10	50.2	139	99.3		%	429672	16830

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A1 @ 12-18"	**Lab Sample ID:**	1604069-002A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 8:50		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	9.0		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/11/16	04/13/16	4	2.4	8.0	ND		ug/Kg	429672	16830
gamma-BHC	SW8081A	4/11/16	04/13/16	4	2.5	8.0	ND		ug/Kg	429672	16830
beta-BHC	SW8081A	4/11/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16830
delta-BHC	SW8081A	4/11/16	04/13/16	4	1.6	8.0	ND		ug/Kg	429672	16830
Heptachlor	SW8081A	4/11/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16830
Aldrin	SW8081A	4/11/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16830
Heptachlor epoxide	SW8081A	4/11/16	04/13/16	4	1.4	8.0	ND		ug/Kg	429672	16830
gamma-Chlordane	SW8081A	4/11/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16830
alpha-Chlordane	SW8081A	4/11/16	04/13/16	4	3.8	8.0	ND		ug/Kg	429672	16830
Endosulfan I	SW8081A	4/11/16	04/13/16	4	2.6	8.0	ND		ug/Kg	429672	16830
4,4'-DDE	SW8081A	4/11/16	04/13/16	4	2.0	8.0	2.7	J	ug/Kg	429672	16830
Dieldrin	SW8081A	4/11/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16830
Endrin	SW8081A	4/11/16	04/13/16	4	3.4	8.0	ND		ug/Kg	429672	16830
4,4'-DDD	SW8081A	4/11/16	04/13/16	4	3.0	8.0	ND		ug/Kg	429672	16830
Endosulfan II	SW8081A	4/11/16	04/13/16	4	3.3	8.0	ND		ug/Kg	429672	16830
4,4'-DDT	SW8081A	4/11/16	04/13/16	4	2.7	8.0	ND		ug/Kg	429672	16830
Endrin aldehyde	SW8081A	4/11/16	04/13/16	4	1.8	8.0	ND		ug/Kg	429672	16830
Endosulfan sulfate	SW8081A	4/11/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16830
Methoxychlor	SW8081A	4/11/16	04/13/16	4	2.5	20	ND		ug/Kg	429672	16830
Endrin Ketone	SW8081A	4/11/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16830
Chlordane	SW8081A	4/11/16	04/13/16	4	41	80	ND		ug/Kg	429672	16830
Toxaphene	SW8081A	4/11/16	04/13/16	4	33	400	ND		ug/Kg	429672	16830
TCMX (S)	SW8081A	4/11/16	04/13/16	4	52.5	139	87.6		%	429672	16830
DCBP (S)	SW8081A	4/11/16	04/13/16	4	50.2	139	88.5		%	429672	16830

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A2 @ 3-9"	**Lab Sample ID:**	1604069-004A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 11:10		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	16		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/11/16	04/13/16	4	2.4	8.0	ND		ug/Kg	429672	16830
gamma-BHC	SW8081A	4/11/16	04/13/16	4	2.5	8.0	ND		ug/Kg	429672	16830
beta-BHC	SW8081A	4/11/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16830
delta-BHC	SW8081A	4/11/16	04/13/16	4	1.6	8.0	ND		ug/Kg	429672	16830
Heptachlor	SW8081A	4/11/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16830
Aldrin	SW8081A	4/11/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16830
Heptachlor epoxide	SW8081A	4/11/16	04/13/16	4	1.4	8.0	ND		ug/Kg	429672	16830
gamma-Chlordane	SW8081A	4/11/16	04/13/16	4	3.2	8.0	5.6	J	ug/Kg	429672	16830
alpha-Chlordane	SW8081A	4/11/16	04/13/16	4	3.8	8.0	8.2		ug/Kg	429672	16830
Endosulfan I	SW8081A	4/11/16	04/13/16	4	2.6	8.0	ND		ug/Kg	429672	16830
4,4'-DDE	SW8081A	4/11/16	04/13/16	4	2.0	8.0	120		ug/Kg	429672	16830
Dieldrin	SW8081A	4/11/16	04/13/16	4	2.3	8.0	13		ug/Kg	429672	16830
Endrin	SW8081A	4/11/16	04/13/16	4	3.4	8.0	ND		ug/Kg	429672	16830
4,4'-DDD	SW8081A	4/11/16	04/13/16	4	3.0	8.0	ND		ug/Kg	429672	16830
Endosulfan II	SW8081A	4/11/16	04/13/16	4	3.3	8.0	ND		ug/Kg	429672	16830
4,4'-DDT	SW8081A	4/11/16	04/13/16	4	2.7	8.0	21		ug/Kg	429672	16830
Endrin aldehyde	SW8081A	4/11/16	04/13/16	4	1.8	8.0	ND		ug/Kg	429672	16830
Endosulfan sulfate	SW8081A	4/11/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16830
Methoxychlor	SW8081A	4/11/16	04/13/16	4	2.5	20	ND		ug/Kg	429672	16830
Endrin Ketone	SW8081A	4/11/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16830
Chlordane	SW8081A	4/11/16	04/13/16	4	41	80	80		ug/Kg	429672	16830
Toxaphene	SW8081A	4/11/16	04/13/16	4	33	400	ND		ug/Kg	429672	16830
TCMX (S)	SW8081A	4/11/16	04/13/16	4	52.5	139	86.7		%	429672	16830
DCBP (S)	SW8081A	4/11/16	04/13/16	4	50.2	139	83.3		%	429672	16830

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A3 @ 3-9"	**Lab Sample ID:**	1604069-005A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 9:00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	9.0		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/11/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16830
gamma-BHC	SW8081A	4/11/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16830
beta-BHC	SW8081A	4/11/16	04/13/16	10	5.6	20	ND		ug/Kg	429672	16830
delta-BHC	SW8081A	4/11/16	04/13/16	10	4.0	20	ND		ug/Kg	429672	16830
Heptachlor	SW8081A	4/11/16	04/13/16	10	7.9	20	ND		ug/Kg	429672	16830
Aldrin	SW8081A	4/11/16	04/13/16	10	8.1	20	ND		ug/Kg	429672	16830
Heptachlor epoxide	SW8081A	4/11/16	04/13/16	10	3.6	20	ND		ug/Kg	429672	16830
gamma-Chlordane	SW8081A	4/11/16	04/13/16	10	7.9	20	9.4	J	ug/Kg	429672	16830
alpha-Chlordane	SW8081A	4/11/16	04/13/16	10	9.4	20	12	J	ug/Kg	429672	16830
Endosulfan I	SW8081A	4/11/16	04/13/16	10	6.4	20	ND		ug/Kg	429672	16830
4,4'-DDE	SW8081A	4/11/16	04/13/16	10	5.1	20	15	J	ug/Kg	429672	16830
Dieldrin	SW8081A	4/11/16	04/13/16	10	5.8	20	90		ug/Kg	429672	16830
Endrin	SW8081A	4/11/16	04/13/16	10	8.6	20	ND		ug/Kg	429672	16830
4,4'-DDD	SW8081A	4/11/16	04/13/16	10	7.6	20	ND		ug/Kg	429672	16830
Endosulfan II	SW8081A	4/11/16	04/13/16	10	8.2	20	ND		ug/Kg	429672	16830
4,4'-DDT	SW8081A	4/11/16	04/13/16	10	6.7	20	14	J	ug/Kg	429672	16830
Endrin aldehyde	SW8081A	4/11/16	04/13/16	10	4.6	20	ND		ug/Kg	429672	16830
Endosulfan sulfate	SW8081A	4/11/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16830
Methoxychlor	SW8081A	4/11/16	04/13/16	10	6.1	50	ND		ug/Kg	429672	16830
Endrin Ketone	SW8081A	4/11/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16830
Chlordane	SW8081A	4/11/16	04/13/16	10	100	200	140	J	ug/Kg	429672	16830
Toxaphene	SW8081A	4/11/16	04/13/16	10	82	1000	ND		ug/Kg	429672	16830
TCMX (S)	SW8081A	4/11/16	04/13/16	10	52.5	139	96.6		%	429672	16830
DCBP (S)	SW8081A	4/11/16	04/13/16	10	50.2	139	94.7		%	429672	16830

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A3 @ 12-18"	**Lab Sample ID:**	1604069-006A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 9:05		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	7.9		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/11/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16830
gamma-BHC	SW8081A	4/11/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16830
beta-BHC	SW8081A	4/11/16	04/13/16	10	5.6	20	ND		ug/Kg	429672	16830
delta-BHC	SW8081A	4/11/16	04/13/16	10	4.0	20	ND		ug/Kg	429672	16830
Heptachlor	SW8081A	4/11/16	04/13/16	10	7.9	20	ND		ug/Kg	429672	16830
Aldrin	SW8081A	4/11/16	04/13/16	10	8.1	20	ND		ug/Kg	429672	16830
Heptachlor epoxide	SW8081A	4/11/16	04/13/16	10	3.6	20	ND		ug/Kg	429672	16830
gamma-Chlordane	SW8081A	4/11/16	04/13/16	10	7.9	20	13	J	ug/Kg	429672	16830
alpha-Chlordane	SW8081A	4/11/16	04/13/16	10	9.4	20	16	J	ug/Kg	429672	16830
Endosulfan I	SW8081A	4/11/16	04/13/16	10	6.4	20	ND		ug/Kg	429672	16830
4,4'-DDE	SW8081A	4/11/16	04/13/16	10	5.1	20	26		ug/Kg	429672	16830
Dieldrin	SW8081A	4/11/16	04/13/16	10	5.8	20	170		ug/Kg	429672	16830
Endrin	SW8081A	4/11/16	04/13/16	10	8.6	20	ND		ug/Kg	429672	16830
4,4'-DDD	SW8081A	4/11/16	04/13/16	10	7.6	20	ND		ug/Kg	429672	16830
Endosulfan II	SW8081A	4/11/16	04/13/16	10	8.2	20	ND		ug/Kg	429672	16830
4,4'-DDT	SW8081A	4/11/16	04/13/16	10	6.7	20	20		ug/Kg	429672	16830
Endrin aldehyde	SW8081A	4/11/16	04/13/16	10	4.6	20	ND		ug/Kg	429672	16830
Endosulfan sulfate	SW8081A	4/11/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16830
Methoxychlor	SW8081A	4/11/16	04/13/16	10	6.1	50	ND		ug/Kg	429672	16830
Endrin Ketone	SW8081A	4/11/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16830
Chlordane	SW8081A	4/11/16	04/13/16	10	100	200	170	J	ug/Kg	429672	16830
Toxaphene	SW8081A	4/11/16	04/13/16	10	82	1000	ND		ug/Kg	429672	16830
TCMX (S)	SW8081A	4/11/16	04/13/16	10	52.5	139	99.7		%	429672	16830
DCBP (S)	SW8081A	4/11/16	04/13/16	10	50.2	139	96.7		%	429672	16830

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A4 @ 3-9"	**Lab Sample ID:**	1604069-008A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 9:45		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	11		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
4,4'-DDT	SW8081A	4/13/16	04/13/16	1000	670	2000	24000		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	100	79	200	850		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	100	94	200	980		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	100	51	200	1500		ug/Kg	429672	16847
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	10	5.6	20	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	10	4.0	20	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	10	7.9	20	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	10	8.1	20	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	10	3.6	20	45		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	10	6.4	20	ND		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	10	5.8	20	190		ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	10	8.6	20	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	10	7.6	20	480		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	10	8.2	20	ND		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	10	4.6	20	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	10	6.1	50	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	10	100	200	5300		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	10	82	1000	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	10	52.5	139	89.9		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	10	50.2	139	85.2		%	429672	16847

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A4 @ 12-18"	**Lab Sample ID:**	1604069-009A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 9:46		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	9.7		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
4,4'-DDE	SW8081A	4/13/16	04/13/16	10	5.1	20	360		ug/Kg	429672	16847
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	4	2.4	8.0	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	4	2.5	8.0	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	4	1.6	8.0	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	4	1.4	8.0	10		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	4	3.2	8.0	83		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	4	3.8	8.0	89		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	4	2.6	8.0	ND		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	4	2.3	8.0	29		ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	4	3.4	8.0	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	4	3.0	8.0	16		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	4	3.3	8.0	ND		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	4	1.8	8.0	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	4	2.5	20	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	4	41	80	750		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	4	33	400	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	4	52.5	139	80.6		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	4	50.2	139	74.0		%	429672	16847
NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)											
4,4'-DDT	SW8081A	4/13/16	04/13/16	50	33	100	1000		ug/Kg	429672	16847

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A5 @ 3-9"	**Lab Sample ID:**	1604069-011A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	8.9		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	4	2.4	8.0	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	4	2.5	8.0	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	4	1.6	8.0	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	4	1.4	8.0	ND		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	4	3.2	8.0	4.0	J	ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	4	3.8	8.0	ND		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	4	2.6	8.0	ND		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	4	2.0	8.0	130		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	4	2.3	8.0	13		ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	4	3.4	8.0	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	4	3.0	8.0	ND		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	4	3.3	8.0	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	4	2.7	8.0	33		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	4	1.8	8.0	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	4	2.5	20	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	4	41	80	ND		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	4	33	400	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	4	52.5	139	86.7		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	4	50.2	139	75.1		%	429672	16847

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A6 @ 3-9"	**Lab Sample ID:**	1604069-012A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:05		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	9.0		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	10	5.6	20	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	10	4.0	20	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	10	7.9	20	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	10	8.1	20	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	10	3.6	20	ND		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	10	7.9	20	7.9		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	10	9.4	20	ND		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	10	6.4	20	ND		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	10	5.1	20	45		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	10	5.8	20	27		ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	10	8.6	20	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	10	7.6	20	ND		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	10	8.2	20	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	10	6.7	20	56		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	10	4.6	20	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	10	6.1	50	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	10	100	200	ND		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	10	82	1000	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	10	52.5	139	90.3		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	10	50.2	139	86.3		%	429672	16847

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A6 @ 12-18"	**Lab Sample ID:**	1604069-013A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:10		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	8.6		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	4	2.4	8.0	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	4	2.5	8.0	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	4	1.6	8.0	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	4	1.4	8.0	ND		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	4	3.8	8.0	ND		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	4	2.6	8.0	ND		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	4	2.0	8.0	3.8	J	ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	4	2.3	8.0	3.6	J	ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	4	3.4	8.0	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	4	3.0	8.0	ND		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	4	3.3	8.0	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	4	2.7	8.0	3.8	J	ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	4	1.8	8.0	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	4	2.5	20	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	4	41	80	ND		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	4	33	400	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	4	52.5	139	88.7		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	4	50.2	139	78.5		%	429672	16847

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A7 @ 3-9"	**Lab Sample ID:**	1604069-015A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:25		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	7.9		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	4	2.4	8.0	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	4	2.5	8.0	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	4	1.6	8.0	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	4	1.4	8.0	ND		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	4	3.2	8.0	4.2	J	ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	4	3.8	8.0	3.8	J	ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	4	2.6	8.0	ND		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	4	2.0	8.0	23		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	4	2.3	8.0	7.6	J	ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	4	3.4	8.0	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	4	3.0	8.0	ND		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	4	3.3	8.0	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	4	2.7	8.0	12		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	4	1.8	8.0	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	4	2.5	20	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	4	41	80	ND		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	4	33	400	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	4	52.5	139	87.9		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	4	50.2	139	84.1		%	429672	16847

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A8 @ 3-9"	**Lab Sample ID:**	1604069-016A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:30		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	8.2		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	4	2.4	8.0	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	4	2.5	8.0	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	4	1.6	8.0	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	4	1.4	8.0	ND		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	4	3.8	8.0	ND		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	4	2.6	8.0	ND		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	4	2.0	8.0	6.6	J	ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	4	3.4	8.0	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	4	3.0	8.0	ND		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	4	3.3	8.0	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	4	2.7	8.0	4.8	J	ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	4	1.8	8.0	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	4	2.5	20	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	4	41	80	ND		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	4	33	400	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	4	52.5	139	89.3		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	4	50.2	139	79.1		%	429672	16847

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A9 @ 3-9"	**Lab Sample ID:**	1604069-017A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:35		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	8.3		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	4	2.4	8.0	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	4	2.5	8.0	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	4	1.6	8.0	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	4	1.4	8.0	ND		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	4	3.8	8.0	ND		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	4	2.6	8.0	ND		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	4	2.0	8.0	42		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	4	2.3	8.0	4.4	J	ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	4	3.4	8.0	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	4	3.0	8.0	ND		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	4	3.3	8.0	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	4	2.7	8.0	14		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	4	1.8	8.0	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	4	2.5	20	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	4	41	80	ND		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	4	33	400	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	4	52.5	139	84.7		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	4	50.2	139	80.1		%	429672	16847

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A9 @ 12-18"	**Lab Sample ID:**	1604069-018A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:40		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	9.0		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
alpha-BHC	SW8081A	4/13/16	04/13/16	1	0.61	2.0	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	1	0.61	2.0	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	1	0.56	2.0	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	1	0.40	2.0	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	1	0.79	2.0	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	1	0.81	2.0	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	1	0.36	2.0	ND		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	1	0.79	2.0	ND		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	1	0.94	2.0	ND		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	1	0.64	2.0	ND		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	1	0.51	2.0	ND		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	1	0.58	2.0	ND		ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	1	0.86	2.0	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	1	0.76	2.0	ND		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	1	0.82	2.0	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	1	0.67	2.0	ND		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	1	0.46	2.0	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	1	0.58	2.0	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	1	0.61	5.0	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	1	0.58	2.0	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	1	10	20	ND		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	1	8.2	100	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	1	52.5	139	82.4		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	1	50.2	139	70.8		%	429672	16847

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A10@ 3-9"	**Lab Sample ID:**	1604069-020A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:50		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	9.5		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	10	5.6	20	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	10	4.0	20	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	10	7.9	20	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	10	8.1	20	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	10	3.6	20	7.1	J	ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	10	7.9	20	46		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	10	9.4	20	49		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	10	6.4	20	ND		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	10	5.8	20	420		ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	10	8.6	20	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	10	7.6	20	12	J	ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	10	8.2	20	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	10	6.7	20	410		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	10	4.6	20	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	10	6.1	50	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	10	100	200	590		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	10	82	1000	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	10	52.5	139	88.4		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	10	50.2	139	77.3		%	429672	16847

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

4,4'-DDE	SW8081A	4/13/16	04/13/16	20	10	40	680		ug/Kg	429672	16847

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A10 @ 12-18"	**Lab Sample ID:**	1604069-021A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:55		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	8.4		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
alpha-BHC	SW8081A	4/13/16	04/13/16	1	0.61	2.0	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	1	0.61	2.0	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	1	0.56	2.0	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	1	0.40	2.0	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	1	0.79	2.0	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	1	0.81	2.0	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	1	0.36	2.0	ND		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	1	0.79	2.0	ND		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	1	0.94	2.0	ND		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	1	0.64	2.0	ND		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	1	0.51	2.0	11		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	1	0.58	2.0	2.5		ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	1	0.86	2.0	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	1	0.76	2.0	2.6		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	1	0.82	2.0	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	1	0.67	2.0	3.7		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	1	0.46	2.0	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	1	0.58	2.0	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	1	0.61	5.0	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	1	0.58	2.0	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	1	10	20	ND		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	1	8.2	100	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	1	52.5	139	88.6		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	1	50.2	139	72.9		%	429672	16847

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1604069	**Prep Method:**	3546_OCP	**Prep Date:**	04/11/16	**Prep Batch:**	16830
Matrix:	Soil	**Analytical Method:**	SW8081A	**Analyzed Date:**	04/12/16	**Analytical Batch:**	429655
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
alpha-BHC	0.61	2.0	ND	
gamma-BHC	0.61	2.0	ND	
beta-BHC	0.56	2.0	ND	
delta-BHC	0.40	2.0	ND	
Heptachlor	0.79	2.0	ND	
Aldrin	0.81	2.0	ND	
Heptachlor epoxide	0.36	2.0	ND	
gamma-Chlordane	0.79	2.0	ND	
alpha-Chlordane	0.94	2.0	ND	
Endosulfan I	0.64	2.0	ND	
4,4'-DDE	0.51	2.0	ND	
Dieldrin	0.58	2.0	ND	
Endrin	0.86	2.0	ND	
4,4'-DDD	0.76	2.0	ND	
Endosulfan II	0.82	2.0	ND	
4,4'-DDT	0.67	2.0	ND	
Endrin aldehyde	0.46	2.0	ND	
Endosulfan sulfate	0.58	2.0	ND	
Methoxychlor	0.61	5.0	ND	
Endrin Ketone	0.58	2.0	ND	
Chlordane	10	20	ND	
Toxaphene	8.2	100	ND	
TCMX (S)			99.7	
DCBP (S)			92.7	

Work Order:	1604069	**Prep Method:**	3050	**Prep Date:**	04/13/16	**Prep Batch:**	16845
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	04/13/16	**Analytical Batch:**	429665
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Arsenic	0.25	1.7	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1604069	**Prep Method:**	3546_OCP	**Prep Date:**	04/13/16	**Prep Batch:**	16847
Matrix:	Soil	**Analytical Method:**	SW8081A	**Analyzed Date:**	04/13/16	**Analytical Batch:**	429672
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
alpha-BHC	0.61	2.0	ND		
gamma-BHC	0.61	2.0	ND		
beta-BHC	0.56	2.0	ND		
delta-BHC	0.40	2.0	ND		
Heptachlor	0.79	2.0	ND		
Aldrin	0.81	2.0	ND		
Heptachlor epoxide	0.36	2.0	ND		
gamma-Chlordane	0.79	2.0	ND		
alpha-Chlordane	0.94	2.0	ND		
Endosulfan I	0.64	2.0	ND		
4,4'-DDE	0.51	2.0	ND		
Dieldrin	0.58	2.0	ND		
Endrin	0.86	2.0	ND		
4,4'-DDD	0.76	2.0	ND		
Endosulfan II	0.82	2.0	ND		
4,4'-DDT	0.67	2.0	ND		
Endrin aldehyde	0.46	2.0	ND		
Endosulfan sulfate	0.58	2.0	ND		
Methoxychlor	0.61	5.0	ND		
Endrin Ketone	0.58	2.0	ND		
Chlordane	10	20	ND		
Toxaphene	8.2	100	ND		
TCMX (S)			98.7		
DCBP (S)			90.7		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1604069	**Prep Method:**	3546_OCP	**Prep Date:**	04/11/16	**Prep Batch:**	16830
Matrix:	Soil	**Analytical Method:**	SW8081A	**Analyzed Date:**	04/12/16	**Analytical Batch:**	429655
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	0.61	2.0	ND	40	99.0	107	7.62	56.9 - 120	30	
Heptachlor	0.79	2.0	ND	40	106	107	0.789	63.6 - 117	30	
Aldrin	0.81	2.0	ND	40	95.8	103	7.64	53 - 123	30	
Dieldrin	0.58	2.0	ND	40	99.4	105	5.61	44 - 130	30	
Endrin	0.86	2.0	ND	40	103	108	4.28	44.1 - 121	30	
4,4'-DDT	0.67	2.0	ND	40	105	113	7.41	52.8 - 134	30	
TCMX (S)			ND	100	95.5	102		52.5 - 139		
DCBP (S)			ND	100	92.8	101		50.2 - 139		

Work Order:	1604069	**Prep Method:**	3050	**Prep Date:**	04/13/16	**Prep Batch:**	16845
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	04/13/16	**Analytical Batch:**	429665
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	0.25	1.7	ND	50	97.6	99.6	2.01	71 - 121	30	

Work Order:	1604069	**Prep Method:**	3546_OCP	**Prep Date:**	04/13/16	**Prep Batch:**	16847
Matrix:	Soil	**Analytical Method:**	SW8081A	**Analyzed Date:**	04/13/16	**Analytical Batch:**	429672
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	0.61	2.0	ND	40	100	99.3	0.698	56.9 - 120	30	
Heptachlor	0.79	2.0	ND	40	100	98.1	2.35	63.6 - 117	30	
Aldrin	0.81	2.0	ND	40	97.4	96.9	0.587	53 - 123	30	
Dieldrin	0.58	2.0	ND	40	98.2	98.4	0.167	44 - 130	30	
Endrin	0.86	2.0	ND	40	98.9	99.1	0.195	44.1 - 121	30	
4,4'-DDT	0.67	2.0	ND	40	103	105	1.45	52.8 - 134	30	
TCMX (S)			ND	100	96.3	95.6		52.5 - 139		
DCBP (S)			ND	100	90.9	90.5		50.2 - 139		

Torrent LABORATORY, INC.

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1604069	**Prep Method:**	3050	**Prep Date:**	04/13/16	**Prep Batch:**	16845
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	04/13/16	**Analytical Batch:**	429665
Spiked Sample:	1604069-001A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Arsenic	0.25	1.7	0.18	50	95.8	94.5	1.32	71 - 121	30	

Work Order:	1604069	**Prep Method:**	3546_OCP	**Prep Date:**	04/13/16	**Prep Batch:**	16847
Matrix:	**Soil**	**Analytical Method:**	SW8081A	**Analyzed Date:**	04/13/16	**Analytical Batch:**	429672
Spiked Sample:	1604069-021A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Aldrin	0.81	2.0	0	40	87.5	86.4	1.17	53 - 123	30	
gamma-BHC	0.61	2.0	0	40	85.4	85.0	0.374	56.9 - 120	30	
Heptachlor	0.79	2.0	0	40	88.1	85.2	3.32	63.6 - 117	30	
Dieldrin	0.58	2.0	2.4658	40	88.3	85.8	2.65	44 - 130	30	
Endrin	0.86	2.0	0	40	84.5	82.8	2.14	44.1 - 121	30	
4,4'-DDT	0.67	2.0	3.7332	40	84.3	83.8	0.484	52.8 - 134	30	
TCMX (S)				100	91.9	88.8		52.5 - 139	,"	
DCBP (S)				100	87.8	81.2		50.2 - 139	,"	

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 (PQL) - 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 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 anlayte 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
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Project Name: Jamison Way

Work Order No.: 1604069

Date and Time Received: 4/11/2016 16:07

Received By: ldi

Physically Logged By: ldi

Checklist Completed By: ldi

Carrier Name: FedEx

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	3	°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

Torrent LABORATORY, INC.

Login Summary Report

Client ID: TL5123 Engeo (San Ramon)
Project Name: Jamison Way
Project # : 12854.000.000
Report Due Date: 4/14/2016

QC Level:
TAT Requested: 3 day:25
Date Received: 4/11/2016
Time Received: 16:07

Comments:

Work Order # : ***1604069***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1604069-001A	A1 @ 3-9"	04/11/16 8:45	Soil	10/08/16			S_6010BAs/Pb Homogenize S_8081AOCP	
Sample Note:	Arsenic & OCPs							
1604069-002A	A1 @ 12-18"	04/11/16 8:50	Soil	10/08/16			S_6010BAs/Pb S_8081AOCP Homogenize	
1604069-003A	A1 @ 18-24"	04/11/16 8:55	Soil	10/08/16			Hold Samples	
1604069-004A	A2 @ 3-9"	04/11/16 11:10	Soil	10/08/16			S_6010BAs/Pb Homogenize S_8081AOCP	
1604069-005A	A3 @ 3-9"	04/11/16 9:00	Soil	10/08/16			S_6010BAs/Pb S_8081AOCP Homogenize	
1604069-006A	A3 @ 12-18"	04/11/16 9:05	Soil	10/08/16			S_6010BAs/Pb Homogenize S_8081AOCP	
1604069-007A	A3 @ 18-24"	04/11/16 9:10	Soil	10/08/16			Hold Samples	
1604069-008A	A4 @ 3-9"	04/11/16 9:45	Soil	10/08/16			S_6010BAs/Pb Homogenize S_8081AOCP	
1604069-009A	A4 @ 12-18"	04/11/16 9:46	Soil	10/08/16			S_6010BAs/Pb Homogenize S_8081AOCP	
1604069-010A	A4 @ 18-24"	04/11/16 9:47	Soil	10/08/16			Hold Samples	
1604069-011A	A5 @ 3-9"	04/11/16 10:00	Soil	10/08/16				

Torrent LABORATORY, INC.

Login Summary Report

Client ID: TL5123 Engeo (San Ramon)
Project Name: Jamison Way
Project # : 12854.000.000
Report Due Date: 4/14/2016

QC Level:
TAT Requested: 3 day:25
Date Received: 4/11/2016
Time Received: 16:07

Comments:

Work Order # : ***1604069***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1604069-012A	A6 @ 3-9"	04/11/16 10:05	Soil	10/08/16			S_6010BAs/Pb S_8081AOCP Homogenize	
1604069-013A	A6 @ 12-18"	04/11/16 10:10	Soil	10/08/16			S_6010BAs/Pb S_8081AOCP Homogenize	
1604069-014A	A6 @ 18-24"	04/11/16 10:15	Soil	10/08/16			S_6010BAs/Pb S_8081AOCP Homogenize	
1604069-015A	A7 @ 3-9"	04/11/16 10:25	Soil	10/08/16			Hold Samples	
1604069-016A	A8 @ 3-9"	04/11/16 10:30	Soil	10/08/16			S_6010BAs/Pb S_8081AOCP Homogenize	
1604069-017A	A9 @ 3-9"	04/11/16 10:35	Soil	10/08/16			S_6010BAs/Pb S_8081AOCP Homogenize	
1604069-018A	A9 @ 12-18"	04/11/16 10:40	Soil	10/08/16			S_6010BAs/Pb S_8081AOCP Homogenize	
1604069-019A	A9 @ 18-24"	04/11/16 10:45	Soil	10/08/16			Hold Samples	
1604069-020A	A10@ 3-9"	04/11/16 10:50	Soil	10/08/16			S_6010BAs/Pb Homogenize S_8081AOCP	
1604069-021A	A10 @ 12-18"	04/11/16 10:55	Soil	10/08/16			S_6010BAs/Pb	

Login Summary Report

Client ID:	TL5123	Engeo (San Ramon)	**QC Level:**	
Project Name:	Jamison Way		**TAT Requested:**	3 day:25
Project # :	12854.000.000		**Date Received:**	4/11/2016
Report Due Date:	4/14/2016		**Time Received:**	16:07

Comments:

Work Order # : ***1604069***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1604069-022A	A10 @ 18-24"	04/11/16 11:00	Soil	10/08/16			S_8081AOCP Homogenize Hold Samples	

Torrent LABORATORY, INC.

CHAIN OF CUSTODY RECORD

16 04069

PROJECT NUMBER 12854.000.000 | PROJECT NAME Jamison Way

SAMPLED BY: (SIGNATURE/PRINT) Kelsey Gerhart, Hilary Mann

PROJECT MANAGER: (SIGNATURE/PRINT)

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

SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	Pesticides (8081)	Arsenic (6010)									REMARKS REQUIRED DETECTION LIMITS
A1 @3-9"	4/11/2016	8:45	Soil	1	Jar	.	x	x				-001A					Homogenize
A1@12-18"	4/11/2016	8:50	Soil	1	Jar	.	x	x				-002A					
A1@18"-24"	4/11/2016	8:55	Soil	1	Jar	.						-003A					HOLD
A2@3-9"	4/11/2016	11:10	Soil	1	Jar	.	x	x				-004A					
A3@3-9"	4/11/2016	9:00	Soil	1	Jar	.	x	x				-005A					
A3@12-18"	4/11/2016	9:05	Soil	1	Jar	.	x	x				-006A					
A3@18-24"	4/11/2016	9:10	Soil	1	Jar	.						-007A					HOLD
A4@3-9"	4/11/2016	9:45	Soil	1	Jar	.	x	x				-008A					
A4@12-18"	4/11/2016	9:46	Soil	1	Jar	.	x	x				-009A					
A4@18-24"	4/11/2016	9:47	Soil	1	Jar	.						-010A					HOLD
A5@3-9"	4/11/2016	10:00	Soil	1	Jar	.	x	x				-011A					
A6@3-9"	4/11/2016	10:05	Soil	1	Jar	.	x	x				-012A					
A6@12-18"	4/11/2016	10:10	Soil	1	Jar		x	x				-013A					
A6@18-24"	4/11/2016	10:15	Soil	1	Jar							-014A					HOLD
A7@3-9"	4/11/2016	10:25	Soil	1	Jar		x	x				-015A					
A8@3-9"	4/11/2016	10:30	Soil	1	Jar		x	x				-016A					
A9@3-9"	4/11/2016	10:35	Soil	1	Jar		x	x				-017A					
A9@12-18"	4/11/2016	10:40	Soil	1	Jar		x	x				-018A					
A9@18-24"	4/11/2016	10:45:00	Soil	1	Jar							-019A					HOLD

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
Kelsey Gerhart	4/11/16 13:00			
Jackie Schuyler	4/11/16 3:28			
	4/11/16 4:07	RECEIVED FOR LABORATORY B		

REMARKS
- Please Hold Paper Samples (18-24")
- Please Homogenize all analyzed Samples

Temp 3°C

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT; COPY TO PROJECT FIELD FILES

Rec'd 4-11-16 16:07

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

Torrent LABORATORY, INC.

1604069
1604068 4/11/16

CHAIN OF CUSTODY RECORD

PROJECT NUMBER 12854.000.000 | PROJECT NAME Jamison Way

SAMPLED BY: (SIGNATURE/PRINT) Kelsey Gerhart, Hilary Mann

PROJECT MANAGER: (SIGNATURE/PRINT)

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

SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	Pesticides (8081)	Arsenic (6010)										REMARKS REQUIRED DETECTION LIMITS
A10 @3-9"	4/11/2016	10:50	Soil	1	Jar	-	x	x			001A			-020				Homogenize
A10 @12-18"	4/11/2016	10:55	Soil	1	Jar	-	x	x			002A			-021				
A10 @18"-24"	4/11/2016	11:00	Soil	1	Jar	-					003A			-022				HOLD

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
Kelsey Gerhart	4/11/16 13:00			
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
Jackie Schuyler	4/11/16 3:28			
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY:	REMARKS	
	4/11/16 4:07		• Please Hold Deeper Samples (18-24") • Please Homogenize all analytes	

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT; COPY TO PROJECT FIELD FILES

ENGEO INCORPORATED

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

Rec'd by i.D. Imboat 4/11/16 16:07 Samples Temp 3°C

APPENDIX G

APPENDIX G

Environmental Site Assessment Questionnaire

Project Name: Jamison Way

Project No. P2016.000.210

■ 2010 Crow Canyon Place ▪ Suite 250 ▪ San Ramon, CA 94583	(925) 866-9000 ▪ Fax (888) 279-2698
☐ 2213 Plaza Drive ▪ Rocklin, CA 95765	(916) 786-8883 ▪ Fax (888) 279-2698
☐ 332 Pine Street ▪ Suite 300 ▪ San Francisco, CA 94104	(415) 284-9900 ▪ Fax (888) 279-2698
☐ 6399 San Ignacio Avenue ▪ Suite 150 ▪ San Jose, CA 95119	(408) 574-4900 ▪ Fax (888) 279-2698
☐ 580 N. Wilma Avenue▪ Suite A ▪ Ripon, CA 95366	(209) 835-0610 ▪ Fax (888) 279-2698
☐ 17675 Sierra Highway ▪ Santa Clarita, CA 91351	(661) 257-4004 ▪ Fax (888) 279-2698
☐ 6 Morgan ▪ Suite 162 ▪ Irvine, CA 92618	(949) 529-3479 ▪ Fax (888) 279-2698

ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE FOR "KEY SITE MANAGER"

To evaluate the potential for possible environmentally related impacts and site contamination the following information is requested. This questionnaire is to be preferably completed by the current property owner, or owner representative, leasing agent, or other person having good knowledge of the uses and physical characteristics of the property (Key Site Manager).

PART I

1. Property Address/Location and Assessor's Parcel Number (APN):

   3530, 3544, 3546, 3548, 3528 Jamison Way, Castro Valley, in the County of Alameda, California. The Assessor's Parcel Numbers (APNs) for the Real Property are: 84A-76-23, 84A-76-20-1, 84A-76-21-4, 84A-76-21-6, 84A-76-22

2. Current property owner (name, address, voice/fax number):

   Mr. Dan E. Briggs, Trustee
   Briggs Family Trust
   3544 Jamison Way

3. Date current property owner assumed title of property:
   1974

4. Current property development/improvements:

   Single Family Residential

5. Past property use, development/improvements:
   No knowledge of previous use, no new development during ownership.

6. Neighboring property uses:

   Residential - West
   Multi-family Residential - East
   Commercial - South
   Multi-family Residential - North

PART II - The following questions should be answered to the best of your knowledge.

		Yes	No
1.	Is/has the *property* or any adjoining property used/been used for industrial purposes?	☐	☑
2.	Has the *property* or any adjoining property been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	☐	☑
3.	Are there currently, or have there been previously, any damaged or discarded automotive or industrial batteries, or pesticides, paints, or other chemicals in individual containers of greater than 5 gal in volume or 50 gal in the aggregate, stored on or used at the *property* or at the facility?	☐	☑
4.	Has undocumented soil been brought onto the property at any time? If yes, estimated quantity is _____ cubic yards.	☐	☑
5.	Has soil been brought onto the property that originated from a contaminated site or that is of an unknown origin?	☐	☑
6.	Are there currently, or have there been previously, any pits, ponds, or lagoons located on the *property* in connection with waste treatment or waste disposal?	☐	☑
7.	Is there currently, or has there been previously, any stained soil on the *property*?	☐	☑
8.	Are there currently, or have there been previously, any registered or unregistered storage tanks (above or underground) located on the *property*?	☐	☑
9.	Are there currently, or have there been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the *property* or adjacent to any structure located on the *property*?	☐	☑
10.	Are there currently, or have there been previously, any flooring, drains, or walls located within the facility that are stained by substances other than water or are emitting foul odors?	☐	☑
11.	Are there any domestic, irrigation or monitoring wells on the property?	☑	☐
12.	If the *property* is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environmental/health agency?	☐	☑
13.	Have you been informed of the past or current existence of *hazardous substances* or *petroleum products* or environmental violations with respect to the *property* or any facility located on the *property*?	☐	☑
14.	Have there been any *environmental site assessments* of the *property* or facility that indicated the presence of *hazardous substances* or *petroleum products* on, or contamination of, the *property* or recommended further assessment of the *property*?	☐	☑
15.	Have there been any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any *hazardous substance* or *petroleum products* involving the *property*?	☐	☑
16.	Has there been any past agricultural use of the *property*, such as orchards or seed crop cultivation?	☐	☑
17.	Have any *hazardous substances* or *petroleum products*, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the *property*?	☐	☑
18.	Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?	☐	☑

If a "Yes" response was provided to any of the above questions, please provide details below:

Water well in the back yard of 3528 Jamison Way.

I certify that the information herein is true and correct to the best of my knowledge as of the date signed below.

Name (Printed/Typed): Dan Briggs Trustee for Briggs Family Trust

Signature: Dan Briggs Date: 3/5/2016

APPENDIX H

Qualifications of Environmental Professional

APPENDIX H

BRIAN FLAHERTY, CEG, CHG, REA I
PRINCIPAL GEOLOGIST

EDUCATION

BS, Geology, University of Massachusetts, Amherst, 1975

MS, Geology, California State University, Hayward, 1988

EXPERIENCE

Years with ENGEO: 32
Years with Other Firms: 3

REGISTRATIONS & CERTIFICATIONS

Certified Engineering Geologist, CA, 1256
Certified Hydrogeologist, CA, 460
Registered Environmental Assessor, CA, 923
Professional Geologist, CA, 4030

SPECIALIZATIONS

- Environmental Assessments and Remediation
- Geologic Hazard Evaluation
- Hillside Grading
- Landslide Investigations and Repairs
- Water Wells/Hydrogeology

AFFILIATIONS

OBA - Oakland Builders Alliance

San Francisco Housing Action Coalition

SPUR

Mr. Flaherty has more than 30 years of diverse experience in the fields of engineering geology, geologic hazard evaluation and mitigation, and hydrogeology. During that time he has also managed and completed numerous soil and ground water characterization studies, environmental assessments, and the design and implementation of soil and ground water remediation systems. During his professional career he has worked on small to large residential developments, commercial developments, industrial business parks, military base re-use projects, water storage facilities, transportation projects and educational facilities throughout California.

Mr. Flaherty's geologic project experience includes geotechnical, geologic and earthquake hazard evaluation for projects throughout the San Francisco Bay Area. His work as a geologist has included landslide hazard mapping and assessment, slope stability evaluation, structural and rock mechanic analysis of bedrock slopes, earthquake fault hazard explorations, and preparation of Geologic Hazard Abatement District (GHAD) plans of control and monitoring.

Select Project Experience

Phelan Loop Development—San Francisco, CA
Project Manager. Mr. Flaherty provided project management and principal review for during preparation of a phase I and phase II environmental site assessment for the Phelan Loop project site is located at the site of a MUNI bus turnaround, near the intersection of Phelan Avenue and Ocean Avenue, in San Francisco, California. The Phelan Loop project site is located at the site of a MUNI bus turnaround, near the intersection of Phelan Avenue and Ocean Avenue, in San Francisco, California. The proposed housing development will create approximately 60 units of supportive housing for low-income families and transitional aged youth (TAY).

11th Street Four Story Mixed Use Development—San Francisco, CA
Project Manager. Mr. Flaherty's duties included phase one and two environmental assessment, development and implementation of a geotechnical exploration using both conventional auger drilling and cone penetration testing. ENGEO is the geotechnical and environmental consultant for a proposed multi-use building at 340-350 11th Street. T his 4-

level wood-framed residential development will include 16 townhouse units with 2-level townhouses above 2-level townhouses. The structure will be set on a concrete podium containing ground floor commercial space above one level of underground parking. Geotechnical constraints included a high water table, liquefiable soil, building constraints and environmental soil and groundwater contamination.

Docktown Marina—Redwood City, CA
Project Manager. Mr. Flaherty managed the phase II environmental assessment to identify possible recognized environmental conditions associated with past property use as a vehicle and boat maintenance areas and as a former tannery facility. The Docktown Marina study involved two land use plans under consideration; four-story over two-story podium structures located around the perimeter of the site or two four-story residential buildings wrapped around two four-story parking structures.

1150 Ocean Avenue—San Francisco, CA
Project Manager. Mr. Flaherty prepared the geotechnical exploration and a phase II environmental site assessment for this mixed use project. Site concerns include possible soil and groundwater contamination from hydraulic lifts and the impact of a high groundwater table on the planned underground parking structure. A four-level wood-framed mixed-use residential development is planned with about 150 apartment units. The structure will be set on a concrete podium with about 30,000 square feet of retail commercial space above one level of underground parking.

Terminal One, Brickyard Cove—Richmond, CA
Principal in Charge. Mr. Flaherty provided expert environmental review of the Remedial Investigation Report and the Feasibility Study including consultation with the Regional Water Control Board (RWQCB). The purpose was to evaluate the findings and recommendations of an environmental consultant's reports to determine if the property could be developed for a multi family residential use. The Terminal One property includes approximately 12 acres of Bay margin land south of Brickyard Cove Road in Point Richmond, California. The site was previously used by both public and private entities primarily for the processing, transferring, and storage of bulk liquids.

The current project development concept included a high-density residential constructions with a large, central multi-unit "podium structure" and approximately 5 smaller multi-unit podium structures totaling approximately 272 housing units.

Redwood Road, Chevron—Oakland, CA
Project Manager. Mr. Flaherty reviewed the site history and prepared a work plan for regulatory agency approval to characterize reported soil contamination beneath a former fueling station ENGEO provided environmental services to remove the former LUST designated facility from the county's list of contaminated properties

Marina District Various PG&E Sites—San Francisco, CA
Project Manager. Mr. Flaherty managed the compilation and review of historic maps and air photographs, consultants reports, and archival records to help establish the histroy of development and filling in the Marina District of San Francisco. Efforts included the

development of a fill sequence timeline in the neighborhood and a graphic video showing three dimensional views of the various sequences of fill. ENGEO undertook an extensive review of public and private documents and photographs to develop a timeline for the placement of fill in the Marina District of San Francisco

Monarch Village - Senior Housing—Daly City, CA
Project Manager. Mr. Flaherty led the geotechnical and environmental review of the site conditions during the project design phase actively working with the owner and contractor. He also oversaw the site grading providing guidance for the characterization and disposal of contaminated soils Attached senior housing complex with construction of a three-story building over two levels of garage, two retail buildings, and related landscape and hardscape improvements with on-grade paved parking.

Tidewater Avenue—San Francisco, CA
Project Manager. Mr. Flaherty provided geotechnical and environmental consultation services to a group of industrial property owners located within the boundaries of the City of Oakland's Central Estuary Plan area. Mr. Flaherty has reviewed geotechnical engineering reports, geohazards (liquefaction analysis) reports and phase I and II environmental site assessment reports for the various property owners. He has provided input to the owners with regard to the various redevelopment plans considered by the City of Oakland and responded to requests by the owners to clarify City directives and requests made to the owners regarding access and use of their parcels by City of Oakland environmental consultants. ENGEO provided as-needed geotechnical and environmental consultation services to a group of industrial property owners located within the City of Oakland's Central Estuary Plan area.

Ashby Arts Mixed Use Development—Berkeley, CA
Project Manager. Mr. Flaherty managed and completed the project geotechnical exploration and provided environmental consultation to the design team. The Ashby Arts development consists of a five-story mixed-used podium structure. The ground level will contain retail and parking spaces while the 2nd to 5th floors will be 1-to-2 bedroom residential units along with common areas for the residents' use.

Hunters Point Shipyard Redevelopment, 'Parcel A'—San Francisco, CA
Principal Geologist. Mr. Flaherty was Principal in Charge for the geotechnical, geologic, and hydrologic design for the development of Parcel A at the Hunters Point Shipyard. He managed the production of the project geotechnical exploration report and the analysis and development of the project corrective grading plans and storm water management plan. He managed the mapping of the project bedrock and the implementation of a bedrock screening and sampling program to test for naturally-occurring asbestos in the site bedrock. The 70-acre project includes 1,800 residential units, approximately 25 acres of parks and open space, limited retail, and supporting infrastructure and roadways. Site preparation included construction of terraced soil nail walls and mechanically stabilized earth walls, geotechnical remediation of 13 landslides totaling over 500,000 cubic yards of soil, and project grading totaling nearly 1.5 million cubic yards.

Project No.
12854.000.000

April 29, 2016

Mr. Todd Deutscher
Catalyst Development Partners
18 Crow Canyon Court, Suite 190
San Ramon, CA 94583

Subject: Jamison Way Parcels
Castro Valley, California

AGRICULTURAL CHEMICAL IMPACT ASSESSMENT

Reference: ENGEO, Phase I Environmental Site Assessment, Jamison Way Parcels, Castro Valley, California, Project No. 12854.000.000, March 18, 2016 (DRAFT).

Dear Mr. Deutscher:

We are pleased to submit this document summarizing recent soil sampling at the above-referenced property (Property) located in Castro Valley, California. This assessment was performed based on a recommendation in our referenced phase I environmental assessment. Since the Property was historically used for agricultural cultivation, an agrichemical assessment was conducted to evaluate the potential for residual concentrations of organochlorine pesticides and arsenical herbicides.

BACKGROUND

The Property is located on Jamison Way between Santa Maria Avenue and Redwood Road in Castro Valley, California (Figure 1). The approximately 2-acre Property is identified by the Assessor's Parcel Numbers (APN) listed below.

TABLE 1
Assessor's Parcel Number Summary

Address	APN
3544 Jamison Way, Castro Valley, CA 94546	84A-76-20-1
3546 Jamison Way, Castro Valley, CA 94546	84A-76-21-4
3548/3550 Jamison Way, Castro Valley, CA 94546	84A-76-21-6
3528 B Jamison Way, Castro Valley, CA 94546	84A-76-22
3530/3532/3534 Jamison Way, Castro Valley, CA 94546	84A-76-23

It appears that the Property was historically used as an orchard from at least the 1930s to the 1940s. Pesticides or other agricultural chemicals might have been applied to the Property at that time. While subsequent construction activity likely resulted in the disturbance, movement, dilution, and/or removal of possible pesticide-impacted soil on the Property, agricultural chemicals may remain in surface or near-surface soil.

SOIL SAMPLING

Initial fieldwork was conducted on March 25, 2016. Shallow soil samples were collected from four locations across the Property. Samples were recovered with hand sampling equipment. Specific soil samples were recovered for laboratory analysis by collecting soil from the respective desired sampling depths in each location. One sample was recovered from each boring at an approximate depth of 3 to 9 inches below the ground surface. The sample locations are depicted in Figure 2.

The samples were labeled to indicate a unique sample number, sample location, time and date collected, and the sampler's identification. Samples were preserved in a chilled cooler and transported to TestAmerica Laboratories, Inc., in Pleasanton, California under documented chain-of-custody.

The samples were analyzed for organochlorine pesticides (EPA Method 8081) and total arsenic (EPA 6020). Three of the four samples exhibited elevated concentrations of arsenic and/or several organochlorine pesticide analytes, including DDT, DDE, dieldrin, and chlordane.

Based on the initial results, additional sampling was performed on April 11, 2016. A total of 22 samples were collected from 10 locations at the following depths: 10 samples from 3 to 9 inches below the ground surface, 6 samples from 12 to 18 inches below the ground surface, and 6 samples from 18 to 24 inches below the ground surfaces. The samples were labeled to indicate a unique sample number, sample location, time and date collected, and the sampler's identification. Samples were preserved in a chilled cooler and transported to Torrent Laboratory, Inc., in Milpitas, California under documented chain-of-custody. The samples were analyzed for organochlorine pesticides (EPA Method 8081) and total arsenic (EPA 6010). The samples collected from 18 to 24 inches below the ground surface were held and not analyzed pending results of shallower samples.

SAMPLING RESULTS

As mentioned, three of the four initial samples (Samples S-1, S-3, and S-4) exhibited elevated concentrations of arsenic and/or several organochlorine pesticide analytes, including DDT, DDE, dieldrin, and chlordane. Samples collected from locations A3, A4, and A10 also exhibited elevated concentrations of DDT, DDE, dieldrin, and chlordane. Samples at A3 and A4 confirm impact to a depth of 18 inches. These concentrations exceed the current residential Regional Screening Level (RSL) established by the United States Environmental Protection Agency Region IX, and in some cases exceed respective Total Threshold Limit Concentrations (TTLC), which results in a Class I California Hazardous Waste designation. A summary table of the

results is presented in Table A, and the laboratory results are presented in their entirety in Appendix A.

IMPACTED VOLUME ESTIMATE

Based on the results of the agrichemical assessment, the extent of pesticide-impacted material encompasses three hotspots measuring a cumulative area of 55,000 square feet. Assuming an impacted soil thickness of 24 inches in the identified locations, approximately 2,000 cubic yards of impacted in-situ soil is present. The estimated quantity of California Hazardous Waste soil is approximately 1,000 cubic yards. The remainder of the volume (1,000 cubic yards) could be handled as Class II non-hazardous soil.

Please note this volume estimate is preliminary in nature, is based on the data presented, and represents only a general approximation of the extent of in-situ impacted soil. The soil volume would be expected to significantly dilate upon removal from the subsurface, resulting in a greater volume of soil subject to mitigation or remediation. Additionally, we recommend applying a contingency factor to account for this dilation as well as to account for existing soil that is present under structures and hardscape areas. These materials may be impacted but could not be assessed at this time.

REMEDIATION

Excavation and Offsite Disposal of Impacted Soil

Soil from impacted areas can be excavated and transported to an appropriate Class I hazardous waste facility and Class II non-hazardous waste facility as appropriate for disposal. Assuming an impacted volume of 2,000 cubic yards, a transport and disposal cost of $40 per ton for Class II non-hazardous waste, a transport and disposal cost of $120 per ton for Class I hazardous waste, a unit weight of approximately 1.5 tons per cubic yard of excavated soil, and a contingency of 40 percent, we estimate an associated cost of about $350,000 for transport and disposal. Based on our discussions with you regarding additional anticipated fees and costs, this sum may be extended to approximately $445,000. This estimate does not include the costs associated with importing clean backfill material for the excavation areas; we recommend that a cost of approximately $25,000 be included for an import program.

REGULATORY OVERSIGHT CONSIDERATIONS

Given the extent and the degree of impact, it is possible that a self-directed remediation program is feasible for the Property. If remediation were performed in a self-directed manner, neither regulatory agency oversight nor approval of a remedial plan or remediation activity would be requested. We would recommend the preparation of a Removal Action Workplan (RAW) following typical CAL-EPA protocols. Following report preparation of the report and subsequent remedial activity, we would prepare a Removal Action Completion Report (RACR). A self-directed remediation program would be expected to take approximately 2 months. Please

note this is a preliminary estimate; a remediation contractor may be engaged to provide a more detailed estimate.

In the event that regulatory agency oversight is desired or required to facilitate necessary development approvals or permits, it is likely the remedial work may be performed under the oversight of the Department of Toxic Substances Control. Regulatory oversight would be assigned as part of a joint review process between DTSC and the Regional Water Quality Control Board (RWQCB) under an existing Memorandum of Understanding (MOU).

Assuming the likely assumption of oversight jurisdiction by DTSC, the applicant would enter into a Voluntary Cleanup Agreement (VCA) with DTSC. The VCA would provide for oversight activity by DTSC with financial reimbursement for their oversight. Following a scoping meeting with DTSC, we would prepare a RAW for their review and approval. Again, following completion of remedial activity, we would provide a RACR for their review and approval. DTSC would also likely choose to review testing of import material following remediation. If DTSC oversight of remedial activity were necessary or requested, we would anticipate that the remediation program would take an additional 4 to 6 months until case closure is granted, as compared to pursuing a self-directed remediation program.

If you have any questions regarding this report, please do not hesitate to contact us.

Sincerely,

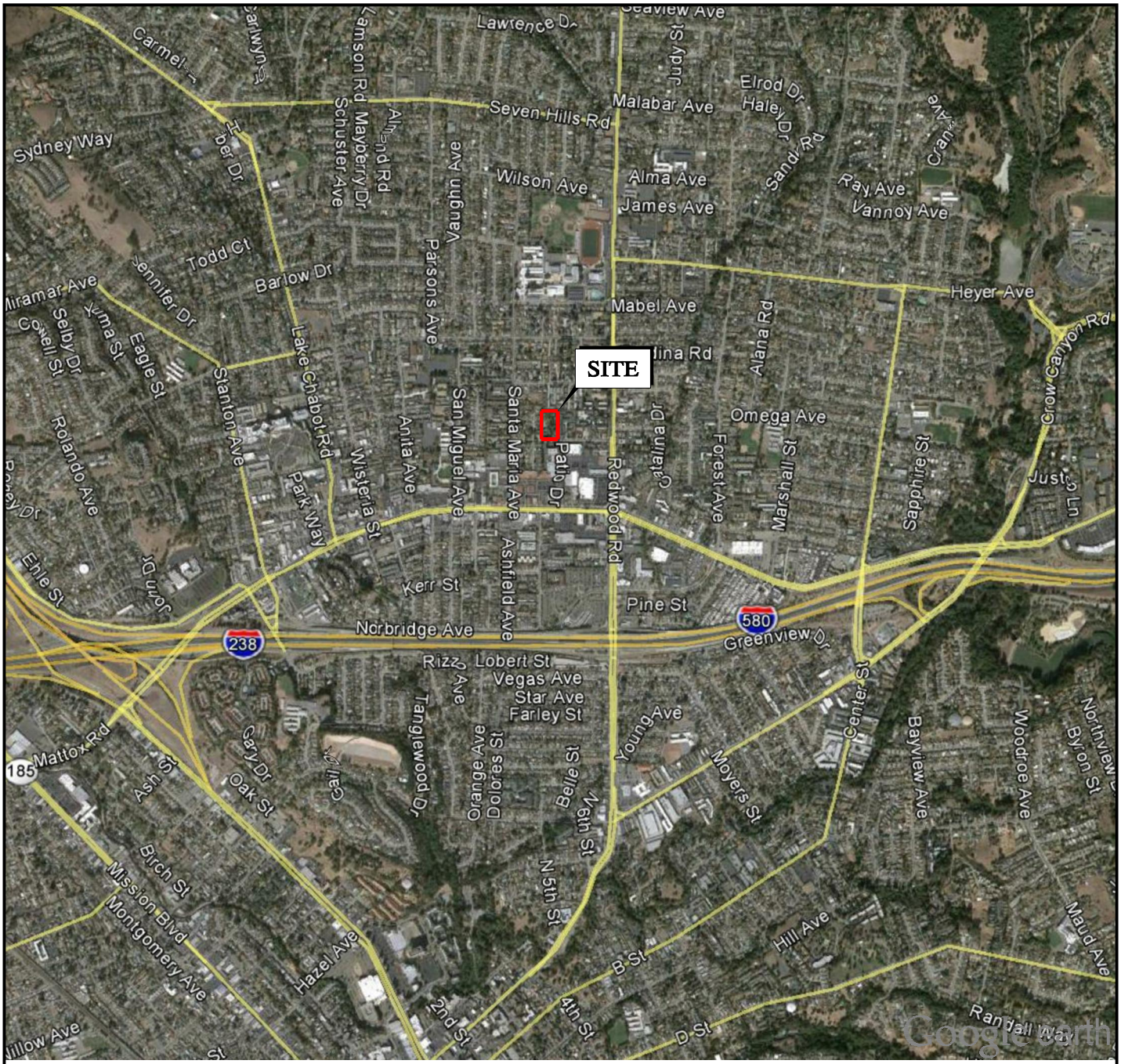
ENGEO Incorporated

Kelsey Gerhart

Jeffrey A. Adams, PhD, PE

Shawn Munger
kg/jaa/sm/jf

Attachments: Figure 1 - Vicinity Map
Figure 2 – Sampling Plan
Table A – Summary of Discrete Soil Analytical Results
Appendix A - Laboratory Analysis Reports



0 FEET 2000

0 METERS 1000

BASE MAP SOURCE: GOOGLE EARTH MAPPING SERVICE

ENGEO Expect Excellence

VICINITY MAP

JAMISON WAY PARCELS

CASTRO VALLEY, CALIFORNIA

PROJECT NO.: 12854.000.000		FIGURE NO. 1
SCALE: AS SHOWN		
DRAWN BY: LL	CHECKED BY: JAA	

G:\Drafting\DRAFTING2_Dwg_10000 to 12999\12854\000\GEX 041816\12854000000-GEX-1-VICMAP-0416.dwg Plot Date: 4-18-16 llee

ORIGINAL FIGURE PRINTED IN COLOR

N

0 FEET 60

0 METERS 30

EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- SOIL INVESTIGATION (ENGEO, APRIL 2016)
- PRELIMINARY SOIL INVESTIGATION (ENGEO, MARCH 2016)

BASE MAP SOURCE: GOOGLE EARTH MAPPING SERVICE

ENGEO Expect Excellence

SAMPLING PLAN

JAMISON WAY PARCELS

CASTRO VALLEY, CALIFORNIA

PROJECT NO.:	12854.000.000
SCALE:	AS SHOWN
DRAWN BY: LL	CHECKED BY: JAA

FIGURE NO. 2

G:\Drafting\DRAFTING2_Dwg_10000 to 12999\12854\000\GEX 041816\12854000000-GEX-2-AerialMap-0416.dwg Plot Date: 4-20-16 llee

ORIGINAL FIGURE PRINTED IN COLOR

TABLE A

SUMMARY OF DISCRETE SOIL ANALYTICAL RESULTS

SAMPLE ID	DATE	Type of sample	Metals				OCPs							
			Arsenic	alpha-Chlordane	gamma-Chlordane	Heptachlor epoxide	Chlordane	delta-BHC	gamma-BHC (Lindane)	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dieldrin	Other OCPs
			mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Screening Level[1]			**0.68**	**--**	**--**	**70**	**430[2]**	**--**	**--**	**2,300**	**2,000**	**1,900**	**34**	**N/A**
S1	3/25/2016	Discrete	9.3	4.8	2.9	ND	ND	ND	ND	ND	6.3	13	93	ND
S2	3/25/2016	Discrete	10	3.7	ND	ND	ND	ND	ND	ND	77	38	16	ND
S3	3/25/2016	Discrete	35	170	180	13	1200	ND	4.2	27	130	360	420	ND
S4	3/25/2016	Discrete	33	1100	820	ND	5500	ND	ND	520	1700	950	30	ND
A1 @ 3 - 9"	4/11/2016	Discrete	8.8	ND	ND	ND	ND	4	ND	ND	17	30	33	ND
A1 @ 12 - 18"	4/11/2016	Discrete	9	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND
A2 @ 3 - 9"	4/11/2016	Discrete	16	8.2	5.6	ND	80	ND	ND	ND	120	21	13	ND
A3 @ 3 - 9"	4/11/2016	Discrete	9	12	9.4	ND	140	ND	ND	ND	15	14	90	ND
A3 @ 12 - 18"	4/11/2016	Discrete	7.9	16	13	ND	170	ND	ND	ND	26	20	170	ND
A4 @ 3 - 9"	4/11/2016	Discrete	11	980	850	45	5300	ND	ND	480	15000	24000	190	ND
A4 @ 12 - 18"	4/11/2016	Discrete	9.7	89	83	10	750	ND	ND	16	360	1000	29	ND
A5 @ 3 - 9"	4/11/2016	Discrete	8.9	ND	4	ND	ND	ND	ND	ND	130	33	13	ND
A6 @ 3 - 9"	4/11/2016	Discrete	9	ND	7.9	ND	ND	ND	ND	ND	45	56	27	ND
A6 @ 12 - 18"	4/11/2016	Discrete	8.6	ND	ND	ND	ND	ND	ND	ND	3.8	3.8	3.6	ND
A7 @ 3 - 9"	4/11/2016	Discrete	7.9	3.8	4.2	ND	ND	ND	ND	ND	23	12	7.6	ND
A8 @ 3 - 9"	4/11/2016	Discrete	8.2	ND	ND	ND	ND	ND	ND	ND	6.6	4.8	ND	ND
A9 @ 3 - 9"	4/11/2016	Discrete	8.3	ND	ND	ND	ND	ND	ND	ND	42	14	4.4	ND
A9 @ 12 - 18"	4/11/2016	Discrete	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
A10 @ 3 - 9"	4/11/2016	Discrete	9.5	49	46	7.1	590	ND	ND	12	680	410	420	ND
A10 @ 12 - 18"	4/11/2016	Discrete	8.4	ND	ND	ND	ND	ND	ND	2.6	11	3.7	2.5	ND

Notes:
N/A = not applicable
NA = not analyzed
ND = not detected
[1] EPA Region 9 Regional Screening Levels (RSLs) for residential soil, November 2015.
[2]DTSC HERO Note 3, DTSC-Modified Screening Levels (DTSC-SLs), May 2015.

APPENDIX A

LABORATORY ANALYSIS RESULTS

TestAmerica Laboratories, Inc.
Torrent Laboratory, Inc.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-71116-1
Client Project/Site: Jamison Way Parcels

For:
Engeo, Inc.
2010 Crow Canyon Place
Suite 250
San Ramon, California 94583

Attn: Mr. Jeff Adams

Authorized for release by:
4/5/2016 5:42:39 PM

Afsaneh Salimpour, Senior Project Manager
(925)484-1919
afsaneh.salimpour@testamericainc.com

Table of Contents

Definitions/Glossary

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-71116-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-71116-1

Comments
No additional comments.

Receipt
The samples were received on 3/25/2016 8:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 15.5º C.

GC Semi VOA
Method(s) 8081A: The continuing calibration verification (CCV) associated with batch 720-199936 recovered above the upper control limit for Toxaphene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: S4 (720-71116-4).

Method(s) 8081A: The %RPD between the primary and confirmation column exceeded 40% for alpha-Chlordane & gamma-Chlordane for the following samples: S1 (720-71116-1). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method(s) 8081A: The %RPD between the primary and confirmation column exceeded 40% for alpha-Chlordane for the following samples: S2 (720-71116-2). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method(s) 8081A: The %RPD between the primary and confirmation column exceeded 40% for Heptachlor epoxide, alpha-Chlordane & 4,4'-DDD for the following samples: S3 (720-71116-3). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

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

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

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

Detection Summary

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Client Sample ID: S1 — Lab Sample ID: 720-71116-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	93		2.0		ug/Kg	1		8081A	Total/NA
4,4'-DDT	13		2.0		ug/Kg	1		8081A	Total/NA
4,4'-DDE	6.3		2.0		ug/Kg	1		8081A	Total/NA
alpha-Chlordane	4.8	p	2.0		ug/Kg	1		8081A	Total/NA
gamma-Chlordane	2.9	p	2.0		ug/Kg	1		8081A	Total/NA
Arsenic	9.3		0.44		mg/Kg	10		6020	Total/NA

Client Sample ID: S2 — Lab Sample ID: 720-71116-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	16		2.0		ug/Kg	1		8081A	Total/NA
4,4'-DDT	38		2.0		ug/Kg	1		8081A	Total/NA
4,4'-DDE	77		2.0		ug/Kg	1		8081A	Total/NA
alpha-Chlordane	3.7	p	2.0		ug/Kg	1		8081A	Total/NA
Arsenic	10		0.45		mg/Kg	10		6020	Total/NA

Client Sample ID: S3 — Lab Sample ID: 720-71116-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	420		3.9		ug/Kg	2		8081A	Total/NA
Heptachlor epoxide	13	p	3.9		ug/Kg	2		8081A	Total/NA
4,4'-DDT	360		3.9		ug/Kg	2		8081A	Total/NA
4,4'-DDE	130		3.9		ug/Kg	2		8081A	Total/NA
4,4'-DDD	27	p	3.9		ug/Kg	2		8081A	Total/NA
gamma-BHC (Lindane)	4.2		3.9		ug/Kg	2		8081A	Total/NA
Chlordane (technical)	1200		79		ug/Kg	2		8081A	Total/NA
alpha-Chlordane	170	p	3.9		ug/Kg	2		8081A	Total/NA
gamma-Chlordane	180		3.9		ug/Kg	2		8081A	Total/NA
Arsenic	35		0.46		mg/Kg	10		6020	Total/NA

Client Sample ID: S4 — Lab Sample ID: 720-71116-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	30		20		ug/Kg	10		8081A	Total/NA
4,4'-DDT	950		20		ug/Kg	10		8081A	Total/NA
4,4'-DDE	1700		20		ug/Kg	10		8081A	Total/NA
4,4'-DDD	520		20		ug/Kg	10		8081A	Total/NA
Chlordane (technical)	5500		400		ug/Kg	10		8081A	Total/NA
alpha-Chlordane	1100		20		ug/Kg	10		8081A	Total/NA
gamma-Chlordane	820		20		ug/Kg	10		8081A	Total/NA
Arsenic	33		0.45		mg/Kg	10		6020	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: S1

Date Collected: 03/25/16 07:56
Date Received: 03/25/16 08:40

Lab Sample ID: 720-71116-1

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Dieldrin	**93**		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Endrin aldehyde	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Endrin	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Endrin ketone	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Heptachlor	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Heptachlor epoxide	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
4,4'-DDT	**13**		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
4,4'-DDE	**6.3**		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
4,4'-DDD	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Endosulfan I	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Endosulfan II	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
alpha-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
beta-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
delta-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Endosulfan sulfate	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Methoxychlor	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Toxaphene	ND		39		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
Chlordane (technical)	ND		39		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
alpha-Chlordane	**4.8**	**p**	2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1
gamma-Chlordane	**2.9**	**p**	2.0		ug/Kg		03/31/16 10:15	04/05/16 09:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*57 - 122*	*03/31/16 10:15*	*04/05/16 09:01*	*1*
DCB Decachlorobiphenyl	*131*		*21 - 136*	*03/31/16 10:15*	*04/05/16 09:01*	*1*

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**9.3**		0.44		mg/Kg		03/30/16 08:51	03/30/16 18:00	10

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Client Sample ID: S2
Date Collected: 03/25/16 08:02
Date Received: 03/25/16 08:40

Lab Sample ID: 720-71116-2
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Dieldrin	**16**		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Endrin aldehyde	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Endrin	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Endrin ketone	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Heptachlor	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Heptachlor epoxide	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
4,4'-DDT	**38**		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
4,4'-DDE	**77**		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
4,4'-DDD	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Endosulfan I	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Endosulfan II	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
alpha-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
beta-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
delta-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Endosulfan sulfate	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Methoxychlor	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Toxaphene	ND		39		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
Chlordane (technical)	ND		39		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
alpha-Chlordane	**3.7**	**p**	2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1
gamma-Chlordane	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 09:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*57 - 122*	*03/31/16 10:15*	*04/05/16 09:19*	*1*
DCB Decachlorobiphenyl	*115*		*21 - 136*	*03/31/16 10:15*	*04/05/16 09:19*	*1*

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**10**		0.45		mg/Kg		03/30/16 08:51	03/30/16 18:04	10

Client Sample ID: S3

Date Collected: 03/25/16 08:08
Date Received: 03/25/16 08:40

Lab Sample ID: 720-71116-3

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Dieldrin	**420**		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Endrin aldehyde	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Endrin	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Endrin ketone	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Heptachlor	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Heptachlor epoxide	**13**	**p**	3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
4,4'-DDT	**360**		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
4,4'-DDE	**130**		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
4,4'-DDD	**27**	**p**	3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Endosulfan I	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Endosulfan II	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
alpha-BHC	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
beta-BHC	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
gamma-BHC (Lindane)	**4.2**		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
delta-BHC	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Endosulfan sulfate	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Methoxychlor	ND		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Toxaphene	ND		79		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
Chlordane (technical)	**1200**		79		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
alpha-Chlordane	**170**	**p**	3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2
gamma-Chlordane	**180**		3.9		ug/Kg		03/31/16 10:15	04/05/16 09:36	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*57 - 122*	*03/31/16 10:15*	*04/05/16 09:36*	*2*
DCB Decachlorobiphenyl	*118*		*21 - 136*	*03/31/16 10:15*	*04/05/16 09:36*	*2*

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**35**		0.46		mg/Kg		03/30/16 08:51	03/30/16 18:09	10

Client Sample Results

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Client Sample ID: S4

Date Collected: 03/25/16 08:12
Date Received: 03/25/16 08:40

Lab Sample ID: 720-71116-4

Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Dieldrin	**30**		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Endrin aldehyde	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Endrin	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Endrin ketone	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Heptachlor	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Heptachlor epoxide	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
4,4'-DDT	**950**		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
4,4'-DDE	**1700**		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
4,4'-DDD	**520**		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Endosulfan I	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Endosulfan II	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
alpha-BHC	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
beta-BHC	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
gamma-BHC (Lindane)	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
delta-BHC	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Endosulfan sulfate	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Methoxychlor	ND		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Toxaphene	ND		400		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
Chlordane (technical)	**5500**		400		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
alpha-Chlordane	**1100**		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10
gamma-Chlordane	**820**		20		ug/Kg		03/31/16 10:15	04/05/16 15:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*0*	*X D*	*57 - 122*	*03/31/16 10:15*	*04/05/16 15:15*	*10*
DCB Decachlorobiphenyl	*0*	*X D*	*21 - 136*	*03/31/16 10:15*	*04/05/16 15:15*	*10*

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**33**		0.45		mg/Kg		03/30/16 08:51	03/30/16 18:13	10

Surrogate Summary

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCB2
Lab Sample ID	Client Sample ID	(57-122)	(21-136)
720-71116-1	S1	85	131
720-71116-2	S2	87	115
720-71116-3	S3	84	118

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB1
Lab Sample ID	Client Sample ID	(57-122)	(21-136)
720-71116-4	S4	0 X D	0 X D
LCS 720-199685/2-A	Lab Control Sample	93	106

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCB2
Lab Sample ID	Client Sample ID	(57-122)	(21-136)
MB 720-199685/1-A	Method Blank	96	98

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 720-199685/1-A
Matrix: Solid
Analysis Batch: 199936

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 199685

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Dieldrin	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Endrin aldehyde	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Endrin	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Endrin ketone	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Heptachlor	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Heptachlor epoxide	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
4,4'-DDT	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
4,4'-DDE	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
4,4'-DDD	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Endosulfan I	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Endosulfan II	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
alpha-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
beta-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
delta-BHC	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Endosulfan sulfate	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Methoxychlor	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Toxaphene	ND		40		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
Chlordane (technical)	ND		40		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
alpha-Chlordane	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1
gamma-Chlordane	ND		2.0		ug/Kg		03/31/16 10:15	04/05/16 05:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*57 - 122*	*03/31/16 10:15*	*04/05/16 05:25*	*1*
DCB Decachlorobiphenyl	*98*		*21 - 136*	*03/31/16 10:15*	*04/05/16 05:25*	*1*

Lab Sample ID: LCS 720-199685/2-A
Matrix: Solid
Analysis Batch: 199936

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 199685

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	16.7	15.5		ug/Kg		93	65 - 120
Dieldrin	16.7	16.5		ug/Kg		99	72 - 120
Endrin aldehyde	16.7	17.4		ug/Kg		104	68 - 120
Endrin	16.7	17.1		ug/Kg		102	68 - 120
Endrin ketone	16.7	16.9		ug/Kg		101	84 - 133
Heptachlor	16.7	16.2		ug/Kg		97	69 - 120
Heptachlor epoxide	16.7	17.0		ug/Kg		102	68 - 120
4,4'-DDT	16.7	15.4		ug/Kg		93	63 - 127
4,4'-DDE	16.7	16.7		ug/Kg		100	84 - 126
4,4'-DDD	16.7	17.0		ug/Kg		102	85 - 128
Endosulfan I	16.7	16.9		ug/Kg		101	62 - 120
Endosulfan II	16.7	16.9		ug/Kg		102	65 - 120
alpha-BHC	16.7	15.3		ug/Kg		92	62 - 120
beta-BHC	16.7	16.7		ug/Kg		100	74 - 124
gamma-BHC (Lindane)	16.7	15.9		ug/Kg		95	72 - 120
delta-BHC	16.7	13.5		ug/Kg		81	43 - 125

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

Lab Sample ID: LCS 720-199685/2-A
Matrix: Solid
Analysis Batch: 199936

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 199685

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Endosulfan sulfate			16.7	16.3		ug/Kg		98	74 - 121		
Methoxychlor			16.7	16.5		ug/Kg		99	71 - 132		
alpha-Chlordane			16.7	16.2		ug/Kg		97	70 - 120		
gamma-Chlordane			16.7	16.3		ug/Kg		98	68 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*93*		*57 - 122*
DCB Decachlorobiphenyl	*106*		*21 - 136*

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 580-213921/21-A
Matrix: Solid
Analysis Batch: 214025

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 213921

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.25		mg/Kg		03/30/16 08:51	03/30/16 16:44	5

Lab Sample ID: LCS 580-213921/22-A
Matrix: Solid
Analysis Batch: 214025

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 213921

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			200	199		mg/Kg		100	80 - 120		

Lab Sample ID: LCSD 580-213921/23-A
Matrix: Solid
Analysis Batch: 214025

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 213921

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			200	197		mg/Kg		98	80 - 120	1	20

QC Association Summary

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

GC Semi VOA

Prep Batch: 199685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71116-1	S1	Total/NA	Solid	3546	
720-71116-2	S2	Total/NA	Solid	3546	
720-71116-3	S3	Total/NA	Solid	3546	
720-71116-4	S4	Total/NA	Solid	3546	
LCS 720-199685/2-A	Lab Control Sample	Total/NA	Solid	3546	
MB 720-199685/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 199935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71116-1	S1	Total/NA	Solid	8081A	199685
720-71116-2	S2	Total/NA	Solid	8081A	199685
720-71116-3	S3	Total/NA	Solid	8081A	199685

Analysis Batch: 199936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71116-4	S4	Total/NA	Solid	8081A	199685
LCS 720-199685/2-A	Lab Control Sample	Total/NA	Solid	8081A	199685
MB 720-199685/1-A	Method Blank	Total/NA	Solid	8081A	199685

Metals

Prep Batch: 213921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71116-1	S1	Total/NA	Solid	3050B	
720-71116-2	S2	Total/NA	Solid	3050B	
720-71116-3	S3	Total/NA	Solid	3050B	
720-71116-4	S4	Total/NA	Solid	3050B	
LCS 580-213921/22-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 580-213921/23-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
MB 580-213921/21-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 214025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-71116-1	S1	Total/NA	Solid	6020	213921
720-71116-2	S2	Total/NA	Solid	6020	213921
720-71116-3	S3	Total/NA	Solid	6020	213921
720-71116-4	S4	Total/NA	Solid	6020	213921
LCS 580-213921/22-A	Lab Control Sample	Total/NA	Solid	6020	213921
LCSD 580-213921/23-A	Lab Control Sample Dup	Total/NA	Solid	6020	213921
MB 580-213921/21-A	Method Blank	Total/NA	Solid	6020	213921

Lab Chronicle

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Client Sample ID: S1
Date Collected: 03/25/16 07:56
Date Received: 03/25/16 08:40

Lab Sample ID: 720-71116-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			199685	03/31/16 10:15	KMK	TAL PLS
Total/NA	Analysis	8081A		1	199935	04/05/16 09:01	JZT	TAL PLS
Total/NA	Prep	3050B			213921	03/30/16 08:51	MKN	TAL SEA
Total/NA	Analysis	6020		10	214025	03/30/16 18:00	FCW	TAL SEA

Client Sample ID: S2
Date Collected: 03/25/16 08:02
Date Received: 03/25/16 08:40

Lab Sample ID: 720-71116-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			199685	03/31/16 10:15	KMK	TAL PLS
Total/NA	Analysis	8081A		1	199935	04/05/16 09:19	JZT	TAL PLS
Total/NA	Prep	3050B			213921	03/30/16 08:51	MKN	TAL SEA
Total/NA	Analysis	6020		10	214025	03/30/16 18:04	FCW	TAL SEA

Client Sample ID: S3
Date Collected: 03/25/16 08:08
Date Received: 03/25/16 08:40

Lab Sample ID: 720-71116-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			199685	03/31/16 10:15	KMK	TAL PLS
Total/NA	Analysis	8081A		2	199935	04/05/16 09:36	JZT	TAL PLS
Total/NA	Prep	3050B			213921	03/30/16 08:51	MKN	TAL SEA
Total/NA	Analysis	6020		10	214025	03/30/16 18:09	FCW	TAL SEA

Client Sample ID: S4
Date Collected: 03/25/16 08:12
Date Received: 03/25/16 08:40

Lab Sample ID: 720-71116-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			199685	03/31/16 10:15	KMK	TAL PLS
Total/NA	Analysis	8081A		10	199936	04/05/16 15:15	JZT	TAL PLS
Total/NA	Prep	3050B			213921	03/30/16 08:51	MKN	TAL SEA
Total/NA	Analysis	6020		10	214025	03/30/16 18:13	FCW	TAL SEA

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Certification Summary

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-17

Analysis Method	Prep Method	Matrix	Analyte

Laboratory: TestAmerica Seattle

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-022	03-02-17
California	State Program	9	2901	01-31-18
L-A-B	DoD ELAP		L2236	01-19-19
L-A-B	ISO/IEC 17025		L2236	01-19-19
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-06-16
US Fish & Wildlife	Federal		LE058448-0	10-31-16
USDA	Federal		P330-14-00126	04-08-17
Washington	State Program	10	C553	02-17-17

Method Summary

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Method	Method Description	Protocol	Laboratory
8081A	Organochlorine Pesticides (GC)	SW846	TAL PLS
6020	Metals (ICP/MS)	SW846	TAL SEA

Protocol References:

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

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: Engeo, Inc.
Project/Site: Jamison Way Parcels

TestAmerica Job ID: 720-71116-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-71116-1	S1	Solid	03/25/16 07:56	03/25/16 08:40
720-71116-2	S2	Solid	03/25/16 08:02	03/25/16 08:40
720-71116-3	S3	Solid	03/25/16 08:08	03/25/16 08:40
720-71116-4	S4	Solid	03/25/16 08:12	03/25/16 08:40

720-71116

167574

Chain of Custody Record

TestAmerica Pleasanton
1220 Quarry Lane

Pleasanton, CA 94566-4756
phone 925.484.1919 fax 925.600.3002

TestAmerica
THE LEADER in ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

4/5/2016

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Jeff Adams	Site Contact: Jenna Lohmann	Date:	COC No:
ENGEO, Inc	Tel/Fax:	Lab Contact:	Carrier:	____ of ____ COCs
2010 Crow Canyon Place, Suite 250	**Analysis Turnaround Time**			Sampler.
San Ramon, CA 94583	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only:**
(925) 866-9000 Phone	TAT if different from Below ____			Walk-in Client:
(888) 279-2698 FAX	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day	standard TAT		Lab Sampling:
Project Name: Jamison Way Parcels				Job / SDG No.:
Site: Jamison Way, Castro Valley				
P O # 12584.000.000				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Organochlorine Pesticides (EPA 8081)	Arsenic (EPA 6010/6020)	Sample Specific Notes:
S1	3/25/2016	0756	grab	soil	2			x	x	15.5°C
S2	3/25/2016	0802	grab	soil	2			x	x	
S3	3/25/2016	0808	grab	soil	2			x	x	
S4	3/25/2016	0812	grab	soil	2			x	x	

720-71116 Chain of Custody

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

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd ____ Corr'd ____		Therm ID No.: ____
Relinquished by:	Company: ENGEO	Date/Time: 3/25 0840	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TestAmerica	Date/Time: 3/25/16 0840

Form No. CA-C-WI-002, Rev. 4.9, dated 2/2/2016

TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Phone (925) 484-1919 Fax (925) 600-3002

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4/5/2016

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Salimpour, Afsaneh	Carrier Tracking No(s):	COC No: 720-28283.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: afsaneh.salimpour@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Analysis Requested		Job #: 720-71116-1
Address: 5755 8th Street East, ,	Due Date Requested: 3/31/2016			Preservation Codes:
City: Tacoma	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify) Other:
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel) 253-922-5047(Fax)	PO #:			
Email:	WO #:			
Project Name: Jamison Way Parcels	Project #: 72007857			
Site:	SSOW#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020/3050B (MOD) Arsenic	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
S1 (720-71116-1)	3/25/16	07:56 Pacific		Solid			X	1	
S2 (720-71116-2)	3/25/16	08:02 Pacific		Solid			X	1	
S3 (720-71116-3)	3/25/16	08:08 Pacific		Solid			X	1	
S4 (720-71116-4)	3/25/16	08:12 Pacific		Solid			X	1	

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	3/25/16 1440	TA	[signature]	3/26/16 0940	STLSTA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR2 = 0.7 / 0.8

Login Sample Receipt Checklist

Client: Engeo, Inc.

Job Number: 720-71116-1

Login Number: 71116
List Number: 1
Creator: Duong, Paloma R

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Engeo, Inc.

Job Number: 720-71116-1

Login Number: 71116
List Number: 2
Creator: Abello, Andrea N

List Source: TestAmerica Seattle
List Creation: 03/26/16 10:55 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR2 = 0.7 / 0.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

RE: Jamison Way

Work Order No.: 1604069

Dear Kelsey Gerhart:

Torrent Laboratory, Inc. received 22 sample(s) on April 11, 2016 for the analyses presented in the following Report.

As requested on the chain of custody, six samples were placed on hold.

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

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

Patti Sandrock
QA Officer

April 14, 2016
Date

Date: 4/14/2016

Client: Engeo (San Ramon)

Project: Jamison Way

Work Order: 1604069

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.

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

A1 @ 3-9" 1604069-001

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	8.8	mg/Kg
delta-BHC	SW8081A	10	4.0	20	4.0	ug/Kg
4,4'-DDE	SW8081A	10	5.1	20	17	ug/Kg
Dieldrin	SW8081A	10	5.8	20	33	ug/Kg
4,4'-DDT	SW8081A	10	6.7	20	30	ug/Kg

A1 @ 12-18" 1604069-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	9.0	mg/Kg
4,4'-DDE	SW8081A	4	2.0	8.0	2.7	ug/Kg

A2 @ 3-9" 1604069-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	16	mg/Kg
gamma-Chlordane	SW8081A	4	3.2	8.0	5.6	ug/Kg
alpha-Chlordane	SW8081A	4	3.8	8.0	8.2	ug/Kg
4,4'-DDE	SW8081A	4	2.0	8.0	120	ug/Kg
Dieldrin	SW8081A	4	2.3	8.0	13	ug/Kg
4,4'-DDT	SW8081A	4	2.7	8.0	21	ug/Kg
Chlordane	SW8081A	4	41	80	80	ug/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

A3 @ 3-9" 1604069-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
gamma-Chlordane	SW8081A	10	7.9	20	9.4	ug/Kg
alpha-Chlordane	SW8081A	10	9.4	20	12	ug/Kg
4,4'-DDE	SW8081A	10	5.1	20	15	ug/Kg
Dieldrin	SW8081A	10	5.8	20	90	ug/Kg
4,4'-DDT	SW8081A	10	6.7	20	14	ug/Kg
Chlordane	SW8081A	10	100	200	140	ug/Kg
Arsenic	SW6010B	1	0.28	1.7	9.0	mg/Kg

A3 @ 12-18" 1604069-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
gamma-Chlordane	SW8081A	10	7.9	20	13	ug/Kg
alpha-Chlordane	SW8081A	10	9.4	20	16	ug/Kg
4,4'-DDE	SW8081A	10	5.1	20	26	ug/Kg
Dieldrin	SW8081A	10	5.8	20	170	ug/Kg
4,4'-DDT	SW8081A	10	6.7	20	20	ug/Kg
Chlordane	SW8081A	10	100	200	170	ug/Kg
Arsenic	SW6010B	1	0.28	1.7	7.9	mg/Kg

A4 @ 3-9" 1604069-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4'-DDT	SW8081A	1000	670	2000	24000	ug/Kg
gamma-Chlordane	SW8081A	100	79	200	850	ug/Kg
alpha-Chlordane	SW8081A	100	94	200	980	ug/Kg
4,4'-DDE	SW8081A	100	51	200	1500	ug/Kg
Heptachlor epoxide	SW8081A	10	3.6	20	45	ug/Kg
Dieldrin	SW8081A	10	5.8	20	190	ug/Kg
4,4'-DDD	SW8081A	10	7.6	20	480	ug/Kg
Chlordane	SW8081A	10	100	200	5300	ug/Kg
Arsenic	SW6010B	1	0.28	1.7	11	mg/Kg

Sample Result Summary

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

A4 @ 12-18" 1604069-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
4,4'-DDE	SW8081A	10	5.1	20	360	ug/Kg
Arsenic	SW6010B	1	0.28	1.7	9.7	mg/Kg
Heptachlor epoxide	SW8081A	4	1.4	8.0	10	ug/Kg
gamma-Chlordane	SW8081A	4	3.2	8.0	83	ug/Kg
alpha-Chlordane	SW8081A	4	3.8	8.0	89	ug/Kg
Dieldrin	SW8081A	4	2.3	8.0	29	ug/Kg
4,4'-DDD	SW8081A	4	3.0	8.0	16	ug/Kg
Chlordane	SW8081A	4	41	80	750	ug/Kg
4,4'-DDT	SW8081A	50	33	100	1000	ug/Kg

A5 @ 3-9" 1604069-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	8.9	mg/Kg
gamma-Chlordane	SW8081A	4	3.2	8.0	4.0	ug/Kg
4,4'-DDE	SW8081A	4	2.0	8.0	130	ug/Kg
Dieldrin	SW8081A	4	2.3	8.0	13	ug/Kg
4,4'-DDT	SW8081A	4	2.7	8.0	33	ug/Kg

A6 @ 3-9" 1604069-012

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
gamma-Chlordane	SW8081A	10	7.9	20	7.9	ug/Kg
4,4'-DDE	SW8081A	10	5.1	20	45	ug/Kg
Dieldrin	SW8081A	10	5.8	20	27	ug/Kg
4,4'-DDT	SW8081A	10	6.7	20	56	ug/Kg
Arsenic	SW6010B	1	0.28	1.7	9.0	mg/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

A6 @ 12-18" 1604069-013

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	8.6	mg/Kg
4,4'-DDE	SW8081A	4	2.0	8.0	3.8	ug/Kg
Dieldrin	SW8081A	4	2.3	8.0	3.6	ug/Kg
4,4'-DDT	SW8081A	4	2.7	8.0	3.8	ug/Kg

A7 @ 3-9" 1604069-015

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	7.9	mg/Kg
gamma-Chlordane	SW8081A	4	3.2	8.0	4.2	ug/Kg
alpha-Chlordane	SW8081A	4	3.8	8.0	3.8	ug/Kg
4,4'-DDE	SW8081A	4	2.0	8.0	23	ug/Kg
Dieldrin	SW8081A	4	2.3	8.0	7.6	ug/Kg
4,4'-DDT	SW8081A	4	2.7	8.0	12	ug/Kg

A8 @ 3-9" 1604069-016

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	8.2	mg/Kg
4,4'-DDE	SW8081A	4	2.0	8.0	6.6	ug/Kg
4,4'-DDT	SW8081A	4	2.7	8.0	4.8	ug/Kg

A9 @ 3-9" 1604069-017

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	8.3	mg/Kg
4,4'-DDE	SW8081A	4	2.0	8.0	42	ug/Kg
Dieldrin	SW8081A	4	2.3	8.0	4.4	ug/Kg
4,4'-DDT	SW8081A	4	2.7	8.0	14	ug/Kg

Torrent LABORATORY, INC.

Sample Result Summary

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

A9 @ 12-18" 1604069-018

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	9.0	mg/Kg

A10@ 3-9" 1604069-020

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Heptachlor epoxide	SW8081A	10	3.6	20	7.1	ug/Kg
gamma-Chlordane	SW8081A	10	7.9	20	46	ug/Kg
alpha-Chlordane	SW8081A	10	9.4	20	49	ug/Kg
Dieldrin	SW8081A	10	5.8	20	420	ug/Kg
4,4'-DDD	SW8081A	10	7.6	20	12	ug/Kg
4,4'-DDT	SW8081A	10	6.7	20	410	ug/Kg
Chlordane	SW8081A	10	100	200	590	ug/Kg
Arsenic	SW6010B	1	0.28	1.7	9.5	mg/Kg
4,4'-DDE	SW8081A	20	10	40	680	ug/Kg

A10 @ 12-18" 1604069-021

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.28	1.7	8.4	mg/Kg
4,4'-DDE	SW8081A	1	0.51	2.0	11	ug/Kg
Dieldrin	SW8081A	1	0.58	2.0	2.5	ug/Kg
4,4'-DDD	SW8081A	1	0.76	2.0	2.6	ug/Kg
4,4'-DDT	SW8081A	1	0.67	2.0	3.7	ug/Kg

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID: A1 @ 3-9"
Project Name/Location: Jamison Way
Project Number: 12854.000.000
Date/Time Sampled: 04/11/16 / 8:45

Lab Sample ID: 1604069-001A
Sample Matrix: Soil

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	8.8		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/11/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16830
gamma-BHC	SW8081A	4/11/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16830
beta-BHC	SW8081A	4/11/16	04/13/16	10	5.6	20	ND		ug/Kg	429672	16830
delta-BHC	SW8081A	4/11/16	04/13/16	10	4.0	20	4.0		ug/Kg	429672	16830
Heptachlor	SW8081A	4/11/16	04/13/16	10	7.9	20	ND		ug/Kg	429672	16830
Aldrin	SW8081A	4/11/16	04/13/16	10	8.1	20	ND		ug/Kg	429672	16830
Heptachlor epoxide	SW8081A	4/11/16	04/13/16	10	3.6	20	ND		ug/Kg	429672	16830
gamma-Chlordane	SW8081A	4/11/16	04/13/16	10	7.9	20	ND		ug/Kg	429672	16830
alpha-Chlordane	SW8081A	4/11/16	04/13/16	10	9.4	20	ND		ug/Kg	429672	16830
Endosulfan I	SW8081A	4/11/16	04/13/16	10	6.4	20	ND		ug/Kg	429672	16830
4,4'-DDE	SW8081A	4/11/16	04/13/16	10	5.1	20	17	J	ug/Kg	429672	16830
Dieldrin	SW8081A	4/11/16	04/13/16	10	5.8	20	33		ug/Kg	429672	16830
Endrin	SW8081A	4/11/16	04/13/16	10	8.6	20	ND		ug/Kg	429672	16830
4,4'-DDD	SW8081A	4/11/16	04/13/16	10	7.6	20	ND		ug/Kg	429672	16830
Endosulfan II	SW8081A	4/11/16	04/13/16	10	8.2	20	ND		ug/Kg	429672	16830
4,4'-DDT	SW8081A	4/11/16	04/13/16	10	6.7	20	30		ug/Kg	429672	16830
Endrin aldehyde	SW8081A	4/11/16	04/13/16	10	4.6	20	ND		ug/Kg	429672	16830
Endosulfan sulfate	SW8081A	4/11/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16830
Methoxychlor	SW8081A	4/11/16	04/13/16	10	6.1	50	ND		ug/Kg	429672	16830
Endrin Ketone	SW8081A	4/11/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16830
Chlordane	SW8081A	4/11/16	04/13/16	10	100	200	ND		ug/Kg	429672	16830
Toxaphene	SW8081A	4/11/16	04/13/16	10	82	1000	ND		ug/Kg	429672	16830
TCMX (S)	SW8081A	4/11/16	04/13/16	10	52.5	139	93.5		%	429672	16830
DCBP (S)	SW8081A	4/11/16	04/13/16	10	50.2	139	99.3		%	429672	16830

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A1 @ 12-18"	**Lab Sample ID:**	1604069-002A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 8:50		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	9.0		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/11/16	04/13/16	4	2.4	8.0	ND		ug/Kg	429672	16830
gamma-BHC	SW8081A	4/11/16	04/13/16	4	2.5	8.0	ND		ug/Kg	429672	16830
beta-BHC	SW8081A	4/11/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16830
delta-BHC	SW8081A	4/11/16	04/13/16	4	1.6	8.0	ND		ug/Kg	429672	16830
Heptachlor	SW8081A	4/11/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16830
Aldrin	SW8081A	4/11/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16830
Heptachlor epoxide	SW8081A	4/11/16	04/13/16	4	1.4	8.0	ND		ug/Kg	429672	16830
gamma-Chlordane	SW8081A	4/11/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16830
alpha-Chlordane	SW8081A	4/11/16	04/13/16	4	3.8	8.0	ND		ug/Kg	429672	16830
Endosulfan I	SW8081A	4/11/16	04/13/16	4	2.6	8.0	ND		ug/Kg	429672	16830
4,4'-DDE	SW8081A	4/11/16	04/13/16	4	2.0	8.0	2.7	J	ug/Kg	429672	16830
Dieldrin	SW8081A	4/11/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16830
Endrin	SW8081A	4/11/16	04/13/16	4	3.4	8.0	ND		ug/Kg	429672	16830
4,4'-DDD	SW8081A	4/11/16	04/13/16	4	3.0	8.0	ND		ug/Kg	429672	16830
Endosulfan II	SW8081A	4/11/16	04/13/16	4	3.3	8.0	ND		ug/Kg	429672	16830
4,4'-DDT	SW8081A	4/11/16	04/13/16	4	2.7	8.0	ND		ug/Kg	429672	16830
Endrin aldehyde	SW8081A	4/11/16	04/13/16	4	1.8	8.0	ND		ug/Kg	429672	16830
Endosulfan sulfate	SW8081A	4/11/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16830
Methoxychlor	SW8081A	4/11/16	04/13/16	4	2.5	20	ND		ug/Kg	429672	16830
Endrin Ketone	SW8081A	4/11/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16830
Chlordane	SW8081A	4/11/16	04/13/16	4	41	80	ND		ug/Kg	429672	16830
Toxaphene	SW8081A	4/11/16	04/13/16	4	33	400	ND		ug/Kg	429672	16830
TCMX (S)	SW8081A	4/11/16	04/13/16	4	52.5	139	87.6		%	429672	16830
DCBP (S)	SW8081A	4/11/16	04/13/16	4	50.2	139	88.5		%	429672	16830

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A2 @ 3-9"	**Lab Sample ID:**	1604069-004A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 11:10		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	16		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/11/16	04/13/16	4	2.4	8.0	ND		ug/Kg	429672	16830
gamma-BHC	SW8081A	4/11/16	04/13/16	4	2.5	8.0	ND		ug/Kg	429672	16830
beta-BHC	SW8081A	4/11/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16830
delta-BHC	SW8081A	4/11/16	04/13/16	4	1.6	8.0	ND		ug/Kg	429672	16830
Heptachlor	SW8081A	4/11/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16830
Aldrin	SW8081A	4/11/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16830
Heptachlor epoxide	SW8081A	4/11/16	04/13/16	4	1.4	8.0	ND		ug/Kg	429672	16830
gamma-Chlordane	SW8081A	4/11/16	04/13/16	4	3.2	8.0	5.6	J	ug/Kg	429672	16830
alpha-Chlordane	SW8081A	4/11/16	04/13/16	4	3.8	8.0	8.2		ug/Kg	429672	16830
Endosulfan I	SW8081A	4/11/16	04/13/16	4	2.6	8.0	ND		ug/Kg	429672	16830
4,4'-DDE	SW8081A	4/11/16	04/13/16	4	2.0	8.0	120		ug/Kg	429672	16830
Dieldrin	SW8081A	4/11/16	04/13/16	4	2.3	8.0	13		ug/Kg	429672	16830
Endrin	SW8081A	4/11/16	04/13/16	4	3.4	8.0	ND		ug/Kg	429672	16830
4,4'-DDD	SW8081A	4/11/16	04/13/16	4	3.0	8.0	ND		ug/Kg	429672	16830
Endosulfan II	SW8081A	4/11/16	04/13/16	4	3.3	8.0	ND		ug/Kg	429672	16830
4,4'-DDT	SW8081A	4/11/16	04/13/16	4	2.7	8.0	21		ug/Kg	429672	16830
Endrin aldehyde	SW8081A	4/11/16	04/13/16	4	1.8	8.0	ND		ug/Kg	429672	16830
Endosulfan sulfate	SW8081A	4/11/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16830
Methoxychlor	SW8081A	4/11/16	04/13/16	4	2.5	20	ND		ug/Kg	429672	16830
Endrin Ketone	SW8081A	4/11/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16830
Chlordane	SW8081A	4/11/16	04/13/16	4	41	80	80		ug/Kg	429672	16830
Toxaphene	SW8081A	4/11/16	04/13/16	4	33	400	ND		ug/Kg	429672	16830
TCMX (S)	SW8081A	4/11/16	04/13/16	4	52.5	139	86.7		%	429672	16830
DCBP (S)	SW8081A	4/11/16	04/13/16	4	50.2	139	83.3		%	429672	16830

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A3 @ 3-9"	**Lab Sample ID:**	1604069-005A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 9:00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	9.0		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/11/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16830
gamma-BHC	SW8081A	4/11/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16830
beta-BHC	SW8081A	4/11/16	04/13/16	10	5.6	20	ND		ug/Kg	429672	16830
delta-BHC	SW8081A	4/11/16	04/13/16	10	4.0	20	ND		ug/Kg	429672	16830
Heptachlor	SW8081A	4/11/16	04/13/16	10	7.9	20	ND		ug/Kg	429672	16830
Aldrin	SW8081A	4/11/16	04/13/16	10	8.1	20	ND		ug/Kg	429672	16830
Heptachlor epoxide	SW8081A	4/11/16	04/13/16	10	3.6	20	ND		ug/Kg	429672	16830
gamma-Chlordane	SW8081A	4/11/16	04/13/16	10	7.9	20	9.4	J	ug/Kg	429672	16830
alpha-Chlordane	SW8081A	4/11/16	04/13/16	10	9.4	20	12	J	ug/Kg	429672	16830
Endosulfan I	SW8081A	4/11/16	04/13/16	10	6.4	20	ND		ug/Kg	429672	16830
4,4'-DDE	SW8081A	4/11/16	04/13/16	10	5.1	20	15	J	ug/Kg	429672	16830
Dieldrin	SW8081A	4/11/16	04/13/16	10	5.8	20	90		ug/Kg	429672	16830
Endrin	SW8081A	4/11/16	04/13/16	10	8.6	20	ND		ug/Kg	429672	16830
4,4'-DDD	SW8081A	4/11/16	04/13/16	10	7.6	20	ND		ug/Kg	429672	16830
Endosulfan II	SW8081A	4/11/16	04/13/16	10	8.2	20	ND		ug/Kg	429672	16830
4,4'-DDT	SW8081A	4/11/16	04/13/16	10	6.7	20	14	J	ug/Kg	429672	16830
Endrin aldehyde	SW8081A	4/11/16	04/13/16	10	4.6	20	ND		ug/Kg	429672	16830
Endosulfan sulfate	SW8081A	4/11/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16830
Methoxychlor	SW8081A	4/11/16	04/13/16	10	6.1	50	ND		ug/Kg	429672	16830
Endrin Ketone	SW8081A	4/11/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16830
Chlordane	SW8081A	4/11/16	04/13/16	10	100	200	140	J	ug/Kg	429672	16830
Toxaphene	SW8081A	4/11/16	04/13/16	10	82	1000	ND		ug/Kg	429672	16830
TCMX (S)	SW8081A	4/11/16	04/13/16	10	52.5	139	96.6		%	429672	16830
DCBP (S)	SW8081A	4/11/16	04/13/16	10	50.2	139	94.7		%	429672	16830

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A3 @ 12-18"	**Lab Sample ID:**	1604069-006A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 9:05		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	7.9		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/11/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16830
gamma-BHC	SW8081A	4/11/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16830
beta-BHC	SW8081A	4/11/16	04/13/16	10	5.6	20	ND		ug/Kg	429672	16830
delta-BHC	SW8081A	4/11/16	04/13/16	10	4.0	20	ND		ug/Kg	429672	16830
Heptachlor	SW8081A	4/11/16	04/13/16	10	7.9	20	ND		ug/Kg	429672	16830
Aldrin	SW8081A	4/11/16	04/13/16	10	8.1	20	ND		ug/Kg	429672	16830
Heptachlor epoxide	SW8081A	4/11/16	04/13/16	10	3.6	20	ND		ug/Kg	429672	16830
gamma-Chlordane	SW8081A	4/11/16	04/13/16	10	7.9	20	13	J	ug/Kg	429672	16830
alpha-Chlordane	SW8081A	4/11/16	04/13/16	10	9.4	20	16	J	ug/Kg	429672	16830
Endosulfan I	SW8081A	4/11/16	04/13/16	10	6.4	20	ND		ug/Kg	429672	16830
4,4'-DDE	SW8081A	4/11/16	04/13/16	10	5.1	20	26		ug/Kg	429672	16830
Dieldrin	SW8081A	4/11/16	04/13/16	10	5.8	20	170		ug/Kg	429672	16830
Endrin	SW8081A	4/11/16	04/13/16	10	8.6	20	ND		ug/Kg	429672	16830
4,4'-DDD	SW8081A	4/11/16	04/13/16	10	7.6	20	ND		ug/Kg	429672	16830
Endosulfan II	SW8081A	4/11/16	04/13/16	10	8.2	20	ND		ug/Kg	429672	16830
4,4'-DDT	SW8081A	4/11/16	04/13/16	10	6.7	20	20		ug/Kg	429672	16830
Endrin aldehyde	SW8081A	4/11/16	04/13/16	10	4.6	20	ND		ug/Kg	429672	16830
Endosulfan sulfate	SW8081A	4/11/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16830
Methoxychlor	SW8081A	4/11/16	04/13/16	10	6.1	50	ND		ug/Kg	429672	16830
Endrin Ketone	SW8081A	4/11/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16830
Chlordane	SW8081A	4/11/16	04/13/16	10	100	200	170	J	ug/Kg	429672	16830
Toxaphene	SW8081A	4/11/16	04/13/16	10	82	1000	ND		ug/Kg	429672	16830
TCMX (S)	SW8081A	4/11/16	04/13/16	10	52.5	139	99.7		%	429672	16830
DCBP (S)	SW8081A	4/11/16	04/13/16	10	50.2	139	96.7		%	429672	16830

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A4 @ 3-9"	**Lab Sample ID:**	1604069-008A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 9:45		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	11		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
4,4'-DDT	SW8081A	4/13/16	04/13/16	1000	670	2000	24000		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	100	79	200	850		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	100	94	200	980		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	100	51	200	1500		ug/Kg	429672	16847
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	10	5.6	20	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	10	4.0	20	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	10	7.9	20	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	10	8.1	20	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	10	3.6	20	45		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	10	6.4	20	ND		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	10	5.8	20	190		ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	10	8.6	20	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	10	7.6	20	480		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	10	8.2	20	ND		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	10	4.6	20	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	10	6.1	50	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	10	100	200	5300		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	10	82	1000	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	10	52.5	139	89.9		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	10	50.2	139	85.2		%	429672	16847

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A4 @ 12-18"	**Lab Sample ID:**	1604069-009A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 9:46		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	9.7		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
4,4'-DDE	SW8081A	4/13/16	04/13/16	10	5.1	20	360		ug/Kg	429672	16847
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	4	2.4	8.0	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	4	2.5	8.0	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	4	1.6	8.0	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	4	1.4	8.0	10		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	4	3.2	8.0	83		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	4	3.8	8.0	89		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	4	2.6	8.0	ND		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	4	2.3	8.0	29		ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	4	3.4	8.0	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	4	3.0	8.0	16		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	4	3.3	8.0	ND		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	4	1.8	8.0	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	4	2.5	20	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	4	41	80	750		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	4	33	400	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	4	52.5	139	80.6		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	4	50.2	139	74.0		%	429672	16847
NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)											
4,4'-DDT	SW8081A	4/13/16	04/13/16	50	33	100	1000		ug/Kg	429672	16847

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A5 @ 3-9"	**Lab Sample ID:**	1604069-011A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:00		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	8.9		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	4	2.4	8.0	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	4	2.5	8.0	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	4	1.6	8.0	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	4	1.4	8.0	ND		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	4	3.2	8.0	4.0	J	ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	4	3.8	8.0	ND		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	4	2.6	8.0	ND		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	4	2.0	8.0	130		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	4	2.3	8.0	13		ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	4	3.4	8.0	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	4	3.0	8.0	ND		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	4	3.3	8.0	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	4	2.7	8.0	33		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	4	1.8	8.0	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	4	2.5	20	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	4	41	80	ND		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	4	33	400	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	4	52.5	139	86.7		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	4	50.2	139	75.1		%	429672	16847

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A6 @ 3-9"	**Lab Sample ID:**	1604069-012A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:05		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	9.0		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	10	5.6	20	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	10	4.0	20	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	10	7.9	20	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	10	8.1	20	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	10	3.6	20	ND		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	10	7.9	20	7.9		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	10	9.4	20	ND		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	10	6.4	20	ND		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	10	5.1	20	45		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	10	5.8	20	27		ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	10	8.6	20	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	10	7.6	20	ND		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	10	8.2	20	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	10	6.7	20	56		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	10	4.6	20	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	10	6.1	50	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	10	100	200	ND		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	10	82	1000	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	10	52.5	139	90.3		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	10	50.2	139	86.3		%	429672	16847

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A6 @ 12-18"	**Lab Sample ID:**	1604069-013A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:10		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	8.6		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	4	2.4	8.0	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	4	2.5	8.0	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	4	1.6	8.0	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	4	1.4	8.0	ND		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	4	3.8	8.0	ND		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	4	2.6	8.0	ND		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	4	2.0	8.0	3.8	J	ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	4	2.3	8.0	3.6	J	ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	4	3.4	8.0	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	4	3.0	8.0	ND		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	4	3.3	8.0	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	4	2.7	8.0	3.8	J	ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	4	1.8	8.0	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	4	2.5	20	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	4	41	80	ND		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	4	33	400	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	4	52.5	139	88.7		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	4	50.2	139	78.5		%	429672	16847

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A7 @ 3-9"	**Lab Sample ID:**	1604069-015A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:25		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	7.9		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	4	2.4	8.0	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	4	2.5	8.0	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	4	1.6	8.0	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	4	1.4	8.0	ND		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	4	3.2	8.0	4.2	J	ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	4	3.8	8.0	3.8	J	ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	4	2.6	8.0	ND		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	4	2.0	8.0	23		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	4	2.3	8.0	7.6	J	ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	4	3.4	8.0	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	4	3.0	8.0	ND		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	4	3.3	8.0	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	4	2.7	8.0	12		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	4	1.8	8.0	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	4	2.5	20	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	4	41	80	ND		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	4	33	400	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	4	52.5	139	87.9		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	4	50.2	139	84.1		%	429672	16847

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A8 @ 3-9"	**Lab Sample ID:**	1604069-016A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:30		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	8.2		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	4	2.4	8.0	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	4	2.5	8.0	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	4	1.6	8.0	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	4	1.4	8.0	ND		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	4	3.8	8.0	ND		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	4	2.6	8.0	ND		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	4	2.0	8.0	6.6	J	ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	4	3.4	8.0	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	4	3.0	8.0	ND		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	4	3.3	8.0	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	4	2.7	8.0	4.8	J	ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	4	1.8	8.0	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	4	2.5	20	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	4	41	80	ND		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	4	33	400	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	4	52.5	139	89.3		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	4	50.2	139	79.1		%	429672	16847

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A9 @ 3-9"	**Lab Sample ID:**	1604069-017A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:35		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	8.3		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	4	2.4	8.0	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	4	2.5	8.0	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	4	1.6	8.0	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	4	1.4	8.0	ND		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	4	3.2	8.0	ND		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	4	3.8	8.0	ND		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	4	2.6	8.0	ND		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	4	2.0	8.0	42		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	4	2.3	8.0	4.4	J	ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	4	3.4	8.0	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	4	3.0	8.0	ND		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	4	3.3	8.0	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	4	2.7	8.0	14		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	4	1.8	8.0	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	4	2.5	20	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	4	2.3	8.0	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	4	41	80	ND		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	4	33	400	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	4	52.5	139	84.7		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	4	50.2	139	80.1		%	429672	16847

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A9 @ 12-18"	**Lab Sample ID:**	1604069-018A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:40		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	9.0		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
alpha-BHC	SW8081A	4/13/16	04/13/16	1	0.61	2.0	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	1	0.61	2.0	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	1	0.56	2.0	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	1	0.40	2.0	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	1	0.79	2.0	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	1	0.81	2.0	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	1	0.36	2.0	ND		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	1	0.79	2.0	ND		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	1	0.94	2.0	ND		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	1	0.64	2.0	ND		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	1	0.51	2.0	ND		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	1	0.58	2.0	ND		ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	1	0.86	2.0	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	1	0.76	2.0	ND		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	1	0.82	2.0	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	1	0.67	2.0	ND		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	1	0.46	2.0	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	1	0.58	2.0	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	1	0.61	5.0	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	1	0.58	2.0	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	1	10	20	ND		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	1	8.2	100	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	1	52.5	139	82.4		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	1	50.2	139	70.8		%	429672	16847

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A10@ 3-9"	**Lab Sample ID:**	1604069-020A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:50		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	9.5		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
The results shown below are reported using their MDL.											
alpha-BHC	SW8081A	4/13/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	10	6.1	20	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	10	5.6	20	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	10	4.0	20	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	10	7.9	20	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	10	8.1	20	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	10	3.6	20	7.1	J	ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	10	7.9	20	46		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	10	9.4	20	49		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	10	6.4	20	ND		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	10	5.8	20	420		ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	10	8.6	20	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	10	7.6	20	12	J	ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	10	8.2	20	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	10	6.7	20	410		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	10	4.6	20	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	10	6.1	50	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	10	5.8	20	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	10	100	200	590		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	10	82	1000	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	10	52.5	139	88.4		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	10	50.2	139	77.3		%	429672	16847

NOTE: Reporting limits increased due to nature of the matrix (viscous/dark color extract)

4,4'-DDE	SW8081A	4/13/16	04/13/16	20	10	40	680		ug/Kg	429672	16847

Torrent LABORATORY, INC.

SAMPLE RESULTS

Report prepared for: Kelsey Gerhart
Engeo (San Ramon)

Date Received: 04/11/16
Date Reported: 04/14/16

Client Sample ID:	A10 @ 12-18"	**Lab Sample ID:**	1604069-021A
Project Name/Location:	Jamison Way	**Sample Matrix:**	Soil
Project Number:	12854.000.000		
Date/Time Sampled:	04/11/16 / 10:55		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
Arsenic	SW6010B	4/13/16	04/13/16	1	0.28	1.7	8.4		mg/Kg	429665	16845

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
alpha-BHC	SW8081A	4/13/16	04/13/16	1	0.61	2.0	ND		ug/Kg	429672	16847
gamma-BHC	SW8081A	4/13/16	04/13/16	1	0.61	2.0	ND		ug/Kg	429672	16847
beta-BHC	SW8081A	4/13/16	04/13/16	1	0.56	2.0	ND		ug/Kg	429672	16847
delta-BHC	SW8081A	4/13/16	04/13/16	1	0.40	2.0	ND		ug/Kg	429672	16847
Heptachlor	SW8081A	4/13/16	04/13/16	1	0.79	2.0	ND		ug/Kg	429672	16847
Aldrin	SW8081A	4/13/16	04/13/16	1	0.81	2.0	ND		ug/Kg	429672	16847
Heptachlor epoxide	SW8081A	4/13/16	04/13/16	1	0.36	2.0	ND		ug/Kg	429672	16847
gamma-Chlordane	SW8081A	4/13/16	04/13/16	1	0.79	2.0	ND		ug/Kg	429672	16847
alpha-Chlordane	SW8081A	4/13/16	04/13/16	1	0.94	2.0	ND		ug/Kg	429672	16847
Endosulfan I	SW8081A	4/13/16	04/13/16	1	0.64	2.0	ND		ug/Kg	429672	16847
4,4'-DDE	SW8081A	4/13/16	04/13/16	1	0.51	2.0	11		ug/Kg	429672	16847
Dieldrin	SW8081A	4/13/16	04/13/16	1	0.58	2.0	2.5		ug/Kg	429672	16847
Endrin	SW8081A	4/13/16	04/13/16	1	0.86	2.0	ND		ug/Kg	429672	16847
4,4'-DDD	SW8081A	4/13/16	04/13/16	1	0.76	2.0	2.6		ug/Kg	429672	16847
Endosulfan II	SW8081A	4/13/16	04/13/16	1	0.82	2.0	ND		ug/Kg	429672	16847
4,4'-DDT	SW8081A	4/13/16	04/13/16	1	0.67	2.0	3.7		ug/Kg	429672	16847
Endrin aldehyde	SW8081A	4/13/16	04/13/16	1	0.46	2.0	ND		ug/Kg	429672	16847
Endosulfan sulfate	SW8081A	4/13/16	04/13/16	1	0.58	2.0	ND		ug/Kg	429672	16847
Methoxychlor	SW8081A	4/13/16	04/13/16	1	0.61	5.0	ND		ug/Kg	429672	16847
Endrin Ketone	SW8081A	4/13/16	04/13/16	1	0.58	2.0	ND		ug/Kg	429672	16847
Chlordane	SW8081A	4/13/16	04/13/16	1	10	20	ND		ug/Kg	429672	16847
Toxaphene	SW8081A	4/13/16	04/13/16	1	8.2	100	ND		ug/Kg	429672	16847
TCMX (S)	SW8081A	4/13/16	04/13/16	1	52.5	139	88.6		%	429672	16847
DCBP (S)	SW8081A	4/13/16	04/13/16	1	50.2	139	72.9		%	429672	16847

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1604069	**Prep Method:**	3546_OCP	**Prep Date:**	04/11/16	**Prep Batch:**	16830
Matrix:	Soil	**Analytical Method:**	SW8081A	**Analyzed Date:**	04/12/16	**Analytical Batch:**	429655
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
alpha-BHC	0.61	2.0	ND	
gamma-BHC	0.61	2.0	ND	
beta-BHC	0.56	2.0	ND	
delta-BHC	0.40	2.0	ND	
Heptachlor	0.79	2.0	ND	
Aldrin	0.81	2.0	ND	
Heptachlor epoxide	0.36	2.0	ND	
gamma-Chlordane	0.79	2.0	ND	
alpha-Chlordane	0.94	2.0	ND	
Endosulfan I	0.64	2.0	ND	
4,4'-DDE	0.51	2.0	ND	
Dieldrin	0.58	2.0	ND	
Endrin	0.86	2.0	ND	
4,4'-DDD	0.76	2.0	ND	
Endosulfan II	0.82	2.0	ND	
4,4'-DDT	0.67	2.0	ND	
Endrin aldehyde	0.46	2.0	ND	
Endosulfan sulfate	0.58	2.0	ND	
Methoxychlor	0.61	5.0	ND	
Endrin Ketone	0.58	2.0	ND	
Chlordane	10	20	ND	
Toxaphene	8.2	100	ND	
TCMX (S)			99.7	
DCBP (S)			92.7	

Work Order:	1604069	**Prep Method:**	3050	**Prep Date:**	04/13/16	**Prep Batch:**	16845
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	04/13/16	**Analytical Batch:**	429665
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Arsenic	0.25	1.7	ND	

Torrent LABORATORY, INC.

MB Summary Report

Work Order:	1604069	**Prep Method:**	3546_OCP	**Prep Date:**	04/13/16	**Prep Batch:**	16847
Matrix:	Soil	**Analytical Method:**	SW8081A	**Analyzed Date:**	04/13/16	**Analytical Batch:**	429672
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
alpha-BHC	0.61	2.0	ND		
gamma-BHC	0.61	2.0	ND		
beta-BHC	0.56	2.0	ND		
delta-BHC	0.40	2.0	ND		
Heptachlor	0.79	2.0	ND		
Aldrin	0.81	2.0	ND		
Heptachlor epoxide	0.36	2.0	ND		
gamma-Chlordane	0.79	2.0	ND		
alpha-Chlordane	0.94	2.0	ND		
Endosulfan I	0.64	2.0	ND		
4,4'-DDE	0.51	2.0	ND		
Dieldrin	0.58	2.0	ND		
Endrin	0.86	2.0	ND		
4,4'-DDD	0.76	2.0	ND		
Endosulfan II	0.82	2.0	ND		
4,4'-DDT	0.67	2.0	ND		
Endrin aldehyde	0.46	2.0	ND		
Endosulfan sulfate	0.58	2.0	ND		
Methoxychlor	0.61	5.0	ND		
Endrin Ketone	0.58	2.0	ND		
Chlordane	10	20	ND		
Toxaphene	8.2	100	ND		
TCMX (S)			98.7		
DCBP (S)			90.7		

Torrent LABORATORY, INC.

LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1604069	**Prep Method:**	3546_OCP	**Prep Date:**	04/11/16	**Prep Batch:**	16830
Matrix:	Soil	**Analytical Method:**	SW8081A	**Analyzed Date:**	04/12/16	**Analytical Batch:**	429655
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	0.61	2.0	ND	40	99.0	107	7.62	56.9 - 120	30	
Heptachlor	0.79	2.0	ND	40	106	107	0.789	63.6 - 117	30	
Aldrin	0.81	2.0	ND	40	95.8	103	7.64	53 - 123	30	
Dieldrin	0.58	2.0	ND	40	99.4	105	5.61	44 - 130	30	
Endrin	0.86	2.0	ND	40	103	108	4.28	44.1 - 121	30	
4,4'-DDT	0.67	2.0	ND	40	105	113	7.41	52.8 - 134	30	
TCMX (S)			ND	100	95.5	102		52.5 - 139		
DCBP (S)			ND	100	92.8	101		50.2 - 139		

Work Order:	1604069	**Prep Method:**	3050	**Prep Date:**	04/13/16	**Prep Batch:**	16845
Matrix:	Soil	**Analytical Method:**	SW6010B	**Analyzed Date:**	04/13/16	**Analytical Batch:**	429665
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	0.25	1.7	ND	50	97.6	99.6	2.01	71 - 121	30	

Work Order:	1604069	**Prep Method:**	3546_OCP	**Prep Date:**	04/13/16	**Prep Batch:**	16847
Matrix:	Soil	**Analytical Method:**	SW8081A	**Analyzed Date:**	04/13/16	**Analytical Batch:**	429672
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	0.61	2.0	ND	40	100	99.3	0.698	56.9 - 120	30	
Heptachlor	0.79	2.0	ND	40	100	98.1	2.35	63.6 - 117	30	
Aldrin	0.81	2.0	ND	40	97.4	96.9	0.587	53 - 123	30	
Dieldrin	0.58	2.0	ND	40	98.2	98.4	0.167	44 - 130	30	
Endrin	0.86	2.0	ND	40	98.9	99.1	0.195	44.1 - 121	30	
4,4'-DDT	0.67	2.0	ND	40	103	105	1.45	52.8 - 134	30	
TCMX (S)			ND	100	96.3	95.6		52.5 - 139		
DCBP (S)			ND	100	90.9	90.5		50.2 - 139		

Torrent LABORATORY, INC.

MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1604069	**Prep Method:**	3050	**Prep Date:**	04/13/16	**Prep Batch:**	16845
Matrix:	**Soil**	**Analytical Method:**	SW6010B	**Analyzed Date:**	04/13/16	**Analytical Batch:**	429665
Spiked Sample:	1604069-001A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Arsenic	0.25	1.7	0.18	50	95.8	94.5	1.32	71 - 121	30	

Work Order:	1604069	**Prep Method:**	3546_OCP	**Prep Date:**	04/13/16	**Prep Batch:**	16847
Matrix:	**Soil**	**Analytical Method:**	SW8081A	**Analyzed Date:**	04/13/16	**Analytical Batch:**	429672
Spiked Sample:	1604069-021A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Aldrin	0.81	2.0	0	40	87.5	86.4	1.17	53 - 123	30	
gamma-BHC	0.61	2.0	0	40	85.4	85.0	0.374	56.9 - 120	30	
Heptachlor	0.79	2.0	0	40	88.1	85.2	3.32	63.6 - 117	30	
Dieldrin	0.58	2.0	2.4658	40	88.3	85.8	2.65	44 - 130	30	
Endrin	0.86	2.0	0	40	84.5	82.8	2.14	44.1 - 121	30	
4,4'-DDT	0.67	2.0	3.7332	40	84.3	83.8	0.484	52.8 - 134	30	
TCMX (S)				100	91.9	88.8		52.5 - 139	,"	
DCBP (S)				100	87.8	81.2		50.2 - 139	,"	

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 (PQL) - 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 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 anlayte 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
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.

Sample Receipt Checklist

Client Name: Engeo (San Ramon)

Project Name: Jamison Way

Work Order No.: 1604069

Date and Time Received: 4/11/2016 16:07

Received By: ldi

Physically Logged By: ldi

Checklist Completed By: ldi

Carrier Name: FedEx

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes			
Container/Temp Blank temperature in compliance?	Yes	Temperature:	3	°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

Torrent LABORATORY, INC.

Login Summary Report

Client ID: TL5123 Engeo (San Ramon)
Project Name: Jamison Way
Project # : 12854.000.000
Report Due Date: 4/14/2016

QC Level:
TAT Requested: 3 day:25
Date Received: 4/11/2016
Time Received: 16:07

Comments:

Work Order # : ***1604069***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1604069-001A	A1 @ 3-9"	04/11/16 8:45	Soil	10/08/16			S_6010BAs/Pb Homogenize S_8081AOCP	
Sample Note:	Arsenic & OCPs							
1604069-002A	A1 @ 12-18"	04/11/16 8:50	Soil	10/08/16			S_6010BAs/Pb S_8081AOCP Homogenize	
1604069-003A	A1 @ 18-24"	04/11/16 8:55	Soil	10/08/16			Hold Samples	
1604069-004A	A2 @ 3-9"	04/11/16 11:10	Soil	10/08/16			S_6010BAs/Pb Homogenize S_8081AOCP	
1604069-005A	A3 @ 3-9"	04/11/16 9:00	Soil	10/08/16			S_6010BAs/Pb S_8081AOCP Homogenize	
1604069-006A	A3 @ 12-18"	04/11/16 9:05	Soil	10/08/16			S_6010BAs/Pb Homogenize S_8081AOCP	
1604069-007A	A3 @ 18-24"	04/11/16 9:10	Soil	10/08/16			Hold Samples	
1604069-008A	A4 @ 3-9"	04/11/16 9:45	Soil	10/08/16			S_6010BAs/Pb Homogenize S_8081AOCP	
1604069-009A	A4 @ 12-18"	04/11/16 9:46	Soil	10/08/16			S_6010BAs/Pb Homogenize S_8081AOCP	
1604069-010A	A4 @ 18-24"	04/11/16 9:47	Soil	10/08/16			Hold Samples	
1604069-011A	A5 @ 3-9"	04/11/16 10:00	Soil	10/08/16				

Torrent LABORATORY, INC.

Login Summary Report

Client ID: TL5123 Engeo (San Ramon)
Project Name: Jamison Way
Project # : 12854.000.000
Report Due Date: 4/14/2016

QC Level:
TAT Requested: 3 day:25
Date Received: 4/11/2016
Time Received: 16:07

Comments:

Work Order # : ***1604069***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1604069-012A	A6 @ 3-9"	04/11/16 10:05	Soil	10/08/16			S_6010BAs/Pb S_8081AOCP Homogenize	
1604069-013A	A6 @ 12-18"	04/11/16 10:10	Soil	10/08/16			S_6010BAs/Pb S_8081AOCP Homogenize	
1604069-014A	A6 @ 18-24"	04/11/16 10:15	Soil	10/08/16			S_6010BAs/Pb S_8081AOCP Homogenize	
1604069-015A	A7 @ 3-9"	04/11/16 10:25	Soil	10/08/16			Hold Samples	
1604069-016A	A8 @ 3-9"	04/11/16 10:30	Soil	10/08/16			S_6010BAs/Pb S_8081AOCP Homogenize	
1604069-017A	A9 @ 3-9"	04/11/16 10:35	Soil	10/08/16			S_6010BAs/Pb S_8081AOCP Homogenize	
1604069-018A	A9 @ 12-18"	04/11/16 10:40	Soil	10/08/16			S_6010BAs/Pb S_8081AOCP Homogenize	
1604069-019A	A9 @ 18-24"	04/11/16 10:45	Soil	10/08/16			Hold Samples	
1604069-020A	A10@ 3-9"	04/11/16 10:50	Soil	10/08/16			S_6010BAs/Pb Homogenize S_8081AOCP	
1604069-021A	A10 @ 12-18"	04/11/16 10:55	Soil	10/08/16			S_6010BAs/Pb	

Login Summary Report

Client ID:	TL5123	Engeo (San Ramon)	**QC Level:**	
Project Name:	Jamison Way		**TAT Requested:**	3 day:25
Project # :	12854.000.000		**Date Received:**	4/11/2016
Report Due Date:	4/14/2016		**Time Received:**	16:07

Comments:

Work Order # : ***1604069***

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
1604069-022A	A10 @ 18-24"	04/11/16 11:00	Soil	10/08/16			S_8081AOCP Homogenize Hold Samples	

Torrent LABORATORY, INC.

CHAIN OF CUSTODY RECORD

16 04069

PROJECT NUMBER 12854.000.000 | PROJECT NAME Jamison Way

SAMPLED BY: (SIGNATURE/PRINT) Kelsey Gerhart, Hilary Mann

PROJECT MANAGER: (SIGNATURE/PRINT)

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

SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	Pesticides (8081)	Arsenic (6010)									REMARKS REQUIRED DETECTION LIMITS
A1 @3-9"	4/11/2016	8:45	Soil	1	Jar	.	x	x				-001A					Homogenize
A1@12-18"	4/11/2016	8:50	Soil	1	Jar	.	x	x				-002A					
A1@18"-24"	4/11/2016	8:55	Soil	1	Jar	.						-003A					HOLD
A2@3-9"	4/11/2016	11:10	Soil	1	Jar	.	x	x				-004A					
A3@3-9"	4/11/2016	9:00	Soil	1	Jar	.	x	x				-005A					
A3@12-18"	4/11/2016	9:05	Soil	1	Jar	.	x	x				-006A					
A3@18-24"	4/11/2016	9:10	Soil	1	Jar	.						-007A					HOLD
A4@3-9"	4/11/2016	9:45	Soil	1	Jar	.	x	x				-008A					
A4@12-18"	4/11/2016	9:46	Soil	1	Jar	.	x	x				-009A					
A4@18-24"	4/11/2016	9:47	Soil	1	Jar	.						-010A					HOLD
A5@3-9"	4/11/2016	10:00	Soil	1	Jar	.	x	x				-011A					
A6@3-9"	4/11/2016	10:05	Soil	1	Jar	.	x	x				-012A					
A6@12-18"	4/11/2016	10:10	Soil	1	Jar		x	x				-013A					
A6@18-24"	4/11/2016	10:15	Soil	1	Jar							-014A					HOLD
A7@3-9"	4/11/2016	10:25	Soil	1	Jar		x	x				-015A					
A8@3-9"	4/11/2016	10:30	Soil	1	Jar		x	x				-016A					
A9@3-9"	4/11/2016	10:35	Soil	1	Jar		x	x				-017A					
A9@12-18"	4/11/2016	10:40	Soil	1	Jar		x	x				-018A					
A9@18-24"	4/11/2016	10:45:00	Soil	1	Jar							-019A					HOLD

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
Kelsey Gerhart	4/11/16 13:00			
Jackie Schuyler	4/11/16 3:28			
	4/11/16 4:07	RECEIVED FOR LABORATORY B		

REMARKS
- Please Hold Paper Samples (18-24")
- Please Homogenize all analyzed Samples

Temp 3°C

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT; COPY TO PROJECT FIELD FILES

Rec'd 4-11-16 16:07

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

Torrent LABORATORY, INC.

1604069
1604068 4/11/16

CHAIN OF CUSTODY RECORD

PROJECT NUMBER 12854.000.000 | PROJECT NAME Jamison Way

SAMPLED BY: (SIGNATURE/PRINT) Kelsey Gerhart, Hilary Mann

PROJECT MANAGER: (SIGNATURE/PRINT)

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

SAMPLE NUMBER	DATE	TIME	MATRIX	NUMBER OF CONTAINERS	CONTAINER SIZE	PRESERVATIVE	Pesticides (8081)	Arsenic (6010)										REMARKS REQUIRED DETECTION LIMITS
A10 @3-9"	4/11/2016	10:50	Soil	1	Jar	-	x	x			001A			-020				Homogenize
A10 @12-18"	4/11/2016	10:55	Soil	1	Jar	-	x	x			002A			-021				
A10 @18"-24"	4/11/2016	11:00	Soil	1	Jar	-					003A			-022				HOLD

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
Kelsey Gerhart	4/11/16 13:00			
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)
Jackie Schuyler	4/11/16 3:28			
RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY:	REMARKS	
	4/11/16 4:07		• Please Hold Deeper Samples (18-24") • Please Homogenize all analytes	

DISTRIBUTION: ORIGINAL ACCOMPANIES SHIPMENT; COPY TO PROJECT FIELD FILES

ENGEO INCORPORATED

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

Rec'd by i.D. Imboat 4/11/16 16:07 Samples Temp 3°C