Leighton and Associates, Inc.
A LEIGHTON GROUP COMPANY

April 30, 2015

Project Number: 10618.005

San Diego Department of Environmental Health
Hazardous Materials Division
P.O. Box 129261
San Diego, CA 92112-9261

Attention: Mr. Brad Long, EHS III

Subject: Report of Removal of Abandoned Above Ground Storage Tank, San Diego Department of Environmental Health Record # DEH2014-HHIRT-001443, Assessor Parcel Number 178-101-16, San Marco, California

INTRODUCTION

On behalf of Newland Sierra, LLC (Newland), Leighton and Associates, Inc., (Leighton) is pleased to present this report documenting the actions taken to address the removal of an abandoned above ground storage tank (AST) located on Assessor Parcel Number 178-101-16 in San Marco, California (Figure 1 Site Location Map). This letter provides the details of the disposal actions completed to address the AST as well as copies of the waste characterization and manifest documents verifying the non-hazardous nature of the materials being disposed.

BACKGROUND

In January 2015, Newland received an "Official Notice" (Record # DEH2014-HHIRT-001443) from the San Diego Department of Environmental Health (DEH) stating that on December 22, 2014, a representative from DEH observed an AST located on Assessor Parcel Number 178-101-16 in San Marco, California. As stated in the notice, the AST was located in open space (undeveloped land) approximately 1 mile past the end of Joni Lane and was on its side and appeared to have lost several gallons of oil. The DEH health specialist performed field tests which confirmed that the used oil portion of the contents remaining in the AST was non-chlorinated used oil. The notice stated that the owner of the subject site is responsible for removing the AST and any appurtenances

and the associated stained soil in accordance with regulatory requirements. A copy of the official notice from DEH is attached to this report.

Leighton was contracted by Newland (property owner) to provide environmental consulting services associated with the removal of the AST and associated impacted materials under the review and approval of the DEH.

AST REMOVAL AND DISPOSAL OPERATIONS

On February 5, 2015 a representative of Leighton was onsite to observe the removal of the contents of the AST as well as the removal of the AST itself. A representative of the San Marcos Fire Department (SMFD) was also present at the site to confirm the removal of the AST under SMFD Permit # FIRE15-00084. A copy of the SMFD Field Inspection Record is attached with this report. Approximately 70 gallons of used oil and 25 gallons of rinseate was removed from the 250 gallon tank and stored in US Department of Transportation (DOT) approved 55-gallon steel drums pending results of laboratory analyses for waste characterization and disposal. The liquid wastes were identified as “Non-RCRA Hazardous Wastes, Liquid (oily water)” and transported under Uniform Hazardous Waste Manifest (manifest) #011174631 JJK by Pacific Trans Environmental Services, Inc., to the U.S. Ecology facility located at Highway 95, 12 miles South of Beatty, NV 89003. A copy of the waste manifest is attached with this report. The AST was purged of potentially flammable vapors using 5-lbs of dry ice and the lower explosive level (LEL) of the tank atmosphere measured prior to disposal. The LEL was measure and documented as 0% by the SMFD prior to removal and disposal of the AST from the site. The single walled, welded steel, AST was removed by truck from the site for recycling at Pacific Steel Inc. (PSI) located at 1700 Cleveland Avenue, National City, CA, 91950 under Certificate Number 174083. A copy of the PSI weighmaster certificate is attached with this report.

On February 6, 2015 removal of visually impacted soil materials was completed under the direction of a Leighton representative utilizing a tracked excavator and tracked skid steer tractor. Based on discussion with Mr. Brad Long, the DEH Environmental Specialist for the project, it was advised that removals of the impacted soil materials should extend until all visual indications of soil impact were removed. Removal operations were completed until no obvious signs of visual impacts were observed by Leighton personnel at the site. Representative site photographs depicting the soil conditions encountered during the excavation are attached with this report. Approximately 23 tons (± 14 cubic yards) of potentially impacted soil material was removed from the area previously identified by the DEH environmental specialist where

the AST was previously located. Due to the difficulty associated with accessing the location of the impacted soil material with a dump truck, the soil materials were temporarily stockpiled onsite at a location more easily accessible for subsequent sampling and offsite disposal. The stockpiled soil materials were sampled and laboratory analyses completed in order to characterize the material for offsite disposal. Laboratory analyses indicated that the materials could be characterized as “Non-hazardous petroleum contaminated soil (Diesel and Waste Oil). The soil material has been accepted for disposal under special waste profile # 4531-15-4607at the Republic Services facility located at 1700 Maxwell Rd, Chula Vista, CA 91911. A copy of the Republic Services Special Waste Profile and waste transport manifest are attached with this report. Copies of the laboratory data used to profile the waste materials are attached with this report.

On behalf of Newland Sierra, LLC, Leighton Consulting, Inc. is respectfully requesting that based on the results of the removal and disposal actions detailed in this report, DEH provide written closure of this matter.

Please do not hesitate to contact the undersigned should you have any questions or comments.

Respectfully submitted,

LEIGHTON AND ASSOCIATES, INC.

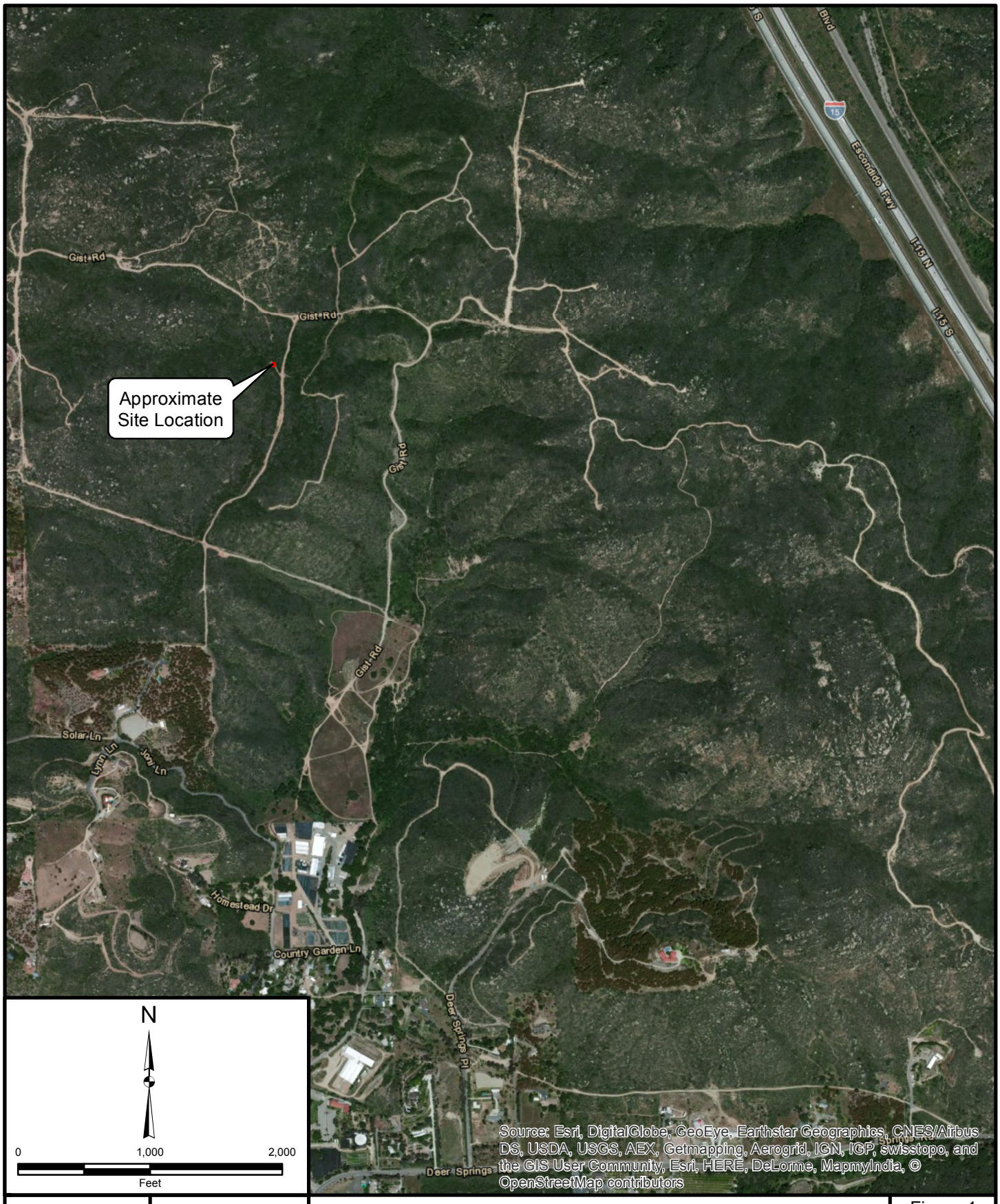
Kevin Bryan, PG, CEG
Senior Principal Geologist

Bryan Voss, PG
Project Geologist

Figure - Figure 1 Site Location Map

Attachments: Site Photographs
DEH Official Notice
SMFD Field Inspection Record
PSI Weighmaster Certificate
Republic Services Special Waste Profile
Waste Manifests
Laboratory Data

Distribution: (1) Addressee via email, brad.long@sdcounty.ca.gov
(1) Newland Real Estate Group Attn: Ms. Rita Brandin



Project: 10618.005	Eng/Geol: BEV
Scale: 1 " = 1,000 '	Date: April 2015

Base Map: ESRI ArcGIS Online 2015
Thematic Information: Leighton
Author: (mmurphy)

SITE LOCATION MAP

Newland Sierra, LLC
APN 178-101-16
San Marcos, California

Figure 1

Leighton

Map Saved as V:\drafting\10618\005\Maps\10618-005_F01_SLM_2015-04-30.mxd on 4/30/2015 2:27:05 PM

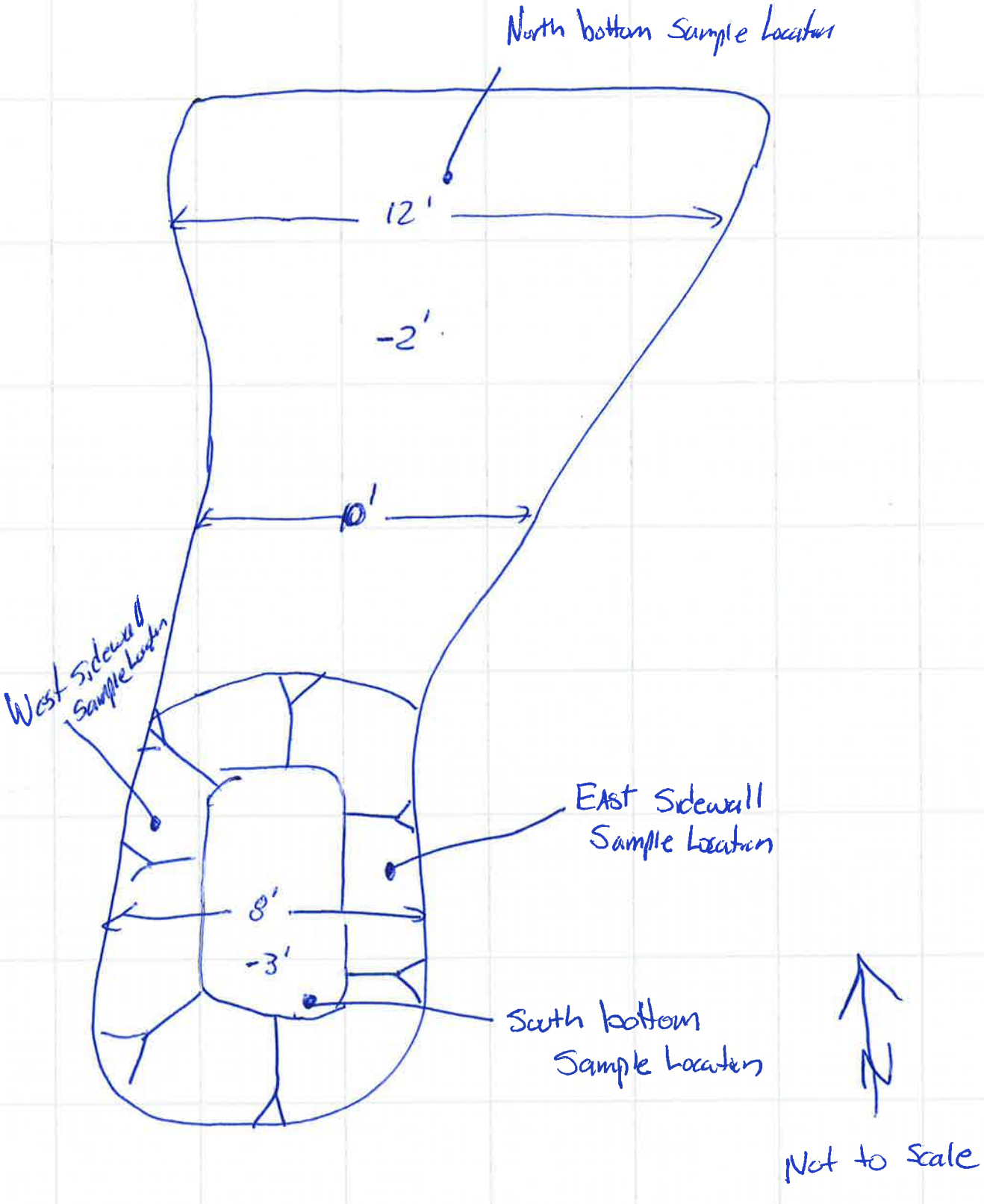
Leighton

Description: Sample Location of AST removal.

Project Name: Newland Street

Project No.: 10618.005

Date 2/6/15 By: BV Page 1 of 1



SITE PHOTOGRAPHS

Leighton Consulting, Inc.	**PHOTOGRAPHIC RECORD** **February 5, 2015**	
Client Name: **Newland Sierra, LLC**	**Site Location:** **APN 178-101-16, San Marcos, CA**	**Project No.** **10618.005**

Photo No. 1 **View Direction of Photo:** Northwest **Description:** View of triple rinsing the AST.	

Photo No. 2 **View Direction of Photo:** Northwest **Description:** View of AST, used oil, and rinseate 55-gallon drums loaded on trailer for disposal.	

Leighton Consulting, Inc.	**PHOTOGRAPHIC RECORD** **February 5, 2015**	
Client Name: **Newland Sierra, LLC**	**Site Location:** **APN 178-101-16, San Marcos, CA**	**Project No.** **10618.005**

Photo No. 3 **View Direction of Photo:** North **Description:** View of the excavation limits. Note: no visible stained soil was observed in the sidewall and bottom excavations.	

Photo No. 4 **View Direction of Photo:** South **Description:** View of the excavation limits. Note: no visible stained soil was observed in the sidewall and bottom excavations.	

DEH OFFICIAL NOTICE

COUNTY OF SAN DIEGO

OFFICIAL NOTICE ~~NOTICE OF VIOLATION~~

PAGE 1 OF 2 DATE 12/23/2014
RECORD # DEH2014-HHIRT-001443
TIME START ____ END ____
SPECIALIST B Long
INSPECTION CONTACT
TITLE EHS III
PHONE 858-505-6852

FACILITY NAME APN 175-101-1000
ADDRESS N of Joni RD, San Marcos, Ca 92069
CITY/ZIP /

OWNER'S NAME NEWLAND SIERRA L L C PHONE ____
OWNER'S ADDRESS 9820 TOWNE CENTRE DR #100*SAN DIEGO CA\, CITY/ZIP / 92121

On the above date, the County inspected your business/facility/property under the authority of the California Health and Safety Code (H&SC), to determine compliance with applicable provisions of the H&SC, the California Code of Regulations (CCR), and the San Diego County Code of Regulatory Ordinances (SDCC). **The following statements describe conditions which are violations of the law or that require further investigation.** These observations require a formal response or immediate corrective action be taken, or both. Failure to correct violations or to provide information requested in a timely manner may be a factor in determining the course of further legal action.

On December 22 at approximately 9 AM DEH HIRT investigated the abandon above ground storage tank. The tank was abandoned in an open space approximately 1 mile past the end of Joni Lane in San Marcos, see Map. The tank was on its side and appeared to have lost several gallons of used oil. The tank was upbraided a sample of the contents collected and field tested. The tank contains approximately 35 gallon of used oil and water. Field testing indicated that the used oil portion of the contents was non-chlorinated used oil. The openings in the tank were secured to prevent rain water intrusion, and further release. Based on the location of a tank and soil staining it appears the tank was abandon sometime in the past two years. No markings on the tank were found to indicate who the responsible party, was or who owns the tank. The tank was marked with the contents of the letter will be sent to the property owner for removal of the tank, tank contents and contaminated soil.

Be Advised:

- Waste oil has been defined as a hazardous waste; Health and Safety code Section 25189(d).
- The property owner is ultimately responsible for any hazardous substances that are stored or discharged there. This is in accordance with Title 42 of the United States Code, Section 9607.
- You may self-haul the hazardous waste (Used Oil and Water) to a House Hold hazardous Waste facility; see the attached curtesy list for your Community. Call to get approval.
- For disposal of the contaminated soils you will likely need assistance of a Registered Hazardous Waste Hauler/Cleanup contractor See the attached curtesy list for companies. You may need an EPA I\D number see the attached handout for guidance. Also included is a handout for General hazardous waste requirements.
- Once the tanks us completely empty it may be re-sued of disposed of as scrap metal.

Specialist should verify the identification of facility representative using a standard form of ID (e.g., CDL#, CA ID# or DOB).

PRINTED NAME OF FACILITY REPRESENTATIVE ____ DATE SIGNED ____

SIGNATURE OF FACILITY REPRESENTATIVE ____ TITLE OF FACILITY REPRESENTATIVE ____

X

SIGNATURE OF ENVIRONMENTAL HEALTH SPECIALIST Brad Long Brad Long DATE SIGNED 12/23/14

You must submit a written response within 30 days (or as specified) addressing all violations noted. The written response must demonstrate all violations have been corrected or include a written notice of disagreement that clearly states the reason for any disputed violations. The County may initiate formal enforcement action including the imposition of substantial penalties for any significant violations addressed in this notice. Any violations that are not promptly corrected will result in liability for additional days in violation and additional penalties. Any failure to provide the information requested will also be a factor in determining penalties. For these purposes, "significant violations" include violations that represent a significant threat to human health or safety or the environment, chronic violations, violations committed by a recalcitrant violator and Class I hazardous waste violations (CCR 66260.10 and H&SC 25110.8.5).

Department of Environmental Health, Hazardous Materials Division, P.O. Box 129261, San Diego, CA 92112-9261
Phone: (858) 505-6880 Toll Free: (800) 253-9933 http://www.sdcdeh.org

COUNTY OF SAN DIEGO

SUPPLEMENTAL COMPLIANCE INSPECTION REPORT

PERMIT # DEH2014-HHIRT-001443
DATE 12/23/2014

FACILITY ADDRESS: N of Joni RD, San Marcos, Ca 92069 ZIP CODE: _____

Corrective Action:

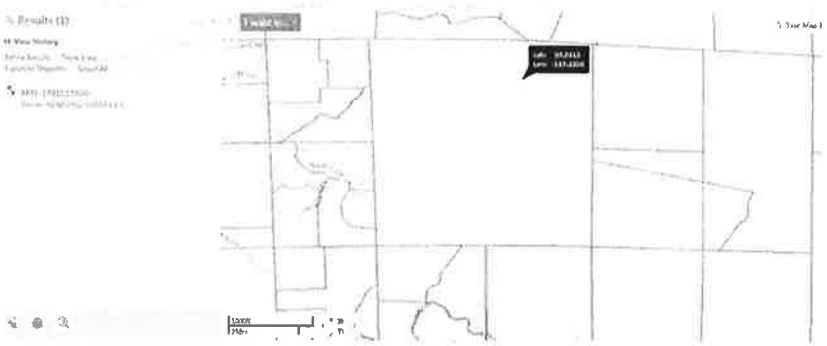
- Within 5 Days sign and return a copy of this Official Notice, to acknowledge receipt.
- Within 30 days remove the tank and properly dispose of the contents (Used Oil and Water) as Hazardous Waste.
- Within 10 days of disposal of the used oil and contaminated soils as a hazardous waste, send a copy of the Hazardous Waste Manifests or a letter documenting how the waste was disposed of, to this office attention Brad long.

If you have any difficulty in locating an appropriate disposal site for your wastes, or if you have any questions concerning this matter, please call this office Monday through Friday from 9:00 a.m. to 4:00 p.m. at (858) 505-6852.

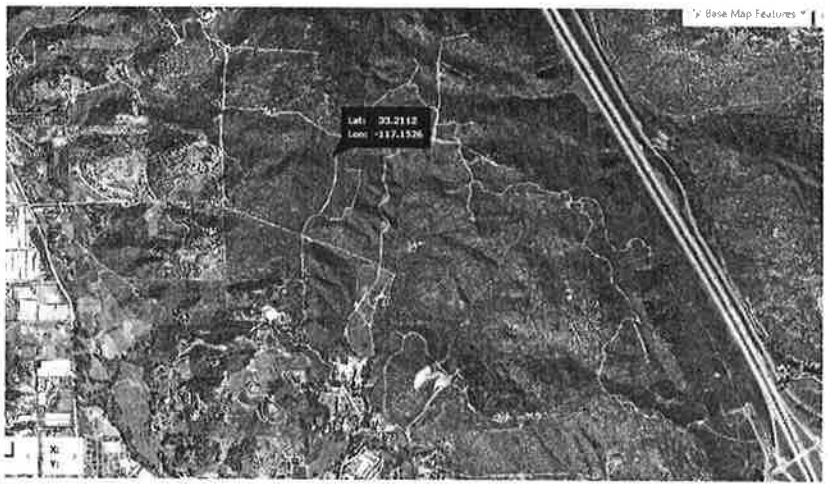
SIGNATURE OF FACILITY REPRESENTATIVE **DATE SIGNED** **TITLE OF FACILITY REPRESENTATIVE**

DEH2014-HHIRT-001443 On December 22 at approximately 9 AM DEH HIRT investigated the abandon above ground storage tank. The tank was abandoned in an open space approximately 1 mile past the end of Joni Lane in San Marcos, see Map. The tank was on its side and appeared to have lost several gallons of used oil. The tank was upbraided a sample of the contents collected and field tested. The tank contains approximately 35 gallon of used oil and water. Field testing indicated that the used oil portion of the contents was non-chlorinated used oil. The openings in the tank were secured to prevent rain water intrusion, and further release. Based on the location of a tank and soil staining it appears the tank was abandon sometime in the past two years. No markings on the tank were found to indicate who the responsible party, was or who owns the tank. The tank was marked with the contents of the letter will be sent to the property owner for removal of the tank, tank contents and contaminated soil.

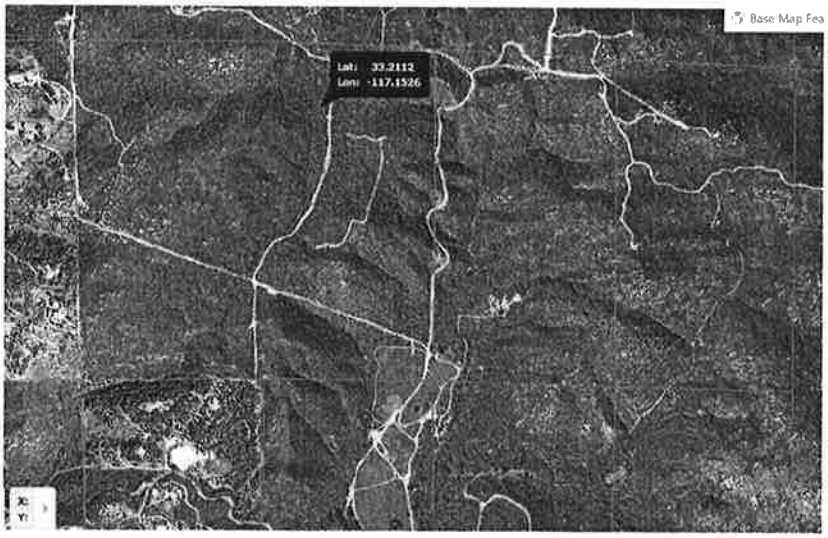
Photos By Brad Long



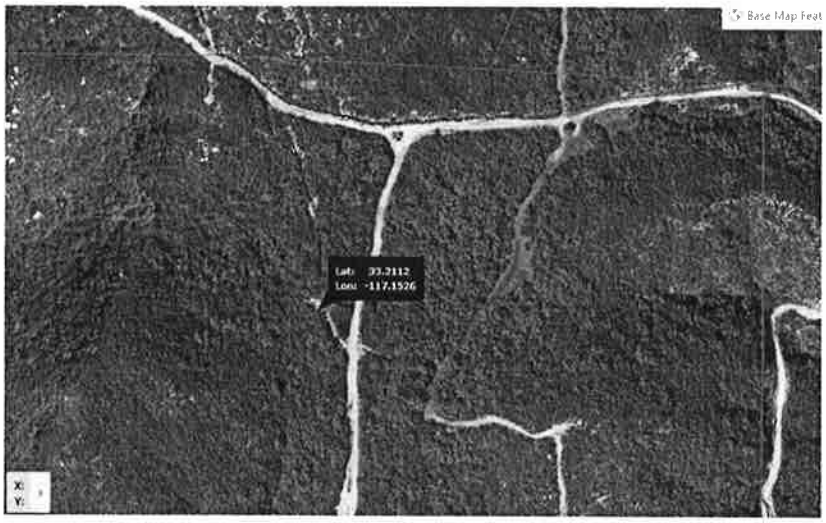
oVERVIEW



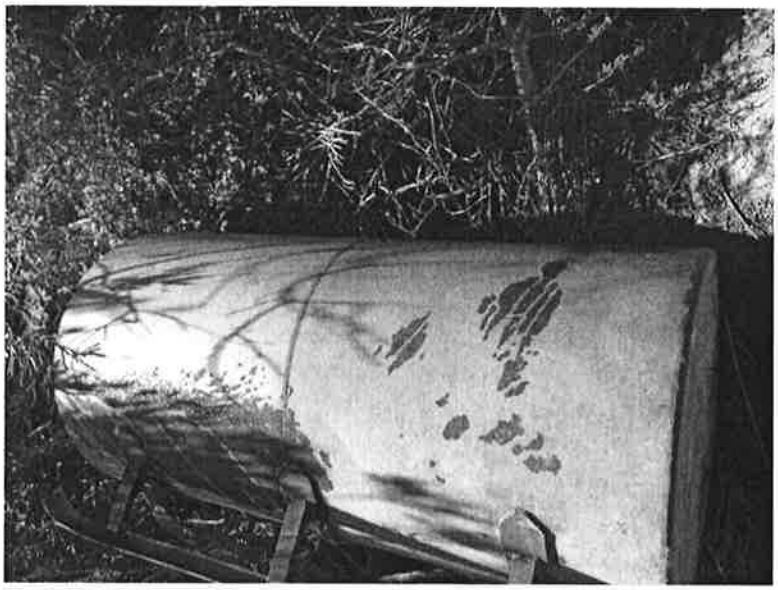
oVERVIEW 1



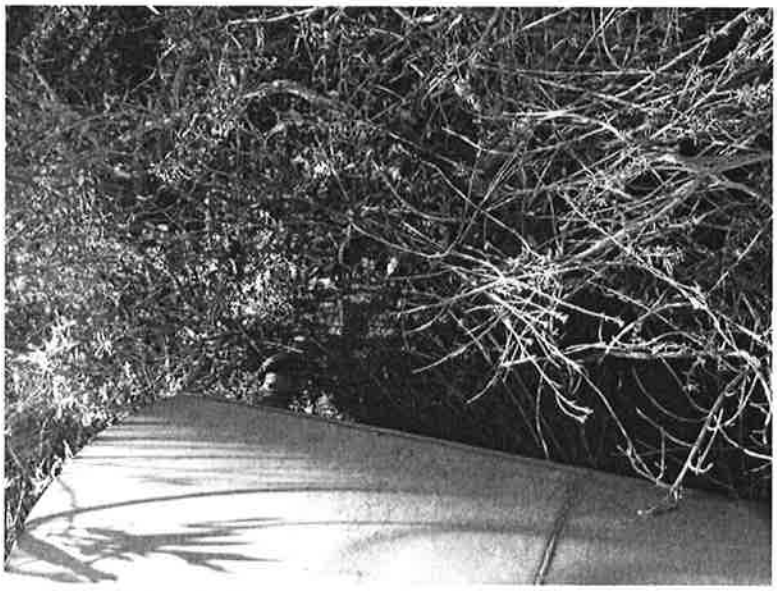
oVERVIEW 3



oVERVIEW 4- Marked the turnoff with Caution Tape

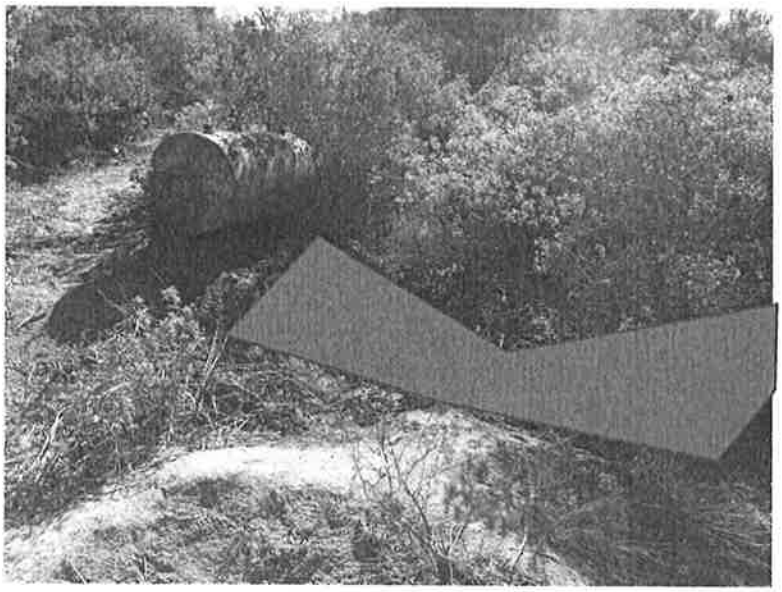


Tank, as found



Tank, as found with two open ports, stained soil shows release.

Tank was uprighted and the openings were secured



Area of contaminated soils

IMG_0999

Field Test Results- show the oil does not contain chlorinated solvents

SMFD FIELD INSPECTION RECORD

San Marcos
Fire Department

Inspection Line:
760-744-1050 ext 3408
or
www.san-marcos.net

ADDRESS: 0 GIST RD
OWNER: NEWLAND SIERRA L L C
TYPE: FIRE
DESCRIPTION OF WORK:
ABOVE GROUND TANK REMOVAL

PERMIT #: FIRE15-00084

FIELD INSPECTION RECORD

	Inspector	Date		Inspector	Date		Inspector	Date
UNDERGROUND			**FIRE SPRINKLER**			**FIRE ALARM**		
Thrust Block			Sprinkler Hydro			Alarm Rough Wiring		
Underground Hydro			Final Sprinkler			Final Fire Alarm		
Underground Flush			Over Head TI					
Final Underground			Final Sprinkler TI					
SPECIAL SUPPRESSION			**OTHER**					
Hood Acceptance Test			ABOVE GROUND TANK		2-5-15			
Other								

NOTES

250 GALLON TANK
2-5-15

SUBS DRY ICE
REMOVED @ 70 GALLONS USED OIL
@ 25 GALLONS RINSE AID
ICE @ 1 METER

PSI WEIGHMASTER CERTIFICATES

This is to certify that the following described commodity was weighed, measured, or counted by a Weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (Commencing with section 12700) of Division 5 of the California Business and Professions code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER CERTIFICATE

PACIFIC STEEL INC.

1700 CLEVELAND AVENUE
NATIONAL CITY, CALIFORNIA 91950
(619) 474-7081

PEDDLERSD
JOSHUA SCOTT FIELD
374 HEVX ST

SPRING VALLEY CA 91977

DATE: 02/05/2015 01:56:25 PM

VENDOR REFERENCE: 7N30027

TICKET NUMBER: 207879

CONTRACT NUMBER: 207879

CERTIFICATE NUMBER: 174083

COMMODITY	DESCRIPTION	GROSS lbs.	TARE lbs.	NET lbs.	PRICE	AMOUNT
HMSU#1SD	HSM # 1 UNPREPARED	11,180	10,800	380	100.00 / NT	19.00
			Totals	380		19.00

WEIGHMASTER: _____

NT = Net Ton = 2000 lbs. • GT = Gross Ton = 2240 lbs. • MT = Metric Ton = 2204.6 lbs.

I HEREBY CERTIFY THAT I AM THE LAWFUL OWNER OF THE ABOVE MATERIAL, AND THIS MATERIAL IS FREE OF ENCUMBRANCES AND THAT I AM OF LEGAL AGE.

ACCEPTED: _____
CUSTOMER SIGNATURE

REPUBLIC SERVICES SPECIAL WASTE PROFILE

REPUBLIC SERVICES **SPECIAL WASTE PROFILE**

Requested Disposal Facility: 4531 Otay LF CA

Waste Profile #

Saveable fill-in form. Restricted printing until all required (yellow) fields are completed.

Sales Rep #:

I. Generator Information

Generator Name: Newland Sierra, LLC			
Generator Site Address: APN: 178-101-1600 | N. or Joni Rd.			
City: San Marcos	County: San Diego	State: California	Zip: 92069
State ID/Reg No:	State Approval/Waste Code: (if applicable)		NAICS # :
Generator Mailing Address (if different): ☑ 9820 Towne Center Drive, Suite 100			
City: San Diego	County: San Diego	State: California	Zip: 92121
Generator Contact Name: Rita G. Brandin		Email: rbrandin@newlandco.com	
Phone Number: (858) 875-8219	Ext:	Fax Number:	

II. Billing Information

Bill To: Siboney Contracting Co.		Contact Name: Don Johnson	
Billing Address: 1450 Centrepark Blvd. Suite 100		Email: djohnson@siboneycc.com	
City: West Palm Beach	State: FL	Zip: 33401	Phone: (619) 990-4443

III. Waste Stream Information

Name of Waste:	Non-hazardous petroleum contaminated soil (Diesel and Waste Oil)
Process Generating Waste:	Waste soils generated from excavation. Source of contamination is suspected from above ground storage tanks (A.S.T.)
Type of Waste:	☐ INDUSTRIAL PROCESS WASTE ☑ POLLUTION CONTROL WASTE
Physical State:	☑ SOLID ☐ SEMI-SOLID ☐ POWDER ☐ LIQUID
Method of Shipment:	☑ BULK ☐ DRUM ☐ BAGGED ☐ OTHER:
Estimated Annual Volume:	100 Cubic Yards
Frequency:	☑ ONE TIME ☐ ONGOING
Disposal Consideration:	☑ LANDFILL ☐ SOLIDIFICATION ☐ BIOREMEDIATION

IV. Representative Sample Certification

☐ NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?	☑ YES or ☐ NO
Type of Sample: ☐ COMPOSITE SAMPLE ☑ GRAB SAMPLE	
Sample Date: 02/09/2015	
SP-1 to SP-4. 96-hour Fishbioassy conducted on SP-3 and SP-4.	

REPUBLIC SERVICES **SPECIAL WASTE PROFILE**

Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components	% by Weight (range)
1. Soil	99.999
2. Petroleum hydrocarbons: diesel and waste oil	0.001
3.	
4.	
5.	

Color	Odor (describe)	Does Waste Contain Free Liquids?	% Solids	pH:	Flash Point
Brown	None	☐ YES or ☑ NO	100	Neutral	N/A °F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Chain of Custody and Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	☐ Yes or ☑ No
Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm)[reference 40 CFR 261.23(a)(5)]?	☐ Yes or ☑ No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	☐ Yes or ☑ No
Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	☐ Yes or ☑ No
Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations?	☐ Yes or ☑ No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCCD), or any other dioxin as defined in 40 CFR 261.31?	☐ Yes or ☑ No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	☐ Yes or ☑ No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	☐ Yes or ☑ No
Is this waste a reactive or heat generating waste?	☐ Yes or ☑ No
Does the waste contain sulfur or sulfur by-products?	☐ Yes or ☑ No
Is this waste generated at a Federal Superfund Clean Up Site?	☐ Yes or ☑ No
Is this waste from a TSD facility, TSD like facility or consolidator?	☐ Yes or ☑ No

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services Inc.

Rita G. Brandin, Senior Vice President, Development Director	Newland Sierra, LLC
Authorized Representative Name And Title (Type or Print)	Company Name
Authorized Representative Signature	Date

REPUBLIC SERVICES

SPECIAL WASTE PROFILE – CHANGE

Saveable fill-in form. Restricted printing until all required (yellow) fields are completed.

I. Generator Information

This form may be used to request changes to an existing Special Waste Profile.			
Generator Name:	Newland Sierra, LLC		
Name of Waste:	Non-Haz petroleum contaminated soil	Waste Profile #	4531154607

II. Purpose of Change

Description of Change Requested and Reason for Change: (Provide detailed explanation of why the change is requested following the appropriate checked box below).

- ☐ Volume Increase By:
  Is the analysis originally submitted with the Profile representative of the volume Increase? ☐ Yes ☐ No If No, complete Section III, below.
- ☐ Extend Expiration Date:
- ☐ Change or Add Landfill:
- ☐ Add Additional Laboratory Reports: **Complete Representative Sample Certification, Section III, below.**
- ☐ Add MSDS:
- ☐ Generator Name Change:
- ☒ Other:
  Change billing information from: Siboney Contracting Company 1450 Centrepark Blvd., Suite 100, West Palm Beach, FL, Don Johnson 619-990-4443 djohnson@siboneycc.com to:
  Ace Excavating
  1020 Greenfield Dr., E1, El Cajon, CA 92021Larry Gillum 619-441-4900
  larry@ace.sdcoxmail.com

III. Representative Sample Certification

☒ No Sample Taken

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?	☐ YES or ☐ NO

Type of Sample: ☐ COMPOSITE SAMPLE ☐ GRAB SAMPLE

Sample Date:

Sample ID Numbers:

IV. Certification

I hereby certify that the waste and the process generating the waste are unchanged and are accurately represented in the original profile.

Rita G. Brandin, Sr. Vice President, Development Director	Newland Sierra, LLC
Authorized Representative Name and Title (Printed)	Company Name
Rita G. Brandin	3/30/15
Authorized Representative Signature	Date

WASTE MANIFESTS

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAC002802371	1	18004249300	011174631 JJK

GENERATOR

5. Generator's Name and Mailing Address
RITA G BRANDIN NEWLAND SIERRA LLC
9820 TOWNE CENTRE DR STE 100 SAN DIEGO, CALIFORNIA 92121
Generator's Phone: 858.875.8219

Generator's Site Address (if different than mailing address)
SITE OF PICK UP
NORTH OF JONI RD SAN MARCOS, CALIFORNIA 92069

6. Transporter 1 Company Name
PACIFIC TRANS ENV SERVICES INC
U.S. EPA ID Number
CAD981412356

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
U.S. ECOLOGY
HWY 95, 12 MILE SOUTH OF
BEATTY, NEVADA 89003
Facility's Phone: 800-239-3943
U.S. EPA ID Number
NVT330010000

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON-RCRA HAZARDOUS WASTE, LIQUID (OILY WATER)	002	DM	0700	P	NR 331
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. RITA/OILY WATER 2 x 55
EMERGENCY RESPONSE GUIDE:
1:N/A
WORK ORDER: 61778

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: ERIC MCWOOD AGENT FOR OWNER
Signature: ERIC MCWOOD
Month: 2 Day: 11 Year: 15

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: J. CUTBERTO MONTANO
Signature:
Month: 2 Day: 11 Year: 15

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H039			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: BRIANNA THOMPSON
Signature:
Month: 2 Day: 20 Year: 15

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

CERTIFICATE OF DISPOSAL

March 02,2015

RITA G BRANDIN NEWLAND SIERRA LLC
NORTH OF NONI RD
SAN MARCOS, CA 92121

This is to certify that waste as defined on Waste Manifest number **011174631JJK/011174631JJK** was received by U.S. Ecology, Inc., on **02/20/2015**.The waste(s) were subsequently treated, if required by 40 CFR Part 268 and U.S. Ecology's permits and disposed of by **02/24/2015** in accordance with permits and laws regulating this facility.

Reference Number: 15021901403-011174631JJK-1-1
Material: 2 55 GALLON DRUM
Process: Solidification

Facility: U.S. ECOLOGY NEVADA, INC.
HWY 95 11 MILES S. OF BEATTY
BEATTY, NV 89003
EPA ID: NVT330010000

Waste Type: NON-RCRA WASTE

Customer: PACIFIC TRANS ENV. SVCS.

Printed Name: REBECCA HOGABOAM

Signature: Rebecca Hogaboam

Title: COMPLIANCE MANAGER

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

2064983

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
NA	NA	1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Newland Sierra LLC APN 178: 178-101-1600 / N of Joni Rd San Marcos, CA 92069 858.875.8219 f. Phone:	9820 Towne Center Drive Suite 100 San Diego, CA 92121 g. Phone:
If owner of the generating facility differs from the generator, provide: Rita G Brahan h. Owner's Name:	858.875.8219 i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
4531 15 4607	3/24/2016	Non Hazardous TPH Containing Soil	1	RO	15	CY

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Bryan Voss	Bryan Voss	9/16/15

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Ace Excavating
1020 Greenfield Drive
El Cajon, CA 92021 619.441.4900
b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
R Pinkerton	R Pinkerton	9/16/15

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Otay Landfill, Inc. Ph# 619.421.3773 1700 Maxwell Road Chula Vista, CA 91911 MF Acct# 400164 Siboney b.	CAD982431793	12.02 TN 1254285 9/16/2015

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
NOT APPLICABLE b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REPUBLIC SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

-2064889

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
NA	NA	1

d. Generator's Name and Location:	e. Generator's Mailing Address:
Newland Sierra LLC APN 179 178-101-1600 | N of Joni Rd San Marcos, CA 92069 858 875 8219 f. Phone:	9820 Towne Center Drive Suite 100 San Diego, CA 92121 g. Phone:
If owner of the generating facility differs from the generator, provide: Rota G Brandin h. Owner's Name:	858 875 8219 i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
4531 15 4607	3/24/2016	Non Hazardous TPH Containing Soil	1	RO	15	CY

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Bryan Voss		4/16/15

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
Ace Excavating
1020 Greenfield Drive
El Cajon, CA 92021 619 441 4900
b. Phone:

c. Driver Name (Print)	d. Signature	e. Date
A Pinkerton		4/16/15

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Otay Landfill, Inc. Ph# 619 421 3773 1700 Maxwell Road Chula Vista, CA 91911 (LF Acct# 400164 Siboney) b.	CAD982431793	5,38 TN #1254524 4/16/15

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
NOT APPLICABLE b. Phone:	d. Phone:
e. Special Handling Instructions and Additional Information:	

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

LABORATORY DATA

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Supplemental Report 5

Additional requested analyses have been added to the original report.

WORK ORDER NUMBER: 15-02-0661

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: LEIGHTON AND ASSOCIATES, INC.

Client Project Name: Newland Sierra

Attention: Bryan Voss
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Approved for release on 03/18/2015 by:
Richard Villafania
Project Manager

ResultLink

Email your PM

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Contents

Client Project Name: Newland Sierra
Work Order Number: 15-02-0661

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Work Order Narrative

Work Order: 15-02-0661 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 02/09/15. They were assigned to Work Order 15-02-0661.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.		Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205		Work Order:	15-02-0661
San Diego, CA 92123-4425		Preparation:	N/A
		Method:	CA Fish and Game
Project: Newland Sierra			Page 1 of 2

Test Species:	Fathead Minnow (Pimephales Promelas)	Mean Length:	43 mm	Mean Weight:	0.46 g
Sample Collected:	02/09/15 07:15:00	Sample Received:	02/09/15 20:05:00		
Test Start:	03/13/15 18:00:00	Test End:	03/17/15 18:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.66 units	Conductivity:	900 umhos/cm
Dissolved Oxygen (D.O.):	7.2 mg/L	Alkanlinity:	186 mg/L
Hardness:	40 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-3	**15-02-0661-7**	**02/09/15**	**Solid**	**03/13/15**	**03/17/15 18:00:00**	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample analysis was performed after recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	24.20
Upper 95% confidence limit:	25.70
Lower 95% confidence limit:	22.80

SRT: Standard Reference Toxicant.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.		Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205		Work Order:	15-02-0661
San Diego, CA 92123-4425		Preparation:	N/A
		Method:	CA Fish and Game
Project: Newland Sierra			Page 2 of 2

Test Species:	Fathead Minnow (Pimephales Promelas)	Mean Length:	43 mm	Mean Weight:	0.47 g
Sample Collected:	02/09/15 07:30:00	Sample Received:	02/09/15 20:05:00		
Test Start:	02/23/15 19:00:00	Test End:	02/27/15 19:00:00		

Initial Water Quality Parameters

Residual Chlorine:	< 0.01 mg/L	Temperature:	19.8 °C
pH:	7.76 units	Conductivity:	910 umhos/cm
Dissolved Oxygen (D.O.):	7.18 mg/L	Alkanlinity:	192 mg/L
Hardness:	42 mg/L	Ammonia:	N/A

Sample Preparation

The sample was adjusted to test temperature.

Sample Adjustment During Analysis

No Supplemental aeration needed.

If needed, supplemental aeration to maintain required Dissolved Oxygen level is supplied via a low pressure oil-free pump connected to individual lines for each tank/chamber from a common manifold. Individual valves at each tank/chamber control the flow rate as required.

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-4	**15-02-0661-8**	**02/09/15**	**Solid**	**02/23/15**	**02/27/15 19:00:00**	

Parameter	Result	Units
Bioassay 750 mg/L (% Mortality)	0	%
Bioassay 250 mg/L (% Mortality)	0	%

Laboratory Notes

Sample was received within recommended holding time.

All testing was within method protocol.

LC 50 Results

SRT sample (mg/L):	22.50
Upper 95% confidence limit:	23.90
Lower 95% confidence limit:	21.10

SRT: Standard Reference Toxicant.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
South Bottom	**15-02-0661-1-A**	**02/06/15 15:45**	**Solid**	**GC 45**	**02/10/15**	**02/11/15 22:38**	**150210B16**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	50	10.0	
C7	ND	50	10.0	
C8	ND	50	10.0	
C9-C10	ND	50	10.0	
C11-C12	110	50	10.0	
C13-C14	170	50	10.0	
C15-C16	190	50	10.0	
C17-C18	230	50	10.0	
C19-C20	270	50	10.0	
C21-C22	620	50	10.0	
C23-C24	950	50	10.0	
C25-C28	1400	50	10.0	
C29-C32	1700	50	10.0	
C33-C36	1200	50	10.0	
C37-C40	690	50	10.0	
C41-C44	280	50	10.0	
C6-C44 Total	7800	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	87	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.		Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205		Work Order:	15-02-0661
San Diego, CA 92123-4425		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: Newland Sierra			Page 2 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
East Sidewall	**15-02-0661-2-A**	**02/06/15 16:00**	**Solid**	**GC 45**	**02/10/15**	**02/13/15 02:30**	**150210B16**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	7.7	5.0	1.00	
C29-C32	9.6	5.0	1.00	
C33-C36	5.9	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	35	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	62	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.		Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205		Work Order:	15-02-0661
San Diego, CA 92123-4425		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
		Units:	mg/kg
Project: Newland Sierra			Page 3 of 9

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
North Bottom	**15-02-0661-3-A**	**02/06/15 16:15**	**Solid**	**GC 45**	**02/10/15**	**02/11/15 16:47**	**150210B16**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	5.9	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	17	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	70	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
West Sidewall	**15-02-0661-4-A**	**02/06/15 16:30**	**Solid**	**GC 45**	**02/10/15**	**02/13/15 02:49**	**150210B16**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	5.9	5.0	1.00	
C23-C24	7.1	5.0	1.00	
C25-C28	12	5.0	1.00	
C29-C32	17	5.0	1.00	
C33-C36	20	5.0	1.00	
C37-C40	5.7	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	74	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	62	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-1	**15-02-0661-5-A**	**02/09/15 07:00**	**Solid**	**GC 45**	**02/10/15**	**02/12/15 18:37**	**150210B16**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	49	10.0	
C7	ND	49	10.0	
C8	ND	49	10.0	
C9-C10	ND	49	10.0	
C11-C12	140	49	10.0	
C13-C14	260	49	10.0	
C15-C16	290	49	10.0	
C17-C18	350	49	10.0	
C19-C20	430	49	10.0	
C21-C22	1100	49	10.0	
C23-C24	1500	49	10.0	
C25-C28	2600	49	10.0	
C29-C32	2900	49	10.0	
C33-C36	2100	49	10.0	
C37-C40	1300	49	10.0	
C41-C44	750	49	10.0	
C6-C44 Total	14000	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	111	61-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

eurofins | Calscience

Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-2	**15-02-0661-6-A**	**02/09/15 07:10**	**Solid**	**GC 45**	**02/10/15**	**02/11/15 19:15**	**150210B16**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	50	10.0	
C7	ND	50	10.0	
C8	ND	50	10.0	
C9-C10	ND	50	10.0	
C11-C12	53	50	10.0	
C13-C14	130	50	10.0	
C15-C16	180	50	10.0	
C17-C18	210	50	10.0	
C19-C20	260	50	10.0	
C21-C22	530	50	10.0	
C23-C24	730	50	10.0	
C25-C28	1400	50	10.0	
C29-C32	1800	50	10.0	
C33-C36	1600	50	10.0	
C37-C40	1100	50	10.0	
C41-C44	410	50	10.0	
C6-C44 Total	8400	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	82	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-3	**15-02-0661-7-A**	**02/09/15 07:15**	**Solid**	**GC 45**	**02/10/15**	**02/12/15 18:54**	**150210B16**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	50	10.0	
C7	ND	50	10.0	
C8	ND	50	10.0	
C9-C10	ND	50	10.0	
C11-C12	160	50	10.0	
C13-C14	270	50	10.0	
C15-C16	340	50	10.0	
C17-C18	430	50	10.0	
C19-C20	520	50	10.0	
C21-C22	1100	50	10.0	
C23-C24	1500	50	10.0	
C25-C28	2900	50	10.0	
C29-C32	3200	50	10.0	
C33-C36	2100	50	10.0	
C37-C40	1400	50	10.0	
C41-C44	860	50	10.0	
C6-C44 Total	15000	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	112	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-4	**15-02-0661-8-A**	**02/09/15 07:30**	**Solid**	**GC 45**	**02/10/15**	**02/11/15 20:29**	**150210B16**

Comment(s): - The total concentration includes individual carbon range concentrations (estimated), if any, below the RL reported as ND.

Parameter	Result	RL	DF	Qualifiers
C6	ND	49	10.0	
C7	ND	49	10.0	
C8	ND	49	10.0	
C9-C10	ND	49	10.0	
C11-C12	140	49	10.0	
C13-C14	230	49	10.0	
C15-C16	240	49	10.0	
C17-C18	290	49	10.0	
C19-C20	380	49	10.0	
C21-C22	800	49	10.0	
C23-C24	1100	49	10.0	
C25-C28	2000	49	10.0	
C29-C32	2400	49	10.0	
C33-C36	1800	49	10.0	
C37-C40	1100	49	10.0	
C41-C44	430	49	10.0	
C6-C44 Total	11000	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	84	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3550B
Method: EPA 8015B (M)
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-490-1426**	**N/A**	**Solid**	**GC 45**	**02/10/15**	**02/11/15 14:23**	**150210B16**

Parameter	Result	RL	DF	Qualifiers
C6	ND	5.0	1.00	
C7	ND	5.0	1.00	
C8	ND	5.0	1.00	
C9-C10	ND	5.0	1.00	
C11-C12	ND	5.0	1.00	
C13-C14	ND	5.0	1.00	
C15-C16	ND	5.0	1.00	
C17-C18	ND	5.0	1.00	
C19-C20	ND	5.0	1.00	
C21-C22	ND	5.0	1.00	
C23-C24	ND	5.0	1.00	
C25-C28	ND	5.0	1.00	
C29-C32	ND	5.0	1.00	
C33-C36	ND	5.0	1.00	
C37-C40	ND	5.0	1.00	
C41-C44	ND	5.0	1.00	
C6-C44 Total	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	67	61-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-1	**15-02-0661-5-A**	**02/09/15 07:00**	**Solid**	**ICP 7300**	**02/12/15**	**02/16/15 18:06**	**150212L04**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.758	1.01	
Arsenic	1.76	0.758	1.01	
Barium	47.4	0.505	1.01	
Beryllium	0.281	0.253	1.01	
Cadmium	ND	0.505	1.01	
Chromium	4.97	0.253	1.01	
Cobalt	4.65	0.253	1.01	
Copper	4.58	0.505	1.01	
Lead	17.7	0.505	1.01	
Molybdenum	ND	0.253	1.01	
Nickel	2.53	0.253	1.01	
Selenium	ND	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	ND	0.758	1.01	
Vanadium	18.5	0.253	1.01	
Zinc	51.6	1.01	1.01	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Newland Sierra

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-2	**15-02-0661-6-A**	**02/09/15 07:10**	**Solid**	**ICP 7300**	**02/12/15**	**02/16/15 18:07**	**150212L04**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.765	1.02	
Arsenic	1.50	0.765	1.02	
Barium	47.7	0.510	1.02	
Beryllium	0.297	0.255	1.02	
Cadmium	ND	0.510	1.02	
Chromium	5.24	0.255	1.02	
Cobalt	4.95	0.255	1.02	
Copper	2.99	0.510	1.02	
Lead	21.5	0.510	1.02	
Molybdenum	ND	0.255	1.02	
Nickel	2.36	0.255	1.02	
Selenium	ND	0.765	1.02	
Silver	ND	0.255	1.02	
Thallium	ND	0.765	1.02	
Vanadium	20.7	0.255	1.02	
Zinc	37.5	1.02	1.02	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Newland Sierra

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-3	**15-02-0661-7-A**	**02/09/15 07:15**	**Solid**	**ICP 7300**	**02/12/15**	**02/16/15 18:09**	**150212L04**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.732	0.976	
Arsenic	2.06	0.732	0.976	
Barium	52.2	0.488	0.976	
Beryllium	0.323	0.244	0.976	
Cadmium	ND	0.488	0.976	
Chromium	6.04	0.244	0.976	
Cobalt	5.53	0.244	0.976	
Copper	4.97	0.488	0.976	
Lead	6.32	0.488	0.976	
Molybdenum	ND	0.244	0.976	
Nickel	2.91	0.244	0.976	
Selenium	ND	0.732	0.976	
Silver	ND	0.244	0.976	
Thallium	ND	0.732	0.976	
Vanadium	21.0	0.244	0.976	
Zinc	55.8	0.976	0.976	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-4	**15-02-0661-8-A**	**02/09/15 07:30**	**Solid**	**ICP 7300**	**02/12/15**	**02/16/15 18:10**	**150212L04**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	1.82	0.750	1.00	
Barium	45.5	0.500	1.00	
Beryllium	0.314	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	5.52	0.250	1.00	
Cobalt	5.24	0.250	1.00	
Copper	3.95	0.500	1.00	
Lead	11.0	0.500	1.00	
Molybdenum	0.392	0.250	1.00	
Nickel	2.78	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	20.9	0.250	1.00	
Zinc	46.6	1.00	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Newland Sierra

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-20394**	**N/A**	**Solid**	**ICP 7300**	**02/12/15**	**02/16/15 16:52**	**150212L04**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	ND	0.750	1.00	
Barium	ND	0.500	1.00	
Beryllium	ND	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	ND	0.250	1.00	
Cobalt	ND	0.250	1.00	
Copper	ND	0.500	1.00	
Lead	ND	0.500	1.00	
Molybdenum	ND	0.250	1.00	
Nickel	ND	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	ND	0.250	1.00	
Zinc	ND	1.00	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-1	**15-02-0661-5-A**	**02/09/15 07:00**	**Solid**	**Mercury 05**	**02/16/15**	**02/16/15 17:18**	**150216L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0847	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-2	**15-02-0661-6-A**	**02/09/15 07:10**	**Solid**	**Mercury 05**	**02/16/15**	**02/16/15 17:20**	**150216L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0820	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-3	**15-02-0661-7-A**	**02/09/15 07:15**	**Solid**	**Mercury 05**	**02/16/15**	**02/16/15 17:27**	**150216L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0820	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-4	**15-02-0661-8-A**	**02/09/15 07:30**	**Solid**	**Mercury 05**	**02/16/15**	**02/16/15 17:29**	**150216L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0806	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-16-272-982**	**N/A**	**Solid**	**Mercury 05**	**02/16/15**	**02/16/15 17:00**	**150216L04**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
South Bottom	**15-02-0661-1-A**	**02/06/15 15:45**	**Solid**	**GC 58**	**02/18/15**	**02/19/15 11:12**	**150218L01**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	82	24-168	
2,4,5,6-Tetrachloro-m-Xylene	85	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-1	**15-02-0661-5-A**	**02/09/15 07:00**	**Solid**	**GC 58**	**02/13/15**	**02/13/15 19:00**	**150213L05**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	73	24-168	
2,4,5,6-Tetrachloro-m-Xylene	61	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-2	**15-02-0661-6-A**	**02/09/15 07:10**	**Solid**	**GC 58**	**02/13/15**	**02/13/15 19:18**	**150213L05**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	72	24-168	
2,4,5,6-Tetrachloro-m-Xylene	68	25-145	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-3	**15-02-0661-7-A**	**02/09/15 07:15**	**Solid**	**GC 58**	**02/13/15**	**02/13/15 19:36**	**150213L05**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	62	24-168	
2,4,5,6-Tetrachloro-m-Xylene	69	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-4	**15-02-0661-8-A**	**02/09/15 07:30**	**Solid**	**GC 58**	**02/13/15**	**02/13/15 19:54**	**150213L05**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	69	24-168	
2,4,5,6-Tetrachloro-m-Xylene	70	25-145	

Method Blank	099-12-535-3061	N/A	Solid	GC 58	02/13/15	02/13/15 16:54	150213L05

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	81	24-168	
2,4,5,6-Tetrachloro-m-Xylene	84	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8082
Units: ug/kg

Project: Newland Sierra

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-535-3067**	**N/A**	**Solid**	**GC 58**	**02/18/15**	**02/18/15 12:35**	**150218L01**

Parameter	Result	RL	DF	Qualifiers
Aroclor-1016	ND	50	1.00	
Aroclor-1221	ND	50	1.00	
Aroclor-1232	ND	50	1.00	
Aroclor-1242	ND	50	1.00	
Aroclor-1248	ND	50	1.00	
Aroclor-1254	ND	50	1.00	
Aroclor-1260	ND	50	1.00	
Aroclor-1262	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	86	24-168	
2,4,5,6-Tetrachloro-m-Xylene	83	25-145	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-1	**15-02-0661-5-A**	**02/09/15 07:00**	**Solid**	**GC/MS SS**	**02/13/15**	**02/13/15 22:58**	**150213L02**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	0.59	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	64	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.	Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205	Work Order:	15-02-0661
San Diego, CA 92123-4425	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: Newland Sierra		Page 3 of 15

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	59	25-120	
Nitrobenzene-d5	49	33-123	
p-Terphenyl-d14	96	27-159	
Phenol-d6	58	26-122	
2,4,6-Tribromophenol	84	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-2	**15-02-0661-6-A**	**02/09/15 07:10**	**Solid**	**GC/MS SS**	**02/13/15**	**02/13/15 23:17**	**150213L02**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	2.0	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	64	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.	Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205	Work Order:	15-02-0661
San Diego, CA 92123-4425	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: Newland Sierra		Page 6 of 15

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	59	25-120	
Nitrobenzene-d5	49	33-123	
p-Terphenyl-d14	92	27-159	
Phenol-d6	59	26-122	
2,4,6-Tribromophenol	83	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-3	**15-02-0661-7-A**	**02/09/15 07:15**	**Solid**	**GC/MS SS**	**02/13/15**	**02/13/15 23:36**	**150213L02**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	0.59	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	59	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.	Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205	Work Order:	15-02-0661
San Diego, CA 92123-4425	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: Newland Sierra		Page 9 of 15

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	53	25-120	
Nitrobenzene-d5	44	33-123	
p-Terphenyl-d14	93	27-159	
Phenol-d6	53	26-122	
2,4,6-Tribromophenol	76	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-4	**15-02-0661-8-A**	**02/09/15 07:30**	**Solid**	**GC/MS SS**	**02/13/15**	**02/16/15 12:54**	**150213L02**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	2.5	5.00	
Acenaphthylene	ND	2.5	5.00	
Aniline	ND	2.5	5.00	
Anthracene	ND	2.5	5.00	
Azobenzene	ND	2.5	5.00	
Benzidine	ND	50	5.00	
Benzo (a) Anthracene	ND	2.5	5.00	
Benzo (a) Pyrene	ND	2.5	5.00	
Benzo (b) Fluoranthene	ND	2.5	5.00	
Benzo (g,h,i) Perylene	ND	2.5	5.00	
Benzo (k) Fluoranthene	ND	2.5	5.00	
Benzoic Acid	ND	13	5.00	
Benzyl Alcohol	ND	2.5	5.00	
Bis(2-Chloroethoxy) Methane	ND	2.5	5.00	
Bis(2-Chloroethyl) Ether	ND	13	5.00	
Bis(2-Chloroisopropyl) Ether	ND	2.5	5.00	
Bis(2-Ethylhexyl) Phthalate	2.7	2.5	5.00	
4-Bromophenyl-Phenyl Ether	ND	2.5	5.00	
Butyl Benzyl Phthalate	ND	2.5	5.00	
4-Chloro-3-Methylphenol	ND	2.5	5.00	
4-Chloroaniline	ND	2.5	5.00	
2-Chloronaphthalene	ND	2.5	5.00	
2-Chlorophenol	ND	2.5	5.00	
4-Chlorophenyl-Phenyl Ether	ND	2.5	5.00	
Chrysene	ND	2.5	5.00	
Di-n-Butyl Phthalate	ND	2.5	5.00	
Di-n-Octyl Phthalate	ND	2.5	5.00	
Dibenz (a,h) Anthracene	ND	2.5	5.00	
Dibenzofuran	ND	2.5	5.00	
1,2-Dichlorobenzene	ND	2.5	5.00	
1,3-Dichlorobenzene	ND	2.5	5.00	
1,4-Dichlorobenzene	ND	2.5	5.00	
3,3'-Dichlorobenzidine	ND	50	5.00	
2,4-Dichlorophenol	ND	2.5	5.00	
Diethyl Phthalate	ND	2.5	5.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	2.5	5.00	
2,4-Dimethylphenol	ND	2.5	5.00	
4,6-Dinitro-2-Methylphenol	ND	13	5.00	
2,4-Dinitrophenol	ND	13	5.00	
2,4-Dinitrotoluene	ND	2.5	5.00	
2,6-Dinitrotoluene	ND	2.5	5.00	
Fluoranthene	ND	2.5	5.00	
Fluorene	ND	2.5	5.00	
Hexachloro-1,3-Butadiene	ND	2.5	5.00	
Hexachlorobenzene	ND	2.5	5.00	
Hexachlorocyclopentadiene	ND	13	5.00	
Hexachloroethane	ND	2.5	5.00	
Indeno (1,2,3-c,d) Pyrene	ND	2.5	5.00	
Isophorone	ND	2.5	5.00	
2-Methylnaphthalene	ND	2.5	5.00	
1-Methylnaphthalene	ND	2.5	5.00	
2-Methylphenol	ND	2.5	5.00	
3/4-Methylphenol	ND	2.5	5.00	
N-Nitroso-di-n-propylamine	ND	2.5	5.00	
N-Nitrosodimethylamine	ND	2.5	5.00	
N-Nitrosodiphenylamine	ND	2.5	5.00	
Naphthalene	ND	2.5	5.00	
4-Nitroaniline	ND	2.5	5.00	
3-Nitroaniline	ND	2.5	5.00	
2-Nitroaniline	ND	2.5	5.00	
Nitrobenzene	ND	13	5.00	
4-Nitrophenol	ND	2.5	5.00	
2-Nitrophenol	ND	2.5	5.00	
Pentachlorophenol	ND	13	5.00	
Phenanthrene	ND	2.5	5.00	
Phenol	ND	2.5	5.00	
Pyrene	ND	2.5	5.00	
Pyridine	ND	2.5	5.00	
1,2,4-Trichlorobenzene	ND	2.5	5.00	
2,4,6-Trichlorophenol	ND	2.5	5.00	
2,4,5-Trichlorophenol	ND	2.5	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	90	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.	Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205	Work Order:	15-02-0661
San Diego, CA 92123-4425	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: Newland Sierra		Page 12 of 15

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	80	25-120	
Nitrobenzene-d5	68	33-123	
p-Terphenyl-d14	89	27-159	
Phenol-d6	80	26-122	
2,4,6-Tribromophenol	104	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-549-3202**	**N/A**	**Solid**	**GC/MS SS**	**02/13/15**	**02/13/15 21:41**	**150213L02**

Parameter	Result	RL	DF	Qualifiers
Acenaphthene	ND	0.50	1.00	
Acenaphthylene	ND	0.50	1.00	
Aniline	ND	0.50	1.00	
Anthracene	ND	0.50	1.00	
Azobenzene	ND	0.50	1.00	
Benzidine	ND	10	1.00	
Benzo (a) Anthracene	ND	0.50	1.00	
Benzo (a) Pyrene	ND	0.50	1.00	
Benzo (b) Fluoranthene	ND	0.50	1.00	
Benzo (g,h,i) Perylene	ND	0.50	1.00	
Benzo (k) Fluoranthene	ND	0.50	1.00	
Benzoic Acid	ND	2.5	1.00	
Benzyl Alcohol	ND	0.50	1.00	
Bis(2-Chloroethoxy) Methane	ND	0.50	1.00	
Bis(2-Chloroethyl) Ether	ND	2.5	1.00	
Bis(2-Chloroisopropyl) Ether	ND	0.50	1.00	
Bis(2-Ethylhexyl) Phthalate	ND	0.50	1.00	
4-Bromophenyl-Phenyl Ether	ND	0.50	1.00	
Butyl Benzyl Phthalate	ND	0.50	1.00	
4-Chloro-3-Methylphenol	ND	0.50	1.00	
4-Chloroaniline	ND	0.50	1.00	
2-Chloronaphthalene	ND	0.50	1.00	
2-Chlorophenol	ND	0.50	1.00	
4-Chlorophenyl-Phenyl Ether	ND	0.50	1.00	
Chrysene	ND	0.50	1.00	
Di-n-Butyl Phthalate	ND	0.50	1.00	
Di-n-Octyl Phthalate	ND	0.50	1.00	
Dibenz (a,h) Anthracene	ND	0.50	1.00	
Dibenzofuran	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,4-Dichlorobenzene	ND	0.50	1.00	
3,3'-Dichlorobenzidine	ND	10	1.00	
2,4-Dichlorophenol	ND	0.50	1.00	
Diethyl Phthalate	ND	0.50	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8270C
Units: mg/kg

Parameter	Result	RL	DF	Qualifiers
Dimethyl Phthalate	ND	0.50	1.00	
2,4-Dimethylphenol	ND	0.50	1.00	
4,6-Dinitro-2-Methylphenol	ND	2.5	1.00	
2,4-Dinitrophenol	ND	2.5	1.00	
2,4-Dinitrotoluene	ND	0.50	1.00	
2,6-Dinitrotoluene	ND	0.50	1.00	
Fluoranthene	ND	0.50	1.00	
Fluorene	ND	0.50	1.00	
Hexachloro-1,3-Butadiene	ND	0.50	1.00	
Hexachlorobenzene	ND	0.50	1.00	
Hexachlorocyclopentadiene	ND	2.5	1.00	
Hexachloroethane	ND	0.50	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.50	1.00	
Isophorone	ND	0.50	1.00	
2-Methylnaphthalene	ND	0.50	1.00	
1-Methylnaphthalene	ND	0.50	1.00	
2-Methylphenol	ND	0.50	1.00	
3/4-Methylphenol	ND	0.50	1.00	
N-Nitroso-di-n-propylamine	ND	0.50	1.00	
N-Nitrosodimethylamine	ND	0.50	1.00	
N-Nitrosodiphenylamine	ND	0.50	1.00	
Naphthalene	ND	0.50	1.00	
4-Nitroaniline	ND	0.50	1.00	
3-Nitroaniline	ND	0.50	1.00	
2-Nitroaniline	ND	0.50	1.00	
Nitrobenzene	ND	2.5	1.00	
4-Nitrophenol	ND	0.50	1.00	
2-Nitrophenol	ND	0.50	1.00	
Pentachlorophenol	ND	2.5	1.00	
Phenanthrene	ND	0.50	1.00	
Phenol	ND	0.50	1.00	
Pyrene	ND	0.50	1.00	
Pyridine	ND	0.50	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
2,4,6-Trichlorophenol	ND	0.50	1.00	
2,4,5-Trichlorophenol	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	67	27-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.	Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205	Work Order:	15-02-0661
San Diego, CA 92123-4425	Preparation:	EPA 3545
	Method:	EPA 8270C
	Units:	mg/kg
Project: Newland Sierra		Page 15 of 15

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorophenol	74	25-120	
Nitrobenzene-d5	60	33-123	
p-Terphenyl-d14	63	27-159	
Phenol-d6	75	26-122	
2,4,6-Tribromophenol	84	18-138	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
South Bottom	**15-02-0661-1-A**	**02/06/15 15:45**	**Solid**	**GC/MS EEE**	**02/18/15**	**02/18/15 20:47**	**150218L03**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.10	5.00	
2-Methylnaphthalene	ND	0.10	5.00	
1-Methylnaphthalene	ND	0.10	5.00	
Acenaphthylene	ND	0.10	5.00	
Acenaphthene	ND	0.10	5.00	
Fluorene	ND	0.10	5.00	
Phenanthrene	ND	0.10	5.00	
Anthracene	ND	0.10	5.00	
Fluoranthene	ND	0.10	5.00	
Pyrene	0.15	0.10	5.00	
Benzo (a) Anthracene	ND	0.10	5.00	
Chrysene	ND	0.10	5.00	
Benzo (k) Fluoranthene	ND	0.10	5.00	
Benzo (b) Fluoranthene	ND	0.10	5.00	
Benzo (a) Pyrene	ND	0.10	5.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.10	5.00	
Dibenz (a,h) Anthracene	ND	0.10	5.00	
Benzo (g,h,i) Perylene	ND	0.10	5.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	127	22-130	
Nitrobenzene-d5	122	20-145	
p-Terphenyl-d14	78	33-147	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-06-010-2325**	**N/A**	**Solid**	**GC/MS EEE**	**02/18/15**	**02/18/15 19:26**	**150218L03**

Parameter	Result	RL	DF	Qualifiers
Naphthalene	ND	0.020	1.00	
2-Methylnaphthalene	ND	0.020	1.00	
1-Methylnaphthalene	ND	0.020	1.00	
Acenaphthylene	ND	0.020	1.00	
Acenaphthene	ND	0.020	1.00	
Fluorene	ND	0.020	1.00	
Phenanthrene	ND	0.020	1.00	
Anthracene	ND	0.020	1.00	
Fluoranthene	ND	0.020	1.00	
Pyrene	ND	0.020	1.00	
Benzo (a) Anthracene	ND	0.020	1.00	
Chrysene	ND	0.020	1.00	
Benzo (k) Fluoranthene	ND	0.020	1.00	
Benzo (b) Fluoranthene	ND	0.020	1.00	
Benzo (a) Pyrene	ND	0.020	1.00	
Indeno (1,2,3-c,d) Pyrene	ND	0.020	1.00	
Dibenz (a,h) Anthracene	ND	0.020	1.00	
Benzo (g,h,i) Perylene	ND	0.020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2-Fluorobiphenyl	89	22-130	
Nitrobenzene-d5	66	20-145	
p-Terphenyl-d14	83	33-147	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-1	**15-02-0661-5-B**	**02/09/15 07:00**	**Solid**	**GC/MS Q**	**02/10/15**	**02/11/15 19:35**	**150211L002**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	4.9	1.00	
Bromobenzene	ND	4.9	1.00	
Bromochloromethane	ND	4.9	1.00	
Bromodichloromethane	ND	4.9	1.00	
Bromoform	ND	4.9	1.00	
Bromomethane	ND	24	1.00	
2-Butanone	ND	49	1.00	
n-Butylbenzene	ND	4.9	1.00	
sec-Butylbenzene	ND	4.9	1.00	
tert-Butylbenzene	ND	4.9	1.00	
Carbon Disulfide	ND	49	1.00	
Carbon Tetrachloride	ND	4.9	1.00	
Chlorobenzene	ND	4.9	1.00	
Chloroethane	ND	4.9	1.00	
Chloroform	ND	4.9	1.00	
Chloromethane	ND	24	1.00	
2-Chlorotoluene	ND	4.9	1.00	
4-Chlorotoluene	ND	4.9	1.00	
Dibromochloromethane	ND	4.9	1.00	
1,2-Dibromo-3-Chloropropane	ND	9.8	1.00	
1,2-Dibromoethane	ND	4.9	1.00	
Dibromomethane	ND	4.9	1.00	
1,2-Dichlorobenzene	ND	4.9	1.00	
1,3-Dichlorobenzene	ND	4.9	1.00	
1,4-Dichlorobenzene	ND	4.9	1.00	
Dichlorodifluoromethane	ND	4.9	1.00	
1,1-Dichloroethane	ND	4.9	1.00	
1,2-Dichloroethane	ND	4.9	1.00	
1,1-Dichloroethene	ND	4.9	1.00	
c-1,2-Dichloroethene	ND	4.9	1.00	
t-1,2-Dichloroethene	ND	4.9	1.00	
1,2-Dichloropropane	ND	4.9	1.00	
1,3-Dichloropropane	ND	4.9	1.00	
2,2-Dichloropropane	ND	4.9	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	4.9	1.00	
c-1,3-Dichloropropene	ND	4.9	1.00	
t-1,3-Dichloropropene	ND	4.9	1.00	
Ethylbenzene	ND	4.9	1.00	
2-Hexanone	ND	49	1.00	
Isopropylbenzene	ND	4.9	1.00	
p-Isopropyltoluene	ND	4.9	1.00	
Methylene Chloride	ND	49	1.00	
4-Methyl-2-Pentanone	ND	49	1.00	
Naphthalene	ND	49	1.00	
n-Propylbenzene	ND	4.9	1.00	
Styrene	ND	4.9	1.00	
1,1,1,2-Tetrachloroethane	ND	4.9	1.00	
1,1,2,2-Tetrachloroethane	ND	4.9	1.00	
Tetrachloroethene	ND	4.9	1.00	
Toluene	ND	4.9	1.00	
1,2,3-Trichlorobenzene	ND	9.8	1.00	
1,2,4-Trichlorobenzene	ND	4.9	1.00	
1,1,1-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloroethane	ND	4.9	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	49	1.00	
Trichloroethene	ND	4.9	1.00	
1,2,3-Trichloropropane	ND	4.9	1.00	
1,2,4-Trimethylbenzene	ND	4.9	1.00	
Trichlorofluoromethane	ND	49	1.00	
1,3,5-Trimethylbenzene	ND	4.9	1.00	
Vinyl Acetate	ND	49	1.00	
Vinyl Chloride	ND	4.9	1.00	
p/m-Xylene	ND	4.9	1.00	
o-Xylene	ND	4.9	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.9	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	60-132	
Dibromofluoromethane	92	63-141	
1,2-Dichloroethane-d4	103	62-146	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-2	**15-02-0661-6-B**	**02/09/15 07:10**	**Solid**	**GC/MS Q**	**02/10/15**	**02/11/15 20:02**	**150211L002**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.2	1.00	
Bromobenzene	ND	5.2	1.00	
Bromochloromethane	ND	5.2	1.00	
Bromodichloromethane	ND	5.2	1.00	
Bromoform	ND	5.2	1.00	
Bromomethane	ND	26	1.00	
2-Butanone	ND	52	1.00	
n-Butylbenzene	ND	5.2	1.00	
sec-Butylbenzene	ND	5.2	1.00	
tert-Butylbenzene	ND	5.2	1.00	
Carbon Disulfide	ND	52	1.00	
Carbon Tetrachloride	ND	5.2	1.00	
Chlorobenzene	ND	5.2	1.00	
Chloroethane	ND	5.2	1.00	
Chloroform	ND	5.2	1.00	
Chloromethane	ND	26	1.00	
2-Chlorotoluene	ND	5.2	1.00	
4-Chlorotoluene	ND	5.2	1.00	
Dibromochloromethane	ND	5.2	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.2	1.00	
Dibromomethane	ND	5.2	1.00	
1,2-Dichlorobenzene	ND	5.2	1.00	
1,3-Dichlorobenzene	ND	5.2	1.00	
1,4-Dichlorobenzene	ND	5.2	1.00	
Dichlorodifluoromethane	ND	5.2	1.00	
1,1-Dichloroethane	ND	5.2	1.00	
1,2-Dichloroethane	ND	5.2	1.00	
1,1-Dichloroethene	ND	5.2	1.00	
c-1,2-Dichloroethene	ND	5.2	1.00	
t-1,2-Dichloroethene	ND	5.2	1.00	
1,2-Dichloropropane	ND	5.2	1.00	
1,3-Dichloropropane	ND	5.2	1.00	
2,2-Dichloropropane	ND	5.2	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.2	1.00	
c-1,3-Dichloropropene	ND	5.2	1.00	
t-1,3-Dichloropropene	ND	5.2	1.00	
Ethylbenzene	ND	5.2	1.00	
2-Hexanone	ND	52	1.00	
Isopropylbenzene	ND	5.2	1.00	
p-Isopropyltoluene	ND	5.2	1.00	
Methylene Chloride	ND	52	1.00	
4-Methyl-2-Pentanone	ND	52	1.00	
Naphthalene	ND	52	1.00	
n-Propylbenzene	ND	5.2	1.00	
Styrene	ND	5.2	1.00	
1,1,1,2-Tetrachloroethane	ND	5.2	1.00	
1,1,2,2-Tetrachloroethane	ND	5.2	1.00	
Tetrachloroethene	ND	5.2	1.00	
Toluene	ND	5.2	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.2	1.00	
1,1,1-Trichloroethane	ND	5.2	1.00	
1,1,2-Trichloroethane	ND	5.2	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	52	1.00	
Trichloroethene	ND	5.2	1.00	
1,2,3-Trichloropropane	ND	5.2	1.00	
1,2,4-Trimethylbenzene	ND	5.2	1.00	
Trichlorofluoromethane	ND	52	1.00	
1,3,5-Trimethylbenzene	ND	5.2	1.00	
Vinyl Acetate	ND	52	1.00	
Vinyl Chloride	ND	5.2	1.00	
p/m-Xylene	ND	5.2	1.00	
o-Xylene	ND	5.2	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.2	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	60-132	
Dibromofluoromethane	92	63-141	
1,2-Dichloroethane-d4	101	62-146	
Toluene-d8	100	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Project: Newland Sierra

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-3	**15-02-0661-7-B**	**02/09/15 07:15**	**Solid**	**GC/MS Q**	**02/10/15**	**02/11/15 20:29**	**150211L002**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	5.2	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	60-132	
Dibromofluoromethane	93	63-141	
1,2-Dichloroethane-d4	103	62-146	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SP-4	**15-02-0661-8-B**	**02/09/15 07:30**	**Solid**	**GC/MS Q**	**02/10/15**	**02/11/15 20:57**	**150211L002**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	130	1.00	
Benzene	ND	5.1	1.00	
Bromobenzene	ND	5.1	1.00	
Bromochloromethane	ND	5.1	1.00	
Bromodichloromethane	ND	5.1	1.00	
Bromoform	ND	5.1	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	51	1.00	
n-Butylbenzene	ND	5.1	1.00	
sec-Butylbenzene	ND	5.1	1.00	
tert-Butylbenzene	ND	5.1	1.00	
Carbon Disulfide	ND	51	1.00	
Carbon Tetrachloride	ND	5.1	1.00	
Chlorobenzene	ND	5.1	1.00	
Chloroethane	ND	5.1	1.00	
Chloroform	ND	5.1	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.1	1.00	
4-Chlorotoluene	ND	5.1	1.00	
Dibromochloromethane	ND	5.1	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.1	1.00	
Dibromomethane	ND	5.1	1.00	
1,2-Dichlorobenzene	ND	5.1	1.00	
1,3-Dichlorobenzene	ND	5.1	1.00	
1,4-Dichlorobenzene	ND	5.1	1.00	
Dichlorodifluoromethane	ND	5.1	1.00	
1,1-Dichloroethane	ND	5.1	1.00	
1,2-Dichloroethane	ND	5.1	1.00	
1,1-Dichloroethene	ND	5.1	1.00	
c-1,2-Dichloroethene	ND	5.1	1.00	
t-1,2-Dichloroethene	ND	5.1	1.00	
1,2-Dichloropropane	ND	5.1	1.00	
1,3-Dichloropropane	ND	5.1	1.00	
2,2-Dichloropropane	ND	5.1	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.1	1.00	
c-1,3-Dichloropropene	ND	5.1	1.00	
t-1,3-Dichloropropene	ND	5.1	1.00	
Ethylbenzene	ND	5.1	1.00	
2-Hexanone	ND	51	1.00	
Isopropylbenzene	ND	5.1	1.00	
p-Isopropyltoluene	ND	5.1	1.00	
Methylene Chloride	ND	51	1.00	
4-Methyl-2-Pentanone	ND	51	1.00	
Naphthalene	ND	51	1.00	
n-Propylbenzene	ND	5.1	1.00	
Styrene	ND	5.1	1.00	
1,1,1,2-Tetrachloroethane	ND	5.1	1.00	
1,1,2,2-Tetrachloroethane	ND	5.1	1.00	
Tetrachloroethene	ND	5.1	1.00	
Toluene	ND	5.1	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.1	1.00	
1,1,1-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloroethane	ND	5.1	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	51	1.00	
Trichloroethene	ND	5.1	1.00	
1,2,3-Trichloropropane	ND	5.1	1.00	
1,2,4-Trimethylbenzene	ND	5.1	1.00	
Trichlorofluoromethane	ND	51	1.00	
1,3,5-Trimethylbenzene	ND	5.1	1.00	
Vinyl Acetate	ND	51	1.00	
Vinyl Chloride	ND	5.1	1.00	
p/m-Xylene	ND	5.1	1.00	
o-Xylene	ND	5.1	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.1	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	60-132	
Dibromofluoromethane	94	63-141	
1,2-Dichloroethane-d4	103	62-146	
Toluene-d8	99	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-796-9377**	**N/A**	**Solid**	**GC/MS Q**	**02/11/15**	**02/11/15 11:32**	**150211L002**

Parameter	Result	RL	DF	Qualifiers
Acetone	ND	120	1.00	
Benzene	ND	5.0	1.00	
Bromobenzene	ND	5.0	1.00	
Bromochloromethane	ND	5.0	1.00	
Bromodichloromethane	ND	5.0	1.00	
Bromoform	ND	5.0	1.00	
Bromomethane	ND	25	1.00	
2-Butanone	ND	50	1.00	
n-Butylbenzene	ND	5.0	1.00	
sec-Butylbenzene	ND	5.0	1.00	
tert-Butylbenzene	ND	5.0	1.00	
Carbon Disulfide	ND	50	1.00	
Carbon Tetrachloride	ND	5.0	1.00	
Chlorobenzene	ND	5.0	1.00	
Chloroethane	ND	5.0	1.00	
Chloroform	ND	5.0	1.00	
Chloromethane	ND	25	1.00	
2-Chlorotoluene	ND	5.0	1.00	
4-Chlorotoluene	ND	5.0	1.00	
Dibromochloromethane	ND	5.0	1.00	
1,2-Dibromo-3-Chloropropane	ND	10	1.00	
1,2-Dibromoethane	ND	5.0	1.00	
Dibromomethane	ND	5.0	1.00	
1,2-Dichlorobenzene	ND	5.0	1.00	
1,3-Dichlorobenzene	ND	5.0	1.00	
1,4-Dichlorobenzene	ND	5.0	1.00	
Dichlorodifluoromethane	ND	5.0	1.00	
1,1-Dichloroethane	ND	5.0	1.00	
1,2-Dichloroethane	ND	5.0	1.00	
1,1-Dichloroethene	ND	5.0	1.00	
c-1,2-Dichloroethene	ND	5.0	1.00	
t-1,2-Dichloroethene	ND	5.0	1.00	
1,2-Dichloropropane	ND	5.0	1.00	
1,3-Dichloropropane	ND	5.0	1.00	
2,2-Dichloropropane	ND	5.0	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/kg

Parameter	Result	RL	DF	Qualifiers
1,1-Dichloropropene	ND	5.0	1.00	
c-1,3-Dichloropropene	ND	5.0	1.00	
t-1,3-Dichloropropene	ND	5.0	1.00	
Ethylbenzene	ND	5.0	1.00	
2-Hexanone	ND	50	1.00	
Isopropylbenzene	ND	5.0	1.00	
p-Isopropyltoluene	ND	5.0	1.00	
Methylene Chloride	ND	50	1.00	
4-Methyl-2-Pentanone	ND	50	1.00	
Naphthalene	ND	50	1.00	
n-Propylbenzene	ND	5.0	1.00	
Styrene	ND	5.0	1.00	
1,1,1,2-Tetrachloroethane	ND	5.0	1.00	
1,1,2,2-Tetrachloroethane	ND	5.0	1.00	
Tetrachloroethene	ND	5.0	1.00	
Toluene	ND	5.0	1.00	
1,2,3-Trichlorobenzene	ND	10	1.00	
1,2,4-Trichlorobenzene	ND	5.0	1.00	
1,1,1-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloroethane	ND	5.0	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	50	1.00	
Trichloroethene	ND	5.0	1.00	
1,2,3-Trichloropropane	ND	5.0	1.00	
1,2,4-Trimethylbenzene	ND	5.0	1.00	
Trichlorofluoromethane	ND	50	1.00	
1,3,5-Trimethylbenzene	ND	5.0	1.00	
Vinyl Acetate	ND	50	1.00	
Vinyl Chloride	ND	5.0	1.00	
p/m-Xylene	ND	5.0	1.00	
o-Xylene	ND	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	60-132	
Dibromofluoromethane	99	63-141	
1,2-Dichloroethane-d4	107	62-146	
Toluene-d8	97	80-120	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3550B
Method: EPA 8015B (M)

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-02-0650-1	**Sample**	**Solid**	**GC 45**	**02/10/15**	**02/11/15 15:34**	**150210S16**
15-02-0650-1	**Matrix Spike**	**Solid**	**GC 45**	**02/10/15**	**02/11/15 14:59**	**150210S16**
15-02-0650-1	**Matrix Spike Duplicate**	**Solid**	**GC 45**	**02/10/15**	**02/11/15 15:16**	**150210S16**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	15.81	400.0	400.5	96	460.6	111	64-130	14	0-15	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

LEIGHTON AND ASSOCIATES, INC.	Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205	Work Order:	15-02-0661
San Diego, CA 92123-4425	Preparation:	EPA 3050B
	Method:	EPA 6010B
Project: Newland Sierra		Page 2 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-02-0811-1	**Sample**	**Solid**	**ICP 7300**	**02/12/15**	**02/16/15 18:26**	**150212S04**
15-02-0811-1	**Matrix Spike**	**Solid**	**ICP 7300**	**02/12/15**	**02/16/15 18:31**	**150212S04**
15-02-0811-1	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**02/12/15**	**02/16/15 18:32**	**150212S04**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	4.420	18	4.000	16	50-115	10	0-20	3
Arsenic	5.917	25.00	32.42	106	33.34	110	75-125	3	0-20	
Barium	100.0	25.00	127.4	4X	119.5	4X	75-125	4X	0-20	Q
Beryllium	0.3629	25.00	26.59	105	26.34	104	75-125	1	0-20	
Cadmium	ND	25.00	25.46	102	25.93	104	75-125	2	0-20	
Chromium	18.65	25.00	47.36	115	48.49	119	75-125	2	0-20	
Cobalt	9.346	25.00	36.47	108	36.91	110	75-125	1	0-20	
Copper	15.76	25.00	43.73	112	44.07	113	75-125	1	0-20	
Lead	2.775	25.00	27.96	101	28.49	103	75-125	2	0-20	
Molybdenum	ND	25.00	23.40	94	23.90	96	75-125	2	0-20	
Nickel	15.11	25.00	42.20	108	42.91	111	75-125	2	0-20	
Selenium	ND	25.00	23.48	94	24.02	96	75-125	2	0-20	
Silver	ND	12.50	13.24	106	13.16	105	75-125	1	0-20	
Thallium	ND	25.00	8.526	34	10.58	42	75-125	22	0-20	3,4
Vanadium	31.41	25.00	59.02	110	58.37	108	75-125	1	0-20	
Zinc	43.36	25.00	72.42	116	73.37	120	75-125	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 7471A Total
Method: EPA 7471A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-02-0811-1	**Sample**	**Solid**	**Mercury 05**	**02/16/15**	**02/16/15 17:05**	**150216S04**
15-02-0811-1	**Matrix Spike**	**Solid**	**Mercury 05**	**02/16/15**	**02/16/15 17:07**	**150216S04**
15-02-0811-1	**Matrix Spike Duplicate**	**Solid**	**Mercury 05**	**02/16/15**	**02/16/15 17:09**	**150216S04**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.9590	115	0.9871	118	71-137	3	0-14	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8082

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-02-0849-1	**Sample**	**Solid**	**GC 58**	**02/13/15**	**02/13/15 17:30**	**150213S05**
15-02-0849-1	**Matrix Spike**	**Solid**	**GC 58**	**02/13/15**	**02/13/15 18:24**	**150213S05**
15-02-0849-1	**Matrix Spike Duplicate**	**Solid**	**GC 58**	**02/13/15**	**02/13/15 18:42**	**150213S05**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	138.7	139	129.0	129	50-135	7	0-20	3
Aroclor-1260	80.09	100.0	152.6	72	154.4	74	50-135	1	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8082

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-02-0662-28	**Sample**	**Solid**	**GC 58**	**02/18/15**	**02/18/15 12:53**	**150218S01**
15-02-0662-28	**Matrix Spike**	**Solid**	**GC 58**	**02/18/15**	**02/18/15 13:11**	**150218S01**
15-02-0662-28	**Matrix Spike Duplicate**	**Solid**	**GC 58**	**02/18/15**	**02/18/15 13:29**	**150218S01**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aroclor-1016	ND	100.0	83.88	84	89.78	90	50-135	7	0-20	
Aroclor-1260	ND	100.0	92.51	93	93.42	93	50-135	1	0-25	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8270C

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
SP-2	**Sample**	**Solid**	**GC/MS SS**	**02/13/15**	**02/13/15 23:17**	**150213S02**
SP-2	**Matrix Spike**	**Solid**	**GC/MS SS**	**02/13/15**	**02/13/15 22:19**	**150213S02**
SP-2	**Matrix Spike Duplicate**	**Solid**	**GC/MS SS**	**02/13/15**	**02/13/15 22:39**	**150213S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Acenaphthene	ND	10.00	6.643	66	7.326	73	34-148	10	0-20	
Acenaphthylene	ND	10.00	6.660	67	7.350	73	53-120	10	0-20	
Butyl Benzyl Phthalate	ND	10.00	6.476	65	7.523	75	15-189	15	0-20	
4-Chloro-3-Methylphenol	ND	10.00	5.877	59	6.163	62	32-120	5	0-20	
2-Chlorophenol	ND	10.00	5.954	60	6.465	65	53-120	8	0-20	
1,4-Dichlorobenzene	ND	10.00	5.893	59	6.565	66	43-120	11	0-26	
Dimethyl Phthalate	ND	10.00	6.347	63	7.119	71	44-122	11	0-20	
2,4-Dinitrotoluene	ND	10.00	7.062	71	7.862	79	28-120	11	0-20	
Fluorene	ND	10.00	6.775	68	7.402	74	12-186	9	0-20	
N-Nitroso-di-n-propylamine	ND	10.00	5.156	52	5.227	52	38-140	1	0-20	
Naphthalene	ND	10.00	5.894	59	6.440	64	20-140	9	0-20	
4-Nitrophenol	ND	10.00	5.793	58	5.754	58	14-128	1	0-59	
Pentachlorophenol	ND	10.00	6.561	66	7.287	73	10-124	10	0-20	
Phenol	ND	10.00	5.433	54	5.720	57	22-124	5	0-20	
Pyrene	ND	10.00	7.778	78	9.985	100	31-169	25	0-20	4
1,2,4-Trichlorobenzene	ND	10.00	6.391	64	7.220	72	56-120	12	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 3545
Method: EPA 8270C SIM PAHs

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
South Bottom	**Sample**	**Solid**	**GC/MS EEE**	**02/18/15**	**02/18/15 20:47**	**150218S03**
South Bottom	**Matrix Spike**	**Solid**	**GC/MS EEE**	**02/18/15**	**02/18/15 20:06**	**150218S03**
South Bottom	**Matrix Spike Duplicate**	**Solid**	**GC/MS EEE**	**02/18/15**	**02/18/15 20:26**	**150218S03**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Naphthalene	ND	0.2000	0.2849	142	0.2527	126	20-150	12	0-33	
2-Methylnaphthalene	ND	0.2000	0.2432	122	0.2117	106	29-137	14	0-31	
1-Methylnaphthalene	ND	0.2000	0.2833	142	0.2390	120	34-136	17	0-29	3
Acenaphthylene	ND	0.2000	0.1936	97	0.1810	90	29-131	7	0-32	
Acenaphthene	ND	0.2000	0.2004	100	0.2033	102	29-137	1	0-28	
Fluorene	ND	0.2000	0.1926	96	0.1771	89	36-132	8	0-27	
Phenanthrene	ND	0.2000	0.2060	103	0.1858	93	20-144	10	0-27	
Anthracene	ND	0.2000	0.1487	74	0.1139	57	26-134	27	0-27	
Fluoranthene	ND	0.2000	0.1693	85	0.1699	85	20-151	0	0-26	
Pyrene	0.1473	0.2000	0.3343	94	0.3119	82	20-150	7	0-32	
Benzo (a) Anthracene	ND	0.2000	0.1828	91	0.1759	88	24-150	4	0-24	
Chrysene	ND	0.2000	0.1884	94	0.1895	95	25-145	1	0-28	
Benzo (k) Fluoranthene	ND	0.2000	0.1672	84	0.1442	72	28-148	15	0-26	
Benzo (b) Fluoranthene	ND	0.2000	0.1920	96	0.1619	81	21-153	17	0-26	
Benzo (a) Pyrene	ND	0.2000	0.2057	103	0.1545	77	29-149	28	0-22	4
Indeno (1,2,3-c,d) Pyrene	ND	0.2000	0.1752	88	0.1657	83	20-154	6	0-25	
Dibenz (a,h) Anthracene	ND	0.2000	0.1829	91	0.1706	85	20-132	7	0-26	
Benzo (g,h,i) Perylene	ND	0.2000	0.2011	101	0.1865	93	20-148	8	0-27	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

LEIGHTON AND ASSOCIATES, INC.
3934 Murphy Canyon Road, Suite B205
San Diego, CA 92123-4425

Project: Newland Sierra

Date Received: 02/09/15
Work Order: 15-02-0661
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
15-02-0714-8	**Sample**	**Solid**	**GC/MS Q**	**02/10/15**	**02/11/15 12:25**	**150211S001**
15-02-0714-8	**Matrix Spike**	**Solid**	**GC/MS Q**	**02/10/15**	**02/11/15 12:52**	**150211S001**
15-02-0714-8	**Matrix Spike Duplicate**	**Solid**	**GC/MS Q**	**02/10/15**	**02/11/15 13:18**	**150211S001**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	50.00	40.47	81	41.24	82	61-127	2	0-20	
Carbon Tetrachloride	ND	50.00	38.66	77	40.43	81	51-135	4	0-29	
Chlorobenzene	ND	50.00	34.49	69	35.30	71	57-123	2	0-20	
1,2-Dibromoethane	ND	50.00	42.70	85	43.91	88	64-124	3	0-20	
1,2-Dichlorobenzene	ND	50.00	24.71	49	24.37	49	35-131	1	0-25	
1,2-Dichloroethane	ND	50.00	45.78	92	46.22	92	80-120	1	0-20	
1,1-Dichloroethene	ND	50.00	43.57	87	45.36	91	47-143	4	0-25	
Ethylbenzene	ND	50.00	31.18	62	30.39	61	57-129	3	0-22	
Toluene	ND	50.00	35.88	72	36.38	73	63-123	1	0-20	
Trichloroethene	ND	50.00	37.24	74	37.30	75	44-158	0	0-20	
Vinyl Chloride	ND	50.00	41.55	83	41.60	83	49-139	0	0-47	
p/m-Xylene	ND	100.0	62.33	62	56.46	56	70-130	10	0-30	3
o-Xylene	ND	50.00	31.86	64	30.78	62	70-130	3	0-30	3
Methyl-t-Butyl Ether (MTBE)	ND	50.00	46.38	93	49.10	98	57-123	6	0-21	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

LEIGHTON AND ASSOCIATES, INC.		Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205		Work Order:	15-02-0661
San Diego, CA 92123-4425		Preparation:	EPA 3550B
		Method:	EPA 8015B (M)
Project: Newland Sierra			Page 1 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-490-1426	**LCS**	**Solid**	**GC 45**	**02/10/15**	**02/11/15 14:40**	**150210B16**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Diesel	400.0	439.1	110	75-123	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

LEIGHTON AND ASSOCIATES, INC.		Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205		Work Order:	15-02-0661
San Diego, CA 92123-4425		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: Newland Sierra			Page 2 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-20394	**LCS**	**Solid**	**ICP 7300**	**02/12/15**	**02/16/15 16:53**	**150212L04**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	25.35	101	80-120	73-127	
Arsenic	25.00	25.58	102	80-120	73-127	
Barium	25.00	24.14	97	80-120	73-127	
Beryllium	25.00	24.71	99	80-120	73-127	
Cadmium	25.00	26.71	107	80-120	73-127	
Chromium	25.00	26.21	105	80-120	73-127	
Cobalt	25.00	26.88	108	80-120	73-127	
Copper	25.00	26.24	105	80-120	73-127	
Lead	25.00	26.32	105	80-120	73-127	
Molybdenum	25.00	25.78	103	80-120	73-127	
Nickel	25.00	26.79	107	80-120	73-127	
Selenium	25.00	25.36	101	80-120	73-127	
Silver	12.50	11.58	93	80-120	73-127	
Thallium	25.00	27.11	108	80-120	73-127	
Vanadium	25.00	25.57	102	80-120	73-127	
Zinc	25.00	26.67	107	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

LEIGHTON AND ASSOCIATES, INC.		Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205		Work Order:	15-02-0661
San Diego, CA 92123-4425		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: Newland Sierra			Page 3 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-272-982	**LCS**	**Solid**	**Mercury 05**	**02/16/15**	**02/16/15 17:02**	**150216L04**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.9616	115	85-121	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

LEIGHTON AND ASSOCIATES, INC.		Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205		Work Order:	15-02-0661
San Diego, CA 92123-4425		Preparation:	EPA 3545
		Method:	EPA 8082
Project: Newland Sierra			Page 4 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-535-3061	**LCS**	**Solid**	**GC 58**	**02/13/15**	**02/13/15 16:36**	**150213L05**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Aroclor-1016	100.0	91.72	92	50-135	
Aroclor-1260	100.0	91.71	92	50-135	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

LEIGHTON AND ASSOCIATES, INC.		Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205		Work Order:	15-02-0661
San Diego, CA 92123-4425		Preparation:	EPA 3545
		Method:	EPA 8082
Project: Newland Sierra			Page 5 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-535-3067	**LCS**	**Solid**	**GC 58**	**02/18/15**	**02/18/15 12:17**	**150218L01**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Aroclor-1016	100.0	83.35	83	50-135	
Aroclor-1260	100.0	85.28	85	50-135	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

LEIGHTON AND ASSOCIATES, INC.		Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205		Work Order:	15-02-0661
San Diego, CA 92123-4425		Preparation:	EPA 3545
		Method:	EPA 8270C
Project: Newland Sierra			Page 6 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-549-3202	**LCS**	**Solid**	**GC/MS SS**	**02/13/15**	**02/13/15 22:00**	**150213L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Acenaphthene	10.00	7.901	79	51-123	39-135	
Acenaphthylene	10.00	7.809	78	52-120	41-131	
Butyl Benzyl Phthalate	10.00	8.069	81	43-139	27-155	
4-Chloro-3-Methylphenol	10.00	7.312	73	55-121	44-132	
2-Chlorophenol	10.00	7.463	75	58-124	47-135	
1,4-Dichlorobenzene	10.00	6.887	69	42-132	27-147	
Dimethyl Phthalate	10.00	7.864	79	51-123	39-135	
2,4-Dinitrotoluene	10.00	9.303	93	51-129	38-142	
Fluorene	10.00	8.046	80	54-126	42-138	
N-Nitroso-di-n-propylamine	10.00	6.645	66	40-136	24-152	
Naphthalene	10.00	6.780	68	32-146	13-165	
4-Nitrophenol	10.00	7.999	80	24-126	7-143	
Pentachlorophenol	10.00	7.030	70	23-131	5-149	
Phenol	10.00	6.927	69	40-130	25-145	
Pyrene	10.00	7.227	72	47-143	31-159	
1,2,4-Trichlorobenzene	10.00	7.192	72	45-129	31-143	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

LEIGHTON AND ASSOCIATES, INC.		Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205		Work Order:	15-02-0661
San Diego, CA 92123-4425		Preparation:	EPA 3545
		Method:	EPA 8270C SIM PAHs
Project: Newland Sierra			Page 7 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-06-010-2325	**LCS**	**Solid**	**GC/MS EEE**	**02/18/15**	**02/18/15 18:26**	**150218L03**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Naphthalene	0.2000	0.1977	99	51-129	38-142	
2-Methylnaphthalene	0.2000	0.2172	109	50-127	37-140	
1-Methylnaphthalene	0.2000	0.1881	94	54-132	41-145	
Acenaphthylene	0.2000	0.2253	113	50-123	38-135	
Acenaphthene	0.2000	0.2361	118	53-125	41-137	
Fluorene	0.2000	0.2336	117	55-127	43-139	
Phenanthrene	0.2000	0.2229	111	50-122	38-134	
Anthracene	0.2000	0.2068	103	50-132	36-146	
Fluoranthene	0.2000	0.2113	106	55-127	43-139	
Pyrene	0.2000	0.2112	106	50-134	36-148	
Benzo (a) Anthracene	0.2000	0.2029	101	50-133	36-147	
Chrysene	0.2000	0.2185	109	51-129	38-142	
Benzo (k) Fluoranthene	0.2000	0.2129	106	49-150	32-167	
Benzo (b) Fluoranthene	0.2000	0.2003	100	50-142	35-157	
Benzo (a) Pyrene	0.2000	0.2083	104	50-134	36-148	
Indeno (1,2,3-c,d) Pyrene	0.2000	0.2083	104	50-148	34-164	
Dibenz (a,h) Anthracene	0.2000	0.2095	105	50-133	36-147	
Benzo (g,h,i) Perylene	0.2000	0.2135	107	50-130	37-143	

Total number of LCS compounds: 18
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

LEIGHTON AND ASSOCIATES, INC.		Date Received:	02/09/15
3934 Murphy Canyon Road, Suite B205		Work Order:	15-02-0661
San Diego, CA 92123-4425		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: Newland Sierra			Page 8 of 8

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-796-9377	**LCS**	**Solid**	**GC/MS Q**	**02/11/15**	**02/11/15 10:35**	**150211L002**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	50.00	44.81	90	78-120	71-127	
Carbon Tetrachloride	50.00	51.39	103	49-139	34-154	
Chlorobenzene	50.00	47.15	94	79-120	72-127	
1,2-Dibromoethane	50.00	47.18	94	80-120	73-127	
1,2-Dichlorobenzene	50.00	45.26	91	75-120	68-128	
1,2-Dichloroethane	50.00	46.89	94	80-120	73-127	
1,1-Dichloroethene	50.00	46.47	93	74-122	66-130	
Ethylbenzene	50.00	45.64	91	76-120	69-127	
Toluene	50.00	45.49	91	77-120	70-127	
Trichloroethene	50.00	44.79	90	80-120	73-127	
Vinyl Chloride	50.00	41.15	82	68-122	59-131	
p/m-Xylene	100.0	96.59	97	75-125	67-133	
o-Xylene	50.00	48.40	97	75-125	67-133	
Methyl-t-Butyl Ether (MTBE)	50.00	44.58	89	77-120	70-127	

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 15-02-0661 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
CA Fish and Game	N/A	691	TANK	1
EPA 6010B	EPA 3050B	935	ICP 7300	1
EPA 7471A	EPA 7471A Total	915	Mercury 05	1
EPA 8015B (M)	EPA 3550B	421	GC 45	1
EPA 8015B (M)	EPA 3550B	682	GC 45	1
EPA 8082	EPA 3545	944	GC 58	1
EPA 8260B	EPA 5030C	905	GC/MS Q	2
EPA 8270C	EPA 3545	923	GC/MS SS	1
EPA 8270C SIM PAHs	EPA 3545	966	GC/MS EEE	1

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Glossary of Terms and Qualifiers

Work Order: 15-02-0661 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

CHAIN-OF-CUSTODY RECORD

WO NO. / LAB USE ONLY: **15-02-0661**

DATE: 2/6/15

PAGE: 1 OF 1

LABORATORY CLIENT: Leighton Associates

ADDRESS: 3934 Murphy Canyon RD.

CITY: San Diego STATE: CA ZIP: 92123

TEL: (858) 300-8497 E-MAIL: bvoss_leightongroup.com

CLIENT PROJECT NAME / NO.: Newland Sierra

P.O. NO.: 10618.005

PROJECT CONTACT: Bryan Voss

LAB CONTACT OR QUOTE NO.:

GLOBAL ID:

LOG CODE:

SAMPLER(S): (PRINT) Bryan Voss

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ STANDARD

EDD:
☐ COELT EDF ☐ OTHER

SPECIAL INSTRUCTIONS:

P.M. Richard Vaillafania

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	TPH(g) ☐ GRO	TPH(d) ☐ DRO	TPH ☐ C6-C36 ☒ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6				
1	South Bottom	2/6/15	3:45pm	Soil	1						X														
2	East Sidewall	2/6/15	4:00pm		1						X														
3	North Bottom	2/6/15	4:15pm		1						X														
4	West Sidewall	2/6/15	4:30pm		1						X														
5	SP-1	2/9/15	7:00 AM		2						X			X			X		X		X				
6	SP-2	2/9/15	7:10 AM		2						X			X			X		X		X				
7	SP-3	2/9/15	7:15 AM		2						X			X			X		X		X				
8	SP-4	2/9/15	7:30 AM		2						X			X			X		X		X				

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature] ECI	02/09/15	16:00
[signature]	Damngle ECI	2/9/15	20:05

2014-07-01 Revision

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Richard Villafania

From: Bryan Voss [bvoss@leightongroup.com]
Sent: Wednesday, February 18, 2015 7:42 AM
To: Richard Villafania
Cc: Kevin Bryan; Kris Lutton
Subject: FW: Newland Sierra / 10618.005 / ECI 15-02-0661 Report
Attachments: 15-02-0661.pdf; 15020661.xls

Richard,

Please run PCBs (8082) and SIM PAHs (8270S SIM) on sample “South Bottom” on a 72 hr. TAT please.

If you have any question please let me know.

Bryan Voss

From: Richard Villafania [mailto:RichardVillafania@eurofinsUS.com]
Sent: Tuesday, February 17, 2015 4:18 PM
To: Bryan Voss
Subject: Newland Sierra / 10618.005 / ECI 15-02-0661 Report

Regards.

Richard Villafania
Project Manager

Eurofins Calscience, Inc.
7440 Lincoln Way
GARDEN GROVE, CA 92841
USA
Phone: +1 714 895 5494
Website: www.calscience.com

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Richard Villafania

From: Bryan Voss [bvoss@leightongroup.com]
Sent: Monday, February 23, 2015 12:35 PM
To: Richard Villafania
Cc: Kevin Bryan; Kris Lutton
Subject: RE: Newland Sierra / 10618.005 / ECI 15-02-0661 Supplement Report

Richard,

In review the current analytical test results, we need to order the 96-hour Acute Bioassay for sample SP-4.

If you have any question please let me know.

Bryan Voss

From: Richard Villafania [mailto:RichardVillafania@eurofinsUS.com]
Sent: Friday, February 20, 2015 1:30 PM
To: Bryan Voss
Cc: Kevin Bryan; Kris Lutton
Subject: Newland Sierra / 10618.005 / ECI 15-02-0661 Supplement Report

Bryan,

Supplement report attached regarding the additional analyses.

Regards.

Richard Villafania
Project Manager

Eurofins Calscience, Inc.
7440 Lincoln Way
GARDEN GROVE, CA 92841
USA
Phone: +1 714 895 5494
Website: www.calscience.com

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Richard Villafania

From: Bryan Voss [bvoss@leightongroup.com]
Sent: Friday, March 13, 2015 9:17 AM
To: Richard Villafania
Subject: RE: Newland Sierra / ECI 15-02-0661 revised report

Please run 96hr Bioassay on SP-3 the highest concentration of the stockpile material.

Bryan Voss

From: Richard Villafania [mailto:RichardVillafania@eurofinsUS.com]
Sent: Friday, March 13, 2015 9:14 AM
To: Bryan Voss
Subject: RE: Newland Sierra / ECI 15-02-0661 revised report

Bryan,

Revised report attached, please confirm which sample you require the 96hr Bioassay.

Regards.

Richard Villafania
Project Manager

Eurofins Calscience, Inc.
7440 Lincoln Way
GARDEN GROVE, CA 92841
USA
Phone: +1 714 895 5494
Website: www.calscience.com

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WORK ORDER #: 15-02-0667

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: LEIGHTON

DATE: 02/09/15

TEMPERATURE: Thermometer ID: SC4 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 1.6 °C + 0.2 °C (CF) = 1.8 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter **Checked by:** 671

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Checked by:** 671

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Checked by:** 977

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☑4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 977

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** 689

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:** $Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** 689

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