GETTLER-RYAN INC.

TRANSMITTAL

TO: Mr. Stephen W. Craford
City of Oakland Fire Services Agency
505 - 14th Street, Suite 702
Oakland, California 94612

DATE: March 4, 1999
PROJ. #: 140199.03
SUBJECT: Waste Oil Tank Removal Report
Tosco 76 Facility No. 11122
3101 98th Avenue
Oakland, California

FROM:
David J. Vossler
Project Manager
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

STID 1129

WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
1	March 4, 1999	Waste Oil Tank Removal Report

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[ ] For review and comment [ ] Approved as submitted [ ] Resubmit __ copies for approval

[ ] As requested [ ] Approved as noted [ ] Submit __ copies for distribution

[ ] For approval [ ] Return for corrections [ ] Return __ corrected prints

[X] For Your Files

COMMENTS:

At the request of Tosco Marketing Company, we are sending one copy of the referenced report for your files. ~~If you have any questions, please~~ call me at (925) 551-7555.

cc: Mr. David B. De Witt, Tosco Marketing Company
925 277 2384

2000 CROW CANYON PL
SUITE 400
SAN RAMON
94583

GETTLER-RYAN INC.

March 4, 1999

Mr. David B. De Witt
Tosco Marketing Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

Subject: **Waste Oil Underground Storage Tank Removal Report for Tosco 76 Branded Facility No. 11122, 3101 98th Avenue, Oakland, California.**

Dear Mr. De Witt:

At the request of Tosco Marketing Company, Gettler-Ryan Inc. (GR) conducted a soil investigation during the recent removal of the waste oil underground storage tank (UST) at the subject site. The purpose was to assess the extent of petroleum impact in the soil near the former waste oil UST. GR's scope of work included: observing removal of the former UST; collecting soil samples from beneath the former waste oil UST, and from the soil stockpile; submitting soil samples for analysis; coordinating disposal of the soil stockpile; and preparing a report of the field activities and analytical results. Tank removal and excavation activities were performed by GR of Dublin, California.

SITE DESCRIPTION

The subject site is an active service station located on the southwest corner of the intersection of 98th Avenue and Las Vegas Avenue in Oakland, California (Figure 1). Aboveground facilities consist of two service islands and a station building. Two fuel USTs share a common pit near south side of the service islands. One new 500-gallon double-walled fiberglass waste oil UST was installed in the same pit by GR. Pertinent site features are shown on Figure 2.

FIELD WORK

Sampling was performed in accordance with the GR Field Methods and Procedures (attached). All soil samples collected during this investigation were submitted under chain-of-custody to Sequoia Analytical Laboratory in Walnut Creek, California (ELAP #1271). Analytical methods and results are summarized in Table 1. Copies of the laboratory analytical reports and chain-of-custody records are attached. Mr. Stephen W. Craford of the City of Oakland Fire Services Agency (COFSA) was present at the site to observe former waste oil UST removal and sample collection.

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Waste Oil UST Removal and Soil Sampling

On December 3, 1998, one 280-gallon single-walled steel waste oil UST was uncovered and removed from the site. Upon removal, the UST was visually inspected for evidence of failure. No holes or cracks were observed in the tank. The UST was removed from the site and disposed of by Ecology Control Industries (ECI) of Richmond, California.

Limits of the former waste oil UST pit is shown on Figure 2. Native soil beneath the former waste oil UST consisted of silty clay. Following UST removal, one soil sample, labeled WO1(10), was collected from beneath the waste oil UST at a depth of approximately 10 feet below ground surface (bgs). Soil sample location is shown on the attached Figure 2. Groundwater was not encountered during this investigation. Approximately 25 cubic yards of soil was removed and stockpiled on-site during tank removal and sampling activities. One stockpile soil sample, labeled Comp WO, was collected for disposal characterization.

ANALYTICAL RESULTS

The soil samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by Environmental Protection Agency (EPA) Method 5030/8010 Modified, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8020, methyl tert-butyl ether (MTBE) by EPA Method 8020, total petroleum hydrocarbons as diesel (TPHd) by EPA Method 3550/8015 Modified, Oil and Grease (O&G) by Standard Methods 5520 E&F, halogenated volatile organic compounds (HVOCs) by EPA Method 5030/8010, semi-volatile organic compounds (SVOCs) by EPA Method 8270, and the metals cadmium, chromium, lead, nickel, and zinc.

The analytical results for sample WO1(10) showed non-detectable concentrations of TPHg, BTEX, MTBE, HVOCS, and SVOCs. O&G and TPHd (reported by the laboratory as unidentified hydrocarbons >C16) were detected in soil sample WO1(10) at a concentrations of 1.3 and 320 ppm, respectively. The composite soil sample (Comp WO) contained TPHg (reported by the laboratory as unidentified hydrocarbons >C8) at 51 ppm, xylenes at 0.73 ppm, TPHd (reported by the laboratory as unidentified hydrocarbons >C15) at 250 ppm, and O&G at 990 ppm. Benzene, toluene, ethylbenzene, MTBE, HVOCs, and SVOCs were all non-detctable in sample Comp WO. Metal concentrations are summarized in Table 1.

SOIL DISPOSAL

On January 11, 1999, Denbeste Transportation, Inc. of Windsor, California, removed the soil stockpile from the site and transported a total of 22.54 tons of soil to the Safety-Kleen, Inc. disposal facility in Buttonwillow, California. A copy of the soil disposal documentation is attached.

If you have any questions please call us in Dublin at (925) 551-7555.

Sincerely,
Gettler-Ryan Inc.

Hagop Kevork
Staff Engineer
P.E. C55734

REGISTERED PROFESSIONAL ENGINEER
HAGOP KEVORK
No. C 55734
Exp. 12/31/00
CIVIL
STATE OF CALIFORNIA

FOR — 415 893 1515

David J. Vossler
Project Manager

Attachments: Table 1. Analytical Results
Figure 1. Vicinity Map
Figure 2. Site Plan/Sample Location Map
Soil Disposal Documentation
GR Field Methods and Procedures
Laboratory Analytical Reports and Chain-of-Custody Records

Table 1 - Soil Chemical Analytical Data

Tosco 76 Branded Facility No. 11122
3101 98th Avenue
Oakland, California

Sample ID	Date Collected	Sample Depth (feet)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-Benzene (ppm)	Xylenes (ppm)	MTBE (ppm)	TPHd (ppm)	O&G (ppm)	HVOCs (ppb)	SVOCs (ppb)
WASTE OIL UST PIT EXCAVATION												
WO1(10)	12/3/98	10.0	ND	ND	ND	ND	ND	ND	1.3[1]	320	ND	ND
WASTE OIL UST PIT STOCKPILE												
Comp WO	12/3/98	NA	51[2]	ND	ND	ND	0.73	ND	250[3]	990	ND	ND

Sample ID	Date Collected	Sample Depth (feet)	Lead (ppm)	Chromium (ppm)	Nickel (ppm)	Zinc (ppm)	Cadmium (ppm)
WO1(10)	12/3/98	10.0	22	710	300	110	ND
Comp WO	12/3/98	NA	85[4]	240	130	60	ND

EXPLANATION:
ND = none detected
NA = not applicable
ppm = parts per million
ppb = parts per billion

ANALYTICAL LABORATORY;
Sequoia Analytical (ELAP # 1271)

Table 1 - Soil Chemical Analytical Data

Tosco 76 Branded Facility No. 11122
3101 98th Avenue
Oakland, California

NOTES:

[1] = Laboratory report indicates unidentified hydrocarbons >C16

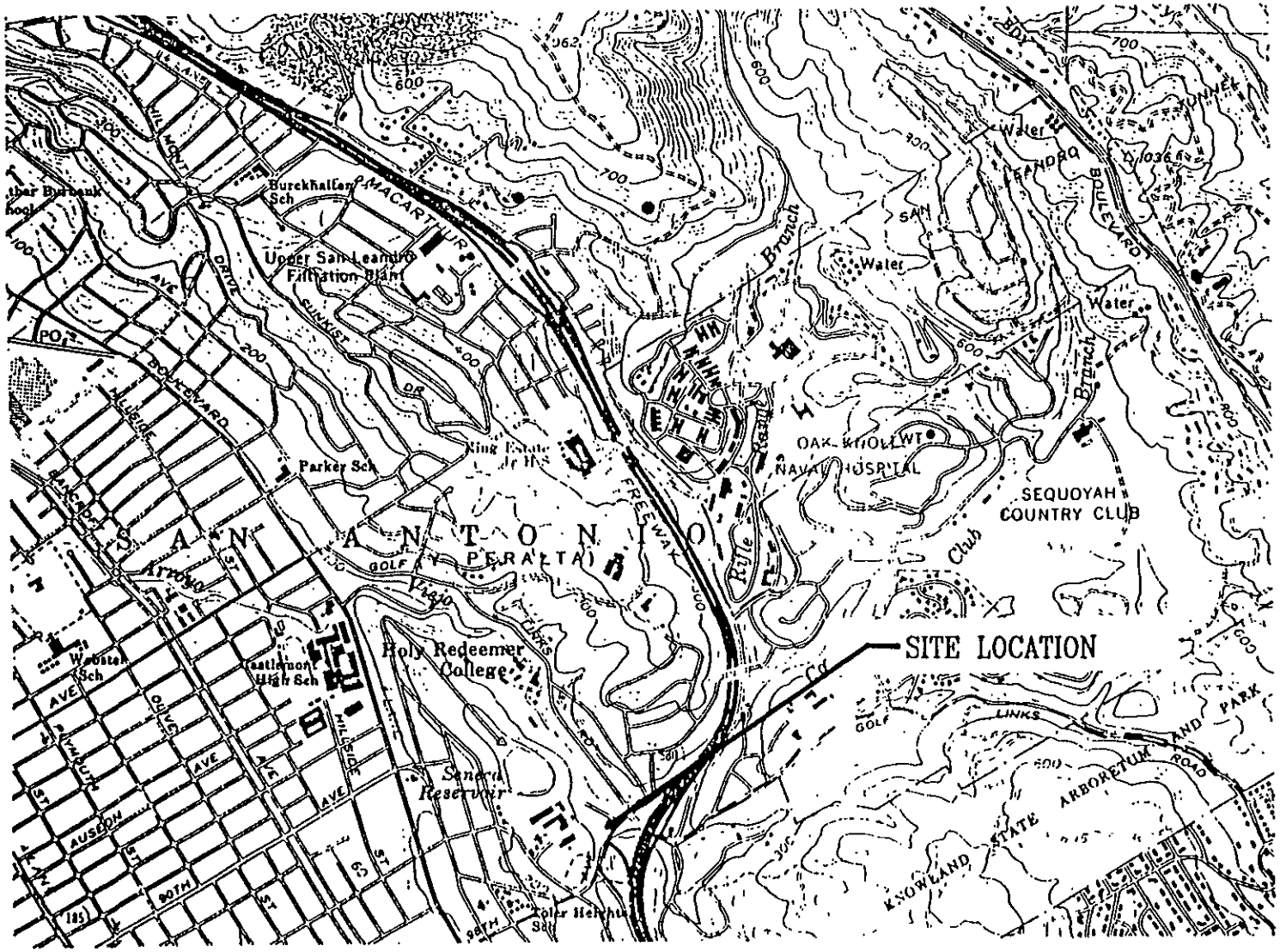
[2] = Laboratory report indicates unidentified hydrocarbons >C8

[3] = Laboratory report indicates unidentified hydrocarbons >C15

[4] = Also analyzed for STLC lead (9.0 ppm) and TCLP lead (0.20 ppm)

ANALYTICAL METHODS:

TPHg = Total Petroleum Hydrocarbons as gasoline according to EPA Method 8015 Modified.
BTEX = benzene, toluene, ethylbenzene, and xylenes according to EPA Method 8020.
MTBE = methyl tert-butyl ether according to EPA Method 8020.
TPHd = Total Petroleum Hydrocarbons as diesel according to EPA Method 8015 Modified.
O&G = Total recoverable petroleum oil according to Standard Methods 5520 E&F(Gravimetric).
HVOCs = Halogenated volatile organic compounds according to EPA Method 8010.
SVOCs = Semi-volatile organic compounds according to EPA Method 8270.
Metals = EPA Method 6010.



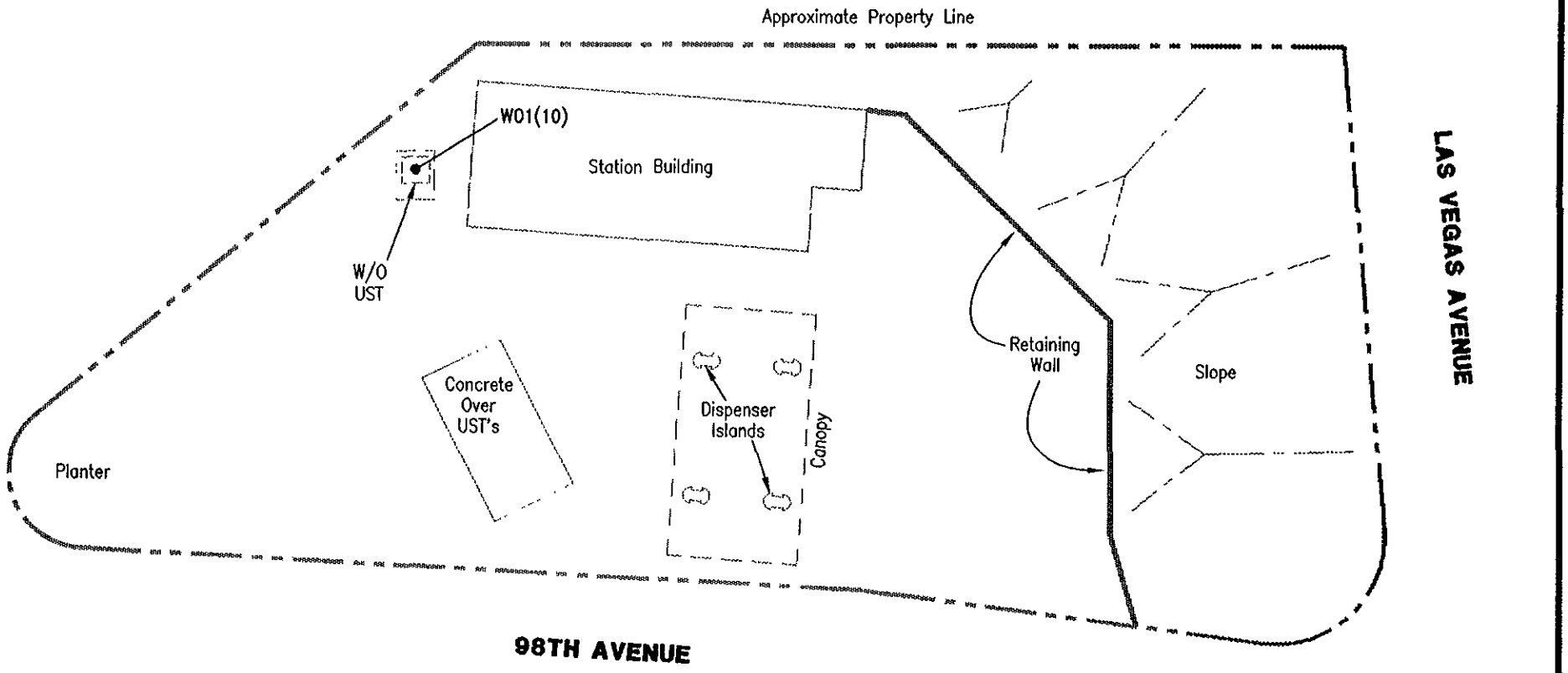
Base Map: USGS Topographic Map

FIGURE 1

Gettler - Ryan Inc.
6747 Sierra Ct., Suite J (925) 551-7555
Dublin, CA 94568

VICINITY MAP
Tosco 76 Branded Facility #11122
3101 98th Avenue
Oakland, California

JOB NUMBER 140199
REVIEWED BY
DATE September, 1998
REVISED DATE



EXPLANATION

- Soil sample

N

0 30

Scale in Feet

Sourse: EMCON Northwest, Inc. Site Plan dated 12-22-94

Gettler - Ryan Inc.
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Dublin, CA 94568

SOIL SAMPLE LOCATION MAP
Tosco 76 Branded Facility #11122
3101 98th Avenue
Oakland, California

FIGURE
2

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
140199.03		December, 1998	

Weighmaster # 1040522

Safety-Kleen (Buttonwillow), Inc.
2500 West Lokern Road • Buttonwillow, CA 93206 • (805) 762-7372

WEIGHMASTER CERTIFICATE: WASTE TRACKING FORM

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.

Weighed at 2500 W. Lokern Rd., Buttonwillow, CA.

Work Order #: 9901347
WMU #: 33
Grid/Bay: 28-E-17

Scal

Gross by: MERCED MORENO : deputy 01/11/99 11:30
Tare by: MERCED MORENO : deputy 01/11/99 12:27

RECEIVED
MAR 05 1999
GETTLER-RYAN INC.

Gross Weight	84,100	lbs
Tare Weight	39,020	lbs
Net Weight	45,080	lbs
Net Weight	22.54	tons

GENERATOR INFORMATION

Generator: TOSCO MARKETING CO Location: TOSCO FACILITY 11122
Approval #: 20410-BDC-0199 Waste Name: SOIL W/ LEAD
Manifest #: 98523236 Hazardous Class: CA HAZ Physical State: SOLID Station #:
State Waste Code(s): 611 EPA Waste Code(s):

TRANSPORTER INFORMATION

Transporter: DEN BESTE Truck #: 12 Truck Type: END DUMP # of Bins: 1
Truck License #: XD49897 Trailer License #: GT59170 Trailer License #: Washout (hrs):

WASTE VERIFICATION ANALYSIS

Analyst: VEENA HAHNOUDEH Sampler: ROQUE BARRERAZ Method: SCOOP

Test	Container ID# 9901347-1 Result	OK?	Container ID# Result	OK?	Container ID# Result	OK?	Container ID# Result	OK?	Container Information Number	Size
VIS(1)	OK	Y								
PH(3)	8.44	Y								
SUL(8A)	NEG	Y								
CYA(9A)	NEG	Y								
FL(21)	NO	Y								
ABSP(26)	N/A	Y								

COMMENTS: DELAY DUE TO LOAD ARRIVING AS THE SAMPLE

I CERTIFY THAT THE HAULER ABOVE DELIVERED THE DESCRIBED WASTE TO THIS DISPOSAL FACILITY AND IT WAS ACCEPTABLE MATERIAL UNDER THE TERMS OF APPLICABLE PERMITS.

TSDF Signature:

I CERTIFY THAT THE DESCRIBED WASTE WAS HAULED BY ME TO THE WASTE MANAGEMENT FACILITY NAMED ABOVE.

Driver Signature:

State of California—Environmental Protection Agency
Form Approved OMB No. 2050–0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAR000039821 | Manifest Document No.: 9 78 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: Tosco Marketing, 2000 Crow Canyon Pl. San Ramon CA 94583

4. Generator's Phone (510) 277-2321

A. State Manifest Document Number: 98522236

B. State Generator's ID

5. Transporter 1 Company Name: Dunbar Transportation Inc. | 6. US EPA ID Number: CA098251 3632

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: Safety Kleen, 2500 W. Lokern Rd, Buttonwillow CA 93206 | 10. US EPA ID Number: CAD980675276

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA Hazardous Waste Solid	001	CM	40420	Y	State / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: [illegible]

K. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information: 24 hour Emergency # 707-238-1407 Bin# DB805
Used Wear Paper Protective Clothing [illegible]

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

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
[illegible] Authorized Agent for Tosco	[signature]	01	04	99

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
William A. Best	[signature]	01	04	99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Merced Moreno	[signature]	01	11	98

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (4/97)
EPA 8700—22

Green: TRANSPORTER RETAINS

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER, 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR

GETTLER-RYAN INC.

FIELD METHODS AND PROCEDURES

Site Safety Plan

Field work performed by Gettler-Ryan Inc. (GR) is conducted in accordance with GR's Health and Safety Plan and the Site Safety Plan. GR personnel and subcontractors who perform work at the site are briefed on the contents of these plans prior to initiating site work. The GR geologist or engineer at the site when the work is performed acts as the Site Safety Officer. GR utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

Collection of Samples

Soil samples are collected from the wall or base of the excavation with a hand-driven sampling device fitted with a 2-inch-diameter, clean brass tube or stainless steel liner. If safety considerations preclude collection of the samples with the drive sampler, the excavating equipment is used to bring soil from the pit wall to the surface, where a sample tube is filled by driving it into the soil in the excavator's bucket. After removal from the sampling device, sample tubes are covered on both ends with teflon sheeting, capped, labeled, and place in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory.

If it is necessary to collect a sample of groundwater standing in the UST pit, the sample is collected by lowering a new, clean teflon bailer into the pit from a safe position along the pit wall. Once filled and retrieved, the groundwater in the bailer is carefully decanted into the appropriate containers supplied by the analytical laboratory. If required, preservative is added to the sample bottles by the laboratory prior to delivery. The samples are then labeled and place in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory.

Field Screening of Soil Samples

A PID is used to perform head-space analysis in the field for the presence of organic vapors from soil samples. This test procedure involves placing a small amount of the soil to be screened in a sealable plastic bag. The bag is warmed in the sun to allow organic compounds in the soil sample to volatilize. The PID probe is inserted through the wall of the bag and into the headspace inside, and the meter reading is recorded in the field notes. An alternative method involves placing a plastic cap over the end of the sample tube. The PID probe is placed through a hole in the plastic cap, and vapors with the covered tube measured. Head-space screening is performed and results recorded as reconnaissance data only. GR does not consider field screening techniques to be verification of the presence or absence of hydrocarbons.

Storing and Sampling of Soil Stockpiles

Excavated material is stockpiled on and covered with plastic sheeting. Stockpile samples are collected and analyzed for disposal classification on the basis of one composite sample per 100 cubic yards of soil. Stockpile samples are composed of four discrete soil samples, each collected from an arbitrary location on the stockpile. The four discrete samples are then composited in the laboratory prior to analysis. Each discrete stockpile sample is collected by removing the upper 12 to 18 inches of soil, and them driving the stainless steel or brass sample tube into the stockpiled material with a mallet or drive sampler. The sample tubes are then covered on both ends with teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory. Stockpiled soils are covered with plastic sheeting after completion of sampling.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler-Ryan - Dublin	Client Project ID:	Tosco #11122, Oakland	Sampled: Dec 3, 1998
6747 Sierra Court, Suite J	Sample Matrix:	Soil	Received: Dec 3, 1998
Dublin, CA 94568	Analysis Method:	EPA 5030/8015 Mod./8020	Reported: Dec 14, 1998
Attention: Haig Kevork	First Sample #:	812-0381	

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE

Analyte	Reporting Limit mg/Kg	Sample I.D. 812-0381 WO1(10)
Purgeable Hydrocarbons	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Total Xylenes	0.0050	N.D.
MTBE	0.050	N.D.
Chromatogram Pattern:		--

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Analyzed:	12/8/98
Instrument Identification:	HP-4
Surrogate Recovery, %: (QC Limits = 40-140%)	93

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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Gettler-Ryan - Dublin	Client Project ID:	Tosco #11122, Oakland	Sampled: Dec 3, 1998
6747 Sierra Court, Suite J	Sample Matrix:	Soil	Received: Dec 3, 1998
Dublin, CA 94568	Analysis Method:	EPA 3550/8015 Mod.	Reported: Dec 14, 1998
Attention: Haig Kevork	First Sample #:	812-0381	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit mg/kg	Sample I.D. 812-0381 WO1(10)
Extractable Hydrocarbons	1.0	1.3
Chromatogram Pattern:		Unidentified Hydrocarbons >C16

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Extracted:	12/4/98
Date Analyzed:	12/7/98
Instrument Identification:	HP-3A

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

8120381.GET <2>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler-Ryan - Dublin	Client Project ID:	Tosco #11122, Oakland	Sampled:	Dec 3, 1998
6747 Sierra Court, Suite J	Matrix Descript:	Soil	Received:	Dec 3, 1998
Dublin, CA 94568	Analysis Method:	SM 5520 E&F (Gravimetric)	Extracted:	Dec 3, 1998
Attention: Haig Kevork	First Sample #:	812-0381	Analyzed:	Dec 3, 1998
			Reported:	Dec 14, 1998

TOTAL RECOVERABLE PETROLEUM OIL

Sample Number	Sample Description	Oil & Grease mg/kg (ppm)	Detection Limit Multiplication Factor
812-0381	WO1(10)	320	1.0

Detection Limits:	50

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

8120381.GET <3>

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler-Ryan - Dublin	Client Project ID:	Tosco #11122, Oakland	Sampled:	Dec 3, 1998
6747 Sierra Court, Suite J	Sample Descript:	Soil, WO1(10)	Received:	Dec 3, 1998
Dublin, CA 94568	Analysis Method:	EPA 5030/8010	Analyzed:	Dec 4, 1998
Attention: Haig Kevork	Lab Number:	812-0381	Reported:	Dec 14, 1998

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	25	N.D.
Bromoform	25	N.D.
Bromomethane	50	N.D.
Carbon tetrachloride	25	N.D.
Chlorobenzene	25	N.D.
Chloroethane	50	N.D.
2-Chloroethylvinyl ether	50	N.D.
Chloroform	25	N.D.
Chloromethane	50	N.D.
Dibromochloromethane	25	N.D.
1,2-Dichlorobenzene	25	N.D.
1,3-Dichlorobenzene	25	N.D.
1,4-Dichlorobenzene	25	N.D.
1,1-Dichloroethane	25	N.D.
1,2-Dichloroethane	25	N.D.
1,1-Dichloroethene	25	N.D.
cis-1,2-Dichloroethene	25	N.D.
trans-1,2-Dichloroethene	25	N.D.
1,2-Dichloropropane	25	N.D.
cis-1,3-Dichloropropene	25	N.D.
trans-1,3-Dichloropropene	25	N.D.
Methylene chloride	250	N.D.
1,1,2,2-Tetrachloroethane	25	N.D.
Tetrachloroethene	25	N.D.
1,1,1-Trichloroethane	25	N.D.
1,1,2-Trichloroethane	25	N.D.
Trichloroethene	25	N.D.
Trichlorofluoromethane	25	N.D.
Vinyl chloride	50	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	82
4-Bromofluorobenzene	50	150	67

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Sequoia Analytical

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Gettler-Ryan - Dublin	Client Project ID:	Tosco #11122, Oakland	Sampled:	Dec 3, 1998
6747 Sierra Court, Suite J	Sample Descript:	Soil, WO1(10)	Received:	Dec 3, 1998
Dublin, CA 94568	Analysis Method:	EPA 8270	Extracted:	Dec 4, 1998
Attention: Haig Kevork	Lab Number:	812-0381	Analyzed:	Dec 10, 1998
			Reported:	Dec 14, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acenaphthene	2,000	N.D.
Acenaphthylene	2,000	N.D.
Aniline	2,000	N.D.
Anthracene	2,000	N.D.
Benzidine	50,000	N.D.
Benzoic Acid	10,000	N.D.
Benzo(a)anthracene	2,000	N.D.
Benzo(b)fluoranthene	2,000	N.D.
Benzo(k)fluoranthene	2,000	N.D.
Benzo(g,h,i)perylene	2,000	N.D.
Benzo(a)pyrene	2,000	N.D.
Benzyl alcohol	2,000	N.D.
Bis(2-chloroethoxy)methane	2,000	N.D.
Bis(2-chloroethyl)ether	2,000	N.D.
Bis(2-chloroisopropyl)ether	2,000	N.D.
Bis(2-ethylhexyl)phthalate	10,000	N.D.
4-Bromophenyl phenyl ether	2,000	N.D.
Butyl benzyl phthalate	2,000	N.D.
4-Chloroaniline	2,000	N.D.
2-Chloronaphthalene	2,000	N.D.
4-Chloro-3-methylphenol	2,000	N.D.
2-Chlorophenol	2,000	N.D.
4-Chlorophenyl phenyl ether	2,000	N.D.
Chrysene	2,000	N.D.
Dibenz(a,h)anthracene	2,000	N.D.
Dibenzofuran	2,000	N.D.
Di-N-butyl phthalate	10,000	N.D.
1,3-Dichlorobenzene	2,000	N.D.
1,4-Dichlorobenzene	2,000	N.D.
1,2-Dichlorobenzene	2,000	N.D.
3,3-Dichlorobenzidine	10,000	N.D.
2,4-Dichlorophenol	2,000	N.D.
Diethyl phthalate	2,000	N.D.
2,4-Dimethylphenol	2,000	N.D.
Dimethyl phthalate	2,000	N.D.
4,6-Dinitro-2-methylphenol	10,000	N.D.
2,4-Dinitrophenol	10,000	N.D.
2,4-Dinitrotoluene	2,000	N.D.
2,6-Dinitrotoluene	2,000	N.D.
Di-N-octyl phthalate	2,000	N.D.

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler-Ryan - Dublin	Client Project ID:	Tosco #11122, Oakland	Sampled:	Dec 3, 1998
6747 Sierra Court, Suite J	Sample Descript:	Soil, WO1(10)	Received:	Dec 3, 1998
Dublin, CA 94568	Analysis Method:	EPA 8270	Extracted:	Dec 4, 1998
Attention: Haig Kevork	Lab Number:	812-0381	Analyzed:	Dec 10, 1998
			Reported:	Dec 14, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Fluoranthene	2,000	N.D.
Fluorene	2,000	N.D.
Hexachlorobenzene	2,000	N.D.
Hexachlorobutadiene	2,000	N.D.
Hexachlorocyclopentadiene	2,000	N.D.
Hexachloroethane	2,000	N.D.
Indeno(1,2,3-cd)pyrene	2,000	N.D.
Isophorone	2,000	N.D.
2-Methylnaphthalene	2,000	N.D.
2-Methylphenol	2,000	N.D.
4-Methylphenol	2,000	N.D.
Naphthalene	2,000	N.D.
2-Nitroaniline	10,000	N.D.
3-Nitroaniline	10,000	N.D.
4-Nitroaniline	10,000	N.D.
Nitrobenzene	2,000	N.D.
2-Nitrophenol	2,000	N.D.
4-Nitrophenol	10,000	N.D.
N-Nitrosodimethylamine	2,000	N.D.
N-Nitrosodiphenylamine	2,000	N.D.
N-Nitroso-di-N-propylamine	2,000	N.D.
Pentachlorophenol	10,000	N.D.
Phenanthrene	2,000	N.D.
Phenol	2,000	N.D.
Pyrene	2,000	N.D.
1,2,4-Trichlorobenzene	2,000	N.D.
2,4,5-Trichlorophenol	10,000	N.D.
2,4,6-Trichlorophenol	2,000	N.D.

Surrogates	Control Limit %		% Recovery
2-Fluorophenol	25	121	110
Phenol-d6	24	113	113
Nitrobenzene-d5	23	120	116
2-Fluorobiphenyl	30	115	135 *
2,4,6-Tribromophenol	19	122	117
4-Terphenyl-d14	18	137	126

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Julianne Fegley
Project Manager

Please Note:
* Surrogate recovery above control limit due to coelution.

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Sequoia Analytical

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Gettler-Ryan - Dublin	Client Project ID:	Tosco #11122, Oakland	Sampled:	Dec 3, 1998
6747 Sierra Court, Suite J	Sample Descript:	Soil, WO1(10)	Received:	Dec 3, 1998
Dublin, CA 94568			Digested:	Dec 4, 1998
Attention: Haig Kevork	Lab Number:	812-0381	Analyzed:	Dec 7, 1998
			Reported:	Dec 14, 1998

LUFT METALS

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Cadmium	0.50	N.D.
Chromium	0.50	710
Lead	1.0	22
Nickel	1.0	300
Zinc	1.0	110

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

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Sequoia Analytical

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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Haig Kevork

Client Project ID: Tosco #11122, Oakland
Matrix: Solid
QC Sample Group: 812-0381

Reported: Dec 14, 1998

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	C. Westwater	C. Westwater	C. Westwater	C. Westwater
MS/MSD Batch#:	8120549	8120549	8120549	8120549
Date Prepared:	12/8/98	12/8/98	12/8/98	12/8/98
Date Analyzed:	12/8/98	12/8/98	12/8/98	12/8/98
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	0.80 mg/kg	0.80 mg/kg	0.80 mg/kg	2.4 mg/kg
Matrix Spike % Recovery:	104	89	93	104
Matrix Spike Duplicate % Recovery:	114	98	100	113
Relative % Difference:	9.2	9.4	7.8	7.7
LCS Batch#:	4LCS120898	4LCS120898	4LCS120898	4LCS120898
Date Prepared:	12/8/98	12/8/98	12/8/98	12/8/98
Date Analyzed:	12/8/98	12/8/98	12/8/98	12/8/98
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
LCS % Recovery:	96	83	85	96
% Recovery Control Limits:	50-150	50-150	50-150	50-150

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Haig Kevork

Client Project ID: Tosco #11122, Oakland
Matrix: Solid
QC Sample Group: 812-0381

Reported: Dec 14, 1998

QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Diesel	Oil & Grease
Method:	EPA 8010	EPA 8010	EPA 8010	EPA 8015M.	SM 5520
Analyst:	P. Kosovskaya	P. Kosovskaya	P. Kosovskaya	K. Grubb	K. Grubb
MS/MSD Batch#:	8120329	8120329	8120329	8112072	8112072
Date Prepared:	12/3/98	12/3/98	12/3/98	12/2/98	12/3/98
Date Analyzed:	12/3/98	12/3/98	12/3/98	12/3/98	12/3/98
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-3B	Manual
Conc. Spiked:	1000 µg/kg	1000 µg/kg	1000 µg/kg	15 mg/kg	5000 mg/kg
Matrix Spike % Recovery:	95	89	84	73	118
Matrix Spike Duplicate % Recovery:	96	94	98	73	116
Relative % Difference:	1.0	5.5	15	0.0	1.7
LCS Batch#:	LCS120498	LCS120498	LCS120498	LCS120498	LCS120398
Date Prepared:	12/4/98	12/4/98	12/4/98	12/4/98	12/3/98
Date Analyzed:	12/4/98	12/4/98	12/4/98	12/4/98	12/3/98
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-3A	Manual
LCS % Recovery:	99	92	96	87	98
% Recovery Control Limits:	65-135	70-130	70-130	60-140	70-130

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Haig Kevork

Client Project ID: Tosco #11122, Oakland
Matrix: Solid
QC Sample Group: 812-0381

Reported: Dec 14, 1998

QUALITY CONTROL DATA REPORT

ANALYTE	Phenol	2-Chlorophenol	1,4-Dichloro-benzene	N-Nitroso-Di-N-propylamine	1,2,4-Trichloro-benzene	4-Chloro-3-Methylphenol
Prep. Method:	EPA 3550	EPA 3550	EPA 3550	EPA 3550	EPA 3550	EPA 3550
Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Analyst:	L. Diaz	L. Diaz	L. Diaz	L. Diaz	L. Diaz	L. Diaz
MS/MSD Batch#:	8111814	8111814	8111814	8111814	8111814	8111814
Date Prepared:	11/30/98	11/30/98	11/30/98	11/30/98	11/30/98	11/30/98
Date Analyzed:	11/30/98	11/30/98	11/30/98	11/30/98	11/30/98	11/30/98
Instrument I.D.#:	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1
Conc. Spiked:	5000 µg/kg	5000 µg/kg	3300 µg/kg	3300 µg/kg	3300 µg/kg	5000 µg/kg
Matrix Spike % Recovery:	70	80	79	94	85	86
Matrix Spike Duplicate % Recovery:	64	74	70	85	76	78
Relative % Difference:	9.0	7.8	12	10	11	9.8
RPD Limit:	0-40	0-40	0-40	0-40	0-40	0-40
LCS Batch#:	BLK120498	BLK120498	BLK120498	BLK120498	BLK120498	BLK120498
Date Prepared:	12/4/98	12/4/98	12/4/98	12/4/98	12/4/98	12/4/98
Date Analyzed:	12/8/98	12/8/98	12/8/98	12/8/98	12/8/98	12/8/98
Instrument I.D.#:	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1
LCS % Recovery:	74	82	82	94	85	86
% Recovery Control Limits:	26-90	25-102	28-104	41-126	38-107	26-103

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Haig Kevork

Client Project ID: Tosco #11122, Oakland
Matrix: Solid
QC Sample Group: 812-0381

Reported: Dec 14, 1998

QUALITY CONTROL DATA REPORT

ANALYTE	Acenaphthene	4-Nitrophenol	2,4-Dinitro-toluene	Pentachloro-phenol	Pyrene
Prep. Method:	EPA 3550	EPA 3550	EPA 3550	EPA 3550	EPA 3550
Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Analyst:	L. Diaz	L. Diaz	L. Diaz	L. Diaz	L. Diaz
MS/MSD Batch#:	8111814	8111814	8111814	8111814	8111814
Date Prepared:	11/30/98	11/30/98	11/30/98	11/30/98	11/30/98
Date Analyzed:	11/30/98	11/30/98	11/30/98	11/30/98	11/30/98
Instrument I.D.#:	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1
Conc. Spiked:	3300 µg/kg	5000 µg/kg	3300 µg/kg	5000 µg/kg	3300 µg/kg
Matrix Spike % Recovery:	97	86	91	90	83
Matrix Spike Duplicate % Recovery:	88	74	82	82	74
Relative % Difference:	9.8	15	11	9.3	11
RPD Limit:	0-40	0-40	0-40	0-40	0-40
LCS Batch#:	BLK120498	BLK120498	BLK120498	BLK120498	BLK120498
Date Prepared:	12/4/98	12/4/98	12/4/98	12/4/98	12/4/98
Date Analyzed:	12/8/98	12/8/98	12/8/98	12/8/98	12/8/98
Instrument I.D.#:	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1
LCS % Recovery:	85	90	85	80	85
% Recovery Control Limits:	31-137	11-114	28-89	17-109	35-142

SEQUOIA ANALYTICAL, #1271

Julianne Fegley

Julianne Fegley
Project Manager

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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Haig Kevork

Client Project ID: Tosco #11122, Oakland
Matrix: Solid
QC Sample Group: 812-0381

Reported: Dec 14, 1998

QUALITY CONTROL DATA REPORT

ANALYTE	Lead	Cadmium	Chromium	Nickel	Zinc
Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Analyst:	J. Kelly	J. Kelly	J. Kelly	J. Kelly	J. Kelly
MS/MSD Batch#:	8120363	8120363	8120363	8120363	8120363
Date Prepared:	12/4/98	12/4/98	12/4/98	12/4/98	12/4/98
Date Analyzed:	12/7/98	12/7/98	12/7/98	12/7/98	12/7/98
Instrument I.D.#:	MV-4	MV-4	MV-4	MV-4	MV-4
Conc. Spiked:	50 mg/kg	50 mg/kg	50 mg/kg	1.2 mg/kg	1.2 mg/kg
Matrix Spike % Recovery:	94	100	92	104	126
Matrix Spike Duplicate % Recovery:	106	98	90	98	108
Relative % Difference:	8.1	2.0	1.4	4.3	10
LCS Batch#:	LCS120498	LCS120498	LCS120498	LCS120498	LCS120498
Date Prepared:	12/4/98	12/4/98	12/4/98	12/4/98	12/4/98
Date Analyzed:	12/7/98	12/7/98	12/7/98	12/7/98	12/7/98
Instrument I.D.#:	MV-4	MV-4	MV-4	MV-4	MV-4
LCS % Recovery:	94	102	104	104	100
% Recovery Control Limits:	80-120	80-120	80-120	80-120	80-120

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Please Note:
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SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

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☐ 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342

Company Name: GETTLER-RYAN INC.	Project Name: TOSCO #11122 - OAKLAND
Mailing Address: 6747 Sierra Ct, Suite J	Billing Address (if different): 9812103
City: DUBLIN State: CA Zip Code: 94568	TOSCO PROJECT MANAGER: TINA BERRY
Telephone: (925) 551-7555 FAX #: 551-7888	P.O. #: 3101 98TH AVENUE
Report To: HAIG KEVORK Sampler: HAIG KEVORK	QC Data: ☒ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

Turnaround Time:
☒ 10 Working Days ☐ 7 Working Days ☐ 5 Working Days ☐ 3 Working Days ☐ 2 Working Days ☐ 24 Hours ☐ 2 - 8 Hours

☐ Drinking Water ☐ Waste Water ☒ Other

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TPH-G	BTEX	MTBE	TPH-D	TOG	8010/8260	Cd, Cr, Pb	Ni, Zn		Comments
1. W01(10)	12/3/98	SOIL	1	BRASS TUBE	8120381	✓	✓	✓	✓	✓	✓	✓	✓		TOG 24 Hrs
2.															
3.															Report needed by 12/14 as per Doug Lee 12-11-98 jpg
4.															
5.															
6.															
7.															
8.															
9.															
10.															

Relinquished By: [signature]	Date: 12/3/98	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab: [signature]	Date: 12/3	Time: 1640

Were Samples Received in Good Condition? ☒ Yes ☐ No Samples on Ice? ☒ Yes ☐ No Method of Shipment _____ Page ___ of ___

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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Gettler-Ryan - Dublin	Client Project ID:	Tosco #11122, Oakland	Sampled:	Dec 3, 1998
6747 Sierra Court, Suite J	Sample Matrix:	Soil	Received:	Dec 3, 1998
Dublin, CA 94568	Analysis Method:	EPA 5030/8015 Mod./8020	Reported:	Dec 10, 1998
Attention: Haig Kevork	First Sample #:	812-0382		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX / MTBE

Analyte	Reporting Limit mg/Kg	Sample I.D. 812-0382 Comp WO
Purgeable Hydrocarbons	1.0	51
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Total Xylenes	0.0050	0.73
MTBE	0.050	N.D.
Chromatogram Pattern:		Unidentified Hydrocarbons >C8

Quality Control Data

Report Limit Multiplication Factor:	50
Date Analyzed:	12/8/98
Instrument Identification:	HP-4
Surrogate Recovery, %: (QC Limits = 40-140%)	113

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

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Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Gettler-Ryan - Dublin	Client Project ID:	Tosco #11122, Oakland	Sampled:	Dec 3, 1998
6747 Sierra Court, Suite J	Sample Matrix:	Soil	Received:	Dec 3, 1998
Dublin, CA 94568	Analysis Method:	EPA 3550/8015 Mod.	Reported:	Dec 10, 1998
Attention: Haig Kevork	First Sample #:	812-0382		

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit mg/kg	Sample I.D. 812-0382 Comp WO
Extractable Hydrocarbons	1.0	250
Chromatogram Pattern:		Unidentified Hydrocarbons >C15

Quality Control Data

Report Limit Multiplication Factor:	10
Date Extracted:	12/4/98
Date Analyzed:	12/7/98
Instrument Identification:	HP-3A

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

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Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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Gettler-Ryan - Dublin	Client Project ID:	Tosco #11122, Oakland	Sampled:	Dec 3, 1998
6747 Sierra Court, Suite J	Matrix Descript:	Soil	Received:	Dec 3, 1998
Dublin, CA 94568	Analysis Method:	SM 5520 E&F (Gravimetric)	Extracted:	Dec 8, 1998
Attention: Haig Kevork	First Sample #:	812-0382	Analyzed:	Dec 8, 1998
			Reported:	Dec 10, 1998

TOTAL RECOVERABLE PETROLEUM OIL

Sample Number	Sample Description	Oil & Grease mg/kg (ppm)	Detection Limit Multiplication Factor
812-0382	Comp WO	990	1.0

Detection Limits:	50

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

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Gettler-Ryan - Dublin	Client Project ID:	Tosco #11122, Oakland	Sampled:	Dec 3, 1998
6747 Sierra Court, Suite J	Sample Descript:	Soil, Comp WO	Received:	Dec 3, 1998
Dublin, CA 94568	Analysis Method:	EPA 5030/8010	Analyzed:	Dec 4, 1998
Attention: Haig Kevork	Lab Number:	812-0382	Reported:	Dec 10, 1998

HALOGENATED VOLATILE ORGANICS (EPA 8010)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Bromodichloromethane	10	N.D.
Bromoform	10	N.D.
Bromomethane	20	N.D.
Carbon tetrachloride	10	N.D.
Chlorobenzene	10	N.D.
Chloroethane	20	N.D.
Chloroform	10	N.D.
Chloromethane	20	N.D.
Dibromochloromethane	10	N.D.
1,2-Dichlorobenzene	10	N.D.
1,3-Dichlorobenzene	10	N.D.
1,4-Dichlorobenzene	10	N.D.
1,1-Dichloroethane	10	N.D.
1,2-Dichloroethane	10	N.D.
1,1-Dichloroethene	10	N.D.
cis-1,2-Dichloroethene	10	N.D.
trans-1,2-Dichloroethene	10	N.D.
1,2-Dichloropropane	10	N.D.
cis-1,3-Dichloropropene	10	N.D.
trans-1,3-Dichloropropene	10	N.D.
Methylene chloride	100	N.D.
1,1,2,2-Tetrachloroethane	10	N.D.
Tetrachloroethene	10	N.D.
1,1,1-Trichloroethane	10	N.D.
1,1,2-Trichloroethane	10	N.D.
Trichloroethene	10	N.D.
Trichlorofluoromethane	10	N.D.
Vinyl chloride	20	N.D.

Surrogates	Control Limit %		% Recovery
Dibromodifluoromethane	50	150	68
4-Bromofluorobenzene	50	150	55

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley

Julianne Fegley
Project Manager

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Gettler-Ryan - Dublin	Client Project ID:	Tosco #11122, Oakland	Sampled:	Dec 3, 1998
6747 Sierra Court, Suite J	Sample Descript:	Soil, Comp WO	Received:	Dec 3, 1998
Dublin, CA 94568	Analysis Method:	EPA 8270	Extracted:	Dec 4, 1998
Attention: Haig Kevork	Lab Number:	812-0382	Analyzed:	Dec 10, 1998
			Reported:	Dec 10, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Acenaphthene	1,000	N.D.
Acenaphthylene	1,000	N.D.
Aniline	1,000	N.D.
Anthracene	1,000	N.D.
Benzidine	25,000	N.D.
Benzoic Acid	5,000	N.D.
Benzo(a)anthracene	1,000	N.D.
Benzo(b)fluoranthene	1,000	N.D.
Benzo(k)fluoranthene	1,000	N.D.
Benzo(g,h,i)perylene	1,000	N.D.
Benzo(a)pyrene	1,000	N.D.
Benzyl alcohol	1,000	N.D.
Bis(2-chloroethoxy)methane	1,000	N.D.
Bis(2-chloroethyl)ether	1,000	N.D.
Bis(2-chloroisopropyl)ether	1,000	N.D.
Bis(2-ethylhexyl)phthalate	5,000	N.D.
4-Bromophenyl phenyl ether	1,000	N.D.
Butyl benzyl phthalate	1,000	N.D.
4-Chloroaniline	1,000	N.D.
2-Chloronaphthalene	1,000	N.D.
4-Chloro-3-methylphenol	1,000	N.D.
2-Chlorophenol	1,000	N.D.
4-Chlorophenyl phenyl ether	1,000	N.D.
Chrysene	1,000	N.D.
Dibenz(a,h)anthracene	1,000	N.D.
Dibenzofuran	1,000	N.D.
Di-N-butyl phthalate	5,000	N.D.
1,3-Dichlorobenzene	1,000	N.D.
1,4-Dichlorobenzene	1,000	N.D.
1,2-Dichlorobenzene	1,000	N.D.
3,3-Dichlorobenzidine	5,000	N.D.
2,4-Dichlorophenol	1,000	N.D.
Diethyl phthalate	1,000	N.D.
2,4-Dimethylphenol	1,000	N.D.
Dimethyl phthalate	1,000	N.D.
4,6-Dinitro-2-methylphenol	5,000	N.D.
2,4-Dinitrophenol	5,000	N.D.
2,4-Dinitrotoluene	1,000	N.D.
2,6-Dinitrotoluene	1,000	N.D.
Di-N-octyl phthalate	1,000	N.D.

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Gettler-Ryan - Dublin	Client Project ID:	Tosco #11122, Oakland	Sampled:	Dec 3, 1998
6747 Sierra Court, Suite J	Sample Descript:	Soil, Comp WO	Received:	Dec 3, 1998
Dublin, CA 94568	Analysis Method:	EPA 8270	Extracted:	Dec 4, 1998
Attention: Haig Kevork	Lab Number:	812-0382	Analyzed:	Dec 10, 1998
			Reported:	Dec 10, 1998

SEMI-VOLATILE ORGANICS by GC/MS (EPA 8270)

Analyte	Detection Limit µg/kg	Sample Results µg/kg
Fluoranthene	1,000	N.D.
Fluorene	1,000	N.D.
Hexachlorobenzene	1,000	N.D.
Hexachlorobutadiene	1,000	N.D.
Hexachlorocyclopentadiene	1,000	N.D.
Hexachloroethane	1,000	N.D.
Indeno(1,2,3-cd)pyrene	1,000	N.D.
Isophorone	1,000	N.D.
2-Methylnaphthalene	1,000	N.D.
2-Methylphenol	1,000	N.D.
4-Methylphenol	1,000	N.D.
Naphthalene	1,000	N.D.
2-Nitroaniline	5,000	N.D.
3-Nitroaniline	5,000	N.D.
4-Nitroaniline	5,000	N.D.
Nitrobenzene	1,000	N.D.
2-Nitrophenol	1,000	N.D.
4-Nitrophenol	5,000	N.D.
N-Nitrosodimethylamine	1,000	N.D.
N-Nitrosodiphenylamine	1,000	N.D.
N-Nitroso-di-N-propylamine	1,000	N.D.
Pentachlorophenol	5,000	N.D.
Phenanthrene	1,000	N.D.
Phenol	1,000	N.D.
Pyrene	1,000	N.D.
1,2,4-Trichlorobenzene	1,000	N.D.
2,4,5-Trichlorophenol	5,000	N.D.
2,4,6-Trichlorophenol	1,000	N.D.

Surrogates	Control Limit %		% Recovery
2-Fluorophenol	25	121	94
Phenol-d6	24	113	93
Nitrobenzene-d5	23	120	101
2-Fluorobiphenyl	30	115	119
2,4,6-Tribromophenol	19	122	106
4-Terphenyl-d14	18	137	98

Analytes reported as N.D. were not present above the stated limit of detection. Because matrix effects and/or other factors required additional sample dilution, detection limits for this sample have been raised.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley

Julianne Fegley
Project Manager

Sequoia Analytical

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Gettler-Ryan - Dublin	Client Project ID:	Tosco #11122, Oakland	Sampled:	Dec 3, 1998
6747 Sierra Court, Suite J	Sample Descript:	Soil, Comp WO	Received:	Dec 3, 1998
Dublin, CA 94568			Digested:	Dec 4, 1998
Attention: Haig Kevork	Lab Number:	812-0382	Analyzed:	Dec 7, 1998
			Reported:	Dec 10, 1998

LUFT METALS

Analyte	Detection Limit mg/kg	Sample Results mg/kg
Cadmium	0.50	N.D.
Chromium	0.50	240
Lead	1.0	85
Nickel	1.0	130
Zinc	1.0	60

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

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Sequoia Analytical

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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Haig Kevork

Client Project ID: Tosco #11122, Oakland
Matrix: Solid
QC Sample Group: 812-0382

Reported: Dec 10, 1998

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Analyst:	C. Westwater	C. Westwater	C. Westwater	C. Westwater
MS/MSD Batch#:	8120549	8120549	8120549	8120549
Date Prepared:	12/8/98	12/8/98	12/8/98	12/8/98
Date Analyzed:	12/8/98	12/8/98	12/8/98	12/8/98
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
Conc. Spiked:	0.80 mg/kg	0.80 mg/kg	0.80 mg/kg	2.4 mg/kg
Matrix Spike % Recovery:	104	89	93	104
Matrix Spike Duplicate % Recovery:	114	98	100	113
Relative % Difference:	9.2	9.4	7.8	7.7
LCS Batch#:	4LCS120898	4LCS120898	4LCS120898	4LCS120898
Date Prepared:	12/8/98	12/8/98	12/8/98	12/8/98
Date Analyzed:	12/8/98	12/8/98	12/8/98	12/8/98
Instrument I.D.#:	HP-4	HP-4	HP-4	HP-4
LCS % Recovery:	96	83	85	96
% Recovery Control Limits:	50-150	50-150	50-150	50-150

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Haig Kevork

Client Project ID: Tosco #11122, Oakland
Matrix: Solid
QC Sample Group: 812-0382

Reported: Dec 10, 1998

QUALITY CONTROL DATA REPORT

ANALYTE	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-benzene	Diesel	Oil & Grease
Method:	EPA 8010	EPA 8010	EPA 8010	EPA 8015M.	SM 5520
Analyst:	P. Kosovskaya	P. Kosovskaya	P. Kosovskaya	K. Grubb	I. Duenas
MS/MSD Batch#:	8120329	8120329	8120329	8112072	8112072
Date Prepared:	12/3/98	12/3/98	12/3/98	12/2/98	12/3/98
Date Analyzed:	12/3/98	12/3/98	12/3/98	12/3/98	12/3/98
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-3B	Manual
Conc. Spiked:	1000 µg/kg	1000 µg/kg	1000 µg/kg	15 mg/kg	5000 mg/kg
Matrix Spike % Recovery:	95	89	84	73	118
Matrix Spike Duplicate % Recovery:	96	94	98	73	116
Relative % Difference:	1.0	5.5	15	0.0	1.7
LCS Batch#:	LCS120498	LCS120498	LCS120498	LCS120498	LCS120898
Date Prepared:	12/4/98	12/4/98	12/4/98	12/4/98	12/8/98
Date Analyzed:	12/4/98	12/4/98	12/4/98	12/4/98	12/8/98
Instrument I.D.#:	HP-7	HP-7	HP-7	HP-3A	Manual
LCS % Recovery:	99	92	96	87	102
% Recovery Control Limits:	65-135	70-130	70-130	60-140	70-130

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Please Note:
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Sequoia Analytical

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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Haig Kevork

Client Project ID: Tosco #11122, Oakland
Matrix: Solid
QC Sample Group: 812-0382

Reported: Dec 10, 1998

QUALITY CONTROL DATA REPORT

ANALYTE	Phenol	2-Chlorophenol	1,4-Dichloro-benzene	N-Nitroso-Di-N-propylamine	1,2,4-Trichloro-benzene	4-Chloro-3-Methylphenol
Prep. Method:	EPA 3550	EPA 3550	EPA 3550	EPA 3550	EPA 3550	EPA 3550
Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Analyst:	L. Diaz	L. Diaz	L. Diaz	L. Diaz	L. Diaz	L. Diaz
MS/MSD Batch#:	8111814	8111814	8111814	8111814	8111814	8111814
Date Prepared:	11/30/98	11/30/98	11/30/98	11/30/98	11/30/98	11/30/98
Date Analyzed:	11/30/98	11/30/98	11/30/98	11/30/98	11/30/98	11/30/98
Instrument I.D.#:	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1
Conc. Spiked:	5000 µg/kg	5000 µg/kg	3300 µg/kg	3300 µg/kg	3300 µg/kg	5000 µg/kg
Matrix Spike % Recovery:	70	80	79	94	85	86
Matrix Spike Duplicate % Recovery:	64	74	70	85	76	78
Relative % Difference:	9.0	7.8	12	10	11	9.8
RPD Limit:	0-40	0-40	0-40	0-40	0-40	0-40
LCS Batch#:	BLK120498	BLK120498	BLK120498	BLK120498	BLK120498	BLK120498
Date Prepared:	12/4/98	12/4/98	12/4/98	12/4/98	12/4/98	12/4/98
Date Analyzed:	12/8/98	12/8/98	12/8/98	12/8/98	12/8/98	12/8/98
Instrument I.D.#:	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1
LCS % Recovery:	74	82	82	94	85	86
% Recovery Control Limits:	26-90	25-102	28-104	41-126	38-107	26-103

SEQUOIA ANALYTICAL, #1271

Julianne Fegley

Julianne Fegley
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Haig Kevork

Client Project ID: Tosco #11122, Oakland
Matrix: Solid
QC Sample Group: 812-0382

Reported: Dec 10, 1998

QUALITY CONTROL DATA REPORT

ANALYTE	Acenaphthene	4-Nitrophenol	2,4-Dinitro-toluene	Pentachloro-phenol	Pyrene
Prep. Method:	EPA 3550	EPA 3550	EPA 3550	EPA 3550	EPA 3550
Method:	EPA 8270	EPA 8270	EPA 8270	EPA 8270	EPA 8270
Analyst:	L. Diaz	L. Diaz	L. Diaz	L. Diaz	L. Diaz
MS/MSD Batch#:	8111814	8111814	8111814	8111814	8111814
Date Prepared:	11/30/98	11/30/98	11/30/98	11/30/98	11/30/98
Date Analyzed:	11/30/98	11/30/98	11/30/98	11/30/98	11/30/98
Instrument I.D.#:	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1
Conc. Spiked:	3300 µg/kg	5000 µg/kg	3300 µg/kg	5000 µg/kg	3300 µg/kg
Matrix Spike % Recovery:	97	86	91	90	83
Matrix Spike Duplicate % Recovery:	88	74	82	82	74
Relative % Difference:	9.8	15	11	9.3	11
RPD Limit:	0-40	0-40	0-40	0-40	0-40
LCS Batch#:	BLK120498	BLK120498	BLK120498	BLK120498	BLK120498
Date Prepared:	11/30/98	11/30/98	11/30/98	11/30/98	11/30/98
Date Analyzed:	11/30/98	11/30/98	11/30/98	11/30/98	11/30/98
Instrument I.D.#:	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1	GC/MS 1
LCS % Recovery:	85	90	85	80	85
% Recovery Control Limits:	331-137	11-114	28-89	17-109	35-142

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Please Note:
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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Haig Kevork

Client Project ID: Tosco #11122, Oakland
Matrix: Solid
QC Sample Group: 812-0382

Reported: Dec 10, 1998

QUALITY CONTROL DATA REPORT

ANALYTE	Lead	Cadmium	Chromium	Nickel	Zinc
Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Analyst:	J. Kelly	J. Kelly	J. Kelly	J. Kelly	J. Kelly
MS/MSD Batch#:	8120363	8120363	8120363	8120363	8120363
Date Prepared:	12/4/98	12/4/98	12/4/98	12/4/98	12/4/98
Date Analyzed:	12/7/98	12/7/98	12/7/98	12/7/98	12/7/98
Instrument I.D.#:	MV-4	MV-4	MV-4	MV-4	MV-4
Conc. Spiked:	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg	50 mg/kg
Matrix Spike % Recovery:	94	100	92	104	126
Matrix Spike Duplicate % Recovery:	106	98	90	98	108
Relative % Difference:	8.1	2.0	1.4	4.3	10
LCS Batch#:	LCS120498	LCS120498	LCS120498	LCS120498	LCS120498
Date Prepared:	12/4/98	12/4/98	12/4/98	12/4/98	12/4/98
Date Analyzed:	12/7/98	12/7/98	12/7/98	12/7/98	12/7/98
Instrument I.D.#:	MV-4	MV-4	MV-4	MV-4	MV-4
LCS % Recovery:	94	102	104	104	100
% Recovery Control Limits:	80-120	80-120	80-120	80-120	80-120

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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Company Name: GETTLER-RYAN INC.	Project Name: TOSCO #11122 - OAKLAND
Mailing Address: 6747 Sierra Ct, Suite J	Billing Address (if different): 9812104
City: DUBLIN State: CA Zip Code: 94568	TOSCO PROJECT MANAGER: TINA BERRY
Telephone: (925) 551-7555 FAX #: 551-7888	P.O. #: 3101 98TH AVENUE
Report To: HAIG KEVORK Sampler: HAIG KEVORK	QC Data: ☒ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

Turnaround Time: ☒ 10 Working Days ☐ 3 Working Days ☐ 2 - 8 Hours ☐ 7 Working Days ☐ 2 Working Days ☐ 5 Working Days ☐ 24 Hours

☐ Drinking Water ☐ Waste Water ☒ Other

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TPH-G	BTEX	MTBE	TPH-D	TOG	8010/8270	Cd, Cr, Pb	Ni, Zn		Comments
1. Comp WO	12/3/98	SOIL	4	BRASS TUBES	8120382 A-D	✓	✓	✓	✓	✓	✓	✓	✓		Pb 5 DAYS
2.															
3.															
4.															
5.															
6.															
7.															
8.															
9.															
10.															

Relinquished By: [signature]	Date: 12/3/98	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab: [signature]	Date: 12/3	Time: 1640

Were Samples Received in Good Condition? ☒ Yes ☐ No Samples on Ice? ☒ Yes ☐ No Method of Shipment_____ Page __ of __

Pink - Client
Yellow - Sequoia
White - Sequoia

Sequoia Analytical

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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Haig Kevork

Client Project ID: Tosco #11122, Oakland
Sample Descript: TCLP
Analysis for: Lead
First Sample #: 812-1243

Sampled: Dec 3, 1998
Relogged: Dec 15, 1998
Digested: Dec 17, 1998
Analyzed: Dec 17, 1998
Reported: Dec 18, 1998

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L
812-1243	Comp WO	0.20	0.020

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

8121243.GET <1>

Sequoia Analytical

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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Haig Kevork

Client Project ID: Tosco #11122, Oakland
Matrix: TCLP
QC Sample Group: 812-1243

Reported: Dec 18, 1998

QUALITY CONTROL DATA REPORT

ANALYTE	Lead
Method:	EPA 200.7
Analyst:	J. Kelly
MS/MSD Batch#:	8121243
Date Prepared:	12/17/98
Date Analyzed:	12/17/98
Instrument I.D.#:	MV-4
Conc. Spiked:	1.0 mg/L
Matrix Spike % Recovery:	100
Matrix Spike Duplicate % Recovery:	100
Relative % Difference:	0.0
LCS Batch#:	LCS121798B
Date Prepared:	12/17/98
Date Analyzed:	12/17/98
Instrument I.D.#:	MV-4
LCS % Recovery:	100
% Recovery Control Limits:	80-120

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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REQUEST TO RELOG SAMPLES

(Please submit to sample control with a copy of the COC)

9812338

CLIENT: Geffen Kegan MATRIX: Soil

PREVIOUSLY LOGGED SAMPLES

☐ TAT Change status to: ASAP

Change status as of Day: Friday Time: 16:00

☐ CHANGE ANALYSES

Add Analyses ☐ Cancel Analyses ☐

Sequoia Project ID: 9812104

Sample Number	Analyses
8120382	TCLP Pb 8121243

SAMPLES ON HOLD

Sample Description	Analyses

Client Authorization (Person/Date/Time): Hung Kewok, 12/15/98 15:55

Project Manager: JCF

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Company Name: GETTLER-RYAN INC.	Project Name: TOSCO #11122 - OAKLAND
Mailing Address: 6747 Sierra Ct, Suite J	Billing Address (if different): 9812104
City: DUBLIN State: CA Zip Code: 94568	TOSCO PROJECT MANAGER: TINA BERRY
Telephone: (925) 551-7555 FAX #: 551-7888	P.O. #: 3101 98TH AVENUE
Report To: HAIG KEVORK Sampler: HAIG KEVORK	QC Data: ☒ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

Turnaround Time: ☒ 10 Working Days ☐ 3 Working Days ☐ 2 - 8 Hours ☐ 7 Working Days ☐ 2 Working Days ☐ 5 Working Days ☐ 24 Hours

☐ Drinking Water ☐ Waste Water ☒ Other

Analyses Requested 9812338

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TPH-G	BTEX	MTBE	TPH-D	TOG	8010/8260	Cd,Cr,Pb	Ni,Zn		Comments
1. Comp WO	12/3/98	SOIL	4	BRASS TUBES	8120382 A-D	✓	✓	✓	✓	✓	✓	✓	✓		Pb 5 DAYS
2.															
3.															
4.															
5.															
6.															
7.															
8.															
9.															
10.															

Relinquished By: [signature]	Date: 12/3/98	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab: [signature]	Date: 12/3	Time: 1640

Were Samples Received in Good Condition? ☒ Yes ☐ No Samples on Ice? ☒ Yes ☐ No Method of Shipment _____ Page ___ of ___

Sequoia Analytical

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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Haig Kevork

Client Project ID: Tosco #11122, Oakland
Sample Descript: STLC
Analysis for: Lead
First Sample #: 812-0763

Sampled: Dec 3, 1998
Relogged: Dec 9, 1998
Digested: Dec 9, 1998
Analyzed: Dec 14, 1998
Reported: Dec 15, 1998

LABORATORY ANALYSIS FOR: Lead

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L
812-0763	Comp WO	0.020	9.0

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

Sequoia Analytical

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Gettler-Ryan - Dublin
6747 Sierra Court, Suite J
Dublin, CA 94568
Attention: Haig Kevork

Client Project ID: Tosco #11122, Oakland
Matrix: STLC
QC Sample Group: 812-0763

Reported: Dec 15, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Lead
QC Batch#:	ME120998
	STLCMDA
Analy. Method:	EPA 200.7
Prep. Method:	STLC
Analyst:	J. Kelly
MS/MSD #:	8120763
Sample Conc.:	9.0 mg/L
Prepared Date:	12/9/98
Analyzed Date:	12/14/98
Instrument I.D.#:	MV-4
Conc. Spiked:	1.0 mg/L
Result:	9.8
MS % Recovery:	80
Dup. Result:	9.3
MSD % Recov.:	*
RPD:	5.2
RPD Limit:	0-20

LCS #:	LCS120998
Prepared Date:	12/9/98
Analyzed Date:	12/14/98
Instrument I.D.#:	MV-4
Conc. Spiked:	1.0 mg/L
LCS Result:	0.99
LCS % Recov.:	99

MS/MSD LCS Control Limits	80-120

SEQUOIA ANALYTICAL, #1271

Julianne Fegley
Project Manager

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** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference
* Value undeterminable due to matrix interference and/or concentration in sample.

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REQUEST TO RELOG SAMPLES

9812209 (Please submit to sample control with a copy of the COC)

CLIENT: Getler Ryan MATRIX: Soil

PREVIOUSLY LOGGED SAMPLES

☐ TAT Change status to: ASAP

Change status as of Day: 12/9/98 Time: 11:20

☐ CHANGE ANALYSES

Add Analyses ☐ Cancel Analyses ☐

Sequoia Project ID: 9812104

Sample Number	Analyses
8120382	STLC Pb. 8120763

SAMPLES ON HOLD

Sample Description	Analyses

Client Authorization (Person/Date/Time): Hing Kevork 12/9/98 11:15

Project Manager: JCF

SEQUOIA ANALYTICAL
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Company Name: GETTLER-RYAN INC.	Project Name: TOSCO #11122 - OAKLAND
Mailing Address: 6747 Sierra Ct, Suite J	Billing Address (if different): 9812104
City: DUBLIN State: CA Zip Code: 94568	TOSCO PROJECT MANAGER: TINA BERRY
Telephone: (925) 551-7555 FAX #: 551-7888	P.O. #: 3101 98TH AVENUE
Report To: HAIG KEVORK Sampler: HAIG KEVORK	QC Data: ☒ Level D (Standard) ☐ Level C ☐ Level B ☐ Level A

Turnaround Time: ☒ 10 Working Days ☐ 7 Working Days ☐ 5 Working Days ☐ 3 Working Days ☐ 2 Working Days ☐ 24 Hours ☐ 2 - 8 Hours

☐ Drinking Water ☐ Waste Water ☒ Other

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TPH-G	BTEX	MTBE	TPH-D	TOG	8010/8260	Cd, Cr, Pb	Ni, Zn		Comments
1. Comp WO	12/3/98	SOIL	4	BRASS TUBES	8120382 A-D	✓	✓	✓	✓	✓	✓	✓	✓		Pb 5 DAYS
2.															
3.															
4.															
5.															
6.															
7.															
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9.															
10.															

Relinquished By:	Date: 12/3/98	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab:	Date: 12/3	Time: 1610

Were Samples Received in Good Condition? ☒ Yes ☐ No Samples on Ice? ☒ Yes ☐ No Method of Shipment: _____

Page ___ of ___

White - Lab Yellow - Sequoia Pink - Client