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Alameda County Environmental Health

RM Associates Environmental Consultants

May 31, 2007

Mr. Jerry Wickham Hazard Materials Specialist Alameda County Health Care Services Agency Environmental Health Services 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

Reference: Rotten Robbie No 64

(Formerly East Avenue Services)

4186 East Avenue, Livermore, California

Fuel Leak Case No. RO0002881

Subject: Report of Preliminary Site Investigation

May 30, 2007

Dear Mr. Wickham:

Enclosed is a copy of the subject report for the referenced site. The report was prepared and is submitted by RMA Associates, Inc, on behalf of Robinson Oil Corporation (ROC) as requested by the Alameda County Health Care Services Agency in your letter to Messrs. Thomas L. Robinson and Edwin Coats, dated June 1, 2006.

As requested, the report and this cover letter will be submitted electronically according to your requirements for electronic submission and has also been uploaded to GeoTracker.

As requested, RMA hereby certifies under the penalty of perjury, that to the best of our knowledge, all information and data presented in the report are true and correct. Mr. Robinson has reviewed the report and has authorized its transmittal. Mr. Robinson's transmittal letter is included in Appendix F of the report.

Should you have any questions regarding this report, please contact Thomas Robinson of Robinson Oil Corporation at (408) 257-2222, or the undersigned at (209) 295-6218.

Sincerely,

RM ASSOCIATES

Ronald W. Michelson, RG (CA 3875)

Principal Geologist

Cc: Tom Robinson, Robinson Oil Corporation

Enclosures:

REPORT OF PRELIMINARY SITE INVESTIGATION INCLUDING UST REMOVAL

Rotten Robbie No. 64 4186 East Avenue Livermore, California

Prepared for: Robinson Oil Corporation 4250 Williams Road San Jose, California 95129

Prepared by: RM Associates 16401 Meadow Vista Drive, Suite 102 Pioneer, California 95666

Project No. 101-6404 May 30, 2007



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REPORT OF PRELIMINARY SITE INVESTIGATION INCLUDING UST REMOVAL

Rotten Robbie No. 64 4186 East Avenue, Livermore, California

May 30, 2007

1.0 INTRODUCTION

This "Report of Preliminary Site Investigation" has been prepared by RM Associates, Inc. (RMA) on behalf of Robinson Oil Corporation (ROC), San Jose, California. The report presents the results the results of soil sample collection and analysis performed in conjunction with the removal of five underground storage tanks (USTs) and their associated product lines and dispensers, the installation of three groundwater monitoring wells and the results of soil and groundwater samples collected in conjunction with these installations. The site investigation activities reported herein are due, in large part, to the results of a "Phase II Environmental Assessment," conducted by RMA during April 2005 and reported on May 13, 2005. The scope of work reported herein is, in general, consistent with the RMA's "Work Plan for Preliminary Site Investigation," dated April 4, 2006. The Work Plan was approved by Alameda County Environmental Health (ACEH) in their letter of June 1, 2006 to the current owner, Robinson Oil Corporation and the former owner, East Avenue Services.

2.0 SITE DESCRIPTION AND BACKGROUND

Site Location

4186 East Avenue Livermore, California

Contact: Mr. Thomas L. Robinson (408) 257-2222

Figure 1 is a generalized street map showing the general vicinity of the site. The site had been operated until July 2005 as East Avenue Services, a retail automotive fueling and service station facility that had five underground storage tanks (USTs) and two dispenser islands. The former USTs consisted of four 4,000-gallon tanks and one 6,000-gallon tank all containing gasoline.

In April 2005, preliminary to a property transaction, RMA conducted a routine Phase II Environmental Assessment (P2EA) that involved the installation of seven shallow soil borings and the collection and analysis of eleven soil samples and five groundwater grab samples. The results of this assessment are presented in the May 13, 2005 report, and will be discussed later herein.

Figure 2 is a site diagram showing the location of the former building structure on the property, the former USTs and fuel dispensing islands, the locations of the soil sample and groundwater

grab sample collection conducted during the P2EA cited above, and the locations of the monitoring wells that were installed as part of the investigation reported herein.

3.0 UST REMOVAL ACTIVITIES

3.1 Soil Sampling

During the week of March 26, 2007 the building structure and fuel dispensing facilities were demolished and removed from the site. On April 3, 2007 the five USTs, the product lines, and dispensers were removed from the site. During the removal activities 10 soil samples were collected from the native soil beneath the USTs and five samples were collected from the native soil beneath the product lines. All UST sampling was performed under the oversight of Ms. Danielle Stefani of the Livermore - Pleasanton Fire Department. Additionally RMA collected five 4-point composite samples from the stockpiled soil on the site. Figure 3 shows the locations of all of the UST related soils samples including the stockpiled soil.

3.2 Soil Analysis and Results

A summary of the soil analytical results are presented in Tables 1 and 2. The UST soil samples (Table 1) were analyzed for total petroleum hydrocarbons as gasoline (TPHg) for the BTEX compounds (benzene, toluene, ethylbenzene, and total xylenes), the gasoline additive methyl tertbutyl ether (MTBE) and for total lead. The UST samples were not analyzed for total petroleum hydrocarbons as diesel (TPHd) because there is no record of diesel ever having been sold at the site.

The stock pile samples (Table 2) were analyzed for TPHd because that is a landfill requirement.

The soil analytical results presented in Tables 1 and 2 did not show any soil sample to have analyzed hydrocarbons occurring at concentrations above the respective laboratory detection limits.

3.3 Site Observations

During soil sampling no distinct hydrocarbon odors were noted at any of the sampling locations.

Observation of the removed USTs did not find evident holes or leakage of any kind. UST removal manifests are presented in Appendix A.

4.0 MONITORING WELL INSTALLATION

4.1 Objective and Scope of Work

The primary objective of the scope of work performed is to further define the lateral and vertical extent of petroleum hydrocarbon concentrations that were detected in groundwater at the site during the P2EA conducted in April 2005. The distribution of petroleum hydrocarbon

concentrations that were detected during the P2EA is presented in Figure 3. RMA in the April 4, 2006 Work Plan proposed the installation of three monitoring wells to further assess the lateral distribution of hydrocarbons at the site and also to provide the means to determine the groundwater gradient and flow direction. The monitoring well installations were permitted by the Zone 7 Water Agency under Permit No. 27071.

4.2 Well Construction

The three monitoring wells MW-1, MW-2, and MW-3 were installed on May 2, 2007, under the supervision of well installation subcontractor GeoRestoration, Inc. The wells were drilled and installed by drilling subcontractor Exploration Geoservices Inc. using a rig equipped with hollow stem augers. The monitoring well installations were permitted by the Zone 7 Water Agency under Permit No. 27071. During drilling, groundwater was encountered at a depth of approximately 22 feet below ground surface (bgs). The wells were completed at a depth of approximately 30 feet bgs. The exact well construction details are presented in Table 5.

4.3 Soil Sample Collection and Logging

As requested by ACEH in their work plan approval letter of June 1, 2006, a continuous core was collected from each soil boring using an 18-inch Terzaghi SPT sampler. The soil cores were logged on-site by a field geologist under the direct supervision of a California Registered Geologist. Soil samples were classified in accordance with the Unified Soil Classification System (USCS). The soil, clearly alluvium, ranges from silty clay to sandy gravel. The various soil strata encountered during the installation of each monitoring well are described in the soil boring logs presented in Appendix B.

Only during the drilling of monitoring well MW-1 were any petroleum odors noted and these were described as "slight."

Three samples were selected for analysis with the soil placed directly from the core into clean brass liners which were capped, sealed, placed in ziplock bags and immediately refrigerated in an ice chest.

4.4 Soil Analytical Results

A total of nine soil samples, three from each well boring, were selected for analysis. All of the samples were analyzed by Entech Analytical Laboratories for TPHg, TPHd, BTEX, and MTBE. The sampling depth and analytical results for each soil sample is shown on Table 4. Eight of the nine analyzed soil samples had no detectable petroleum hydrocarbons whatsoever. Only in sample SS-1-17 was a minor concentration of MTBE detected at 0.23 milligrams per kilogram (mg/kg).

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5.0 GROUNDWATER MONITORING

5.1 Groundwater Elevation Measurements and Sampling

On May 7, 2005, sampling subcontractor GeoRestoration, Inc. developed and collected groundwater samples from the three on-site monitoring wells, MW-1, MW-2, and MW-3. Prior to sampling, the wells were developed by purging 13 to 16 well volumes from each well using a 12 volt submersible pump. Prior to well development and groundwater sampling, depths to groundwater were measured in each of the three wells. Groundwater samples were collected from each well using a new disposable bailer. The procedures for the groundwater sampling are provided in Appendix C. The sampling purge data are presented in Table 6. The purge and sampling worksheets are presented in Appendix D.

Because the site is presently under construction, the well vaults have not yet been placed. Therefore the wellheads have not been surveyed by a licensed surveyor.

5.2 Field Measurements and Groundwater Analytical

Field measurements made during purging and sampling are presented in Table 8 and also on the purge and sampling worksheets provided in Appendix D.

Groundwater samples obtained from monitoring wells MW-1 through MW-3 were submitted to Entech Analytical Laboratory (Entech), California DHS certified, to perform the requisite chemical analyses. The groundwater samples were analyzed for benzene, toluene, ethylbenzene, total xylenes, methyl tert-butyl ether (MTBE), tert-butanol (TBA), diisopropyl ether (DIPE), ethyl-tert-butyl ether (ETBE), tert-amyl methyl ether (TAME), 1,2-dichloroethane (1,2-DCA) and 1,2-dibromoethane (EDB), all by EPA method 8260B. They were also analyzed for total petroleum hydrocarbons as gasoline (TPHg) by a GC-MS variation of EPA method 8260, and for total petroleum hydrocarbons as diesel by EPA method 8015M.

The analytical results for the groundwater samples are presented in Tables 9 and 10. Copies of the signed laboratory analytical reports and chain-of-custody forms are provided in Appendix E.

Petroleum hydrocarbon concentrations were detected only in the groundwater sample from monitoring well MW-3 with TPHg, benzene, and MTBE concentrations at 4,800 μ g/L, 150 μ g/L, and 310 μ g/L, respectively.

6.0 SUMMARY OF RESULTS

6.1 Soil and Groundwater Analysis - Phase II Environmental Assessment

6.1.1 Soil

Minor hydrocarbon concentrations were detected in three of the eleven soil samples analyzed. In samples S1-20 and S1-25 (see Figure 2 and Table 1) ethylbenzene was detected in both samples at 0.07 milligrams per kilogram (mg/kg), and MTBE was detected at minor concentrations of 0.33

mg/kg and 0.30 mg/kg, respectively. In sample S7-25, TPHg and TPHd (apparently weathered gasoline) were detected at concentrations of 46 mg/kg and 290 mg/kg.

6.1.2 Groundwater

Significant hydrocarbons in groundwater were detected in only one of the five groundwater grab samples collected. The groundwater sample from boring W-1 (sample ID, W1) had detected concentrations of TPHg at 19,000 micrograms per liter (µg/L), Benzene, Toluene, Ethylbenzene, and Xylenes at 1,200 µg/L, 55 µg/L, 4,100 µg/L, and 1,900 µg/L, respectively. MTBE was detected at a concentration of 1,900 µg/L. It should be noted that, because petroleum compounds are lighter than water, they tend to concentrate at the water table. It is common, therefore, that petroleum hydrocarbon concentrations detected in groundwater grab samples are often five to ten times higher than the concentrations that are detected in groundwater sampled from a monitoring well installed at the same location. As for representing the overall impact on groundwater quality, the monitoring well sample results are considered the more accurate.

6.2 Soil Analyses - UST Removal

Tables 2 and 3 show that no petroleum hydrocarbon concentrations, whatsoever, were detected in either the native soil beneath the USTs, product lines, dispensers, or in any of the stockpiled soil. Figure 3 shows the locations of all of the UST related soil samples.

6.3 Soil and Groundwater Analysis - Monitoring Well Installation

6.3.1 Soil

Table 4 shows that no TPHg or BETX were detected in any of the nine samples submitted for analysis. MTBE was detected at a minor concentration of 0.23 mg/kg in the soil sample from 17 feet bgs during the installation of monitoring well MW-1, but was not detected in the sample at 21 feet bgs.

6.3.2 Groundwater

Petroleum concentrations and MTBE were detected only in the groundwater sample from monitoring well MW-1 (see Tables 9 and 10, and Figure 4). The concentration of TPHg in the MW-1 groundwater sample was 4,800 μ g/L. The only other detections above the respective maximum contaminant levels (MCLs) for drinking water were benzene at 150 μ g/L and MTBE at 310 μ g/L.

The distribution of groundwater analytical results obtained from all phases of investigation at the site is presented in Figure 4. Figures 5, 6, and 7 are iso-concentration contour maps for TPHg, benzene and MTBE, respectively. These maps should be interpreted with discretion. The contours tend to give equal validity to the analytical results for the groundwater grab samples and the results for the groundwater samples collected from the monitoring wells. As discussed under Section 6.1 above, this is not necessarily the case. The intention of these maps is to illustrate the probable maximum migration of impacted groundwater—a worst case scenario.

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6.4 Lithology

The soil, clearly alluvium, ranges from silty clay to sandy gravel. The various soil strata encountered during the installation of each monitoring well are described in the soil boring logs presented in Appendix B.

6.5 Groundwater Elevation, Gradient, and Flow Direction

The site is under renovation; a new fueling facility and convenience store are under construction. It is impossible to set the well boxes until after construction has been completed and the site has been paved--presently anticipated by late summer. Survey of the wellhead elevations by a licensed land surveyor will be conducted immediately thereafter, hopefully before the next monitoring report.

7.0 CONCLUSIONS/RECOMMENDATIONS

Until groundwater elevation, gradient, and flow direction at the site have been determined, the current phase of the site investigation is not complete. However, all analytical evidence developed thus far indicates that, although the groundwater at one location at the site has been moderately impacted by petroleum hydrocarbons (including the gasoline additive MTBE), the impacted groundwater is confined to one small area, best illustrated in Figures 5-7. Using the concentrations detected in the groundwater sample from monitoring well MW-1 as the most valid representation of the groundwater quality in the impacted plume, the site condition does not present any imminent hazard to either public health or safety or to the underlying groundwater resources.

Definitive conclusions are not appropriate until after the wellhead elevations have been surveyed and the groundwater gradient and flow direction, have been determined and the groundwater has been monitored over a period of at least one year.

In the ACEH Work Plan approval letter of June 1, 2006 it was requested that a plan for vertical delineation of contamination be submitted. In view of the moderate analytical results from both soil and groundwater samples collected from monitoring well MW-1, it is RMA's opinion that additional effort to further delineate the vertical extent of lighter than water petroleum constituents is not warranted. For heavier than water compounds including chlorinated hydrocarbons, such vertical delineation would be necessary. If further directed to perform vertical delineation, the plan would be to collect and analyze depth discrete soil and groundwater samples near the location identified as W-1 on Figure 2.

It is RMA's recommendation that further groundwater monitoring be conducted in August 2007 and that the results be reported in a groundwater monitoring report to be submitted after the wellheads have been surveyed. Updated conclusions and recommendations will be forthcoming at that time.

8.0 CERTIFICATION

We certify that, to the best of our knowledge all statements above and data provided herein are true and correct. This report has been reviewed and approved by ROC. A copy of their transmittal letter is presented as Appendix F.

RM Associates

Ronald W. Michelson

Principal Geologist

9.0 DISTRIBUTION

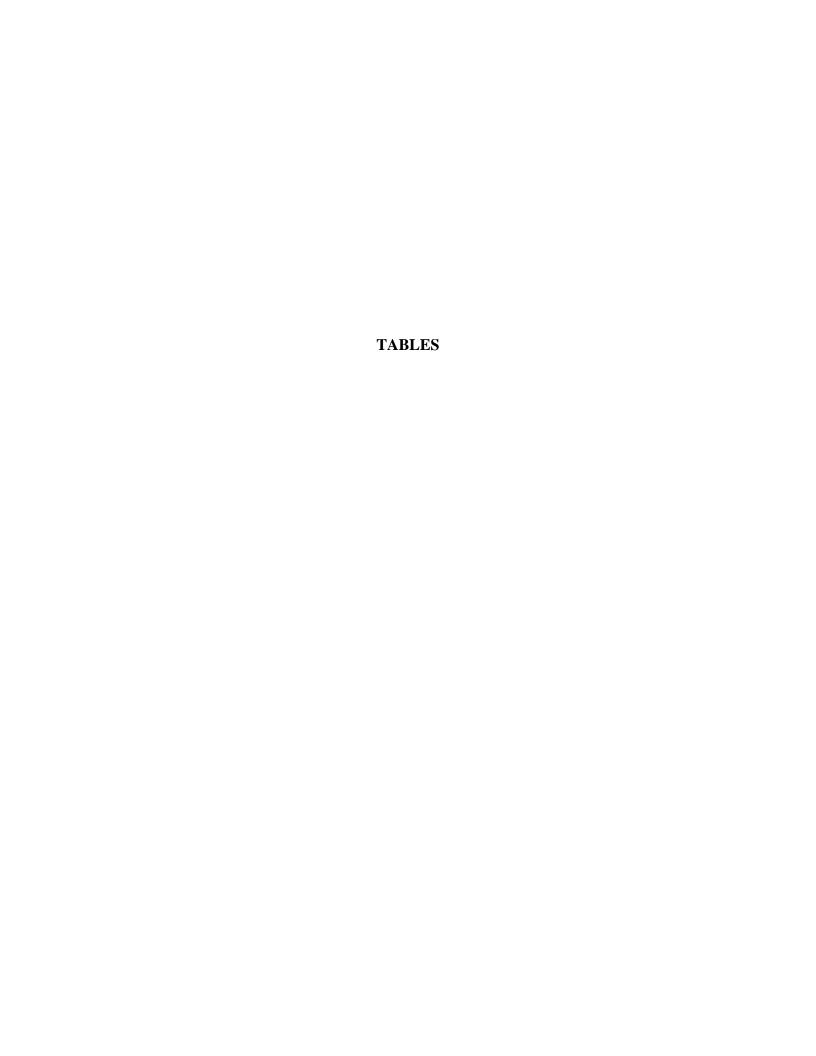
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Mr. Ed Coats 1727 Dolphin Place Discovery Bay, CA 94514

Ms. Danielle Stefani Hazardous Materials Coordinator Livermore – Pleasanton Fire Department 3560 Nevada Street Pleasanton, CA 94566

Mr. Jerry Wickham Hazard Materials Specialist Alameda County Health Care Services Agency Environmental Health Services 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

Mr. Wyman Hong Zone 7 Water District 100 N. Canyon Parkway Livermore, CA 94551



RMA

TABLE 1 - SUMMARY OF SOIL ANALYICAL RESULTS PHASE 11 ENVIRONMENTAL INVESTIGATION 4186 East Avenue, Livermore, California

Sample		Sample	Sample					Ethyl		
Location	Sample ID	Depth	Date	TPHg	TPHd	Benzene	Toluene	benzene	Xylenes	MTBE
		(feet)		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
W-1	S1-20	20	04/29/05	<2.5	<2.5	< 0.025	<0.025	0.070	< 0.025	0.33
	S1-25	25	04/29/05	<2.5	<2.5	<0.025	<0.025	0.070	<0.025	0.30
W-2	S2-20	20	04/29/05	<2.5	<2.5	< 0.025	<0.025	<0.025	<0.025	<0.25
	S2-25	25	04/29/05	<2.5	<2.5	<0.025	<0.025	<0.025	<0.025	<0.25
W-3	S3-20	20	04/29/05	<2.5	<2.5	<0.025	<0.025	<0.025	<0.025	<0.25
W-4	S4-22	22	04/29/05	<2.5	<2.5	<0.025	<0.025	<0.025	<0.025	<0.25
S-5	S5-15	15	04/29/05	<2.5	<2.5	< 0.025	<0.025	< 0.025	< 0.025	<0.25
	S5-20	20	04/29/05	<2.5	<2.5	<0.025	<0.025	<0.025	<0.025	<0.25
W-6	S6-15	15	04/29/05	<2.5	<2.5	< 0.025	<0.025	< 0.025	< 0.025	< 0.25
	S6-20	20	04/29/05	<2.5	<2.5	<0.025	<0.025	<0.025	<0.025	<0.25
S-7	S7-25	22	04/29/05	46	290*	<0.1	0.12	0.44	0.74	<1

mg/kg milligrams per kilogram (approximate parts per million)

TPHg total petroleum hydrocarbons as gasoline TPHd total petroleum hydrocarbons as diesel

MTBE Methyl-t-butyl Ether

RM Assoc	RM Associates											
	TAE	BLE 2 - SUMN	MARY OF S	OIL ANALY	TICAL RES	SULTS - US	T REMOVA	AL				
		Rotten Ro	bbie #64, 41	86 East Av	enue, Live	rmore, Cali	fornia					
Comple		Sample			Ethyl	Total	TPH as	Total Load				
Sample Number	Sample Date	Depth	Benzene	Toluene	benzene	Xylenes	Gasoline	Total Lead	MTBE			
Number		(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)			
UST REMOVAL												
Tanks												
T1-F 04/03/07 10 ND<0.010 ND<0.010 ND<0.010 ND<0.010 ND<0.010 ND<0.050 5.8 ND<0.050												
T1-P	04/03/07	10	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	7.8	ND<0.050			
T2-F	T2-F 04/03/07 10 ND<0.010 ND<0.010 ND<0.010 ND<0.010 ND<0.010 ND<0.010 ND<0.50 6.7											
T2-P	04/03/07	10	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	26.0	ND<0.050			
T3-F	04/03/07	10	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	5.6	ND<0.050			
T3-P	04/03/07	10	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	12.0	ND<0.050			
T4-F	04/03/07	10	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	6.7	ND<0.050			
T4-P	04/03/07	10	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	10.0	ND<0.050			
T5-F	04/03/07	10	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	7.3	ND<0.050			
T5-P	04/03/07	10	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	6.7	ND<0.050			
Dispensers a	and Lines											
D-1	04/03/07	2.5	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	7.5	ND<0.050			
D-2	04/03/07	2.5	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	5.1	ND<0.050			
D-3	04/03/07	2.5	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	7.0	ND<0.050			
D-4	04/03/07	2.5	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	6.8	ND<0.050			
L-1	04/03/07	2.5	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	5.3	ND<0.050			

Notes: TPH total petroleum hydrocarbons

MTBE methyl tert-butyl ether mg/kg milligrams per kilogram

UST underground storage tanks and associated lines and dispensers

RM Associat	es											
	TABLE 3 - SUMMARY OF SOIL ANALYTICAL RESULTS - STOCK PILE											
	Rotten Robbie #64, 4186 East Avenue, Livermore, California											
Sample					Ethyl	Total	TPH as	TPH as	Total Lead			
•	Sample Date	Sample Type	Benzene	Toluene	benzene	Xylenes	Gasoline	Diesel	Total Leau	MTBE		
Number (mg/kg)												
STOCKPILE CO	OMPOSITE SA	MPLES										
SP-1 (ABCD)	04/03/07	Composite	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	ND<2.5	6.9	ND<0.050		
SP-2 (ABCD)	04/03/07	Composite	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	ND<2.5	7.9	ND<0.050		
SP-3 (ABCD)	04/03/07	Composite	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	ND<2.5	7.0	ND<0.050		
SP-4 (ABCD)	04/03/07	Composite	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	ND<2.5	10	ND<0.050		
SP-5 (ABCD)	SP-5 (ABCD) 04/03/07 Composite ND<0.010 ND<0.010 ND<0.010 ND<0.010 ND<0.50 ND<2.5 6.6 ND<0.050											
STOCK PILE DISCRETE SAMPLE												
SP-6	SP-6 04/03/07 Discrete Volitile Organic Compounds by EPA Method 8260B None Detected											

Notes: TPH total petroleum hydrocarbons

MTBE methyl tert-butyl ether mg/kg milligrams per kilogram

RM Associates

TABLE 4 - SUMMARY OF SOIL ANALYTICAL RESULTS - MONITORING WELL INSTALLATION Rotten Robbie #64, 4186 East Avenue, Livermore, California

Commis	Commolo		Sample			Ethyl	Total	TPH as	TPH as	
Sample Location	Sample Number	Sample Date	Depth	Benzene	Toluene	benzene	Xylenes	Gasoline	Diesel	MTBE
Location	Number		(feet)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
MW-1	SS-1-10	05/02/07	10	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	ND<5	ND<0.050
	SS-1-17	05/02/07	17	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	ND<5	0.23
	SS-1-21	05/02/07	21	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	ND<5	ND<0.050
MW-2	SS-2-10	05/02/07	10	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	ND<5	ND<0.050
	SS-2-16	05/02/07	16	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	ND<5	ND<0.050
	SS-2-21	05/02/07	21	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	ND<5	ND<0.050
MW-3	SS-3-10	05/02/07	10	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	ND<5	ND<0.050
	SS-3-15	05/02/07	15	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	ND<5	ND<0.050
	SS-3-22	05/02/07	22	ND<0.010	ND<0.010	ND<0.010	ND<0.010	ND<0.50	ND<5	ND<0.050

Notes: TPH total petroleum hydrocarbons

MTBE methyl tert-butyl ether mg/kg milligrams per kilogram

RM Assoiciates

TABLE 5- WELL CONSTRUCTION DETAILS Rotten Robbie 64, 4186 East Avemie. Livermore, California

Monitoring	Drilling	Borehole	Depth of	Casing	Screened	Filter Pack	Bentonite Seal	Cement/
Well	Date	Diameter	Borehole	Diameter	Interval	Interval	Interval	Bentonite Seal
		(inches)	(feet)	(inches)	(feet)	(feet)	(feet)	Interval
								(feet)
MW-1	05/02/01	8	30	2	15-30	13-30	10-13	0-10
MW-2	05/02/01	8	29	2	14-29	5-22	9-12	0-9
MW-3	05/02/01	8	30	2	15-30	13-15	10-13	0-10

Notes: MW- denotes monitoring well

RM Assoiciates										
TABLE 6 - PURGE DATA										
Rotten Robbie 64, 4186 East Avenue, Livermore, California										
Reporting	Well	Method of	Casing-Volumes							
Period	Number	Purging	Purged							
May-07	MW-1	12 V. PUMP	13							
May-07	MW-2	12 V. PUMP	16							
May-07	MW-3	12 V. PUMP	13							

RM Associat	es											
	TABLE 7 - WATER LEVEL MEASURMENTS AND ELEVATION											
Rotten Robbie 64, 4186 East Avenue, Livermore, California												
Well												
Number Elevation Groundwater Elevation												
Sample Date (feet MSL) (feet) (feet MSL)												
MW-1	05/07/07	NS	21.11	NC								
MW-2	05/07/07	NS	22.45	NC								
MW-3	05/07/07	NS	21.00	NC								
Notes:	MSL =	Mean Sea Level										
	MW =	Monitoring Well										
	NYS = Not Yet Surveyed											
	NC =	Not Calculated										

RM Assoiciates

TABLE 8 - FIELD MEASUREMENTS

Rotten Robbie 64, 4186 East Avenue, Livermore, California

_								
								Oxygen
							Dissolved	Reduction
		Sample	рН	Conductivity	Temp	Turbidity	Oxygen	Potential
	Well No.	Date	(Units)	(umhos/cm)	(C)	(NTU)	(mg/L)	(mV)
	MW-1	05/07/07	7.7	986	21	NM(Clearing)	0.2	38
	MW-2	05/07/07	7.7	979	21	NM(Clearing)	1.3	137
Г	MW-3	05/07/07	7.8	938	21	NM(Clearing)	1.60	121

Notes: C = Degrees Centigrade

mg/L = milligrams per liter

mV = millivolts

MW= Monitoring Well
NM = Not Measured

NTU = Nephelometric Turbidity Units umhos/cm Micromhos per centimeter

RM Associates

TABLE 9 - GROUNDWATER ANALYTICAL RESULTS Rotten Robbie 64, 4186 East Avenue, Livermore, California

				<u>, </u>		
				Ethyl	Total	TPH as
			Toluene	benzene	Xylenes	Gasoline
Well No.	Sample Date	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
Analytica	al Method	8260B	8260B	8260B	8260B	GC-MS
MW-1	05/07/07	150	7.0	620	160	4,800
MW-2	05/07/07	<0.5	<0.5	<0.5	<0.5	<1
MW-3	05/07/07	<0.5	<0.5	<0.5	<0.5	<1

Notes:

MW = Monitoring Well

TPH = Total Petroleum Hydrocarbons ug/L = Micrograms per liter (ppb)

Bold = Concentration Above Laboratory Detection Limit

RM Associates

TABLE 10- GROUNDWATER ANALYTICAL RESULTS Oxygenates and Chlorinated Hydrocarbons

Rotten Robbie 64, 4186 East Avenue, Livermore, California

Well No.	Sample Date	TBA	MTBE	DIPE	ETBE	TAME	1,2 DCA	EDB
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
Analytical I	Method	8260B	8260B	8260B	8260B	8260B	8260B	8260B
MW-1	05/07/07	<100	310	<50	<50	<50	<5	<5
MW-2	05/07/07	<10	<1	<5	<5	<5	<0.5	<0.5
MW-3	05/07/07	<10	<1	<5	<5	<5	<0.5	<0.5

Notes: 1,2 DCA = 1, 2 Dichloroethane DIPE = Di-Isopropyl Ether EDB = Ethylene Dibromide ETBE = Ethyl tert-Butyl Ether MTBE = Methyl tert-Butyl Ether

> MW = Monitoring Well

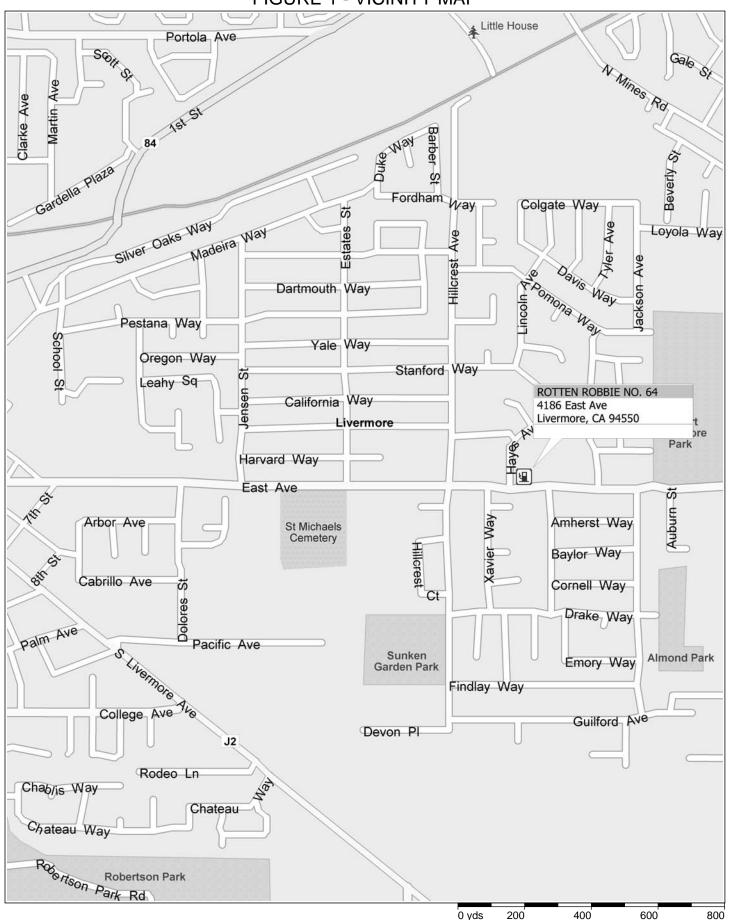
TAME = tert-Amyl Methyl Ether TBA = tert-Butyl Alcohol (tert-Butanol)

ug/L = Micrograms per liter (ppb)

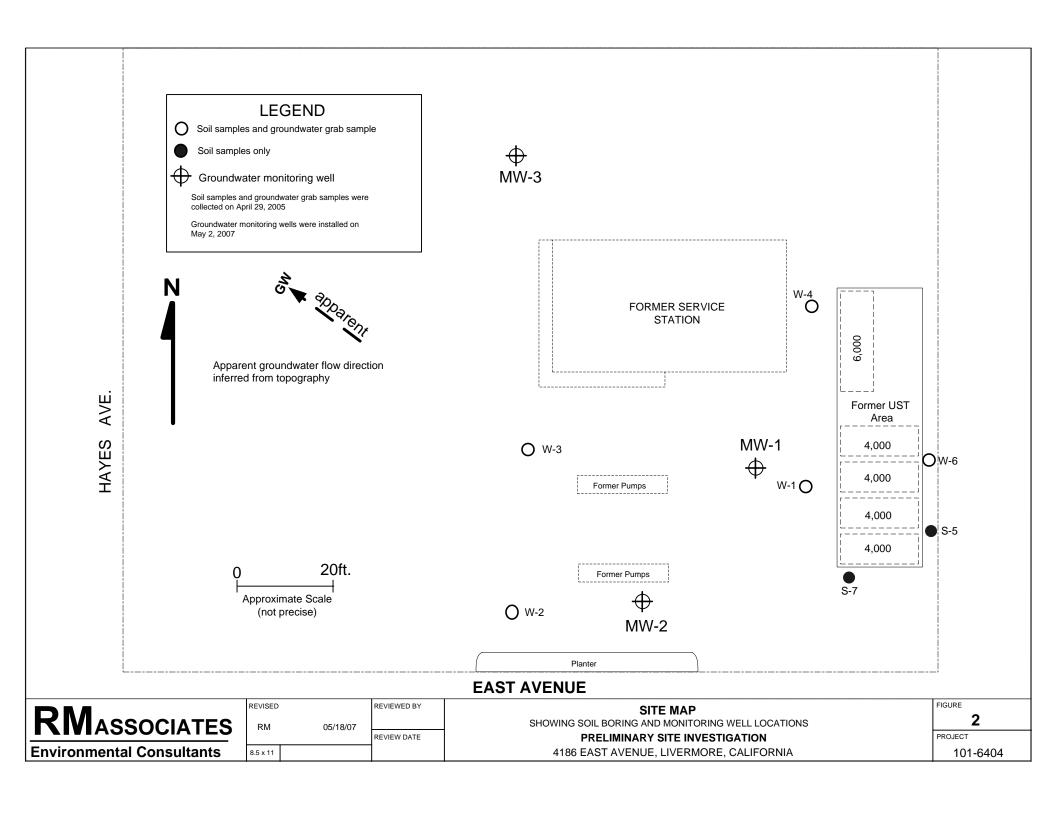
Concentration Above Laboratory Detection Limit Bold =

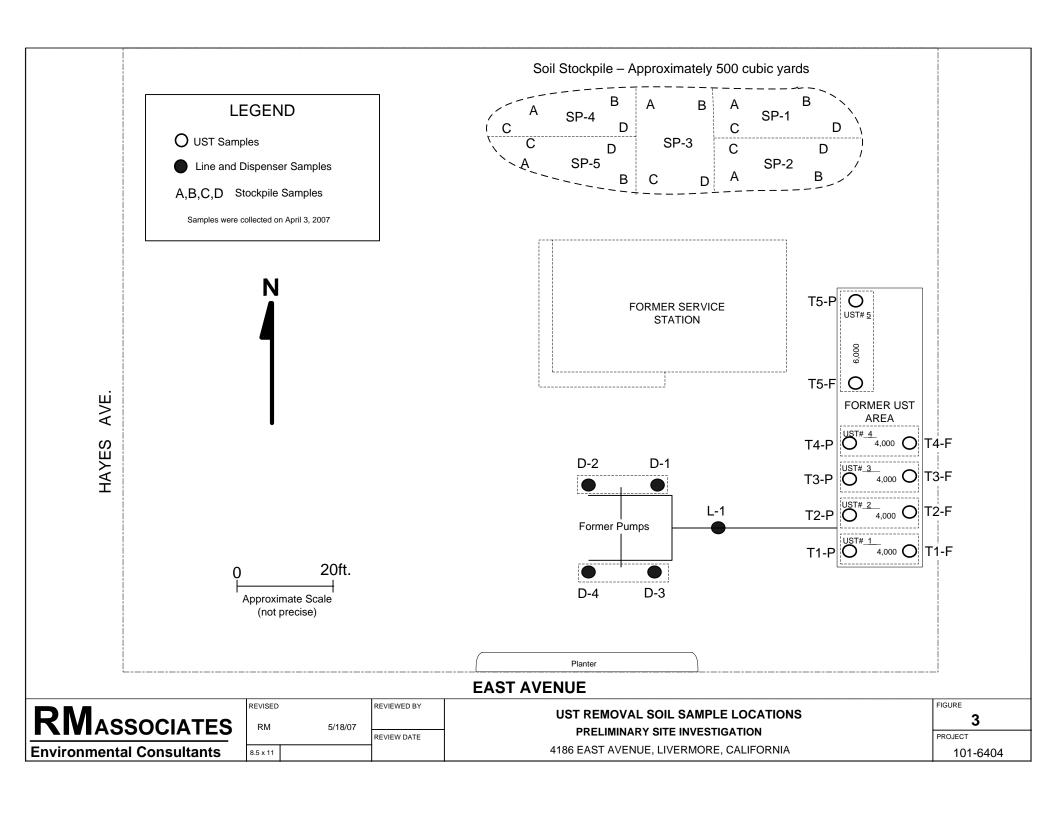


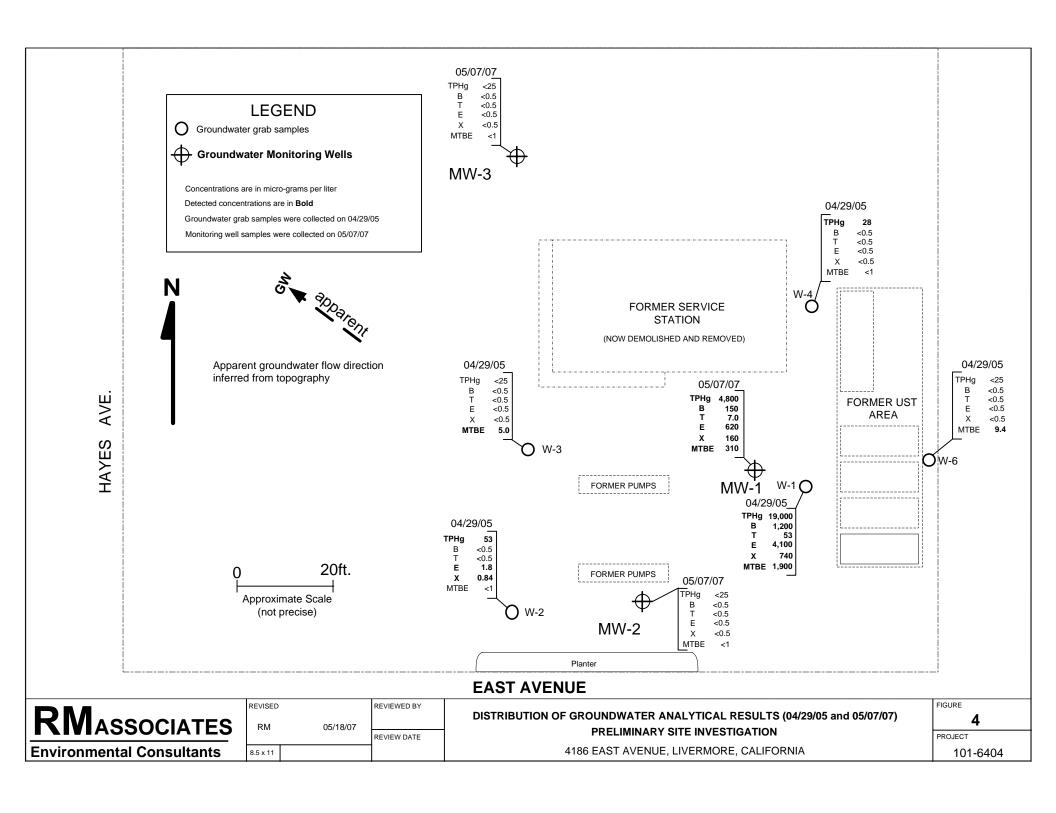
FIGURE 1 - VICINITY MAP

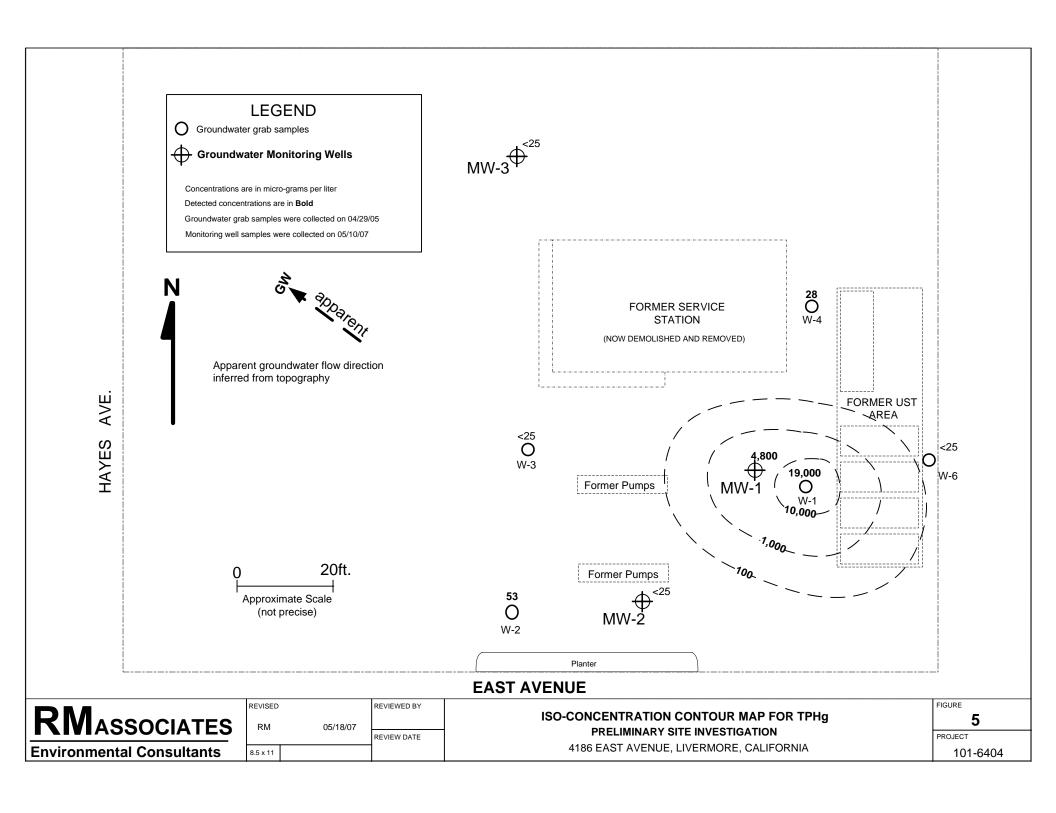


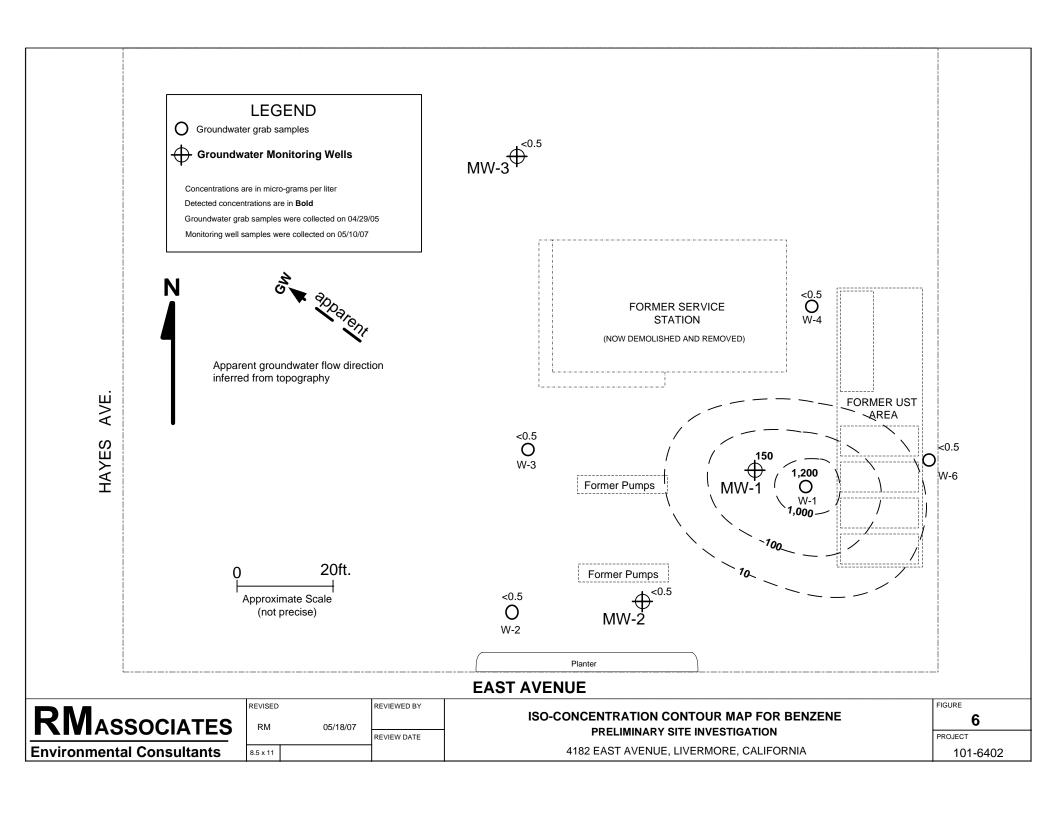
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© Copyright 2001 by Geographic Data Technology, Inc. All rights reserved. © 2001 Navigation Technologies. All rights reserved. This data includes information taken with permission from Canadian authorities © Her Majesty the Queen in Right of Canada.

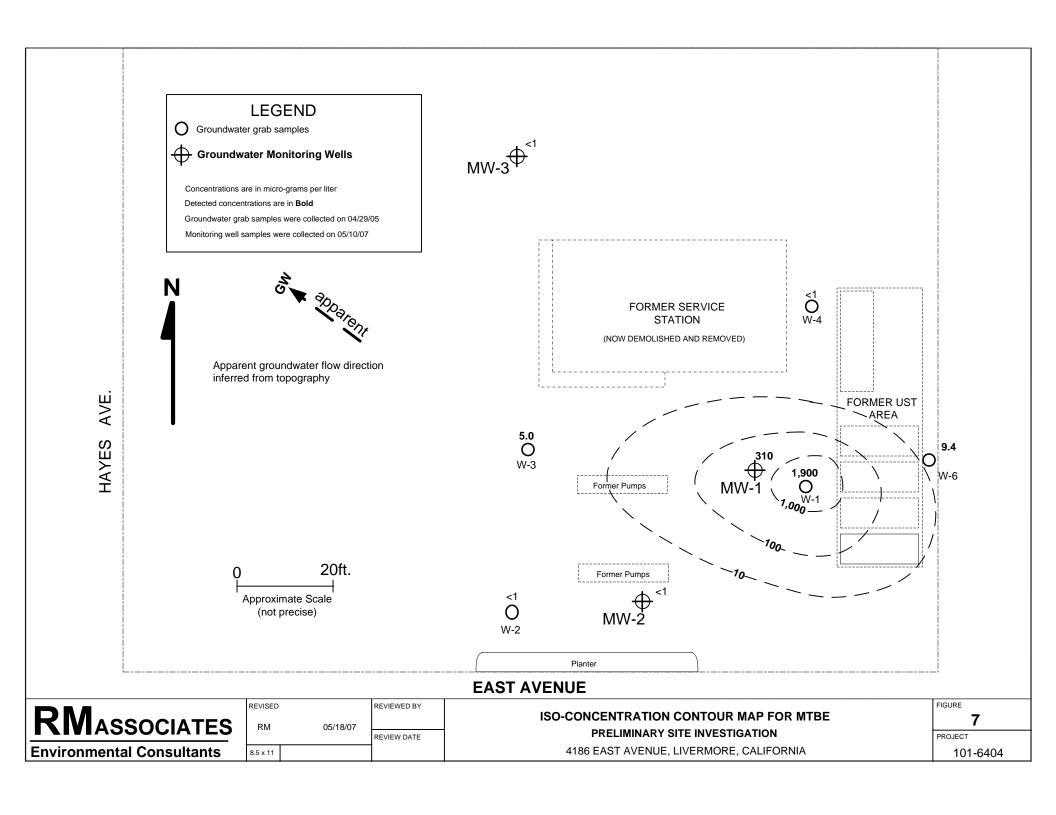


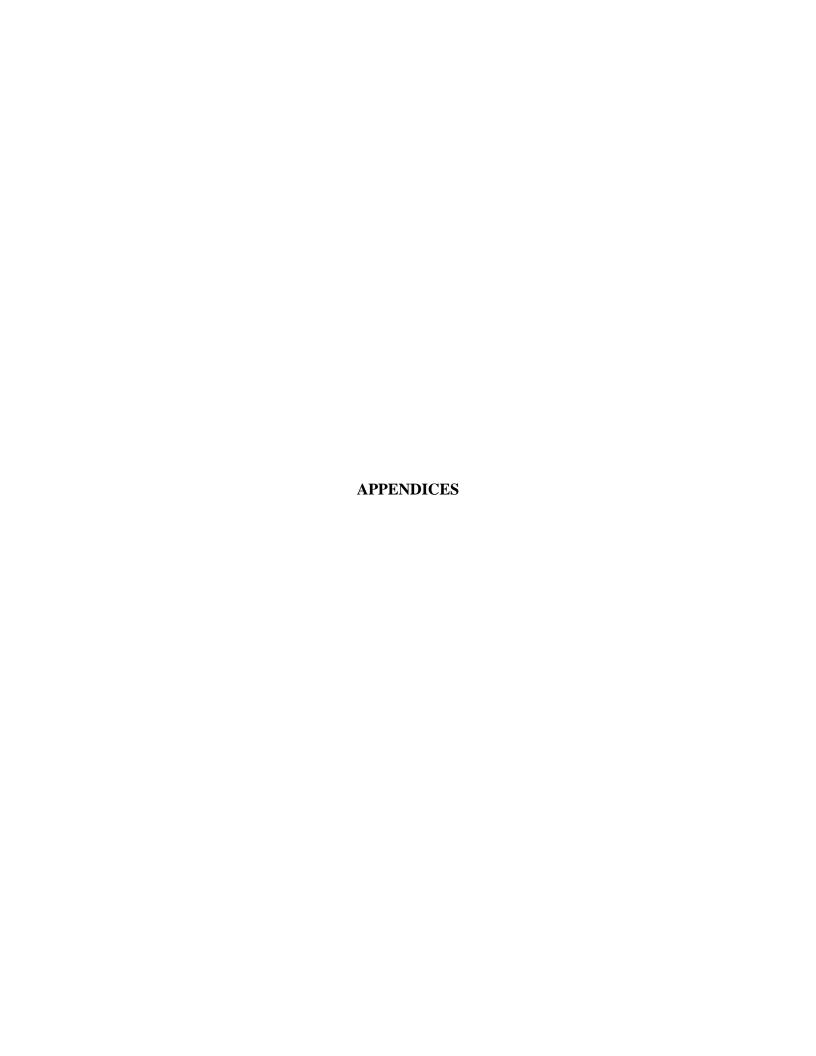












APPENDIX A UNDERGROUND STORAGE TANK DISPOSAL MANIFESTS

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		RM HAZARDOUS	T			2. Page 1 of		jency Response	Phone	4. Manifest T	racking Nu	mber	مسسلكرا			
	WAS	STE MANIFEST	CACO	-0261		1 1		1-5479	PF 2:FF 4 41.			120	<u>J</u> J	JN		
5		rator's Name and Ma ららいらつい			Att BETH DE	سط⊀ اکست الاز س	ROBIN	ISON OIL Ì	in dillerent tha [NC-RO]	in mailing address ITEN ROBI	9 BIE #64		-			
	425	I RMALLIMY O	ROAD	÷				BASTAVE MORE CA	DARRO							
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	. Trans	sporter 1 Company N	ame	, , , ,							U.S. EPA ID Number C A D 8 8 2 0 3 0 1 7 3					
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7	. Trans	sporter 2 Company N	ame - 4	agradica de la regiona de la composição de	and the second second second second second	and the second	AN	and the second second		, U.S. EPAID N	nwper*	Samuel Andrews	ng garang Pilipa maganan yan sanan sa			
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\prod		gnated Facility Name			аў 2 11-11-11-11-11-11-11-11-11-11-11-11-11-	334 L										
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١,		's Phone: 510 2				(///	- 1			CAD	0 0 8	46	<u>839</u>	12		
11	9a.	9b. U.S. DOT Descr	iption (including Pro	per Shipping Name, H	lazard Class, ID Numbe	. <i>K</i>	7	10. Contair	ners	11. Total	12. Unit	13	, Waste Co	des		
$\ \ $	HM	and Packing Group				žec.		Ng Ng	Туре	Quantity	Wt./Vol.		1	<u> </u>		
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	14. Sp	necial Handling Instru	ctions and Additional	Information	TANK # 334.	1.6		# 33417	#	33420)	. N.				
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	h) E	AR PROPER	r bar Auri	N LITERATIVE	G. WEIGHTS	WIMT AC	/ LE UPATA	a ant a	r rrusa l	I/121 1 1 -						
	15. 0	GENERATOR'S/OFF	EROR'S CERTIFICA	ATION: I hereby decl	are that the contents of t	hls.consignmer	nt are fully	and accurately de	escribed abov	e by the proper sh	hipping nam	e, and are c	lassified, pa	ickaged,		
	1	Evander I cedify that	the contents of this a	considement conform	r condition for transport a to the terms of the attac	thed EPA Ackno	wiedamer	it of Consent.			i. Ir expart s	пірівені анс	i i am ute r)IIIii i ri A		
	- 1	certify that the waste	minimization staten	nent identified in 40 C	FR 262.27(a) (if I am a l	arge quantity g	enerator) c	r (b) (if I am a sm	nali quantity ge	enerator) is true.			Tonth C	Day Year		
	Gener	rator's/Offeror's Printe		A		, , , , , , , , , , , , , , , , , , ,	Signature		M				1	3 07		
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DESIGNATED	19. F	lazardous Waste Rep	ort Management Me	thod Codes (i.e., cod	les for hazardous waste	treatment, disp	osal, and r	ecycling systems)				,	· · · · · · · · · · · · · · · · · · ·		
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iea 1	se print or type. (Form designed for use on ellite (12-pitch) typewriter.) UNIFORM HAZARDOUS 1. Generator ID Number WASTE MANIFEST CACOOC2 5 1 5 0 7 8	2. Page 1 o		gency Response F 21-5470	Phone	4. Manifest 1	racking No	mber		1.JK	
	5. Generator's Name and Mailing Address ROBBINSON OIL INC 4250 WILLIAMS ROAD SAIN JOSE CA 95129 Generator's Phone: 4 0 8 5 1 7 - 4 3 4 9 Att. BETH DE MORE ROBINSON OIL INC-RO 4186 EAST AVE LIVERMORE CA 94550					TTEN ROBBIE #64					
	6. Transporter 1 Company Name Ecology Control Industries 7. Transporter 2 Company Name		U.S. EPAID Number C A D 9 8 2 0 3 0 1 7 3 U.S. EPAID Number								
	8. Designated Facility Name and Site Address Ecology Control Industries		U.S. EPA ID Number								
	255 Parr Boulevard Pichmond CA 94801 Facility's Phone: 510 235-1393				CAD009465392						
	9a. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No Type			11. Total Quantity	12, Unit Wt./Vol.	13.	Waste (Codes	
GENERATOR -	Non-RCRA Hazardous Waste, Solid (EMPTY STORAGE TANK(S) 2.			003	TP	14686 14686	b	612			
GEN	3.		ŧ								
	4.										
	14. Special Handling Instructions and Additional Information OTY 2 EMPTY STORAGE TANKS. TANK # 33418 ECT JOB # 52T3348 WEAR PROPER PRE WHEN HANDLING. WEIGHTS AND VOLUMES ARE APPROXIMATE. 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.										
<u> </u>	Generalor's/Offeror's Printed/Typed Name		Signature		M.	N.A.			onth U	Day Year ろしつ	
RIF	6. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.: 17. Transporter Acknowledgment of Receipt of Materials										
TRANSPORTER	Transporter 1 Printed/Typed Name HERSA HEL COLLING Transporter 2 Printed/Typed Name		Signature Signature	7/ller	AL.				onth 4/ i onth	Day Year Day Year	
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DESIGNATED FACILITY	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treat			cycling systems)	to of the open cons	· 1.			X	1	
<u> </u>	20. Designated Eacility Owner or Operator: Certification of receipt of hazardous materials cover		anifest exc	ept as noted in Iten	√ \			/	i â		
Printed/Typed Name Signature FPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY DESIGNATED FACILITY								1	lonth 34 /	Day Year OU 07 ENERATOR	

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\uparrow		ORM HAZARDOUS ASTE MANIFEST C A C 0 0 2 6 1 5 0 7 8	2. Page 1 of	300 321-5479			214	120	<u>5</u> J.	JK_		
	RC	5. Generator's Name and Mailing Address Att BETH DE MORE Generator's Site Address (if different than mailing address) ROBBINSON OIL INC										
	4250 WILLIAMS ROAD 4186 EAST AVE SAN JOSE CA 95129 LIVERMORE CA 94550											
	Generator's Phone: 4 [] 8 5 1 7 - 4 3 4 9					U.S. EPA ID Number						
Ш	Ecology Control Industries					C A D 9 8 2 0 3 0 1 7 3						
	7. Transporter, 2 Company Name					U.S. EPA (D.Number						
	8. Des	signated Facility Name and Site Address Giogy Control Industries			······································	U.S. EPA ID N	umber					
	255 Parr Boulevard Pichmond CA 94901			** ***********************************								
		ys Phone: 510 236-1993				c & c	392					
	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Contain	ners * Type	11. Total Quantity	12. Unit Wt./Vol.	43 Masta Cadas				
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	15. (3342 / 3342 / 3342 - 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,										
	E	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.										
		rator's/Offeror's Printed/Typed Name	Ignature //									
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I.LNI	16. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Transporter signature (for exports only): Date leaving U.S.:							<u> </u>				
TER		ansporter Acknowledgment of Receipt of Materials poder 1 Printed/Typed Name	S	ignajur@//	10-	100		Mon	th Day	Year		
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틸	18b. <i>A</i>	Atternate Facility (or Generator)				U.S. EPAID N	Number		:	e.		
FAC	Facility's Phone:											
DESIGNATED FACILITY	18c. 5	Signature of Alternate Facility (or Generator)						Мо	nth Da _i	y Year		
SIGN	19. H	azardous Waste Report Management Method Codes (i.e., codes for hazardous waste tre	alment, dispo	sal, and recycling systems)				L	<u> </u>			
	1.	HIGY	3.	• •		4.						
$\ $		esignated Facility Owner or Operator: Certification of receipt of hazardous materials cove			m 18a							
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APPENDIX B

SOIL BORING LOGS

	3.73	IX7 1								
Well Name		W-1							(↑) MW-3	
Client		Assoc.	06 E +	A T:			7.4	an an	Not To Scale	
Location Date			86 East	Ave., Live	ermor	e, (Ĵ A	nue	Not 10 Scale	
		02/07	Caran	.: T	(C 5'	74.	494299	1ve	MW	.1
Drilling Co.				vices, Inc.	(C-3	/#:	484288	Hayes Avenue	+	-1
Drilling Met		llow-Sten		lit-Spoon	Comp	lor		lay	MW-2	
Sampling M Well Casing				020 casing					+	
Logged By		rest Cool			ζ/π3	ъа	iiu		East Avenue	
Σ z Ω	1				+		၂ ၁		Edot/Worldo	_ <u>.</u>
Laboratory Analyzed Sample ID	Sample Depth (feet)	Blows per 6 in.	Moisture Content	Product Odor	Depth	III Lee	Graphic Log		Soil Description	Well Const.
	0 - 1.5	³ _{4 4}	MOIST	NO	0	Н	\dr. \. \. \.	Clayay	Crown (CC) doub brown maint lance	(1) (1)
	1.5 - 3.0	4	MOIST	NO	2	H	7-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		Gravel (GC), dark brown, moist, loose, trix, with quartz and chert cobbles.	//i //i
	3.0 - 4.5	4 5 ₇	MOIST	NO	4	I	\$ 5			
	4.5 - 6.0	4 _{7 13}	MOIST	NO		${\mathbb H}$			ravel (GW), light brown, moist,	
	6.0 - 7.5	11 ₁₂₁₃	MOIST	NO	6	Ħ	9 100		dense to dense, subrounded gravel matrix, ny cobbles greater than 2-inches.	海
	7.5 - 9.0	¹⁰ 12 ₉	MOIST	NO	8	\parallel	10,0		J	
SS-1-10	9.0 - 10.5	11	MOIST	NO	10	Ħ				
	10.5 - 12.0	8 10 ₁₄		NO	12	I				
	12.0 - 13.5	/	MOIST	NO		H	1001	Silty Sar	nd (SM), light brown, moist, fine.	
	13.5 - 15.0	16		SLIGHT	14	П	0/, 2/, 5/		Gravel (GW), light gray, moist, medium	
SS-1-17	15.0 - 16.5	, 7	MOIST MOIST	SLIGHT	16	Ħ	10 10 10	<u> </u>	oarse sand matrix. ———————————————————————————————————	
SS-1-1/	16.5 - 18.0 18.0 - 19.5	⁵ 6 ₇	MOIST	NO NO	18	H			sticity, with trace fine sand.	
SS-1-21	19.5 - 21.0	5 6	MOIST	NO	20	I				
55 1 21	21.0 - 22.5	12 ₁₃		SLIGHT	22		1000,0		Initial Water at approximately 22.0 feet	
	22.5 - 24.0	9 15 ₂₅	WET	SLIGHT		Н	9 100	Sandy C	Gravel (GW), light gray, wet, medium	
	24.0 - 25.5	7 8 10	WET	SLIGHT	24	H	10,0,0		dense, subrounded gravel matrix.	
	25.5 - 27.0	•	WET	NO	26	Н	71 . 1 <i>0 0</i> `			
	27.0 - 28.5	12 ₂₀	WET	NO	28	Н	1000			
	28.5 - 30.0	7 10 ₁₈	WET	NO	30	I	900			
								To	otal Depth Explored 30 feet bgs	
					32	F				
					34		1		gt 1 g . 1 . 45' . 50'	
					36	\vdash			Slotted Casing 15' - 30' and 13' - 30'	
					38				nite 10' - 13' 10' - surface	
								Grout	10 Suitace	
					40					
GEORI	ESTOR	ATION	, INC.						WELL LOG [MW-1] Page 1 of 1	

Well Name	M	W-2								
Client									MW-3	
Location		I Assoc.	86 Fact	Ave., Live	ermor	e (¬Δ	Φ	Not To Scale	
Date		02/07	oo Last	Tive., Live	crimor	υ, τ	<i></i>	nue		
Drilling Co.			Geoser	vices, Inc.	(C-5	7#4	184288)	Hayes Avenue	MW	-1
Drilling Met		llow-Sten			(sə/	+	
Sampling Mo				lit-Spoon	Samp	ler		Ha)	MW-2	
Well Casing				020 casing					•	
Logged By		rest Cool	c PG # 8	3201	-				East Avenue	
Laboratory Analyzed Sample ID	Sample Depth (feet)	Blows per 6 in.	Moisture Content	Product Odor	Depth	ווו רפפו	Graphic Log		Soil Description	Well Const.
		4			0	H	51.707			1.1
	0 - 1.5		MOIST	NO		-			Gravel (GC), dark brown, moist, medium	
	1.5 - 3.0	. 9	MOIST	NO	2			dense, c	lay matrix, gravel is subrounded.	
	3.0 - 4.5	⁴ _{5 12}	MOIST	NO	4		<u> </u>			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	4.5 - 6.0	50 for 1"	MOIST	NO	6	H	1000		Gravel (GW), light brown, moist,	
	6.0 - 7.5	1 18	MOIST	NO	0		9 1/200		dense to very dense subrounded gravel with cobbles greater than 2-inches.	游
	7.5 - 9.0	⁸ 17 ₂₈	MOIST	NO	8		10/2/9	iliauix, v	with coopies greater than 2-meries.	
SS-2-10	9.0 - 10.5	13 ₂₈	MOIST	NO	10		1001			
	10.5 - 12.0	¹³ 30 ₂₀	MOIST	NO	12		- 0 0 V			
	12.0 - 13.5	10 ₁₄ ₂₀	MOIST	NO	12	$oxed{\Box}$, A , , , , ,		Gravel (GC), dark brown, moist, dense, clay	
	13.5 - 15.0	10	MOIST	NO	14			maurix, v	with quartz cobbles greater than 2-inches.	
SS-2-16	15.0 - 16.5	⁵ _{5 6}	MOIST	NO	16	H			ay (CL), light brown, moist, stiff, estimated sticity, with trace fine sand.	
	16.5 - 18.0	3 3 5	MOIST	NO	18		====	10 W plas	word, with trace the said.	
	18.0 - 19.5	³ ₄ ₆	MOIST	NO		Н				
SS-2-21	19.5 - 21.0	³ ₅ ₈	MOIST	NO	20		<u></u>		Initial Water at approximately 21.0 feet	
	21.0 - 22.5	0	WET	NO	22	\vdash	10 0, 9 10 0, 9	Salidy O	Gravel (GW), light brown, wet, medium ubrounded gravel matrix.	
	22.5 - 24.0	⁴ ₅ ₇	WET	NO	24	\blacksquare			Sand (SW), light brown, wet, coarse.	
	24.0 - 25.5	³ 8 12	WET	NO	26		10,10,10		Gravel (GW), light brown, wet, dense to very	
	25.5 - 27.0	¹¹ ₂₁ ₂₃	WET	NO	26	\Box	000	dense, si	ubrounded gravel matrix.	
	27.0 - 28.5	³⁰ 23 ₃₀	WET	NO	28		9,010			
					30	<u> </u>	-	Tot	tal Depth Explored 29 feet bgs	
					32		1			
					32	_	-			
					34		1			
					36		-		Slotted Casing 14' - 29' and 12' - 29'	
						\vdash	-	Bentor	nite 9' - 12'	
					38]	Grout	9' - surface	
					40	_				
GEORE	ESTOR	ATION	, INC.					1	WELL LOG [MW-2] Page 1 of 1	

XX/-11 N/	М	W-3								
Well Name									MW-3	
Client		Assoc.	R6 Fact	Ave., Live	armor	<u> </u>	~ A	Φ	Not To Scale	
Location Date		02/07	50 East	Ave., Live	2111101	е, ч	CA .	nué	100 10 000.0	
Drilling Co.			Geosery	vices, Inc.	(C-5)	7#4	484288)	Hayes Avenue	MW-1	[
Drilling Met		llow-Sten			(00			es/	+	
Sampling Mo				lit-Spoon	Samp	ler		Hay	MW-2	
Well Casing				020 casing				_	•	
Logged By		rest Cook							East Avenue	
Laboratory Analyzed Sample ID	Sample Depth (feet)	Blows per 6 in.	Moisture Content	Product Odor	Depth in Foot	III Feet	Graphic Log		Soil Description	Well Const.
	0.15	7 8 ₁₂	MOIST	270	0	H			ı,	1
	0 - 1.5	4	MOIST	NO	2				Gravel (GC), dark brown, moist, medium lay matrix, gravel is subrounded with cobbles	
	1.5 - 3.0		MOIST	NO		H	4 4 6		han 2-inches.	
	3.0 - 4.5	11		NO	4	H			N.	
	4.5 - 6.0	. x	MOIST	NO	6	I	1	L		
	6.0 - 7.5	⁴ 7 ₂₄	MOIST	NO		Н	9 1/200		Gravel (GW), dark brown, moist, dense to dense, subrounded gravel matrix,	
	7.5 - 9.0	26	MOIST	NO	8	П	0 0 0		ny cobbles greater than 2-inches.	
SS-3-10	9.0 - 10.5	⁹ 12 ₁₃	MOIST	NO	10				/	<i>)</i> 1
	10.5 - 12.0	¹² 10 ₁₅	MOIST	NO	12	I	200	decreasi	ng cobbles.	
	12.0 - 13.5	¹¹ 12 ₁₆	MOIST	NO		Н			Gravel (GC), dark brown, moist, medium	
SS-3-15	13.5 - 15.0		MOIST	NO	14		5107		ay matrix, gravel is subrounded, with increasing in size with depth.	Ш
	15.0 - 16.5	11 ₁₂	MOIST	NO	16	\vdash	<u> </u>			
	16.5 - 18.0	⁶ ₅ ₆	MOIST	NO	18	I	, , , , , , , , , , , , , , , , , , ,		Clay (CL), light brown, moist, stiff, stiff, estimated low plasticity, sand is fine.	
	18.0 - 19.5	⁵ 8 12	MOIST	NO		Н	, , , , , , , , , , , , , , , , , , ,		F,	
	19.5 - 21.0	⁶ 10 14	MOIST	NO	20	Ħ		Clayey (Gravel (GC), dark brown, moist to wet,	
SS-3-22	21.0 - 22.5	⁹ 14 ₂₁		NO	22	۲	7 - 0	medium	dense to dense, clay matrix, gravel is ded with cobbles greater than 2-inches.	
	22.5 - 24.0	8 _{10 10}	WET	NO	24	I	 677. 7			
	24.0 - 25.5	⁷ 8 15	WET	NO		Н	10,000		ravel (GW), light gray, wet, medium ibrounded gravel matrix.	
	25.5 - 27.0	¹⁵ 15	WET	NO	26	Ħ		acrisc, 50	actional graver matrix.	
	27.0 - 28.5	9 _{12 15}	WET	NO	28	\vdash	9,019			
	28.5 - 30.0	⁸ 7 ₅	WET	NO	30	I		Silty Cl	lay (CL), light brown, wet, stiff.	
						\vdash	1	To	otal Depth Explored 30 feet bgs	
					32		1	<u> </u>	= Initial Water at approximately 22.0 feet	
					34	\vdash	-			
						L			Slotted Casing 15' - 30'	
					36				nd 13' - 30' nite 10' - 13'	
					38	-	-		10' - surface	
					40	L				
			ļ !		40					
GEORE	ESTOR	ATION	, INC.						WELL LOG [MW-3] Page 1 of 1	

APPENDIX C GROUNDWATER SAMPLING AND HANDLING PROCEDURES

APPENDIX C

GROUNDWATER SAMPLING AND HANDLING PROCEDURES

The following protocol was used develop wells and to obtain and handle groundwater samples:

- Water levels were measured with an electronic interface tape capable of measuring the static fluid level in the well in one immersion. Prior to sampling, each well was purged with an 12 volt turbine pump until 13-16 casing-volumes of water had been removed. Temperature, pH, and conductivity were monitored throughout purging until these parameters had stabilized. Dissolved oxygen was measured prior to purging the well and oxidation-reduction potential (ORP) of the extracted groundwater was measured at time of sampling. The wells were sampled after 80 percent or greater recovery of the initial water level. Water level data and field data are presented in Tables 7 and 8, respectively, and copies of the Purge/Sampling Worksheets are included in Appendix D.
- To minimize potential cross-contamination between wells, all measuring, purging, equipment was washed in a non-phosphate detergent solution, rinsed with tap water, and then rinsed with distilled water.
- Groundwater was collected from the wells using a clean Teflon™ disposable bailer attached to a clean nylon cord. Samples were decanted into 40-milliliter (ml) volatile organic analysis vials with Teflon™-lined septa, and preserved with hydrochloric acid to an approximate pH of 2.0. All samples were labeled and placed in a refrigerated cooler with the chain-of-custody document. Samples transported to the laboratory were analyzed within the specified holding time. Samples stored overnight at GeoRestoration Inc. were refrigerated at a temperature of approximately 4 degrees Celsius. Collected samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and total xylenes (BTEX), five fuel oxygenates, and two chlorinated hydrocarbons..
- Groundwater produced during purging and sampling was transported and processed at the groundwater treatment facility at 25 Washington Street, San Jose, California.

APPENDIX D PURGE AND SAMPLING WORKSHEETS

oject Name:	Rol	ten Rubbii	# 64		7. 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Project N	umber	je.	
idress:			<u> </u>	·		Reg. Age	псу:		
		·	·.			Other Red	q's.:		,
ell Number_ ampler(s):	IVW.	Pavick	Date: 5	17/07	···	Well Lock	Number	. 	·
agnant smuk	Well Ca Diamete	sing er (inches)	Total Well		initial Depth Groundwate		Stagnant \	/olume	
alculation		2=	30	•	21.11		1.51		·
			:		*	,			
tagnant Volu	ıme Calcu	iation						. •	
	Total Well	dwater X Depth to	Gallons per Unear Foot of Ground- water 0:17	Stagnan Volume (gal.)	Hor	71/2 St	oating Productions of the contract of the cont	-	
44	Depth (ft.)	GW (ft.)	0.58 =						
6	??;*/ _{*/}		1.5: ○ '=:		Date:	5/7/	07	Time	1330
iroundwater urging		Method Used Stainless Steel 2V	Baller;	Submer	sible Pump			nment 1 55 g Cap	
/olumes	Volume Purged (<u>oal)</u>	<u>Time</u>	Temp.	рH	Conductiv umhos		Color/Tu (other)	ırbidity	
0	0	1217	21	7.6		29	Gre	7181	esse in a limit of the line of
1. O.	2	,	21%	7.7	10	75	i i		
2	4 .	12:20	21	7.7	9	84		<u> </u>	in die one
3	_6	12:22	21	7.7		10		,	
4	8	12:24	21	7.7	9	95		<u> </u>	
5	12	12:28	71	7.7	. 9	13	. //		
6	14	12:2533	21	77	9	10	_ <u> </u>	in	
7	16	12:35	21	7.1		87		, V	<u> </u>
8	18	12:37	21	7.7		85		·	
9	20	12:40	21	7.7	_	86			
10					4	7			
		4 . <u></u>		. ,					
Groundwat Sampling	er <u>}</u>	<u>Water Level Re</u> Depth	covery to GW (ft.)		Sample Cont	tainers	How Many?	Preservativ	es?
	(P) After	purging	29.00		1 liter, ambe	r glass	ı	N/4/1/	<u> </u>
	(I) Initial		21.11		40 ml, VOA	g	4	HU	142
		re sampling	21.11		500 ml, poly	zoronvlena Zoronvlena			
/n a\ / /n	• •	~^	otal Recove		· ·	bioblicin			
(P-S) / (P	-I) x 100 =	700 781	Ulai MUUVE	y					

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORKSHEET

oject Name:	KOIN	- 1000	ic # 64		-	mber cy:		
	٠.		<u> </u>		Other Req	s.:		
/ell Number_ ampler(s):	Jim 1	Pavičk	Date: 5	17 07	Well Lock	Number		**************************************
lagnant olume alculation	Well Car Diamete	sing r (inches) 2	Total Wel Depth (ft. 29		Initial Depth to Groundwater (ft.)	Stagnant \ (gal.)	/olume	
tagnant Volu	me Calcul	ation	1.					
Well Casing Diam- eter (Inches)	Uniear <u>Grouns</u> Fotal Well	Feet of Iwater X	Gallons per Unear Foot of Ground water	Stagnant Volume (gal.)	Groundwater Surface Flo. None She None Od Remarks: D0.	ating Produc een/Iridesce or	t (ft.) (in.) nce	
4	Septh (ft.)	GW (ft.)	0.66 = 1.5 =		Date: 5/7/07	-	Time	13:10
Groundwater	Purae l	Method Used	<u> </u>			Vater Contain		
ourging .		tainless Stee	l'Bailer;	_ Submers		als stored in	55 (gal drum(s)
Volumes F	/oluma ^o urged <u>'oal)</u>	<u>Timə</u>	Temp.	pΗ	Conductivity umhos us	Color/Tu (other)		, , , , , , , , , , , , , , , , , , ,
0	-0-	11:06	<u>21.</u>	77	1091	Dru	Mar dien (A)	
	2		21	7.7	1083	MINE WILLIAM WILL WILL		es all a size in comment in the first terminal
2	4	11:10	21	3.7				
3	6	11:12	21	7.7	1035	1/		
4	Q	11:15	21	77	995	11		
5	10	12:19	21	7.7	982		w'n	
6	12	11;24	21	7.7	980	/		
7	14	11:29	21	7.7	479			
8	16	11:34	71	7.7	980	· / //		
	18	11:31	21	77	979	· · · · · · · · · · · · · · · · · · ·		
9 10		11/31					<u> </u>	
Groundwate Sampling	er <u>y</u>	/ater Level R	ecovery		Sample Containers	How		
·		Depth	to GW (ft.)			Many?	Preservativ	
	(P) After	purging	28.00		1 liter, amber glass	1	MOM	
	(i) Initially	1	22.45		40 ml, VOA	4	Heli	142
ĕ ₁.	(S) Befor	e sampling	22.45		500 ml, polypropylene			
- AL) × 100 =		Total Recove					

Project Name		Jen Rubi					umber ncy		
Vell Number Sampler(s):	—	Saviche	Date:	5/7/07			Number:		
Stagnant /olume Calculation	Well Ca Diameter	e <u>r (Inches)</u>	Total We		Initial Dept Groundwar	ter (ft.)	Stagnant (gal.)		
J 4.54,21.511		2=	30		٦١, ١	<i>io</i>	. 1	53	
Stagnant Vo	lume Calcu	ilation					· :	: .	
Well Casing Diam- eter (Inches)	Unear <u>Groun</u> Total Well	Feet of dwater X	Gations per Unear Foot of Ground water	Stagnant Volume (gal.)		9 FIG St 00 FIG ONE	face inspect pating Produ neen/Iridesco dor	ct (ft.) (in. ence)
42 vision		GW (n.)	0.58 = 1.5 =		Date:	5/7/	67	Time	12:15
Groundwate Purging		Method Use Stainless Stee	el Bailer;	_ Submers	sible Pump			n 5	5 gal drum(s) Capacity
Stagnant	Volume						vious arams		Dapacity
Volumes Purged	Purged (<u>gal)</u>	Time	Temp.	Ha	Conduction umbos	vity s us	Color/T (other)	urbldity	
0 1 2 3 4 5 6 7 8 9	3 4 6 8 10 12 14 16 18 20	10:05 10:05 10:05 10:07 10:08 10:09 10:10 10:11 10:12 10:15	21 21 21 21 21 21 21 21 21	7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8	9 9 9	5 1055 1037 196 64 160 959 58 41 131 131		hearing 11	
Groundwa Sampling	ter <u>y</u>	Water Level F	1	\$	Sample Con	ntainers	How		
	4-1-1-1-1-1		to GW (ft.)	•	(A)		Many?	Preserva	
	(I) Initiali	purging ly are sampling	23.10 21.00 21.00	•	1 liter, ambi 40 ml, VOA 500 ml, pol		<u>4</u>	Hol	142 142
(P-S) / (F	e-l) × 100 =		Total Recove		out in pot	, p. 563,6116			1
		covery; \$ =						•• 1/2	

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DI							/ista Drive, Su	ite 102			(٦,	ΛII	AI (OF	CI	IC'	TC	יחו	/ E			A
RMA	1 ====i	12400	7		eer, CA				•		•	, []	All							, L	Ui	ZIA	/II
	ASSOCI	aics	ۏ				295-6218 295-3974				T	naro	- 10 d		_x103	PART OF	ا	g da	. ,	2	0 62		ľ
D 1 111	Datter Dahl	-!- No 6					295-3974 Ison Oil Corpo	oration			Time		unu		7 da)lanu	ai —	3 day	<i>}</i>	— ²⁻			
,	Rotten Robb	DE NO. O	4	. `			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						days		— / aa 5 da			2 day 24 hr		ot	ner.	,	
Project Number:	101-6404					lask.					(WUI	King	uays) .	_ 5 u	зy		24 16	í		_		
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,	Entech Anal		DE		ntact.	Sillio	Hague		. ,		 			\neg	Alla	lysea	T	Tues	Teu				/
	(408) 588-02									N N									1				
RMA Project Manager:			'n			Desig	to to a Quala	222.22	:	1,1													
RMA PM Ph. No.:	(209) 295-79						helson@volca	ano.nei	<u>:</u>	xy's													
RMA Sampler:	Ron Michels			٠ ٢	none:	(209)	295-6218			Fuel Oxy's/ 1,2 260B)	ı́⊋								'				
	Jim Pa	NICK	<u> </u>	11				-41		5 Fu (826)	준												
	Sam	nple Info	rma	tion		Con	tainer Inform		Field Pt. I.D	EX/8	8								'				
	1 1	, ,		Matri	x		T.,	ive	Check if same	/BT & E	무							. ,					
DIA Commis ID	1 2-4- 1	Time 5				No.	Туре	Preser- vative	as Sample I.D.	TPHg/BTEX/5 Fuel (DCA & EDB (8260B)	TPHd (8015M)												
RMA Sample ID	Date_	Time	Soil	Water	Vapor	igwdapprox igwedge	╀	لــــــــــــــــــــــــــــــــــــــ	as Sample 1.0.	FΩ	╚	\vdash	-	-+	+	+-	+	-	├ ─┤	₩	igspace	igcup	\vdash
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MW-2		1310		Х		1	1 Liter Amb	·'	X		Х					\perp				$\bigsqcup '$		$[\cdot]$	
	1 . J	<u> </u>	·			. 5									, .		2						
MW-3		12:11		Х		4	40 ml. VOA	HCL	X	X							\perp						
MW-3	<u> </u>	1705	_ _	Х		1	1 Liter Amb	<u>'</u> '	X		Х												
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				- ;	Date/	Time:	5/7/07	1-17	Received By:	$\overline{}$	sh	161	Red	<u>n</u>	.	Ds	te/Tir			_		—	\dashv
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Sample Condition, Good? Yes	No	On Ice? Ye	es	No		Cooler	Temp		Iransponation Method;							_			Paç	ge	_01		

Rotten Robbie # 64 Water Levels 5/07/07

MW-1	21.11
MW-2	22.45
MW-3	21.00

APPENDIX E LABORATORY REPORTS AND CHAIN OF CUSTODY DOCUMENTS

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Ron Michelson Lab Certificate Number: 54791

RM Associates Issued: 04/09/2007

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666

P.O. Number: Invoice Robinson Oil Corp.

Directly

Project Number: 101-6403 Global ID: T0600152516

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

Certificate of Analysis - Final Report

Note: Sample 54791-035 was re-extracted and re-analyzed for TPH-Extractable.

On April 03, 2007, samples were received under chain of custody for analysis.

Entech analyzes samples "as received" unless otherwise noted. The following results are included:

Matrix Test / Comments

Solid Composite

Electronic Deliverables for Geotracker ICP Metals: EPA 3050B / EPA 6010B TPH-Extractable: EPA 8015B(M) TPH-Purgeable - GC: EPA 8015B VOCs by GC: EPA 8021B

VOCs: EPA 8260B

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346). If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,

C. L. Thom

Laboratory Director

C. L. Thom

Result

Qual

D/P-F

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

RM Associates

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 54791-001	Sample ID: D-1				I	Matrix: Solid	Sample l	Date: 4/3/2007	1:30 PM
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B
Surrogate	Surrogate Recover	ry	Control	Limits (%)				Analyzed by: MaiC	hiTu
4-Bromofluorobenzene	98.1		65 -	135				Reviewed by: Erick	Kum
ICP Metals: EPA 3050B / I	EPA 6010B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	7.5		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404
								Analyzed by: CTra	n
								Reviewed by: HDII	NH

VOCs by GC: EPA 80	21B
--------------------	-----

Parameter	Result (Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND		1.0	0.050	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B
Surrogate	Surrogate Recovery		Control 1	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	98.1		65 -	- 135				Reviewed by: Ericl	Kum

Units

Prep Date

Prep Batch

Analysis Date

QC Batch

TPH-Purgeable - GC: EPA 8015B

Parameter

	_				_	_	•	-
TPH as Gasoline	ND	1.0	0.50	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B
Surrogate	Surrogate Recovery	Control Li	mits (%)				Analyzed by: Ma	aiChiTu
4-Bromofluorobenzene	99.0	65 -	135				Reviewed by: Er	icKum

Detection Limit

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RM Associates

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Analyzed by: MaiChiTu

Reviewed by: EricKum

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Surrogate Recovery

97.5

					~	ampie concett				
Lab #: 54791-002	Sample ID: D-2				I	Matrix: Solid	Sample l	Date: 4/3/2007	1:48 PM	
VOCs by GC: EPA 8021B Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	OC Batch	
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B	
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B	
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B	
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B	
Surrogate	Surrogate Recover	y	Control 1	Limits (%)				Analyzed by: MaiChiTu		
4-Bromofluorobenzene	97.5		65 -	- 135			Reviewed by: EricKur			
ICP Metals: EPA 3050B / F	EPA 6010B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch	
Lead	5.1		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404	
								Analyzed by: CTra	n	
								Reviewed by: HDI	NH	
VOCs by GC: EPA 8021B										
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch	
Methyl-t-butyl Ether	ND		1.0	0.050	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B	

TDII D	CC EDA	001 FD
TPH-Purgeable -	GC: EPA	8015B

4-Bromofluorobenzene

Surrogate

11 II-1 di geanie - GC. El n	00131								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B
Surrogate	Surrogate Recovery	7	Control 1	Limits (%)				Analyzed by: MaiO	ChiTu
4-Bromofluorobenzene	101		65 -	135				Reviewed by: Eric	Kum

Control Limits (%)

- 135

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RM Associates

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

	Sample Concered by. Chem										
Lab #: 54791-003	Sample ID: D-3				I	Matrix: Solid	Sample I	Date: 4/3/2007	1:58 PM		
VOCs by GC: EPA 8021B											
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B		
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B		
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B		
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B		
Surrogate	Surrogate Recover	y	Control	Limits (%)				Analyzed by: MaiC	hiTu		
4-Bromofluorobenzene	101		65	- 135			Reviewed by: EricKum				
ICP Metals: EPA 3050B / I	EPA 6010B										
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
Lead	7.0		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404		
								Analyzed by: CTra	n		
								Reviewed by: HDI	NH		
VOCs by GC: EPA 8021B											
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
Methyl-t-butyl Ether	ND		1.0	0.050	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B		
Surrogate	Surrogate Recover	y	Control	Limits (%)				Analyzed by: MaiC	hiTu		
4-Bromofluorobenzene	101		65 -	- 135				Reviewed by: Ericl	Kum		

TPH-Purgeable -	GC: EPA	8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B
Surrogate	Surrogate Recovery	(Control I	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	101		65 -	135				Reviewed by: Eric	Kum

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RM Associates

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Drop Dotoh

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 54791-004	Sample ID: D-4]	Matrix: Solid	Sample l	Date: 4/3/2007	11:52 AM
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B
Surrogate	Surrogate Recovery	y	Control 1	Limits (%)				Analyzed by: MaiC	hiTu
4-Bromofluorobenzene	98.6		65 -	135				Reviewed by: Ericl	Kum
ICP Metals: EPA 3050B /	EPA 6010B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	6.8		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404
								Analyzed by: CTra	n

	Reviewed by: HDINH

VOC- b	CC.	ED A	0021D
VOCs by	GC:	EPA	8021B

Parameter	Result Q	ual 1	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND		1.0	0.050	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B
Surrogate	Surrogate Recovery	C	Control I	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	98.6		65 -	135				Reviewed by: Ericl	Kum

TPH-Purgeable - GC: EPA 8015B

rarameter	Result	Quai	D/P-F	Detection Limit	Units	rrep Date	гтер Баксп	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	4/4/2007	SGCB070404B
Surrogate	Surrogate Recovery	(Control l	Limits (%)				Analyzed by: Mai	ChiTu
4-Bromofluorobenzene	97.2		65 -	135				Reviewed by: Eric	Kum

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16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 54/91-005	Sample ID: L-1				1	Matrix: Solid	Sample	Date: 4/3/2007	1:59 PM
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B

Benzene	ND	1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Toluene	ND	1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Ethyl Benzene	ND	1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Xylenes, Total	ND	1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B

SurrogateSurrogate RecoveryControl Limits (%)Analyzed by: MaiChiTu4-Bromofluorobenzene10165 - 135Reviewed by: EricKum

ICP Metals: EPA 3050B / EPA 6010B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	5.3		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404

Analyzed by: CTran
Reviewed by: HDINH

Reviewed by: EricKum

VOCs by GC: EPA 8021B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND		1.0	0.050	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B

 Surrogate
 Surrogate Recovery
 Control Limits (%)
 Analyzed by: MaiChiTu

 4-Bromofluorobenzene
 101
 65 - 135
 Reviewed by: EricKum

135

TPH-Purgeable - GC: EPA 8015B

4-Bromofluorobenzene

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	,	Control I	Limits (%)				Analyzed by: Mai	ChiTu

99.5

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RM Associates

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 54791-006	Sample ID: T1-F			I	Matrix: Soli	d Sample l	Date: 4/3/2007	1:05 PM
VOCs by GC: EPA 8021B								
Parameter	Result (Qual D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND	1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Toluene	ND	1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Ethyl Benzene	ND	1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Xylenes, Total	ND	1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	Control	Limits (%)				Analyzed by: MaiC	hiTu
4-Bromofluorobenzene	98.3	65	- 135				Reviewed by: Ericl	Kum
ICP Metals: EPA 3050B / H		03	- 133				Reviewed by. Elici	Cum

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	5.8		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404

Analyzed by: CTran Reviewed by: HDINH

VOCs by GC: EPA 8021B

Parameter	Result Qu	al D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND	1.0	0.050	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	Contro	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	98.3	65	- 135				Reviewed by: Eric	Kum

TPH-Purgeable - GC: EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	,	Control	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	104		65	- 135				Reviewed by: Eric	Kum

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RM Associates

16401 Meadow Vista Drive, Suite 102 Pioneer, CA 95666

Attn: Ron Michelson

Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Drop Dotoh

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 54791-007	Sample ID: T1-I	•			1	Matrix: Solid	Sample l	Date: 4/3/2007	1:07 PM
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recover	y	Control 1	Limits (%)				Analyzed by: MaiC	hiTu
4-Bromofluorobenzene	104		65 -	135				Reviewed by: Erick	Kum
ICP Metals: EPA 3050B / I	EPA 6010B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	7.8		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404
								Analyzed by: CTrai	n

	-	•	
I	Reviewe	d by:	HDINH

VOC- b	CC.	EDA	0021D
VOCs by	GC:	EPA	8021B

Parameter	Result Q	ual I	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND		1.0	0.050	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	Co	ontrol I	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	104		65 -	135				Reviewed by: Ericl	Kum

TPH-Purgeable - GC: EPA 8015B

rarameter	Result	Quai	D/P-F	Detection Limit	Units	rrep Date	гтер Баксп	Alialysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery		Control 1	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	101		65 -	135				Reviewed by: Eric	Kum

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RM Associates

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 54791-008	Sample ID: T2-F	Matrix: Solid	Sample Date: 4/3/2007	1:08 PM

Lab #: 54791-008	Sample ID: T2-I	7			I	Matrix: Solid	Sample l	Date: 4/3/2007	1:08 PM
VOCs by GC: EPA 8021B Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	y	Control	Limits (%)			Analyzed by: MaiChiTu		
4-Bromofluorobenzene	97.5		65 -	- 135				Reviewed by: Ericl	Kum
ICP Metals: EPA 3050B / I	EPA 6010B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	6.7		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404
								Analyzed by: CTra	n
								Reviewed by: HDI	NH

VOCs by GC: EPA 8021B

Parameter	Result Q	ual I	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND		1.0	0.050	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	C	ontrol I	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	97.5		65 -	135				Reviewed by: Ericl	Kum

TPH-Purgeable - GC: EPA 8015B

11 11-1 di geable - Ge. El A	0013D								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	7	Control 1	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	101		65 -	135				Reviewed by: Eric	Kum

Result

Qual

D/P-F

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RM Associates

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 54791-009	Sample ID: T2-	P			I	Matrix: Solid	Sample l	Date: 4/3/2007	1:09 PM
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recover	ry	Control	Limits (%)				Analyzed by: MaiC	hiTu
4-Bromofluorobenzene	98.5		65 -	135				Reviewed by: Ericl	Kum
ICP Metals: EPA 3050B / I	EPA 6010B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	26		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404
								Analyzed by: CTra	n
								Reviewed by: HDI	NH

VOCs by	GC: EPA	8021B
---------	---------	-------

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND		1.0	0.050	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	,	Control 1	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	98.5		65 -	- 135				Reviewed by: Eric	Kum

Units

Prep Date

Prep Batch

Analysis Date

QC Batch

TPH-Purgeable - GC: EPA 8015B

Parameter

TPH as Gasoline	ND	1.0	0.50	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	Control Limits (%)					Analyzed by: Ma	iChiTu
4-Bromofluorobenzene	102	65 -	135				Reviewed by: Fr	icKum

Detection Limit

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RM Associates

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Drop Dotoh

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 54791-010	Sample ID: T3-F	1			I	Matrix: Solid	Sample l	Date: 4/3/2007	1:11 PM
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	7	Control 1	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	89.6		65 -	135				Reviewed by: Ericl	Kum
ICP Metals: EPA 3050B / I	EPA 6010B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	5.6		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404

Analyzed by: CTran
Reviewed by: HDINH

Parameter	Result Q	ual D/	/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND	1	1.0	0.050	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	Cor	ntrol I	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	89.6	6	55 -	135				Reviewed by: Ericl	Kum

TPH-Purgeable - GC: EPA 8015B

rarameter	Result	Quai	D/P-F	Detection Limit	Units	rrep Date	гтер Баксп	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	,	Control 1	Limits (%)				Analyzed by: Mai	ChiTu
4-Bromofluorobenzene	102		65 -	- 135				Reviewed by: Eric	Kum

Result

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RM Associates

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007

Certificate of Analysis - Data Report

	•				2	ample Collecte	ed by: Client		
Lab #: 54791-011	Sample ID: T3-I	•			ľ	Matrix: Solid	Sample I	Date: 4/3/2007	1:12 PM
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404E
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404E
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404E
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404E
Surrogate	Surrogate Recovery	y	Control	Limits (%)				Analyzed by: MaiC	hiTu
4-Bromofluorobenzene	94.7		65 -	- 135				Reviewed by: Ericl	Kum
ICP Metals: EPA 3050B / E	CPA 6010B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	12		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404
								Analyzed by: CTra	n
								Reviewed by: HDI	NH
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND		1.0	0.050	mg/Kg	N/A	N/A	4/5/2007	SGCB0704041
Surrogate	Surrogate Recovery	y	Control	Limits (%)				Analyzed by: MaiC	hiTu
4-Bromofluorobenzene	94.7		65 -	- 135				Reviewed by: Ericl	7

Parameter

TPH as Gasoline	ND	1.0	0.50	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	Control Lin	mits (%)				Analyzed by: Ma	uiChiTu
1-Bromofluorobenzene	101	65 -	135				Davianuad by: Er	ioVum

Detection Limit

Units

Prep Date

Prep Batch

Analysis Date

QC Batch

D/P-F

Qual

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Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

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Lab #: 54791-012	Sample ID: T4-	F			I	Matrix: Solid	l Sample I	Date: 4/3/2007	1:14 PM
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404I
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404I
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404I
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB0704041
Surrogate	Surrogate Recover	·y	Control	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	99.8		65 -	135				Reviewed by: Eric	Kum
ICP Metals: EPA 3050B / I	EPA 6010B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	6.7		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404
								Analyzed by: CTra	n
								Reviewed by: HDI	NH
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND		1.0	0.050	mg/Kg	N/A	N/A	4/5/2007	SGCB0704041
Surrogate	Surrogate Recover	·y	Control	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	99.8		65	135				Reviewed by: Eric	Kum
TPH-Purgeable - GC: EPA	A 8015B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	4/5/2007	SGCB0704041
Surrogate	Surrogate Recover	·y	Control	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	99.3		65	135				Reviewed by: Eric	Kum

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RM Associates

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 54791-013	Sample ID: T4-P	•			I	Matrix: Solid	Sample l	Date: 4/3/2007	1:15 PM
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	7	Control 1	Limits (%)				Analyzed by: MaiC	hiTu
4-Bromofluorobenzene	102		65 -	- 135				Reviewed by: Erick	Kum
ICP Metals: EPA 3050B / I	EPA 6010B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	10		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404
								Analyzed by: CTra	n
								Reviewed by: HDII	NH
VOCs by GC: EPA 8021B									

		P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
ND	1	.0	0.050	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
rogate Recovery	Con	trol I	Limits (%)				Analyzed by: MaiC	ChiTu
102	6.5	5 -	135				Reviewed by: Ericl	Kum
	rogate Recovery	rogate Recovery Con	rogate Recovery Control I	rogate Recovery Control Limits (%) Analyzed by: MaiC				

TPH-Purgeable - GC: EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	7	Control 1	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	100		65 -	135				Reviewed by: Eric	Kum

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Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 54791-014	Sample ID: T5-F	ı			1	Matrix: Solid	Sample I	Date: 4/3/2007	1:18 PM
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery		Control 1	Limits (%)				Analyzed by: MaiC	hiTu
4-Bromofluorobenzene	96.3		65 -	135				Reviewed by: Ericl	Kum
ICP Metals: EPA 3050B / I	EPA 6010B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	7.3		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch	
Lead	7.3		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404	

Analyzed by: CTran Reviewed by: HDINH

VOCs by GC: EPA 8021B

Parameter	Result Qu	al D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND	1.0	0.050	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	Control	Limits (%)				Analyzed by: Mai	ChiTu
4-Bromofluorobenzene	96.3	65	- 135				Reviewed by: Eric	Kum

TPH-Purgeable - GC: EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	7	Control l	Limits (%)				Analyzed by: Mai	ChiTu
4-Bromofluorobenzene	100		65 -	135				Reviewed by: Eric	Kum

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Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 54791-015	Sample ID: T5-P	•			I	Matrix: Solid	Sample l	Date: 4/3/2007	1:16 PM
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery	Surrogate Recovery Control Limits (%)						Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	97.6		65 -	- 135			Reviewed by: EricKum		
ICP Metals: EPA 3050B / I	EPA 6010B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	6.7		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404
								Analyzed by: CTra	n
								Reviewed by: HDI	NH
VOCs by GC: EPA 8021B									
•									

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND		1.0	0.050	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery		Control l	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	97.6		65 -	135				Reviewed by: Eric	Kum
Bromondoroccizene	77.0		03	133				Reviewed by. Elle	ixum

TPH-Purgeable - GC: EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	4/5/2007	SGCB070404B
Surrogate	Surrogate Recovery		Control l	Limits (%)				Analyzed by: MaiC	ChiTu
4-Bromofluorobenzene	97.2		65 -	135				Reviewed by: Ericl	Kum

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Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007

Certificate of Analysis - Data Report Sample Collected by: Client

	Sample Collected by: Client										
Lab #: 54791-020	Sample ID: SP-1-	(A-L	O)Comp	osite	I	Matrix: Sol	id Sample D	Pate: 4/3/2007	10:30 AM		
VOCs by GC: EPA 8021B Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
Benzene	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/5/2007	SGCA070404.		
Toluene	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/5/2007	SGCA070404.		
Ethyl Benzene	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/5/2007	SGCA070404		
Xylenes, Total	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/5/2007	SGCA070404		
Surrogate	Surrogate Recovery		Control	Limits (%)				Analyzed by: Erick	Kum		
4-Bromofluorobenzene	106		65 -	- 135				Reviewed by: Mai	ChiTu		
ICP Metals: EPA 3050B / E	EPA 6010B										
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
Lead	6.9		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404		
								Analyzed by: CTra	n		
								Reviewed by: HDI	NH		
VOCs by GC: EPA 8021B	.				·				000.1		
Parameter		Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
Methyl-t-butyl Ether	ND		10	0.50	mg/Kg	4/4/2007	SGCA070404A	4/5/2007	SGCA070404		
Surrogate	Surrogate Recovery		Control	Limits (%)			Analyzed by: EricKum				
4-Bromofluorobenzene	106		65 -	- 135			Reviewed by: MaiChiTu				
TPH-Purgeable - GC: EPA	8015B										
Parameter		Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
TPH as Gasoline	ND		10	5.0	mg/Kg	4/4/2007	SGCA070404A	4/5/2007	SGCA070404.		
Surrogate	Surrogate Recovery		Control	Limits (%)				Analyzed by: Erick	Kum		
4-Bromofluorobenzene	95.2		65	- 135				Reviewed by: Maio	ChiTu		
TPH-Extractable: EPA 801	15B(M)										
Parameter	` '	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
ГРН as Diesel	ND		1.0	2.5	mg/Kg	4/4/2007	SD070404A	4/5/2007	SD070404A		
23 mg/Kg Motor Oil.	No Diesel pattern presen	ıt.									
Surrogate	Surrogate Recovery		Control	Limits (%)				Analyzed by: JHsia	ing		

150

n-Hexacosane

55.4

Reviewed by: ECunniffe

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16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 54791-025	Sample ID: SP-	2-(A-I)Comp	osite	I	Matrix: Sol	id Sample D	ate: 4/3/2007	9:45 AM
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/5/2007	SGCA070404A
Toluene	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/5/2007	SGCA070404A
Ethyl Benzene	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/5/2007	SGCA070404A
Xylenes, Total	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/5/2007	SGCA070404A
Surrogate	Surrogate Recove	ry	Control	Limits (%)	Analyzed by: EricKum				Kum
4-Bromofluorobenzene	116		65	- 135				Reviewed by: Mai	ChiTu
ICP Metals: EPA 3050B / I	EPA 6010B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	7.9		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404
								Analyzed by: CTra	n
								Reviewed by: HDI	

VOCs by	GC: EPA	8021B
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Parameter	Result Qu	ial D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
Methyl-t-butyl Ether	ND	10	0.50	mg/Kg	4/4/2007	SGCA070404A	4/5/2007	SGCA070404A		
Surrogate	Surrogate Recovery	Contro	l Limits (%)			Analyzed by: EricKum				
4-Bromofluorobenzene	116	65	- 135				Reviewed by: Mai	ChiTu		
TPH-Purgeable - GC: EPA 8015B										

Parameter	Result Q	ual D/P	F Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND	10	5.0	mg/Kg	4/4/2007	SGCA070404A	4/5/2007	SGCA070404A
Surrogate	Surrogate Recovery	Cont	rol Limits (%)				Analyzed by: Ericl	Kum
4-Bromofluorobenzene	101	65	- 135				Reviewed by: Mai	ChiTu

TPH-Extractable: EPA	A 8015B(M)								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		0.99	2.5	mg/Kg	4/4/2007	SD070404A	4/5/2007	SD070404A
30 mg/Kg Motor	Oil. No Diesel pattern prese	ent.							
Surrogate	Surrogate Recovery	y	Control	Limits (%)				Analyzed by: JHsia	ng
n-Hexacosane	66.1		50 -	- 150				Reviewed by: ECur	miffe

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Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 54791-030	Sample ID: SP-	3-(A-I)Comp	osite	Matrix: Solid Sample Date: 4/3/2007				10:20 AM
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/5/2007	SGCA070404A
Toluene	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/5/2007	SGCA070404A
Ethyl Benzene	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/5/2007	SGCA070404A
Xylenes, Total	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/5/2007	SGCA070404A
Surrogate	Surrogate Recover	·y	Control 1	Limits (%)			Analyzed by: EricKum		
4-Bromofluorobenzene	113		65 -	- 135				Reviewed by: Maio	ChiTu
ICP Metals: EPA 3050B / I	EPA 6010B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	7.0		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404
								Analyzed by: CTra	n

Reviewed by: HDINH

SGCA070404A
EricKum
MaiChiTu

TPH-Purgeable - GC: EPA 8015B

Parameter	Result Q	ual D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch	
TPH as Gasoline	ND	10	5.0	mg/Kg	4/4/2007	SGCA070404A	4/5/2007	SGCA070404A	
Surrogate	Surrogate Recovery	Contro	l Limits (%)				Analyzed by: EricKum		
4-Bromofluorobenzene	95.9	65	- 135				Reviewed by: Mai	ChiTu	

TPH-Extractable: EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch	
TPH as Diesel	ND		1.0	2.5	mg/Kg	4/4/2007	SD070404A	4/5/2007	SD070404A	
25 mg/Kg Motor	Oil. No Diesel pattern prese	ent.								
Surrogate	Surrogate Recover	y	Control	Limits (%)				Analyzed by: JHsiang		
n-Hexacosane	58.8		50 -	- 150				Reviewed by: ECur	miffe.	

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Certificate of Analysis - Data Report

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007

Sample Collected by: Client

Sumple Confected by. Chefic

Lab #: 54791-035 Sample ID: SP-4-(A-D)Composite						Matrix: Solid Sample Date: 4/3/2007					
VOCs by GC: EPA 8021B											
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
Benzene	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/6/2007	SGCA070404		
Toluene	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/6/2007	SGCA070404		
Ethyl Benzene	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/6/2007	SGCA070404		
Xylenes, Total	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/6/2007	SGCA070404		
Surrogate	Surrogate Recovery		Control	Limits (%)				Analyzed by: Ericl	Kum		
4-Bromofluorobenzene	116		65	- 135				Reviewed by: MaiChiTu			
ICP Metals: EPA 3050B / I	EPA 6010B										
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
Lead	10		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404		
								Analyzed by: CTra	n		
								Reviewed by: HDI	NH		
VOCs by GC: EPA 8021B											
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
Methyl-t-butyl Ether	ND		10	0.50	mg/Kg	4/4/2007	SGCA070404A	4/6/2007	SGCA070404.		
Surrogate	Surrogate Recovery		Control	Limits (%)				Analyzed by: Ericl	Kum		
4-Bromofluorobenzene	116		65	- 135				Reviewed by: Mai	ChiTu		
TPH-Purgeable - GC: EPA	A 8015B										
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
TPH as Gasoline	ND		10	5.0	mg/Kg	4/4/2007	SGCA070404A	4/6/2007	SGCA070404.		
Surrogate	Surrogate Recovery		Control	Limits (%)				Analyzed by: Ericl	Kum		
4-Bromofluorobenzene	97.5		65	- 135				Reviewed by: Mai	ChiTu		
TPH-Extractable: EPA 801	15B(M)										
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
	ND		1.0	2.5	mg/Kg	4/6/2007	SD070406B	4/6/2007	SD070406B		
TPH as Diesel	TVD		1.0	2.3							
TPH as Diesel Surrogate	Surrogate Recovery			Limits (%)	6/116			Analyzed by: JHsia			

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RM Associates

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Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 54791-040	Sample ID: SP-	5-(A-D)Compo	osite	I	Matrix: Sol	9:55 AM		
VOCs by GC: EPA 8021B Parameter	Result	Oual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	OC Batch
Benzene	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/6/2007	SGCA070404A
Toluene	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/6/2007	SGCA070404A
Ethyl Benzene	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/6/2007	SGCA070404A
Xylenes, Total	ND		10	0.10	mg/Kg	4/4/2007	SGCA070404A	4/6/2007	SGCA070404A

SurrogateSurrogate RecoveryControl Limits (%)Analyzed by: EricKum4-Bromofluorobenzene11265 - 135Reviewed by: MaiChiTu

ICP Metals: EPA 3050B / EPA 6010B

Parameter	Result	Qual I	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	6.6		1.0	1.0	mg/Kg	4/4/2007	SM070404	4/4/2007	SM070404

Analyzed by: CTran
Reviewed by: HDINH

VOCs by GC: EPA 8021B

Parameter	Result Qu	al D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND	10	0.50	mg/Kg	4/4/2007	SGCA070404A	4/6/2007	SGCA070404A
Surrogate	Surrogate Recovery	Control	Limits (%)				Analyzed by: Erick	Kum
4-Bromofluorobenzene	112	65	- 135				Reviewed by: Maio	ChiTu

TPH-Purgeable - GC: EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		10	5.0	mg/Kg	4/4/2007	SGCA070404A	4/6/2007	SGCA070404A
Surrogate	Surrogate Recovery		Control I	Limits (%)				Analyzed by: Ericl	Kum
4-Bromofluorobenzene	95.5		65 -	135				Reviewed by: Mai	ChiTu

TPH-Extractable: EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
TPH as Diesel	ND		1.0	2.5	mg/Kg	4/4/2007	SD070404A	4/5/2007	SD070404A		
14 mg/Kg Motor Oil. No Diesel pattern present.											

SurrogateSurrogate RecoveryControl Limits (%)Analyzed by: JHsiangn-Hexacosane54.850 - 150Reviewed by: ECunniffe

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RM Associates 16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6403

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, CA

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 04/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 54791-041	Sample ID: SP-6				Matrix: Solid Sample Date: 4/3/2007			
VOCs: EPA 8260B Parameter	Result Qu	al D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1-Trichloroethane	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
1,1,2,2-Tetrachloroethane	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
1,1,2-Trichloroethane	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
1,1-Dichloroethane	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
1,1-Dichloroethene	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
1,2-Dichlorobenzene	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
1,2-Dichloroethane	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
1,2-Dichloropropane	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
1,3-Dichlorobenzene	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
1,4-Dichlorobenzene	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
2-Chloroethyl-vinyl Ether	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
Bromodichloromethane	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
Bromoform	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
Bromomethane	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
Carbon Tetrachloride	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
Chlorobenzene	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
Chloroethane	ND	1.0	5.0	$\mu g \! / \! Kg$	N/A	N/A	4/4/2007	SM6G070404G
Chloroform	ND	1.0	5.0	$\mu g \! / \! Kg$	N/A	N/A	4/4/2007	SM6G070404G
Chloromethane	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
cis-1,2-Dichloroethene	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
cis-1,3-Dichloropropene	ND	1.0	5.0	$\mu g \! / \! Kg$	N/A	N/A	4/4/2007	SM6G070404G
Dibromochloromethane	ND	1.0	5.0	$\mu g \! / \! Kg$	N/A	N/A	4/4/2007	SM6G070404G
Dichlorodifluoromethane	ND	1.0	5.0	$\mu g \! / \! Kg$	N/A	N/A	4/4/2007	SM6G070404G
Methylene Chloride	ND	1.0	50	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
Tetrachloroethene	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
trans-1,2-Dichloroethene	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
trans-1,3-Dichloropropene	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
Trichloroethene	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	4/4/2007	SM6G070404G
Trichlorofluoromethane	ND	1.0	5.0	μg/Kg	N/A	N/A	4/4/2007	SM6G070404G
Vinyl Chloride	ND	1.0	5.0	μg/Kg	N/A	N/A	4/4/2007	SM6G070404G

SurrogateSurrogate RecoveryControl Limits (%)4-Bromofluorobenzene95.960-130Dibromofluoromethane12460-130Toluene-d899.660-130

Analyzed by: Mfelix Reviewed by: MaiChiTu

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Method Blank - Solid - TPH-Purgeable - GC: EPA 8015B

QC/Prep Batch ID: SGCA070404A Validated by: MaiChiTu - 04/06/07

QC/Prep Date: 4/4/2007

ParameterResultDFPQLRUnitsTPH as GasolineND105.0mg/Kg

Surrogate for Blank % **Recovery Control Limits**4-Bromofluorobenzene **95.8** 65 - 135

Method Blank - Solid - VOCs by GC: EPA 8021B

QC/Prep Batch ID: SGCA070404A Validated by: MaiChiTu - 04/06/07

QC/Prep Date: 4/4/2007

DF **PQLR Parameter** Result Units ND 10 0.10 mg/Kg Benzene Ethyl Benzene ND 10 0.10 mg/Kg ND Toluene 10 0.10 mg/Kg Xylenes, Total ND 10 0.10 mg/Kg

Surrogate for Blank % Recovery Control Limits
4-Bromofluorobenzene 111 65 - 135

Method Blank - Solid - VOCs by GC: EPA 8021B

QC/Prep Batch ID: SGCA070404A Validated by: MaiChiTu - 04/06/07

QC/Prep Date: 4/4/2007

 Parameter
 Result
 DF
 PQLR
 Units

 Methyl-t-butyl Ether
 ND
 10
 0.50
 mg/Kg

Surrogate for Blank % Recovery Control Limits 4-Bromofluorobenzene 111 65 - 135

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LCS / LCSD - Solid - VOCs by GC: EPA 8021B

QC Batch ID: SGCA070404A Reviewed by: MaiChiTu - 04/06/07

QC/Prep Date: 4/4/2007

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L	L	3

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	<0.010	0.40	0.410	mg/Kg	102	54 - 146
Ethyl Benzene	<0.010	0.40	0.380	mg/Kg	95.0	67 - 134
Toluene	<0.010	0.40	0.390	mg/Kg	97.5	45 - 157
Xylenes, total	<0.010	1.2	1.08	mg/Kg	90.0	79 - 126

Surrogate% RecoveryControl Limits4-Bromofluorobenzene111.065 - 135

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	< 0.010	0.40	0.400	mg/Kg	100	2.5	30.0	54 - 146
Ethyl Benzene	< 0.010	0.40	0.420	mg/Kg	105	10	30.0	67 - 134
Toluene	< 0.010	0.40	0.400	mg/Kg	100	2.5	30.0	45 - 157
Xylenes, total	<0.010	1.2	1.15	mg/Kg	95.8	6.3	30.0	79 - 126

Surrogate% RecoveryControl Limits4-Bromofluorobenzene107.065 - 135

LCS / LCSD - Solid - VOCs by GC: EPA 8021B

QC Batch ID: SGCA070404A Reviewed by: MaiChiTu - 04/06/07

QC/Prep Date: 4/4/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Methyl-t-butyl Ether	< 0.050	0.40	0.450	mg/Kg	112	65 - 135

Surrogate % Recovery Control Limits 4-Bromofluorobenzene 111.0 65 - 135

LCSD

ParameterMethod BlankSpike AmtSpikeResultUnits% RecoveryRPDRPD LimitsRecovery LimitsMethyl-t-butyl Ether<0.050</td>0.400.440mg/Kg1102.230.065 - 135

Surrogate% RecoveryControl Limits4-Bromofluorobenzene107.065 - 135

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Method Blank - Solid - TPH-Purgeable - GC: EPA 8015B

QC Batch ID: SGCB070404B Validated by: EricKum - 04/05/07

QC Batch Analysis Date: 4/4/2007

ParameterResultDFPQLRUnitsTPH as GasolineND10.50mg/Kg

Surrogate for Blank % Recovery Control Limits
4-Bromofluorobenzene 99.2 65 - 135

Method Blank - Solid - VOCs by GC: EPA 8021B

QC Batch ID: SGCB070404B Validated by: EricKum - 04/05/07

QC Batch Analysis Date: 4/4/2007

DF **Parameter** Result **PQLR** Units ND 1 0.010 mg/Kg Benzene Ethyl Benzene ND 0.010 mg/Kg Toluene ND 0.010 mg/Kg 1 Xylenes, Total ND 0.010 mg/Kg

Surrogate for Blank % Recovery Control Limits
4-Bromofluorobenzene 96.9 65 - 135

Method Blank - Solid - VOCs by GC: EPA 8021B

QC Batch ID: SGCB070404B Validated by: EricKum - 04/05/07

QC Batch Analysis Date: 4/4/2007

 Parameter
 Result
 DF
 PQLR
 Units

 Methyl-t-butyl Ether
 ND
 1
 0.050
 mg/Kg

Surrogate for Blank % Recovery Control Limits 4-Bromofluorobenzene 96.9 65 - 135

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LCS / LCSD - Solid - TPH-Purgeable - GC: EPA 8015B

QC Batch ID: SGCB070404B Reviewed by: EricKum - 04/05/07

QC Batch ID Analysis Date: 4/4/2007

LCS

ParameterMethod BlankSpike AmtSpikeResultUnits% RecoveryRecovery LimitsTPH as Gasoline<0.50</td>2.52.57mg/Kg10365 - 135

Surrogate% RecoveryControl Limits4-Bromofluorobenzene121.065 - 135

LCSD

ParameterMethod BlankSpike AmtSpikeResultUnits% RecoveryRPDRPD LimitsRecovery LimitsTPH as Gasoline<0.50</td>2.52.51mg/Kg1002.630.065 - 135

Surrogate % Recovery Control Limits 4-Bromofluorobenzene 115.0 65 - 135

LCS / LCSD - Solid - VOCs by GC: EPA 8021B

QC Batch ID: SGCB070404B Reviewed by: EricKum - 04/05/07

QC Batch ID Analysis Date: 4/4/2007

LCS

Parameter Method Blank Spike Amt SpikeResult Units % Recovery **Recovery Limits** Benzene < 0.010 0.080 0.0720 mg/Kg 90.0 54 - 146 <0.010 0.0730 67 - 134 0.080 mg/Kg 91.2 Ethyl Benzene < 0.010 0.080 0.0700 mg/Kg 87.5 45 - 157 Toluene < 0.010 0.207 86.2 79 - 126 Xylenes, total 0.24 mg/Kg

Surrogate% RecoveryControl Limits4-Bromofluorobenzene98.665 - 135

LCSD

Parameter Method Blank Spike Amt SpikeResult Units % Recovery **RPD RPD Limits Recovery Limits** Benzene < 0.010 0.080 0.0700 mg/Kg 87.5 2.8 30.0 54 - 146 <0.010 0.080 0.0700 mg/Kg 87.5 4.2 30.0 67 - 134 Ethyl Benzene 45 - 157 < 0.010 0.080 0.0690 30.0 Toluene mg/Kg 86.2 1.4 <0.010 79 - 126 Xylenes, total 0.24 0.206 mg/Kg 85.8 0.48 30.0

Surrogate% RecoveryControl Limits4-Bromofluorobenzene95.965 - 135

LCS / LCSD - Solid - VOCs by GC: EPA 8021B

QC Batch ID: SGCB070404B Reviewed by: EricKum - 04/05/07

QC Batch ID Analysis Date: 4/4/2007

LCS

ParameterMethod BlankSpike AmtSpikeResultUnits% RecoveryRecovery LimitsMethyl-t-butyl Ether<0.050</td>0.0800.0680mg/Kg85.065 - 135

Surrogate % **Recovery** Control Limits 4-Bromofluorobenzene 98.6 65 - 135

LCSD

Parameter Method Blank Spike Amt SpikeResult Units % Recovery RPD RPD Limits Recovery Limits

Methyl-t-butyl Ether <0.050 0.080 0.0700 mg/Kg 87.5 2.9 30.0 65 - 135

Surrogate % Recovery Control Limits
4-Bromofluorobenzene 95.9 65 - 135

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Method Blank - Solid - VOCs: EPA 8260B

QC Batch ID: SM6G070404G Validated by: MaiChiTu - 04/05/07

QC Batch Analysis Date: 4/4/2007

Parameter	Result	DF	PQLR	Units
1,1,1-Trichloroethane	ND	1	5.0	μg/Kg
1,1,2,2-Tetrachloroethane	ND	1	5.0	μg/Kg
1,1,2-Trichloroethane	ND	1	5.0	μg/Kg
1,1-Dichloroethane	ND	1	5.0	μg/Kg
1,1-Dichloroethene	ND	1	5.0	μg/Kg
1,2-Dichlorobenzene	ND	1	5.0	μg/Kg
1,2-Dichloroethane	ND	1	5.0	μg/Kg
1,2-Dichloropropane	ND	1	5.0	μg/Kg
1,3-Dichlorobenzene	ND	1	5.0	μg/Kg
1,4-Dichlorobenzene	ND	1	5.0	μg/Kg
2-Chloroethyl-vinyl Ether	ND	1	5.0	μg/Kg
Bromodichloromethane	ND	1	5.0	μg/Kg
Bromoform	ND	1	5.0	μg/Kg
Bromomethane	ND	1	5.0	μg/Kg
Carbon Tetrachloride	ND	1	5.0	μg/Kg
Chlorobenzene	ND	1	5.0	μg/Kg
Chloroethane	ND	1	5.0	μg/Kg
Chloroform	ND	1	5.0	μg/Kg
Chloromethane	ND	1	5.0	μg/Kg
cis-1,2-Dichloroethene	ND	1	5.0	μg/Kg
cis-1,3-Dichloropropene	ND	1	5.0	μg/Kg
Dibromochloromethane	ND	1	5.0	μg/Kg
Dichlorodifluoromethane	ND	1	5.0	μg/Kg
Methylene Chloride	ND	1	50	μg/Kg
Tetrachloroethene	ND	1	5.0	μg/Kg
trans-1,2-Dichloroethene	ND	1	5.0	μg/Kg
trans-1,3-Dichloropropene	ND	1	5.0	μg/Kg
Trichloroethene	ND	1	5.0	μg/Kg
Trichlorofluoromethane	ND	1	5.0	μg/Kg
Vinyl Chloride	ND	1	5.0	μg/Kg
Surrogate for Blank % Recovery Control Lim	ite			

Surrogate for Blank	% Recovery	Cont	Limits	
4-Bromofluorobenzene	84.2	60	-	130
Dibromofluoromethane	83.9	60	-	130
Toluene-d8	107	60	-	130

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LCS / LCSD - Solid - VOCs: EPA 8260B

QC Batch ID: SM6G070404G Reviewed by: MaiChiTu - 04/05/07

QC Batch ID Analysis Date: 4/4/2007

LCS

LOO						
Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	36.1	μg/kg	90.2	70 - 135
Benzene	<5.0	40	36.2	μg/Kg	90.5	70 - 135
Chlorobenzene	<5.0	40	36.7	μg/Kg	91.8	70 - 135
Methyl-t-butyl Ether	<5.0	40	28.6	μg/Kg	71.5	70 - 135
Toluene	<5.0	40	35.0	μg/Kg	87.5	70 - 135
Trichloroethene	<5.0	40	34.8	μg/Kg	87.0	70 - 135
Surrogate	% Recovery Co	ontrol Limits				
4-Bromofluorobenzene	104.0	60 - 130				
Dibromofluoromethane	111.0	60 - 130				
Toluene-d8	105.0	50 - 130				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	42.4	μg/Kg	106	16	30.0	70 - 135
Benzene	<5.0	40	42.1	μg/Kg	105	15	30.0	70 - 135
Chlorobenzene	<5.0	40	42.4	μg/Kg	106	14	30.0	70 - 135
Methyl-t-butyl Ether	<5.0	40	33.2	μg/Kg	83.0	15	30.0	70 - 135
Toluene	<5.0	40	40.1	μg/Kg	100	14	30.0	70 - 135
Trichloroethene	<5.0	40	41.5	μg/Kg	104	18	30.0	70 - 135

Surrogate	% Recovery	Cont	rol	Limits
4-Bromofluorobenzene	104.0	60	-	130
Dibromofluoromethane	113.0	60	-	130
Toluene-d8	104.0	60	_	130

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Method Blank - Solid - TPH-Extractable: EPA 8015B(M)

QC/Prep Batch ID: SD070404A Validated by: ECunniffe - 04/05/07

QC/Prep Date: 4/4/2007

ParameterResultDFPQLRUnitsTPH as DieselND12.5mg/Kg

Surrogate for Blank% RecoveryControl Limitsn-Hexacosane65.050 - 150

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Solid - TPH-Extractable: EPA 8015B(M)

QC Batch ID: SD070404A Reviewed by: ECunniffe - 04/05/07

QC/Prep Date: 4/4/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<2.5	50	29.4	mg/Kg	58.8	45 - 140
TPH as Motor Oil	<10	50	30.5	mg/Kg	61.0	45 - 140

Surrogate% RecoveryControl Limitsn-Hexacosane65.350 - 150

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits	
TPH as Diesel	<2.5	50	29.4	mg/Kg	58.8	0.0	30.0	45 - 140	
TPH as Motor Oil	<10	50	30.8	mg/Kg	61.6	0.98	30.0	45 - 140	

Surrogate % Recovery Control Limits n-Hexacosane 65.2 50 - 150

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - TPH-Extractable: EPA 8015B(M)

QC/Prep Batch ID: SD070406B Validated by: ECunniffe - 04/09/07

QC/Prep Date: 4/6/2007

ParameterResultDFPQLRUnitsTPH as DieselND12.5mg/Kg

Surrogate for Blank% RecoveryControl Limitsn-Hexacosane10350- 150

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Solid - TPH-Extractable: EPA 8015B(M)

QC Batch ID: SD070406B Reviewed by: ECunniffe - 04/09/07

QC/Prep Date: 4/6/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery			Recovery Limits	
TPH as Diesel	<2.5	50	41.6	mg/Kg	83.2			45 - 140	
TPH as Motor Oil	<10	50	46.8	mg/Kg	93.6			45 - 140	
Surrogate n-Hexacosane		ntrol Limits 0 - 150							
LCSD Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits	
TPH as Diesel	<2.5	50	43.7	mg/Kg	87.4	4.9	30.0	45 - 140	
TPH as Motor Oil	<10	50	49.1	mg/Kg	98.2	4.8	30.0	45 - 140	

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Solid - ICP Metals: EPA 3050B / EPA 6010B

Reviewed by: HDINH - 04/05/07 QC Batch ID: SM070404

QC/Prep Date: 4/4/2007

LCS

Method Blank Spike Amt SpikeResult Units % Recovery **Recovery Limits Parameter** 75 - 125 Lead

<1.0 50 48.6 97.3 mg/Kg

LCSD

Method Blank Spike Amt SpikeResult Units % Recovery RPD RPD Limits Recovery Limits **Parameter** Lead <1.0 50 47.5 mg/Kg 95.0 2.4 25.0 75 - 125

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

MS / MSD - Solid - ICP Metals: EPA 3050B / EPA 6010B

QC/Prep Batch ID: SM070404 Reviewed by: HDINH - 04/05/07

QC/Prep Date: 4/4/2007

MS Sample Spiked: 54791-001

Sample Spike Spike **Analysis** Recovery Result Amount Result Date Limits **Parameter** Units % Recovery Lead 7.48 50 51.2 mg/Kg 4/4/2007 87.5 75 - 125

MSD Sample Spiked: 54791-001

Sample Spike **Spike Analysis** Recovery Result Limits Amount Date Result RPD **RPD Limits Parameter** Units % Recovery 75 - 125 Lead 7.48 50 50.9 mg/Kg 4/4/2007 86.8 0.77 25.0

CHAIN OF CUSTODY FORM RMAssociates Pioneer, CA 95666 Main Line: (209) 295-6218 2-8 hr Turnaround Facsimile: (209) 295-3974 other Client: Robinson Oil Corporation Time: Rotten Robbie No. 64 Proiect Name: (working days) Task: 101-6403 Project Number: T0600152516 Global I.D.: 4186 East Avenue, Livermore, California Project Address: Analyses Requested Contact: Simon Hague **Entech Analytical Labs** Laboratory: (408) 588-0200 Lab Address/Phone: RMA Project Manager: Ronald W. Michelson Fmail Rmichelson@volcano.net (209) 295-7903 RMA PM Ph. No.: Phone: (209) 295-6218 TPHg/BTEX/MTBE (8015M/8021) Rem Michelson TPHd (8015M) RMA Sampler: VOCs (8010) Jim Panele Total Lead **Container Information** Sample Information Field Pt. I.D.-Matrix Check if same as No. Type Sample I.D. Time RMA Sample ID Date Soil Water Vарог X 00 Χ 4-3-7 1:50 17-1 1002 X Х 1:48 D-2 X DD3 Χ 1:48 OOY X Χ 1152 X **boo**(1:59 Х -Χ Χ X Χ X X Χ Χ Χ Additional Comments: Invoice to Robinson Oil Corporation, 4250 Williams Road, San Jose, CA 95129 Attn. Tom Robinson, (408) 257-2222 Report to RMA **EDF** Format Date/Time: Received By: Date/Time: 4/3/67 1500 Relinguished By: Date/Time: Received By: Date/Time: Relinauished By: Date/Time: Received By: Date/Time: Relinguished By: Transportation Method: Cooler Temp _____ On Ice? Yes ___ No ___ Sample Condition, Good? Yes ____ No ___

16401 Meadow Vista Drive. Suite 102

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Laboratory:	Entech Ana						n Hague		1						Ar	alvs	ses l	Rea	uest	ed			
Lab Address/Phone:	(408) 588-0			-					•			П				1			Π	ŤŢ	T	T	
RMA Project Manager:			on						•				l	I		ı					l		
RMA PM Ph. No.:	(209) 295-7			·	Email:	Rmic	helson@vold	cano.ne	t				l	I							1		l
RMA Sampler:	Ron Michel	son		- F	hone:					Щ			I	1									
	Jim PAV	1615							3900		5		ı	6		I			l 1		- 1		
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Sample Condition. Good? Yes	Good? Yes No On Ice? Yes No Cooler Temp Transportation Method: Page of																	Page		of _	_		

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Ron Michelson Lab Certificate Number: 55258

RM Associates Issued: 05/09/2007

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666

P.O. Number: Invoice Robinson Oil Co. Directly

Global ID: T0600152516

Project Number: 101-6404

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, California

Certificate of Analysis - Final Report

On May 03, 2007, samples were received under chain of custody for analysis. Entech analyzes samples "as received" unless otherwise noted. The following results are included:

Matrix Test / Comments

Solid Electronic Deliverables for Geotracker

TPH-Extractable: EPA 3545A / EPA 8015B(M)

TPH-Purgeable - GC: EPA 8015B VOCs by GC: EPA 8021B

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346). If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,

C. L. Thom

Laboratory Director

C. L. Thom

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

RM Associates

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6404

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, California

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Co. Directly

Certificate of Analys	sis - Data Report
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					2	ample Collecte	a by: Chent		
Lab #: 55258-001	Sample ID: SS-3	-10			I	Matrix: Solid	Sample I	Date: 5/2/2007	8:30 AM
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070507
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070507
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070507
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070507
Surrogate	Surrogate Recovery	7	Control 1	Limits (%)				Analyzed by: EricKu	ım
4-Bromofluorobenzene	97.6		65 -	135				Reviewed by: MaiC	hiTu
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND		1.0	0.050	mg/Kg	N/A	N/A	5/8/2007	SGC070507
Surrogate	Surrogate Recovery	7	Control 1	Limits (%)				Analyzed by: EricKu	ım
4-Bromofluorobenzene	97.6		65 -	135				Reviewed by: MaiC	hiTu
TPH-Purgeable - GC: EPA	A 8015B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	5/8/2007	SGC070507
Surrogate	Surrogate Recovery	7	Control 1	Limits (%)				Analyzed by: EricKu	ım
4-Bromofluorobenzene	85.5		65 -	135				Reviewed by: MaiC	hiTu
TPH-Extractable: EPA 35	45A / EPA 8015B(M)								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	5.0	mg/Kg	5/3/2007	SD070503B	5/7/2007	SD070503B
39 mg/Kg Motor Oil	(C16-C40).								
Surrogate	Surrogate Recovery Control Limits (%)							Analyzed by: NBoca	ılan
n-Hexacosane	116		50 -	150					

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

RM Associates

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6404

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, California

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Co. Directly

Certificate of Analysis -	Data	Report
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				b	ampie Concett	a by. Chem	ļ.	
Lab #: 55258-002	Sample ID: SS-3-1	.5		I	Matrix: Solid	Sample 1	Date: 5/2/2007	8:50 AM
VOCs by GC: EPA 8021B								
Parameter	Result Q	Qual D/P-1	F Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND	1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070507
Toluene	ND	1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070507
Ethyl Benzene	ND	1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070507
Xylenes, Total	ND	1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070507
Surrogate	Surrogate Recovery	Contro	ol Limits (%)				Analyzed by: EricKi	um
4-Bromofluorobenzene	112	65	- 135				Reviewed by: MaiC	hiTu
VOCs by GC: EPA 8021B								
Parameter	Result Q	Qual D/P-1	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND	1.0	0.050	mg/Kg	N/A	N/A	5/8/2007	SGC070507
Surrogate	Surrogate Recovery	Contro	ol Limits (%)				Analyzed by: EricK	um
4-Bromofluorobenzene	112	65	- 135				Reviewed by: MaiC	hiTu
TPH-Purgeable - GC: EPA	A 8015B							
Parameter	Result Q	Qual D/P-1	F Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND	1.0	0.50	mg/Kg	N/A	N/A	5/8/2007	SGC070507
Surrogate	Surrogate Recovery	Contro	ol Limits (%)				Analyzed by: EricKi	um
4-Bromofluorobenzene	86.9	65	- 135				Reviewed by: MaiC	hiTu
TPH-Extractable: EPA 354	45A / EPA 8015B(M)							
Parameter	Result Q	Qual D/P-1	F Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND	1.0	5.0	mg/Kg	5/3/2007	SD070503B	5/7/2007	SD070503B
Surrogate	Surrogate Recovery	Contro	ol Limits (%)				Analyzed by: NBoca	alan
n-Hexacosane	107	50	- 150				Reviewed by: ELing	5

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

RM Associates

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6404

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, California

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Co. Directly

Certificate of A	Analysis -	Data	Report
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						<u> </u>					
Lab #: 55258-003	Sample ID: SS-3-	22			I	Matrix: Solid	Sample 1	Date: 5/2/2007	9:15 AM		
VOCs by GC: EPA 8021B											
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508		
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508		
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508		
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508		
Surrogate	Surrogate Recovery		Control l	Limits (%)				Analyzed by: EricKu	ım		
4-Bromofluorobenzene	113		65 -	135				Reviewed by: MaiC	hiTu		
VOCs by GC: EPA 8021B											
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
Methyl-t-butyl Ether	ND		1.0	0.050	mg/Kg	N/A	N/A	5/8/2007	SGC070508		
Surrogate	Surrogate Recovery		Control l	Limits (%)				Analyzed by: EricKu	ım		
4-Bromofluorobenzene	113		65 -	135				Reviewed by: MaiC	hiTu		
TPH-Purgeable - GC: EPA	8015B										
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	5/8/2007	SGC070508		
Surrogate	Surrogate Recovery		Control l	Limits (%)				Analyzed by: EricKu	ım		
4-Bromofluorobenzene	86.4		65 -	135				Reviewed by: MaiC	hiTu		
TPH-Extractable: EPA 354	5A / EPA 8015B(M)										
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
TPH as Diesel	ND		1.0	5.0	mg/Kg	5/3/2007	SD070503B	5/7/2007	SD070503B		
Surrogate	Surrogate Recovery Control Limits (%)						Analyzed by: NBocalan				
n-Hexacosane	109 50 - 150							Reviewed by: ELing			

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RM Associates

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Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6404

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, California

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Co. Directly

Certificate of A	nalysis - Dat	a Report
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					υ,	ampie concete	a by. Chem			
Lab #: 55258-004	Sample ID: SS-2-	10			I	Matrix: Solid	Sample I	Date: 5/2/2007	11:35 AM	
VOCs by GC: EPA 8021B										
Parameter	Result (Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch	
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508	
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508	
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508	
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508	
Surrogate	Surrogate Recovery		Control 1	Limits (%)				Analyzed by: EricKı	ım	
4-Bromofluorobenzene	115		65 -	135				Reviewed by: MaiC	hiTu	
VOCs by GC: EPA 8021B										
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch	
Methyl-t-butyl Ether	ND		1.0	0.050	mg/Kg	N/A	N/A	5/8/2007	SGC070508	
Surrogate	Surrogate Recovery		Control 1	Limits (%)				Analyzed by: EricKu	ım	
4-Bromofluorobenzene	115		65 -	135			Reviewed by: MaiChiTu			
TPH-Purgeable - GC: EPA	A 8015B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch	
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	5/8/2007	SGC070508	
Surrogate	Surrogate Recovery		Control 1	Limits (%)				Analyzed by: EricKi	ım	
4-Bromofluorobenzene	88.0		65 -	135				Reviewed by: MaiC	hiTu	
TPH-Extractable: EPA 354	45A / EPA 8015B(M)									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch	
TPH as Diesel	ND		1.0	5.0	mg/Kg	5/3/2007	SD070503B	5/7/2007	SD070503B	
Surrogate	Surrogate Recovery Control Limits (%)					Analyzed by: NBocalan				
n-Hexacosane	110		50 -	150				Reviewed by: ELing		

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Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6404

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, California

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Co. Directly

Certificate of	Analysis -	Data	Report
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						ampre contects	d by. Chem		
Lab #: 55258-005	Sample ID: SS-2	2-16			I	Matrix: Solid	Sample I	Date: 5/2/2007	12:05 PM
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Surrogate	Surrogate Recovery Control Limits (%)							Analyzed by: EricKi	ım
4-Bromofluorobenzene	113 65 - 135						Reviewed by: MaiC	hiTu	
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND		1.0	0.050	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Surrogate	Surrogate Recovery Control Limits (%)							Analyzed by: EricKi	ım
4-Bromofluorobenzene	113		65 -	135				Reviewed by: MaiC	hiTu
TPH-Purgeable - GC: EPA	8015B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Surrogate	Surrogate Recovery	y	Control	Limits (%)				Analyzed by: EricKi	ım
4-Bromofluorobenzene	86.4		65	135				Reviewed by: MaiC	hiTu
TPH-Extractable: EPA 354	15A / EPA 8015B(M)								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	5.0	mg/Kg	5/3/2007	SD070503B	5/7/2007	SD070503B
15 mg/Kg Motor Oil.									
Surrogate	Surrogate Recovery	y	Control	Limits (%)				Analyzed by: NBoca	alan
n-Hexacosane	112		50 -						

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Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, California

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Co. Directly

Certificate of Analysis -	Data	Report
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22007 12:20 PM		
Date QC Batch		
Date QC Batch		
007 SGC070508		
oy: EricKum		
by: MaiChiTu		
Date QC Batch		
007 SGC070508		
oy: EricKum		
Reviewed by: MaiChiTu		
Date QC Batch		
007 SGC070508		
oy: EricKum		
by: MaiChiTu		
Date QC Batch		
007 SD070503B		
Analyzed by: NBocalan		
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Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6404

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, California

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Co. Directly

Samples Received: 05/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

						ampre concert	d by: Chem		
Lab #: 55258-007	Sample ID: SS-1	-10			I	Matrix: Solid	Sample I	Date: 5/2/2007	2:10 PM
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Surrogate	Surrogate Recovery	7	Control 1	Limits (%)				Analyzed by: EricKı	ım
4-Bromofluorobenzene	116	116 65 - 135						Reviewed by: MaiC	hiTu
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	ND		1.0	0.050	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Surrogate	Surrogate Recovery Control Limits (%)							Analyzed by: EricKi	ım
4-Bromofluorobenzene	116		65 -	135			Reviewed by: MaiChiTu		
TPH-Purgeable - GC: EPA	8015B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Surrogate	Surrogate Recovery	7	Control 1	Limits (%)				Analyzed by: EricKı	ım
4-Bromofluorobenzene	90.2		65 -	135				Reviewed by: MaiC	hiTu
TPH-Extractable: EPA 354	5A / EPA 8015B(M)								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	5.0	mg/Kg	5/3/2007	SD070503B	5/7/2007	SD070503B
Surrogate	Surrogate Recovery	7	Control 1	Limits (%)				Analyzed by: NBoca	ılan
n-Hexacosane	117		50 -	150				Reviewed by: ELing	

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Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6404

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, California

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Co. Directly

Samples Received: 05/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

						ample Conecte	a oj. enem		
Lab #: 55258-008	Sample ID: SS-1	-17			I	Matrix: Solid	Sample I	Date: 5/2/2007	2:40 PM
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Surrogate	Surrogate Recovery	7	Control 1	Limits (%)				Analyzed by: EricKı	ım
4-Bromofluorobenzene	115	115 65 - 135						Reviewed by: MaiC	hiTu
VOCs by GC: EPA 8021B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Methyl-t-butyl Ether	0.23		1.0	0.050	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Surrogate	Surrogate Recovery Control Limits (%)							Analyzed by: EricKu	ım
4-Bromofluorobenzene	115		65 -	135			Reviewed by: MaiChiTu		
TPH-Purgeable - GC: EPA	8015B								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	5/8/2007	SGC070508
Surrogate	Surrogate Recovery	7	Control 1	Limits (%)				Analyzed by: EricKı	ım
4-Bromofluorobenzene	87.1		65 -	135				Reviewed by: MaiC	hiTu
TPH-Extractable: EPA 354	5A / EPA 8015B(M)								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	5.0	mg/Kg	5/3/2007	SD070503B	5/7/2007	SD070503B
Surrogate	Surrogate Recovery	,	Control 1	Limits (%)				Analyzed by: NBoca	ılan
n-Hexacosane	76.1		50 -	150				Reviewed by: ELing	

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Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6404

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, California

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Co. Directly

Samples Received: 05/03/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

						ampie concete	-			
Lab #: 55258-009	Sample ID: SS-1-	21			ľ	Matrix: Solid	Sample I	Date: 5/2/2007	2:50 PM	
VOCs by GC: EPA 8021B										
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch	
Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508	
Toluene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508	
Ethyl Benzene	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508	
Xylenes, Total	ND		1.0	0.010	mg/Kg	N/A	N/A	5/8/2007	SGC070508	
Surrogate	Surrogate Recovery	Recovery Control Limits (%)					Analyzed by: EricKum			
4-Bromofluorobenzene	111 65 - 135						Reviewed by: MaiC	hiTu		
VOCs by GC: EPA 8021B										
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch	
Methyl-t-butyl Ether	ND		1.0	0.050	mg/Kg	N/A	N/A	5/8/2007	SGC070508	
Surrogate	Surrogate Recovery Control Limits (%)						Analyzed by: EricKi	ım		
4-Bromofluorobenzene	111		65 -	135			Reviewed by: MaiChiTu			
TPH-Purgeable - GC: EPA	8015B									
Parameter	Result (Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch	
TPH as Gasoline	ND		1.0	0.50	mg/Kg	N/A	N/A	5/8/2007	SGC070508	
Surrogate	Surrogate Recovery		Control I	Limits (%)				Analyzed by: EricKi	ım	
4-Bromofluorobenzene	93.7		65 -	135				Reviewed by: MaiC	hiTu	
TPH-Extractable: EPA 354	5A / EPA 8015B(M)									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch	
TPH as Diesel	ND		1.0	5.0	mg/Kg	5/3/2007	SD070503B	5/7/2007	SD070503B	
Surrogate	Surrogate Recovery		Control I	Limits (%)				Analyzed by: NBoca	ılan	
n-Hexacosane	116		50 -	150				Reviewed by: ELing		

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Method Blank - Solid - TPH-Purgeable - GC: EPA 8015B

QC Batch ID: SGC070507 Validated by: MaiChiTu - 05/08/07

QC Batch Analysis Date: 5/7/2007

ParameterResultDFPQLRUnitsTPH as GasolineND10.50mg/Kg

Surrogate for Blank % Recovery Control Limits 4-Bromofluorobenzene 89.5 65 - 135

Method Blank - Solid - VOCs by GC: EPA 8021B

QC Batch ID: SGC070507 Validated by: MaiChiTu - 05/08/07

QC Batch Analysis Date: 5/7/2007

DF **Parameter** Result **PQLR** Units ND 1 0.010 mg/Kg Benzene Ethyl Benzene ND 1 0.010 mg/Kg ND Toluene 0.010 mg/Kg 1 Xylenes, Total ND 0.010 mg/Kg

Surrogate for Blank% RecoveryControl Limits4-Bromofluorobenzene11665- 135

Method Blank - Solid - VOCs by GC: EPA 8021B

QC Batch ID: SGC070507 Validated by: MaiChiTu - 05/08/07

QC Batch Analysis Date: 5/7/2007

 Parameter
 Result
 DF
 PQLR
 Units

 Methyl-t-butyl Ether
 ND
 1
 0.050
 mg/Kg

Surrogate for Blank % Recovery Control Limits 4-Bromofluorobenzene 116 65 - 135

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Solid - TPH-Purgeable - GC: EPA 8015B

QC Batch ID: SGC070507 Reviewed by: MaiChiTu - 05/08/07

QC Batch ID Analysis Date: 5/7/2007

LCS

ParameterMethod BlankSpike AmtSpikeResultUnits% RecoveryRecovery LimitsTPH as Gasoline<0.50</td>2.52.48mg/Kg99.265 - 135

Surrogate% RecoveryControl Limits4-Bromofluorobenzene10865 - 135

LCSD

ParameterMethod BlankSpike AmtSpikeResultUnits% RecoveryRPDRPD LimitsRecovery LimitsTPH as Gasoline<0.50</td>2.52.50mg/Kg1000.80330.065 - 135

Surrogate % Recovery Control Limits 4-Bromofluorobenzene 108 65 - 135

LCS / LCSD - Solid - VOCs by GC: EPA 8021B

QC Batch ID: SGC070507 Reviewed by: MaiChiTu - 05/08/07

QC Batch ID Analysis Date: 5/7/2007

LCS

Parameter Method Blank Spike Amt SpikeResult Units % Recovery **Recovery Limits** Benzene < 0.010 0.08 0.0840 mg/Kg 105 54 - 146 <0.010 0.0830 67 - 134 0.08 mg/Kg 104 Ethyl Benzene < 0.010 0.08 0.0830 mg/Kg 104 45 - 157 Toluene < 0.010 0.246 102 79 - 126 Xylenes, total 0.24 mg/Kg

Surrogate% RecoveryControl Limits4-Bromofluorobenzene10665 - 135

LCSD

Parameter Method Blank Spike Amt SpikeResult Units % Recovery **RPD RPD Limits Recovery Limits** Benzene < 0.010 0.08 0.0760 mg/Kg 95.0 10.0 30.0 54 - 146 <0.010 0.08 0.0750 mg/Kg 93.8 10.1 30.0 67 - 134 Ethyl Benzene 45 - 157 < 0.010 0.08 0.0760 8.81 30.0 Toluene mg/Kg 95.0 <0.010 Xylenes, total 0.24 0.226 mg/Kg 94.2 8.47 30.0 79 - 126

Surrogate% RecoveryControl Limits4-Bromofluorobenzene10165 - 135

LCS / LCSD - Solid - VOCs by GC: EPA 8021B

QC Batch ID: SGC070507 Reviewed by: MaiChiTu - 05/08/07

QC Batch ID Analysis Date: 5/7/2007

LCS

ParameterMethod BlankSpike AmtSpikeResultUnits% RecoveryRecovery LimitsMethyl-t-butyl Ether<0.050</td>0.080.0780mg/Kg97.565 - 135

Surrogate % Recovery Control Limits 4-Bromofluorobenzene 106 65 - 135

LCSD

Parameter Method Blank Spike Amt SpikeResult Units % Recovery RPD RPD Limits Recovery Limits

Methyl-t-butyl Ether <0.050 0.08 0.0770 mg/Kg 96.2 1.29 30.0 65 - 135

Surrogate % Recovery Control Limits
4-Bromofluorobenzene 101 65 - 135

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Method Blank - Solid - TPH-Purgeable - GC: EPA 8015B

QC Batch ID: SGC070508 Validated by: MaiChiTu - 05/09/07

QC Batch Analysis Date: 5/8/2007

 Parameter
 Result
 DF
 PQLR
 Units

 TPH as Gasoline
 ND
 1
 0.50
 mg/Kg

Surrogate for Blank % **Recovery Control Limits**4-Bromofluorobenzene **85.9** 65 - 135

Method Blank - Solid - VOCs by GC: EPA 8021B

QC Batch ID: SGC070508 Validated by: MaiChiTu - 05/09/07

QC Batch Analysis Date: 5/8/2007

DF **Parameter** Result **PQLR** Units ND 1 0.010 mg/Kg Benzene Ethyl Benzene ND 1 0.010 mg/Kg ND Toluene 0.010 mg/Kg 1 Xylenes, Total ND 0.010 mg/Kg

Surrogate for Blank % **Recovery Control Limits**4-Bromofluorobenzene **114** 65 - 135

Method Blank - Solid - VOCs by GC: EPA 8021B

QC Batch ID: SGC070508 Validated by: MaiChiTu - 05/09/07

QC Batch Analysis Date: 5/8/2007

 Parameter
 Result
 DF
 PQLR
 Units

 Methyl-t-butyl Ether
 ND
 1
 0.050
 mg/Kg

Surrogate for Blank % Recovery Control Limits 4-Bromofluorobenzene 114 65 - 135

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LCS / LCSD - Solid - TPH-Purgeable - GC: EPA 8015B

QC Batch ID: SGC070508 Reviewed by: MaiChiTu - 05/09/07

QC Batch ID Analysis Date: 5/8/2007

LCS

ParameterMethod BlankSpike AmtSpikeResultUnits% RecoveryRecovery LimitsTPH as Gasoline<0.50</td>2.52.50mg/Kg10065 - 135

Surrogate% RecoveryControl Limits4-Bromofluorobenzene11065 - 135

LCSD

ParameterMethod BlankSpike AmtSpikeResultUnits% RecoveryRPDRPD LimitsRecovery LimitsTPH as Gasoline<0.50</td>2.52.34mg/Kg93.66.6130.065 - 135

Surrogate % Recovery Control Limits 4-Bromofluorobenzene 116 65 - 135

LCS / LCSD - Solid - VOCs by GC: EPA 8021B

QC Batch ID: SGC070508 Reviewed by: MaiChiTu - 05/09/07

QC Batch ID Analysis Date: 5/8/2007

LCS

Parameter Method Blank Spike Amt SpikeResult Units % Recovery **Recovery Limits** Benzene < 0.010 0.08 0.0870 mg/Kg 109 54 - 146 <0.010 67 - 134 0.08 0.0870 mg/Kg 109 Ethyl Benzene < 0.010 0.08 0.0890 mg/Kg 45 - 157 Toluene 111 < 0.010 0.262 109 79 - 126 Xylenes, total 0.24 mg/Kg

Surrogate% RecoveryControl Limits4-Bromofluorobenzene11665 - 135

LCSD

Parameter Method Blank Spike Amt SpikeResult Units % Recovery **RPD RPD Limits Recovery Limits** Benzene < 0.010 0.08 0.0820 mg/Kg 102 5.92 30.0 54 - 146 <0.010 0.08 0.0790 mg/Kg 98.8 9.64 30.0 67 - 134 Ethyl Benzene 45 - 157 < 0.010 0.08 0.0800 10.7 30.0 Toluene mg/Kg 100 <0.010 Xylenes, total 0.24 0.243 mg/Kg 101 7.52 30.0 79 - 126

Surrogate% RecoveryControl Limits4-Bromofluorobenzene10965 - 135

LCS / LCSD - Solid - VOCs by GC: EPA 8021B

QC Batch ID: SGC070508 Reviewed by: MaiChiTu - 05/09/07

QC Batch ID Analysis Date: 5/8/2007

LCS

ParameterMethod BlankSpike AmtSpikeResultUnits% RecoveryRecovery LimitsMethyl-t-butyl Ether<0.050</td>0.080.0700mg/Kg87.565 - 135

Surrogate % Recovery Control Limits 4-Bromofluorobenzene 116 65 - 135

LCSD

ParameterMethod BlankSpike AmtSpikeResultUnits% RecoveryRPDRPD LimitsRecovery LimitsMethyl-t-butyl Ether<0.050</td>0.080.0720mg/Kg90.02.8230.065 - 135

Surrogate % Recovery Control Limits 4-Bromofluorobenzene 109 65 - 135

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Method Blank - Solid - TPH-Extractable: EPA 3545A / EPA 8015B(M)

QC/Prep Batch ID: SD070503B Validated by: ELing - 05/04/07

QC/Prep Date: 5/3/2007

ParameterResultDFPQLRUnitsTPH as DieselND15.0mg/Kg

Surrogate for Blank % Recovery Control Limits n-Hexacosane 93.1 50 - 150

LCS / LCSD - Solid - TPH-Extractable: EPA 3545A / EPA 8015B(M)

QC Batch ID: SD070503B Reviewed by: ELing - 05/04/07

QC/Prep Date: 5/3/2007

LCS

Parameter Method Blank Spike Amt SpikeResult Units % Recovery **Recovery Limits** <5.0 103 45 - 140 TPH as Diesel 100 mg/Kg 103 TPH as Motor Oil <10 100 87.9 mg/Kg 87.9 45 - 140

Surrogate % Recovery Control Limits n-Hexacosane 99.4 50 - 150

LCSD

Parameter Method Blank Spike Amt SpikeResult Units % Recovery **RPD** RPD Limits Recovery Limits TPH as Diesel <5.0 100 94.2 mg/Kg 94.2 9.22 30.0 45 - 140 45 - 140 TPH as Motor Oil <10 83.4 5.25 30.0 100 mg/Kg 83.4

Surrogate % Recovery Control Limits n-Hexacosane 88.2 50 - 150

16401 Meadow Vista Drive, Suite 102 RMAssociates CHAIN OF CUSTODY FORM Pioneer, CA 95666 55258 Main Line: (209) 295-6218 Facsimile: (209) 295-3974 Turnaround X Standar 3 day Project Name: Client: Robinson Oil Corporation Rotten Robbie No. 64 Time: __ 7 day ___ 2 day Project Number 101-6404 Task: 1 __ 5 day ___ 24 hr (working days) T0600152516 Global I.D.: 4186 East Avenue, Livermore, California Proiect Address: Laboratory: Entech Analytical Labs Contact: Simon Hague Analyses Requested (408) 588-0200 Lab Address/Phone: RMA Project Manager: Ronald W. Michelson RMA PM Ph. No.: (209) 295-7903 Email: Rmichelson@volcano.net Phone: (209) 295-6218 RMA Sampler: Ron Michelson TPHg/BTEX/MTBE (8015M/8021) (8015M) FATTEST LOOK Sample Information Container Information Field Pt. I.D.-Matrix TPHd Check if same as No. Type RMA Sample ID Date Sample I.D. Time Water Vapor 55-3-10 5-2-7 8:30. X -col X SS-3-15 -002 5.2-7 8:50 Х 1 X 55-3-22 9:15 Χ -002 1 X 55-2 -10 5-2-7 X col11:35 ٧ 55-2-16 5-2-7 12:05 Χ -00 1 Y X 5-2-7 55-2-21 12:20 Х -006 S5-1-10 5-2-7 Χ 007 2:10 ¥ 55-1-17 5-2-7 2:40 Χ -c0# 55-1-21 5-2.7 2:50 X 1009 Ė Χ X Χ 8"x6" 85 C X Χ Х Additional Comments: Invoice to Robinson Oil Corporation, 4250 Williams Road, San Jose, CA 95129 Attn. Tom Robinson, (408) 257-2222 Report to RMA **EDF Format** Relinquished By: Date/Time: 5/3/07 /14/ Received Bv: plhomp Date/Time: Relinguished By: Date/Time: Received By: Date/Time:

Relinguished By:

Sample Condition, Good? Yes No

Received By:

Transportation Method:

Date/Time:

Cooler Temp _____

On Ice? Yes ___ No ___

Date/Time:

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Ron Michelson Lab Certificate Number: 55305

RM Associates Issued: 05/16/2007

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666

P.O. Number: Invoice Robinson Oil Corp.

Directly

Project Number: 101-6404 Global ID: T0600152516

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, California

Certificate of Analysis - Final Report

On May 07, 2007, samples were received under chain of custody for analysis.

Entech analyzes samples "as received" unless otherwise noted. The following results are included:

Matrix Test / Comments

Liquid Electronic Deliverables for Geotracker

TPH-Extractable: EPA 3510C / EPA 8015B(M)

TPH-Purgeable: GC/MS VOCs: EPA 8260B

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346). If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,

C. L. Thom

Laboratory Director

C. L. Thom

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

RM Associates

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6404

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, California

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 05/07/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 55305-001 **Sample ID: MW-1 Matrix:** Liquid **Sample Date:** 5/7/2007 1:30 PM

VOCs: EPA 8260B								
Parameter	Result	Qual D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	150	10	5.0	μg/L	N/A	N/A	5/8/2007	WM2C070508C
Toluene	7.0	10	5.0	\mug/L	N/A	N/A	5/8/2007	WM2C070508C
Ethyl Benzene	620	10	5.0	\mug/L	N/A	N/A	5/8/2007	WM2C070508C
Xylenes, Total	160	10	5.0	\mug/L	N/A	N/A	5/8/2007	WM2C070508C
Methyl-t-butyl Ether	310	10	10	\mug/L	N/A	N/A	5/8/2007	WM2C070508C
tert-Butyl Ethyl Ether	ND	10	50	\mug/L	N/A	N/A	5/8/2007	WM2C070508C
tert-Butanol (TBA)	ND	10	100	\mug/L	N/A	N/A	5/8/2007	WM2C070508C
Diisopropyl Ether	ND	10	50	\mug/L	N/A	N/A	5/8/2007	WM2C070508C
tert-Amyl Methyl Ether	ND	10	50	\mug/L	N/A	N/A	5/8/2007	WM2C070508C
1,2-Dichloroethane	ND	10	5.0	\mug/L	N/A	N/A	5/8/2007	WM2C070508C
1,2-Dibromoethane (EDB)	ND	10	5.0	μg/L	N/A	N/A	5/8/2007	WM2C070508C
g , , , , , , ,	4 B	a .	T (0/)				A 1 h TAT	,

Surrogate	Surrogate Recovery	Control Limits (%)	
4-Bromofluorobenzene	102	60 - 130	
Dibromofluoromethane	99.9	60 - 130	
Toluene-d8	93.0	60 - 130	

Analyzed by: TAF

Reviewed by: MaiChiTu

TPH-Purgeable: GC/MS

Parameter	Result Q	ual I	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	4800		10	250	μg/L	N/A	N/A	5/8/2007	WM2C070508C
Surrogate	Surrogate Recovery	C	ontrol I	Limits (%)				Analyzed by: TAF	
4-Bromofluorobenzene	105		60 -	130				Reviewed by: Mai	ChiTu
Dibromofluoromethane	106		60 -	130					
Toluene-d8	98.1		60 -	130					

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	μg/L	5/9/2007	WD070509A	5/11/2007	WD070509A
1800 μg/L Higher boiling gasoline compounds (C9-C22).									

Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by: NBocalan
n-Hexacosane	98.0	50 - 150	Reviewed by: ECunniffe

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RM Associates

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6404

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, California

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 05/07/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 55305-002 **Sample ID: MW-2 Matrix:** Liquid **Sample Date:** 5/7/2007 1:10 PM

VOCs: EPA 8260B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	$\mu g/L$	N/A	N/A	5/8/2007	WM2C070508C
Toluene	ND		1.0	0.50	$\mu g/L$	N/A	N/A	5/8/2007	WM2C070508C
Ethyl Benzene	ND		1.0	0.50	$\mu g/L$	N/A	N/A	5/8/2007	WM2C070508C
Xylenes, Total	ND		1.0	0.50	$\mu g/L$	N/A	N/A	5/8/2007	WM2C070508C
Methyl-t-butyl Ether	ND		1.0	1.0	$\mu g/L$	N/A	N/A	5/8/2007	WM2C070508C
tert-Butyl Ethyl Ether	ND		1.0	5.0	$\mu g/L$	N/A	N/A	5/8/2007	WM2C070508C
tert-Butanol (TBA)	ND		1.0	10	$\mu g/L$	N/A	N/A	5/8/2007	WM2C070508C
Diisopropyl Ether	ND		1.0	5.0	$\mu g/L$	N/A	N/A	5/8/2007	WM2C070508C
tert-Amyl Methyl Ether	ND		1.0	5.0	$\mu g/L$	N/A	N/A	5/8/2007	WM2C070508C
1,2-Dichloroethane	ND		1.0	0.50	$\mu g/L$	N/A	N/A	5/8/2007	WM2C070508C
1,2-Dibromoethane (EDB)	ND		1.0	0.50	$\mu g \! / \! L$	N/A	N/A	5/8/2007	WM2C070508C

Surrogate	Surrogate Recovery	Control Limits (%)				
4-Bromofluorobenzene	96.3	60	-	130		
Dibromofluoromethane	93.4	60	-	130		
Toluene-d8	90.3	60	-	130		

Analyzed by: TAF

Reviewed by: MaiChiTu

TPH-Purgeable: GC/MS

Parameter	Result (Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	25	μg/L	N/A	N/A	5/8/2007	WM2C070508C
Surrogate	Surrogate Recovery		Control 1	Limits (%)				Analyzed by: TAF	
4-Bromofluorobenzene	99.4		60 -	130				Reviewed by: Mai	ChiTu
Dibromofluoromethane	99.4		60 -	130					
Toluene-d8	95.2		60 -	130					

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	52	μg/L	5/11/2007	WD070511A	5/12/2007	WD070511A
Surrogate	Surrogate Recovery		Control 1	Limits (%)				Analyzed by: NBoo	alan
n-Hexacosane	76.3		50 -	- 150				Reviewed by: ELin	g

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RM Associates

16401 Meadow Vista Drive, Suite 102

Pioneer, CA 95666 Attn: Ron Michelson Project Number: 101-6404

Project Name: Rotten Robbie No. 64

Project Location: 4186 East Avenue, Livermore, California

Analyzed by: TAF

GlobalID: T0600152516

P.O. Number: Invoice Robinson Oil Corp. Directly

Samples Received: 05/07/2007 Sample Collected by: Client

Certificate of Analysis - Data Report

Lab #: 55305-003 **Sample ID: MW-3 Matrix:** Liquid **Sample Date:** 5/7/2007 12:15 PM

VOCs: EPA 8260B									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	$\mu g/L$	N/A	N/A	5/8/2007	WM2C070508C
Toluene	ND		1.0	0.50	$\mu g/L$	N/A	N/A	5/8/2007	WM2C070508C
Ethyl Benzene	ND		1.0	0.50	\mug/L	N/A	N/A	5/8/2007	WM2C070508C
Xylenes, Total	ND		1.0	0.50	\mug/L	N/A	N/A	5/8/2007	WM2C070508C
Methyl-t-butyl Ether	ND		1.0	1.0	\mug/L	N/A	N/A	5/8/2007	WM2C070508C
tert-Butyl Ethyl Ether	ND		1.0	5.0	\mug/L	N/A	N/A	5/8/2007	WM2C070508C
tert-Butanol (TBA)	ND		1.0	10	\mug/L	N/A	N/A	5/8/2007	WM2C070508C
Diisopropyl Ether	ND		1.0	5.0	\mug/L	N/A	N/A	5/8/2007	WM2C070508C
tert-Amyl Methyl Ether	ND		1.0	5.0	$\mu g/L$	N/A	N/A	5/8/2007	WM2C070508C
1,2-Dichloroethane	ND		1.0	0.50	\mug/L	N/A	N/A	5/8/2007	WM2C070508C
1,2-Dibromoethane (EDB)	ND		1.0	0.50	μg/L	N/A	N/A	5/8/2007	WM2C070508C

Surrogate	Surrogate Recovery	Control Limits (%)				
4-Bromofluorobenzene	99.0	60 - 130				
Dibromofluoromethane	96.8	60 - 130				
Toluene-d8	92.3	60 - 130				

-Bromofluorobenzene 99.0 60 - 130 Reviewed by: MaiChiTu Dibromofluoromethane 96.8 60 - 130

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	25	μg/L	N/A	N/A	5/8/2007	WM2C070508C
Surrogate	Surrogate Recovery		Control l	Limits (%)				Analyzed by: TAF	
4-Bromofluorobenzene	102		60 -	130				Reviewed by: Mai	ChiTu
Dibromofluoromethane	103		60 -	130					
Toluene-d8	97.3		60 -	130					

TPH-Extractable: EPA 3510C / EPA 8015B(M)

	` ,								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	52	μg/L	5/11/2007	WD070511A	5/12/2007	WD070511A
Surrogate	Surrogate Recovery	7	Control 1	Limits (%)				Analyzed by: NBoo	alan
n-Hexacosane	86.6		50 -	- 150				Reviewed by: ELin	g

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Method Blank - Liquid - VOCs: EPA 8260B

QC Batch ID: WM2C070508C Validated by: MaiChiTu - 05/10/07

QC Batch Analysis Date: 5/8/2007

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	0.50	μg/L
1,2-Dichloroethane	ND	1	0.50	μg/L
Benzene	ND	1	0.50	μg/L
Diisopropyl Ether	ND	1	5.0	μg/L
Ethyl Benzene	ND	1	0.50	μg/L
Methyl-t-butyl Ether	ND	1	1.0	μg/L
tert-Amyl Methyl Ether	ND	1	5.0	μg/L
tert-Butanol (TBA)	ND	1	10	μg/L
tert-Butyl Ethyl Ether	ND	1	5.0	μg/L
Toluene	ND	1	0.50	μg/L
Xylenes, Total	ND	1	0.50	μg/L
Surrogate for Blank	ol Limits			

Surrogate for Blank	% Recovery	Control Limits			
4-Bromofluorobenzene	97.3	60	-	130	
Dibromofluoromethane	95.5	60	-	130	
Toluene-d8	94.4	60	-	130	

Method Blank - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM2C070508C Validated by: MaiChiTu - 05/10/07

QC Batch Analysis Date: 5/8/2007

Parameter			Result	DF	PQLR	Units
TPH as Gasoline			ND	1	25	μg/L
Surrogate for Blank	% Recovery	Control Limits				
4-Bromofluorobenzene	100	60 - 130				
Dibromofluoromethane	102	60 - 130				
Toluene-d8	99.5	60 - 130				

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LCS / LCSD - Liquid - VOCs: EPA 8260B

QC Batch ID: WM2C070508C Reviewed by: MaiChiTu - 05/10/07

QC Batch ID Analysis Date: 5/8/2007

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Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	16.7	μg/L	83.5	70 - 130
Benzene	<0.50	20	20.6	μg/L	103	70 - 130
Chlorobenzene	<0.50	20	20.4	μg/L	102	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.3	μg/L	102	70 - 130
Toluene	<0.50	20	20.0	μg/L	100	70 - 130
Trichloroethene	< 0.50	20	20.8	μg/L	104	70 - 130
Surrogate 4-Bromofluorobenzene		ontrol Limits 50 - 130				

Surrogate	% Recovery	Control Limit
4-Bromofluorobenzene	100	60 - 130
Dibromofluoromethane	95.7	60 - 130
Toluene-d8	92.8	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	< 0.50	20	16.4	μg/L	82.0	1.81	25.0	70 - 130
Benzene	< 0.50	20	20.3	μg/L	102	1.47	25.0	70 - 130
Chlorobenzene	< 0.50	20	20.8	μg/L	104	1.94	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	19.5	μg/L	97.5	4.02	25.0	70 - 130
Toluene	< 0.50	20	20.1	μg/L	100	0.499	25.0	70 - 130
Trichloroethene	< 0.50	20	21.0	μg/L	105	0.957	25.0	70 - 130

Surrogate	% Recovery	Control Limits							
4-Bromofluorobenzene	99.6	60	-	130					
Dibromofluoromethane	94.3	60	-	130					
Toluene-d8	93.0	60	-	130					

LCS / LCSD - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM2C070508C Reviewed by: MaiChiTu - 05/10/07

QC Batch ID Analysis Date: 5/8/2007

LCS

Parameter	Mothod B	lank Spike Amt	SnikoBosult	Units	% Recovery	Recovery Limits
Faranietei	Welliou D	ialik Spike Allit	Spikeriesuit	Ullits	70 Recovery	Recovery Limits
TPH as Gasoline	<25	250	273	μg/L	109	65 - 135
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	101	60 - 130				
Dibromofluoromethane	99.9	60 - 130				
Toluene-d8	96.0	60 - 130				

LCSD

Parameter	Method BI	ank Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	250	265	μg/L	106	2.97	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	101	60 - 130						
Dibromofluoromethane	100	60 - 130						
Toluene-d8	98.6	60 - 130						

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MS / MSD - Liquid - VOCs: EPA 8260B

QC Batch ID: WM2C070508CReviewed by: MaiChiTu - 05/10/07

QC Batch ID Analysis Date: 5/8/2007

MS Sample Spiked: 55305-003

	Sample	Spike	Spike		Analysis		Recovery
Parameter	Result	Amount	Result	Units	Date	% Recovery	Limits
Benzene	ND	20	20.9	μg/L	5/8/2007	104	70 - 130
Methyl-t-butyl Ether	ND	20	21.2	μg/L	5/8/2007	106	70 - 130
Toluene	ND	20	20.0	μg/L	5/8/2007	100	70 - 130

Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	97.7	60	- 130					
Dibromofluoromethane	96.7	60	- 130					
Toluene-d8	92.0	60	- 130					

MSD Sample Spiked: 55305-003

	Sample	Spike	Spike			Recovery			
Parameter	Result	Amount	Result	Units	Date	% Recovery	RPD	RPD Limits	Limits
Benzene	ND	20	21.3	μg/L	5/8/2007	106	1.90	25.0	70 - 130
Methyl-t-butyl Ether	ND	20	22.6	μg/L	5/8/2007	113	6.39	25.0	70 - 130
Toluene	ND	20	20.6	μg/L	5/8/2007	103	2.96	25.0	70 - 130

Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	98.2	60	-	130				
Dibromofluoromethane	99.8	60	-	130				
Toluene-d8	91.1	60	_	130				

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Method Blank - Liquid - TPH-Extractable: EPA 3510C / EPA 8015B(M)

QC/Prep Batch ID: WD070509A Validated by: ECunniffe - 05/11/07

QC/Prep Date: 5/9/2007

Surrogate for Blank % Recovery Control Limits n-Hexacosane 86.1 50 - 150

LCS / LCSD - Liquid - TPH-Extractable: EPA 3510C / EPA 8015B(M)

QC Batch ID: WD070509A Reviewed by: ECunniffe - 05/11/07

QC/Prep Date: 5/9/2007

LCS

Parameter Method Blank Spike Amt SpikeResult Units % Recovery **Recovery Limits** <50 858 40 - 138 TPH as Diesel 1000 μg/L 85.8 TPH as Motor Oil <100 1000 964 μg/L 96.4 40 - 138

Surrogate% RecoveryControl Limitsn-Hexacosane87.750 - 150

LCSD

Parameter Method Blank Spike Amt SpikeResult % Recovery **RPD** RPD Limits Recovery Limits Units TPH as Diesel <50 1000 941 94.1 9.27 25.0 40 - 138 μg/L <100 40 - 138 TPH as Motor Oil 1000 1020 5.81 25.0 μg/L 102

Surrogate % Recovery Control Limits n-Hexacosane 86.0 50 - 150

3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - TPH-Extractable: EPA 3510C / EPA 8015B(M)

QC/Prep Batch ID: WD070511A Validated by: ELing - 05/15/07

QC/Prep Date: 5/11/2007

ParameterResultDFPQLRUnitsTPH as DieselND150 $\mu g/L$

Surrogate for Blank % Recovery Control Limits n-Hexacosane 75.1 50 - 150

LCS / LCSD - Liquid - TPH-Extractable: EPA 3510C / EPA 8015B(M)

QC Batch ID: WD070511A Reviewed by: ELing - 05/15/07

QC/Prep Date: 5/11/2007

LCS

Parameter Method Blank Spike Amt SpikeResult Units % Recovery **Recovery Limits** <50 979 40 - 138 TPH as Diesel 1000 μg/L 97.9 TPH as Motor Oil <100 1000 1060 μg/L 106 40 - 138

Surrogate% RecoveryControl Limitsn-Hexacosane77.550 - 150

LCSD

Parameter Method Blank Spike Amt SpikeResult % Recovery **RPD** RPD Limits Recovery Limits Units TPH as Diesel <50 1000 1080 108 9.33 25.0 40 - 138 μg/L <100 40 - 138 TPH as Motor Oil 1000 1180 10.7 25.0 μg/L 118

Surrogate % Recovery Control Limits n-Hexacosane 75.3 50 - 150

Service Committee Co																						
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	Rotten Robb	Jie No. 6	<i>j</i> 4	- '		Task:	nson Oil Corpo					Time: 7 day 2 day other (working days) 5 day 24 hr (١					
	101-6404					•		(WOI	King	uays)	v	uay		_ 44 111			<u> </u>					
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	4186 East Avenue, Livermore, California								•	ı					nalyse	D/	- ~	-404				_
	Entech Analytical Labs Contact: Simon Hague								- ,	3		ğarınının	, , , , , , , , , , , , , , , , , , , 	AI	1alyse	95 No	ques	Teu		_		
	(408) 588-02									_											1	
RMA Project Manager:			חכ						-	1										1 1	1 1	
	(209) 295-7903 Email: Rmichelson@volcano.n							ano.ne	155305	χ, χ										i I	1 1	
RMA Sampler:	Ron Michels			_ P	hone:	(209)	295-6218			ő	ŝ									1	i 1	
	Jim Pa	wich	£							Fue 2560	5									1 1	i I	
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Sample Condition. Good? Yes_	No	On Ice? Ye	±5	No		Cooler T	Temp		Transportation Method:									Paç	ge	_of.		

APPENDIX F TRANSMITTAL LETTER

ROBINSON OIL CORPORATION



4250 WILLIAMS ROAD • SAN JOSE, CA 95129-3344 (408) 257-2222 • FAX (408) 252-6591



May 31, 2007

Mr. Ronald W. Michelson RM Associates 16401 Meadow Vista Drive, Suite 102 Pioneer, CA 95666 FAX (209) 295-3974

Site Location: Rotten Robbie #64

4186 East Avenue Livermore, CA

Report Title: Report of Preliminary Site Investigation Including UST Removal

Report Date: May 30, 2006

Dear Mr. Michelson:

I have reviewed and approved the above referenced report. Please submit it to the regulatory agencies listed in the distribution section of the report. Should any of the listed regulatory agencies require it, I am prepared to declare, under penalty of perjury, that to the best of my knowledge the information in the above referenced report is true and correct.

Sincerely,

Thomas L. Robinson