THRIFTY OIL CO.

November 2, 2010

O.107477

Mr. Paresh Khatri
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

Local #RO0000004
RWQCB #01-1478

Re: Former Thrifty Oil Co. Station #063
6125 Telegraph Avenue
Oakland, California 94502
High Vacuum Dual-Phase Extraction Report and Request for Low Risk Closure

Dear Mr. Khatri:

The enclosed *High Vacuum Dual Phase Extraction* (HVDPE) *Report* dated October 21, 2010, and prepared by CalClean Inc. (CalClean) (**Attachment A**) summarizes the results of the continuous 30-Day (24-hour/Day) mobile HVDPE event (HVDPE Event) conducted from September 13 to October 13, 2010, at former Thrifty Oil Co. (Thrifty) Station No. 063 located at 6125 Telegraph Avenue, Oakland, California (**Figure 1**). The HVDPE event was conducted in accordance with the *Continuous 5-Day Mobile High Vacuum Dual Phase Extraction Report and Workplan to Conduct a Continuous 30-Day Mobile High Vacuum Dual-Phase Extraction Event* (Workplan) dated June 9, 2010, which was approved by the Alameda County Health Care Services (ACHCS) in a letter dated August 26, 2010.

Laboratory analytical results of the total inlet vapor samples collected at the beginning (09/13/10) and at the end of the 30-Day HVDPE event (10/13/10) indicate a significant decrease in hydrocarbon constituent concentrations as shown in **Table 1** below. The ending TPHg, benzene and MTBE vapor concentrations of 386 ppmv, non-detectable and 0.08 ppmv, respectively, indicate that the HVDPE has likely remediated nearly all of the residual hydrocarbon mass beneath the site.

Table 1: TOTAL INLET VAPOR SAMPLE RESULTS DURING THE 30-Day HVDPE:

Sample ID	Constituent	Date of sampling and results in *(ppmv)*		Comments
		Beginning of HVDPE (09/13/10)	End of HVDPE (10/13/10)	
Inlet	TPHg	754	386	Significant Decrease
	Benzene	1.51	ND <0.05	Significant Decrease
	MTBE	0.131	0.08	Significant Decrease

The laboratory analytical results for the groundwater samples collected from extraction well MW-4 at the beginning (09/13/10) and at the end of the HVDPE event (10/13/10) indicate a decrease of TPHg and TBA concentrations in well MW-4 with benzene being non-detectable throughout the event.

MTBE concentrations increased slightly in well MW-4 when comparing beginning and ending concentrations, and Thrifty assumes that the increase may have been the result of the depression cone created around the extraction point (well MW-4) which pulled the MTBE back towards well MW-4.

Table 2 below shows the evolution of groundwater concentrations at the beginning and at the end of the 30-day DPE event:

Table 2: COMPARATIVE GROUNDWATER SAMPLE RESULTS:

Well ID	Constituent	**Date of Sampling and results in *(µg/L)***		Comments
		Beginning of DPE (9/13/10)	End of DPE (10/13/10)	
MW-4	TPHg	54	ND<6.6	Significant decrease in concentration
	Benzene	ND<0.18	ND<0.18	Remained non-detectable
	MTBE	37	71	Slight increase in concentration
	TBA	613	192	Significant decrease in concentration

During the HVDPE Event, approximately 12,570 gallons of groundwater and 291.80 pounds of hydrocarbons (as vapor) were removed. The average hydrocarbon removal rate over the 30-day event was approximately 0.41 pounds per hour. However, hydrocarbon removal rates during the last 11 days (from 10/2/10 to 10/13/10) of extraction declined to approximately 0.22 pounds per hour, indicating that asymptotic conditions have likely been reached.

Request for Site Closure

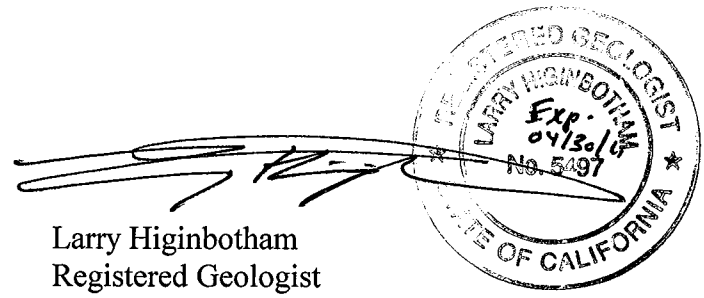
In the June 9, 2010 Workplan, Thrifty estimated the remaining hydrocarbon mass at the site to be less than 200 pounds. During this recent 30-day HVDPE approximately 291.80 pounds of hydrocarbons were removed, exceeding our original estimate of less than 200 pounds of hydrocarbons. Over the last 11 days of the 30-day HVDPE event, TPHg vapor concentrations remained stable and relatively low indicating that asymptotic conditions have been reached and that HVDPE was a very effective remedial technology for this site. Thrifty believes that almost all the hydrocarbon mass has been removed from the site and laboratory results for the ending groundwater and vapor samples indicated no detectable concentrations of benzene. Thrifty believes that the remaining contamination at the site poses little to no threat to human health or the environment, and it will naturally attenuate within a reasonable timeframe. Based on the above information, we respectively request that the ACHCS consider low risk closure for this site.

Should you have any questions regarding this report, please contact or the undersigned at (562) 921-3581, Ext. 390 (Chris) or 260 (Simon).

I declare, under penalty of perjury, that the information and/or recommendations contained in this document are true and correct to the best of my knowledge.

Respectfully submitted,

Simon Tregurtha
Project Manager



Larry Higinbotham
Registered Geologist

Chris Panaitescu
General Manager
Environmental Affairs

cc: BP West Coast Products LLC, Mr. John Skance
File

ATTACHMENT A

CALCLEAN INC.

"A Partner in Protecting California's Waters"

1·107472
RECEIVED
OCT 28 2010 ST
ENVIRONMENTAL
SSH 063

October 21, 2010

Thrifty Oil Co.
Attn.: Mr. Simon Tregurtha
13116 Imperial Highway
Santa Fe Springs, CA 90670

SITE: THRIFTY OIL COMPANY STATION #063
6125 TELEGRAPH AVENUE
OAKLAND, CALIFORNIA

RE: HIGH VACUUM DUAL PHASE EXTRACTION REPORT

Dear Mr. Tregurtha:

CalClean Inc. is submitting this High Vacuum Dual Phase Extraction (HVDPE) Report for the above referenced site (Figure 1). This report includes activities performed by CalClean during a 30-day (24 hours per day) HVDPE event between September 13 to October 13, 2010. All work was conducted in accordance with Thrifty Oil Company's (Thrifty) Continuous 5-Day Mobile High Vacuum Dual Phase Extraction Report and Workplan to Conduct a Continuous 30-Day Mobile High Vacuum Dual Phase Extraction Event report dated June 9, 2010, and the Alameda County Health Care Services approval letter dated August 26, 2010.

From September 13 to October 13, 2010, CalClean performed a 30-day HVDPE event on one onsite well MW-4 using a low-noise, truck-mounted 450-CFM high-vacuum liquid ring blower along with a Bay Area Air Quality Management District (BAAQMD) various locations permitted, propane-fired, thermal oxidizer (Plant #12568). This technology allows hydrocarbon vapor phase and dissolved phase to be simultaneously removed from the vadose zone, capillary fringe, and saturated soil zone.

During the HVDPE event, vapor samples were collected in Tedlar bags from the extraction well on the first day, and weekly thereafter until the end of the event. The laboratory results, listed in Table 1 and laboratory reports included in Attachment 2, indicate the following:

- The starting (September 13, 2010) Total Petroleum Hydrocarbons as Gasoline (TPH-G) vapor concentration in well MW-4 was 754 ppmv. The September 19, 2010 TPH-G vapor concentration was 1,720 ppmv. The September 25, 2010 TPH-G vapor concentration was 708 ppmv. The October 2, 2010 TPH-G vapor concentration was 397 ppmv. The October 13, 2010 ending TPH-G vapor concentration was 386 ppmv.

- The starting (September 13, 2010) Benzene vapor concentration in well MW-4 was 1.51 ppmv. The September 19, 2010 Benzene vapor concentration was ND<0.1 ppmv. The September 25, 2010 Benzene vapor concentration was 0.7 ppmv. The October 2, 2010 Benzene vapor concentration was 0.253 ppmv. The October 7, 2010 Benzene vapor concentration was ND<0.025 ppmv. The October 13, 2010 ending Benzene vapor concentration was ND<0.05 ppmv.

- The starting (September 13, 2010) Methyl tert-Butyl Ether (MtBE) vapor concentration in well MW-4 was 0.131 ppmv. The September 19, 2010 MtBE vapor concentration was ND<0.1 ppmv. The September 25, 2010 MtBE vapor concentration was 0.09 ppmv. The October 2, 2010 MtBE vapor concentration was 0.116 ppmv. The October 7, 2010 MtBE vapor concentration was 0.078 ppmv. The October 13, 2010 ending MtBE vapor concentration was 0.08 ppmv.

- The starting (September 13, 2010) tert-Butyl Alcohol (TBA) vapor concentration in well MW-4 was ND<0.2 ppmv. The September 19, 2010 TBA vapor concentration was ND<0.2 ppmv. The September 25, 2010 TBA vapor concentration was 0.289 ppmv. The October 2, 2010 TBA vapor concentration was ND<0.1 ppmv. The October 7, 2010 TBA vapor concentration was ND<0.05 ppmv. The October 13, 2010 TBA vapor concentration was ND<0.1 ppmv.

- The Diisopropyl Ether (DIPE), tert -Amyl Methyl Ether (TAME) and Ethyl tert-Butyl Ether (ETBE) vapor concentrations in well MW-4 were not detected above the laboratory detection limits for reporting purposes.

Based on the laboratory data, the total equivalent amount of hydrocarbons recovered through vapor extraction during the 30-day (approximately 720 hours) event was approximately 291.80 pounds (or approximately 0.41 pound per hour). The cumulative tabulation of recovered hydrocarbons (based on laboratory data) is provided in Table 2.

During the 30-day event, a total of approximately 12,570 gallons of groundwater (as measured through the onsite water meter) was extracted from well MW-4. The extracted groundwater was treated through three granular activated carbon vessels in series inside the onsite groundwater treatment system compound. The treated groundwater was pumped to the onsite sewer system in accordance with an East Bay Municipal Utility District discharge permit #502-44462.

Groundwater samples were collected from wells MW-4 at the start and weekly thereafter until the end of the event. The laboratory results, listed in Table 3 and laboratory reports included in Attachment 2, indicate the following:

- The starting (September 13, 2010) TPH-G groundwater concentration in well MW-4 was 54 ug/L. The September 19, 2010 TPH-G groundwater concentration was 184 ug/L. The September 25, 2010 TPH-G groundwater concentration was 94 ug/L. The October 2, 2010 TPH-G groundwater concentration was ND<6.6 ug/L. The October 7, 2010 TPH-G groundwater concentration was ND<6.6 ug/L. The October 13, 2010 ending TPH-G groundwater concentration was ND<6.6 ug/L.

- During the 30-day event, the Benzene groundwater concentrations in well MW-4 were not detected above the laboratory detection limits for reporting purposes.

- The starting (September 13, 2010) MtBE groundwater concentration in well MW-4 was 37 ug/L. The September 19, 2010 MtBE groundwater concentration was 50 ug/L. The September 25, 2010 MtBE groundwater concentration was 63 ug/L. The October 2, 2010 MtBE groundwater concentration was 68 ug/L. The October 7, 2010 MtBE groundwater concentration was 67 ug/L. The October 13, 2010 ending MtBE groundwater concentration was 71 ug/L.

- The starting (September 13, 2010) TBA groundwater concentration in well MW-4 was 613 ug/L. The September 19, 2010 TBA groundwater concentration in well MW-4 was 360 ug/L. The September 25, 2010 TBA groundwater concentration in well MW-4 was 370 ug/L. The October 2, 2010 TBA groundwater concentration in well MW-4 was 163 ug/L. The October 7, 2010 TBA groundwater concentration in well MW-4 was 242 ug/L. The October 13, 2010 ending TBA groundwater concentration in well MW-4 was 192 ug/L.

- During the 30-day event, the DIPE, TAME and ETBE groundwater concentrations in well MW-4 were not detected above the laboratory detection limits for reporting purposes.

The following attachments are included to document the HVDPE event at the site:

Figure 1	Site Plan Showing Well Locations
Figure 2	Total Inlet HC Concentrations versus Time (Using Lab Data)
Figure 3	Cumulative HC Recovered (using Lab Data)
Table 1	Results of Laboratory Analysis of Influent Vapor Samples
Table 2	Hydrocarbon Mass Removal Spreadsheet (using Lab Data)
Table 3	Results of Laboratory Analysis of Groundwater Samples
Attachment 1	High Vacuum Dual Phase Extraction Field Data Sheets
Attachment 2	Laboratory Reports

If you have any questions regarding this report, please contact us at (714) 734-9137 or via cell phone at (714) 936-2706.

Sincerely,

CALCLEAN INC.

Noel Shenoi
Principal Engineer

Attachments

CalClean Inc.

Table 1
RESULTS OF LABORATORY ANALYSIS OF VAPOR SAMPLES
Thrifty Oil #063
Oakland, California

Sample ID	Date/Time Sampled	TPH-g (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Total Xylenes (ppmv)	MtBE (ppmv)	TBA (ppmv)
MW-4	9/13/2010 1200	754	1.51	26.5	2.69	10.21	0.131	ND<0.2
MW-4	9/19/2010 1015	1,720	ND<0.1	ND<0.1	6.54	2.059	ND<0.1	ND<0.2
MW-4	9/25/2010 0800	708	0.7	0.309	3.84	1.615	0.09	0.289
MW-4	10/2/2010 1600	397	0.253	0.334	2.85	3.93	0.116	ND<0.1
MW-4	10/7/2010 1415	376	ND<0.025	ND<0.025	1.11	1.461	0.078	ND<0.05
MW-4	10/13/2010 0900	386	ND<0.05	ND<0.05	0.593	1.029	0.08	ND<0.1

Notes:

ppmv = parts per million by volume

TPH - g = total petroleum hydrocarbons - gasoline

Samples analyzed by EPA 8015B / EPA 8260B

MtBE = Methyl tert-Butyl Ether

Table 2
HYDROCARBON MASS REMOVAL SPREADSHEET (Using Lab Data)
Thrifty Oil #063, Oakland, CA

TIME	SYSTEM PARAMETERS			Hydrocarbon Recovery		
	Average System Vacuum (in of Hg)	Average Total System Inlet Flow (scfm)	Influent Concentrations Post-dilution* (ppmv)	(lbs)	(gal)	(Cumul. lbs)
9/13/2010 12:00	23	31	754	0.00	0.00	0
9/19/2010 10:15	23	42	1,720	87.44	14.00	87.44
9/25/2010 8:00	21	41	708	97.23	15.56	184.68
10/2/2010 16:00	21	36	397	50.97	8.16	235.65
10/7/2010 14:15	21	45	376	25.20	4.03	260.85
10/13/2010 9:00	21	41	386	30.95	4.95	291.80
	TOTAL HC RECOVERED* - LAB DATA			**291.80**	**46.71**	
	HC RECOVERED - lbs./hour			**0.41**		

TOTAL GROUNDWATER EXTRACTED	**12,570**

in of Hg = inches of mercury
scfm = standard cubic feet per minute
* Concentration data based on laboratory data

ppmv = parts per million by volume
lbs = pounds

gal = gallons

CalClean Inc.

Table 3

RESULTS OF LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
Thrifty Oil #063
Oakland, California

Sample ID	Date/Time Sampled	TPH-g (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MtBE (ug/L)	TBA (ug/L)
MW-4	9/13/2010 1100	54	ND<0.18	ND<0.24	ND<0.21	ND<0.45	37	613
MW-4	9/19/2010 1030	184	ND<0.18	ND<0.24	ND<0.21	ND<0.45	50	360
MW-4	9/25/2010 0845	94	ND<0.18	ND<0.24	ND<0.21	ND<0.45	63	370
MW-4	10/2/2010 1610	ND<6.6	ND<0.18	ND<0.24	ND<0.21	ND<0.45	68	163
MW-4	10/7/2010 1445	ND<6.6	ND<0.18	ND<0.24	ND<0.21	2.0J	67	242
MW-4	10/13/2010 0930	ND<6.6	ND<0.18	ND<0.24	ND<0.21	ND<0.45	71	192

Notes:

ug/L = parts per billion

TPH - g = total petroleum hydrocarbons - gasoline

Samples analyzed by EPA 8015B / EPA 8260B

TBA = tert-Butanol

MtBE = Methyl tert-Butyl Ether

Figure 2

Total Inlet HC Concentrations vs Time (30 Days)

Thrifty Oil #063, Oakland, CA - 9/13-10/13/10

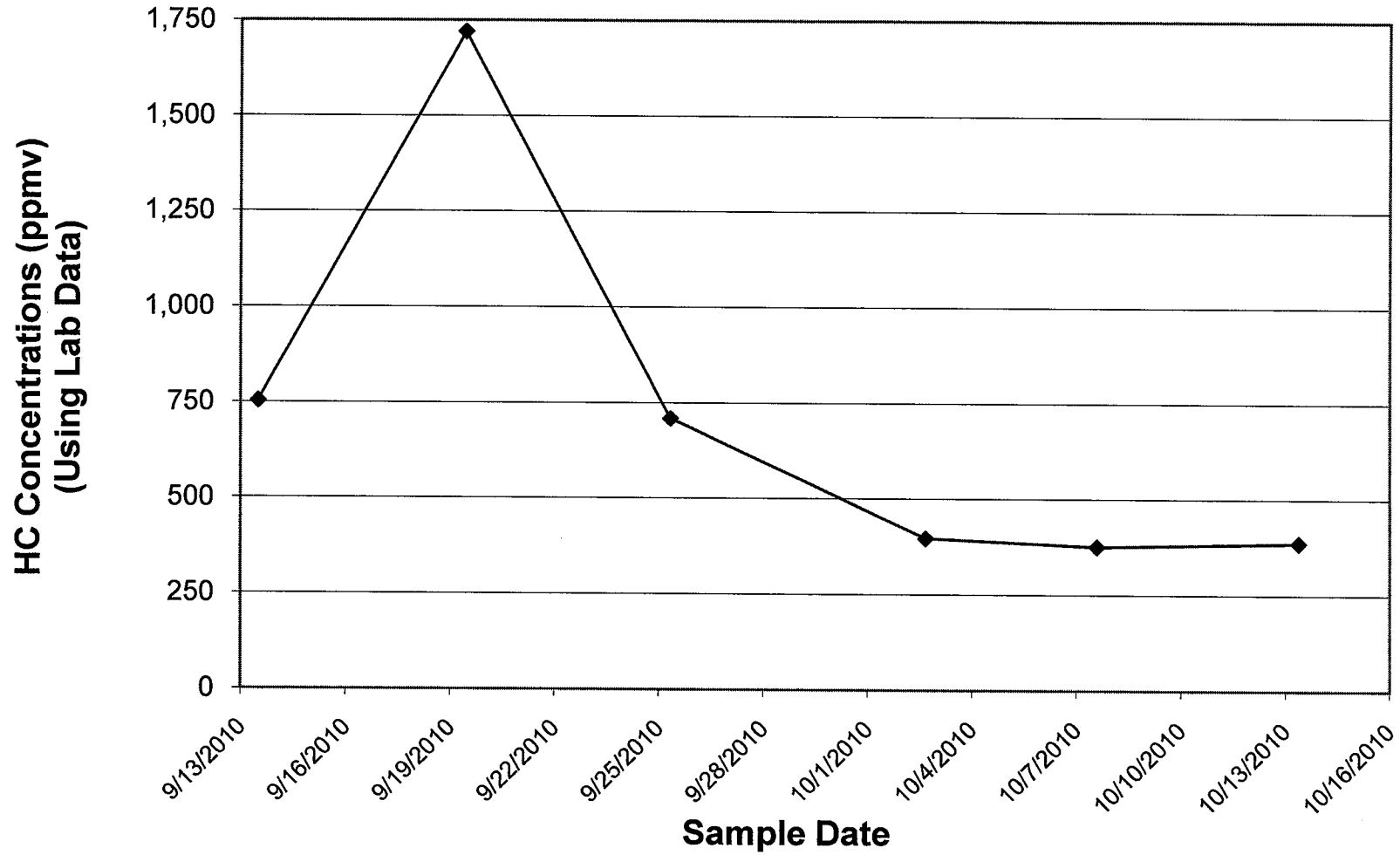
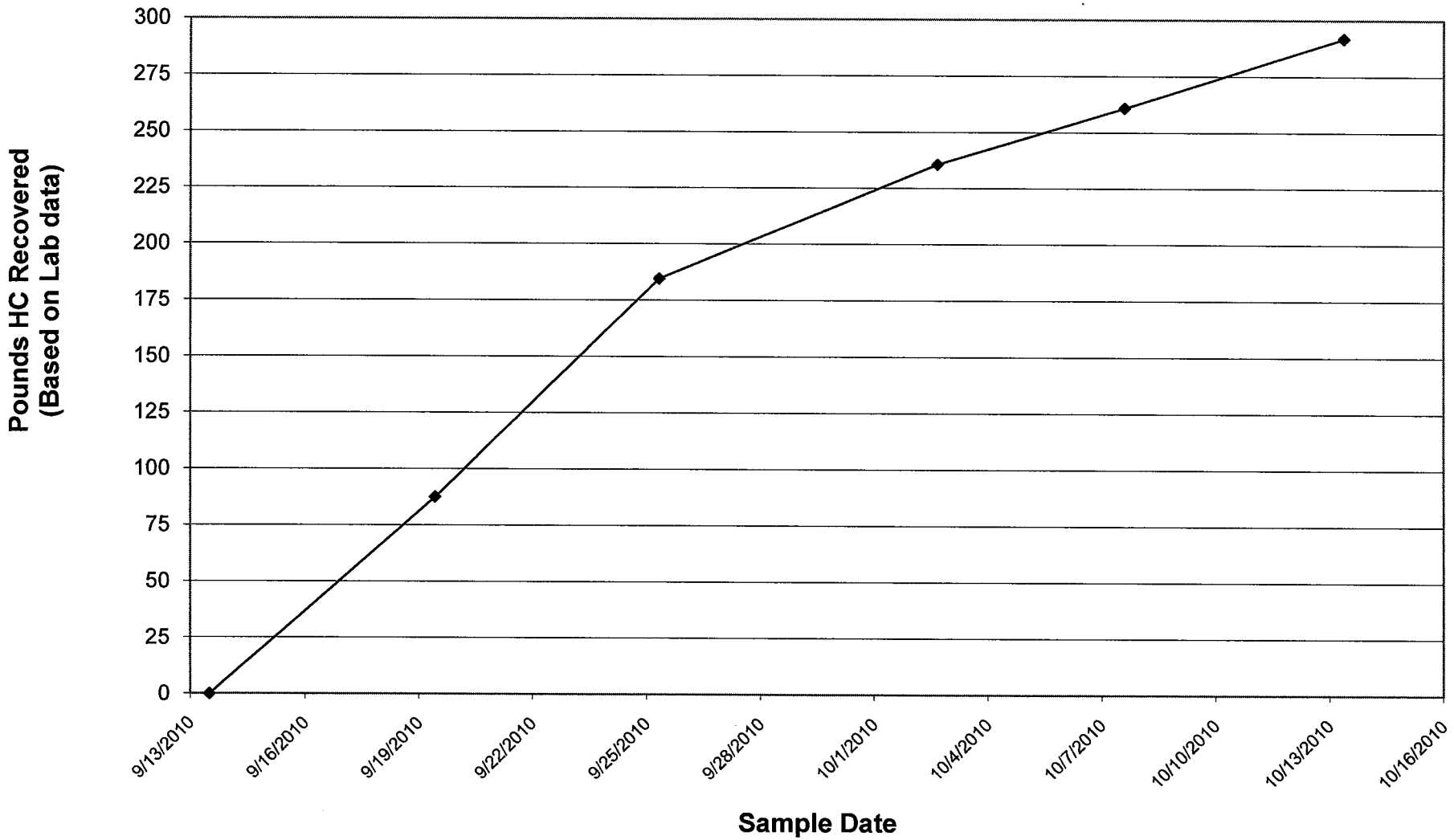


Figure 3
Cumulative HC Recovered Over 30 Days
Thrifty Oil #063, Oakland, CA - 9/13-10/13/10



ATTACHMENT 1

LABORATORY REPORTS

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Thrifty Oil Company (8871)
ATTN: Simon Tregurtha
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 261401
REPORTED 09/17/2010
RECEIVED 09/14/2010

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1110488	TOC #063 MW-4
1110489	TOC #063 Stack

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1110488
Matrix: AIR
Date Sampled: 09/13/2010
Time Sampled: 12:00
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC #063 MW-4

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organics (BTEX) in Air						
Benzene	1510	100	100.0	Vppb	09/15/10	NZ
Ethylbenzene	2690	100	100.0	Vppb	09/15/10	NZ
m,p-Xylene	8200	200	200.0	Vppb	09/15/10	NZ
Methyl t- butyl ether (MTBE)	131	100	100.0	Vppb	09/15/10	NZ
o-Xylene	2010	100	100.0	Vppb	09/15/10	NZ
Toluene	26500	100	100.0	Vppb	09/15/10	NZ
Diisopropyl Ether	ND	200	200.0	Vppb	09/15/10	NZ
Ethyl tert-Butyl Ether	ND	200	200.0	Vppb	09/15/10	NZ
tert-Amyl Methyl Ether	ND	200	200.0	Vppb	09/15/10	NZ
tert-Butanol	ND	200	200.0	Vppb	09/15/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	754	13	62.5	Vppm	09/15/10	SW
Gasoline	3080	13	276.25	ug/L	09/15/10	SW

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

Order #: 1110489
Matrix: AIR
Date Sampled: 09/13/2010
Time Sampled: 12:05
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC #063 Stack

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	ND	1	0.01	Vppm	09/15/10	SW
Ethyl benzene	ND	1	0.01	Vppm	09/15/10	SW
Methyl t - butyl ether	ND	1	0.10	Vppm	09/15/10	SW
Toluene	ND	1	0.01	Vppm	09/15/10	SW
Xylene (total)	0.36	1	0.03	Vppm	09/15/10	SW
Benzene	ND	1	0.03	ug/L	09/15/10	SW
Ethyl benzene	ND	1	0.04	ug/L	09/15/10	SW
Methyl t - butyl ether	ND	1	0.36	ug/L	09/15/10	SW
Toluene	ND	1	0.04	ug/L	09/15/10	SW
Xylene (total)	1.6	1	0.13	ug/L	09/15/10	SW
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	ND	1	5.0	Vppm	09/15/10	SW
Gasoline	ND	1	22.1	ug/L	09/15/10	SW

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES

QA REPORT FORM

QC Sample: 261312-100

Matrix: AIR

Prep. Date : September 15, 2010

Analysis Date: September 15, 2010

Lab ID#'s in Batch: 261312, 261402, 261419, 261456, 261457, 261401, 261294

REPORTING UNITS = Vppm

SAMPLE DUPLICATE RESULT

Test	Method	Sample Result	Sample Duplicate	%RPD
Gas	8015M	642.86	632.10	2
Benzene	8021B	3.43	3.40	1
Toluene	8021B	9.39	9.13	3
Ethylbenzene	8021B	0.68	0.59	14
Xylenes	8021B	11.09	10.61	4

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 20%

ASSOCIATED LABORATORIES

QA REPORT FORM

Method : 8260 AIR

QC Sample: 261401-488

Matrix: Air

Analysis Date: 9/15/2010 - 9/16/2010

Lab ID#'s in Batch: 261132, 261322, 261401, 261419, 261457, 261456, 261323

REPORTING UNITS = Vppb

SAMPLE DUPLICATE RESULT

Test	Sample Result	Sample Duplicate	%RPD
Toluene	26,516	26,139	1
Ethyl benzene	2,690	2,697	0
m,p-Xylenes	8,200	8,104	1
o-Xylene	2,008	2,010	0

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 20%

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Lab Job No. 261401
Page 1 of 1

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: THRIFTY OIL CO	PROJECT NAME:
SEND REPORT TO: SIMON TREGURTHA	NUMBER: TOC#063
EMAIL:	ADDRESS: 6125 TELEGRAPH AVE
ADDRESS:	OAKLAND, CA
	P.O. #:
PHONE:	SAMPLED BY: GABE G.

REQUIRED TURN AROUND TIME: Standard: _____
72 Hours: _____ 48 Hours: _____ 24 Hours: _____

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	TPHG (8015)	BTEX + OXYS (8260B)	BTEX/MTBE (8021B)	Test Instructions & Comments
1	MW-4	9/13/10	1200	AIR	TDLR	NONE	X	X	—	
2	STACK	"	1205	"	"	"	X	—	X	
3										
4										
5										
6										
7										
8										
9	RESULTS IN 72 HRS									
10										
11										email
12										noelshem
13										
14										
15										

Total No. of Samples: 2 Method of Shipment:

Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: 9/14/10 Time: 14:07	Date: 9/14/10 Time: 14:07	Date: Time:	Date: Time:	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Thrifty Oil Company (8871)
ATTN: Simon Tregurtha
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 261750
REPORTED 09/27/2010
RECEIVED 09/20/2010

PROJECT Station #063
6125 Telegraph, Oakland

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1111811	TOC #063 MW-4
1111812	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1111811
Matrix: WATER

Client Sample ID: TOC #063 MW-4
Date Sampled: 09/13/2010 **Time Sampled:** 11:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	09/24/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	09/24/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	09/24/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	09/24/10 RP
Methyl-tert-butylether (MTBE)	37	1.0	1	0.19	ug/L	09/24/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	09/24/10 RP
Tertiary butyl alcohol (TBA)	613	1.0	10	5.2	ug/L	09/24/10 RP
Toluene	ND	1.0	5	0.24	ug/L	09/24/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	09/24/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	101				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	128				%	70 - 135
Surr3 - Toluene-d8	99				%	70 - 135
Surr4 - p-Bromofluorobenzene	99				%	70 - 135
8015B - Gasoline						
Gasoline	54	1.0	50	6.6	ug/L	09/22/10 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	93				%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace

Order #: 1111812 **Client Sample ID:** Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	09/23/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	09/23/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	09/23/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	09/23/10 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	09/23/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	09/23/10 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	09/23/10 RP
Toluene	ND	1.0	5	0.24	ug/L	09/23/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	09/23/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	98				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	124				%	70 - 135
Surr3 - Toluene-d8	99				%	70 - 135
Surr4 - p-Bromofluorobenzene	103				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	09/22/10 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	80				%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: September 22, 2010

Analysis Date 9/22/10-9/23/10

Lab ID#'s in Batch: 261748 , 261703 , 261750 , 261793 , 261662 , 261785 .

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	480	454	96	91	6

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	81
LCS	94
LCSD	95

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Water Sample* 261726-716
Date Prepared: September 23, 2010
Date Analyzed: 9/23-9/24/10
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 261726, 261693, 261848, 261735, 261990, 261748, 261725, 261750, 261703

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	49.2	53.9	98	108	9	22	59 - 172
MTBE	0.00	50.0	56.3	58.1	113	116	3	24	62 - 137
Benzene	0.00	50.0	46.4	48.9	93	98	5	24	62 - 137
Trichloroethene	0.00	50.0	46.8	49.6	94	99	6	21	66 - 142
Toluene	0.00	50.0	45.2	47.7	90	95	5	21	59 - 139
Chlorobenzene	0.00	50.0	46.8	49.1	94	98	5	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	59.4	119	59 - 172
MTBE	50.0	63.5	127	62 - 137
Benzene	50.0	51.5	103	62 - 137
Trichloroethene	50.0	49.4	99	66 - 142
Toluene	50.0	50.4	101	59 - 139
Chlorobenzene	50.0	50.4	101	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	94	98		98	101		102	70 - 135
1,2-Dichloroethane-d4	120	124		104	104		105	70 - 135
Toluene-d8	100	99		101	101		99	70 - 135
p-Bromofluorobenzene	101	103		101	97		94	70 - 135

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Lab Job No. 26175D
Page 1 of 1

REQUIRED TURN AROUND TIME: Standard: X
72 Hours: _____ 48 Hours: _____ 24 Hours: _____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	THRIFTY OIL Co	PROJECT NAME:	
SEND REPORT TO:	SIMON TREGURTHA	NUMBER:	TOC#063
EMAIL:		ADDRESS:	6125 TELEGRAPH
ADDRESS:			OAKLAND, CA
		P.O. #:	
PHONE:		SAMPLED BY:	

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	ANALYSIS REQUEST: TPHG (8015)	BTEX + OXYS (8260B)	Test Instructions & Comments
1	MW-4	9/13/10	1100	W	3 VOA	HCl	X	X	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									email
12									noelshenoi
13									
14									
15									

Total No. of Samples: 1 Method of Shipment: Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name: Henry
Date: 9/20/10 Time:	Date: Time:	Date: Time:	Date: 9-20-10 Time: 1545	Date: Time:	Date: 9-20-10 Time: 16:45

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: TOC
Project: TOC #063
Date Received: 9-20-10
Sampler's Name: ~~Yes~~ No
Sample(s) received in cooler: ~~Yes~~ No (Skip Section 2)
Shipping Information:

Section 2
Was the cooler packed with: X Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other ___
Cooler or box temperature: 4.0 C
(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	X		
Is it properly completed? (IDs, sampling date and time, signature, test)	X		
Were custody seals present?		X	
If Yes – were they intact?			X
Were all samples sealed in plastic bags?	X		
Did all samples arrive intact? If no, indicate below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were correct containers used for the tests required?	X		
Was a sufficient amount of sample sent for tests indicated?	X		
Was there headspace in VOA vials?		X	
Were the containers labeled with correct preservatives?	X		
Was total residual chlorine measured (Fish Bioassay samples only)? *			X

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y ~~N~~ N/A

Completed By: Henry A Date: 9-20-10

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Thrifty Oil Company (8871)
ATTN: Simon Tregurtha
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 261792
REPORTED 09/24/2010
RECEIVED 09/21/2010

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1112038	MW-4

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1112038
Matrix: AIR
Date Sampled: 09/19/2010
Time Sampled: 10:15
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: MW-4

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organics (BTEX) in Air						
Benzene	ND	100	100.0	Vppb	09/22/10	NZ
Ethylbenzene	6540	100	100.0	Vppb	09/22/10	NZ
m,p-Xylene	1740	200	200.0	Vppb	09/22/10	NZ
Methyl t- butyl ether (MTBE)	ND	100	100.0	Vppb	09/22/10	NZ
o-Xylene	319	100	100.0	Vppb	09/22/10	NZ
Toluene	ND	100	100.0	Vppb	09/22/10	NZ
Diisopropyl Ether	ND	200	200.0	Vppb	09/22/10	NZ
Ethyl tert-Butyl Ether	ND	200	200.0	Vppb	09/22/10	NZ
tert-Amyl Methyl Ether	ND	200	200.0	Vppb	09/22/10	NZ
tert-Butanol	ND	200	200.0	Vppb	09/22/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	1720	25	125.0	Vppm	09/21/10	SW
Gasoline	7030	25	552.5	ug/L	09/21/10	SW

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Lab Job No. 261792
Page 1 of 1

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY	THRIFTY OIL CO	PROJECT NAME:	
SEND REPORT TO:	SIMON TREGURTHA	NUMBER:	TOC# 063
EMAIL:		ADDRESS:	6125 TELEGRAPH AVE
ADDRESS:			OAKLAND, CA
		P.O. #:	
PHONE:		SAMPLED BY:	

REQUIRED TURN AROUND TIME: Standard: ____
72 Hours: X 48 Hours: ____ 24 Hours: ____

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH G (8015)	BTEX + OXYS (8260B)	Test Instructions & Comments
1	MW-A	9/19/10	1015	AIR	TEDLAR	NONE	X	X	
2									
3									
4									
5									
6									
7									
8									
9									
10	RESULTS DUE IN 72-HRS								
11									email
12									noelshenai
13									
14									
15									

Total No. of Samples: Method of Shipment:

Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
Signature: Noel Shenai	Signature: M. Eglund	Signature:	Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: 9/21/10 Time: 12:06	Date: 9/21/10 Time: 12:06	Date: Time:	Date: Time:	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Thrifty Oil Company (8871)
ATTN: Simon Tregurtha
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 261793
REPORTED 09/27/2010
RECEIVED 09/21/2010

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1112042	TOC #063 MW-4
1112043	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1112042
Matrix: WATER

Client Sample ID: TOC #063 MW-4
Date Sampled: 09/19/2010 **Time Sampled:** 10:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	09/22/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	09/22/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	09/22/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	09/22/10 RP
Methyl-tert-butylether (MTBE)	50	1.0	1	0.19	ug/L	09/22/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	09/22/10 RP
Tertiary butyl alcohol (TBA)	360	1.0	10	5.2	ug/L	09/22/10 RP
Toluene	ND	1.0	5	0.24	ug/L	09/22/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	09/22/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	93				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	118				%	70 - 135
Surr3 - Toluene-d8	100				%	70 - 135
Surr4 - p-Bromofluorobenzene	105				%	70 - 135
8015B - Gasoline						
Gasoline	184	1.0	50	6.6	ug/L	09/22/10 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	124				%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace

Order #: 1112043 **Client Sample ID:** Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	09/22/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	09/22/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	09/22/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	09/22/10 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	09/22/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	09/22/10 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	09/22/10 RP
Toluene	ND	1.0	5	0.24	ug/L	09/22/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	09/22/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	97				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	127				%	70 - 135
Surr3 - Toluene-d8	101				%	70 - 135
Surr4 - p-Bromofluorobenzene	99				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	09/22/10 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	80				%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: September 22, 2010

Analysis Date 9/22/10-9/23/10

Lab ID#'s in Batch: 261748 , 261703 , 261750 , 261793 , 261662 , 261785 .

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	480	454	96	91	6

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	81
LCS	94
LCSD	95

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Water Sample* 261786-022
Date Prepared: September 21, 2010
Date Analyzed: 9/21-9/22/2010
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 261786, 261737, 261688, 261793, 261742

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	56.0	56.4	112	113	1	22	59 - 172
MTBE	0.00	50.0	53.6	55.6	107	111	4	24	62 - 137
Benzene	0.00	50.0	49.7	51.4	99	103	3	24	62 - 137
Trichloroethene	0.00	50.0	47.3	48.2	95	96	2	21	66 - 142
Toluene	0.00	50.0	48.4	50.6	97	101	4	21	59 - 139
Chlorobenzene	0.00	50.0	49.6	52.2	99	104	5	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	56.5	113	59 - 172
MTBE	50.0	55.3	111	62 - 137
Benzene	50.0	49.6	99	62 - 137
Trichloroethene	50.0	46.9	94	66 - 142
Toluene	50.0	49.4	99	59 - 139
Chlorobenzene	50.0	49.7	99	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec			MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	97			98	101		101	70 - 135
1,2-Dichloroethane-d4	120			104	103		102	70 - 135
Toluene-d8	98			97	100		99	70 - 135
p-Bromofluorobenzene	99			100	96		95	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Water Sample* 261850-298
Date Prepared: September 22, 2010
Date Analyzed: 9/22-9/23/10
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 261503, 261793, 261737, 261850, 261931, 261778, 261779, 261780, 261855, 261849, 261735

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	58.0	61.9	116	124	7	22	59 - 172
MTBE	0.00	50.0	58.1	60.0	116	120	3	24	62 - 137
Benzene	0.00	50.0	51.3	51.7	103	103	1	24	62 - 137
Trichloroethene	0.00	50.0	46.2	48.4	92	97	5	21	66 - 142
Toluene	0.00	50.0	48.5	49.6	97	99	2	21	59 - 139
Chlorobenzene	0.00	50.0	50.4	50.5	101	101	0	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	56.2	112	59 - 172
MTBE	50.0	55.8	112	62 - 137
Benzene	50.0	50.2	100	62 - 137
Trichloroethene	50.0	48.8	98	66 - 142
Toluene	50.0	50.5	101	59 - 139
Chlorobenzene	50.0	50.3	101	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	97	100		103	102		101	70 - 135
1,2-Dichloroethane-d4	127	126		107	108		104	70 - 135
Toluene-d8	101	101		97	98		101	70 - 135
p-Bromofluorobenzene	99	101		98	95		101	70 - 135

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Lab Job No. 261793
Page 1 of 1

REQUIRED TURN AROUND TIME: Standard: ____
72 Hours: X 48 Hours: ____ 24 Hours: ____

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: THRIFTY OIL CO	PROJECT NAME:
SEND REPORT TO: SIMON PREGURTHA	NUMBER: TOC # 063
EMAIL:	ADDRESS: 6125 TELEGRAPH
ADDRESS:	OAKLAND, CA
	P.O. #:
PHONE:	SAMPLED BY:

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	ANALYSIS REQUEST: TPH G (8015)	BTEX + OXYS (8260B)	Test Instructions & Comments
1	MW-4	9/19/10	1030	W	3 VOA	HCl	X	X	
2									
3									
4									
5									
6									
7									
8	RESULTS IN 72 HRS								
9									
10									
11									email
12									noelsheni
13									
14									
15									

Total No. of Samples: Method of Shipment: Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
Signature:	Signature: M. Echeverria	Signature:	Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: 9/21/10 Time: 12:03	Date: 9/21/10 Time: 12:03	Date: Time:	Date: Time:	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: TOC
Date Received: 9-21-10
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: _____
Project: M.E 9- TOC#063
Sampler's Name: Yes No

Section 2
Was the cooler packed with: X Ice X Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other _____
Cooler or box temperature: 4.1 C
(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	X		
Is it properly completed? (IDs, sampling date and time, signature, test)	X		
Were custody seals present?			X
If Yes – were they intact?			X
Were all samples sealed in plastic bags?	X		
Did all samples arrive intact? If no, indicate below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were correct containers used for the tests required?	X		
Was a sufficient amount of sample sent for tests indicated?	X		
Was there headspace in VOA vials?		X	
Were the containers labeled with correct preservatives?	X		
Was total residual chlorine measured (Fish Bioassay samples only)? *			X

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N N/A

Completed By: M. Ebert Date: 9-21-10

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900
FAX 714/538-1209

CLIENT Thrifty Oil Company (8871)
ATTN: Simon Tregurtha
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 262158
REPORTED 09/29/2010
RECEIVED 09/27/2010

PROJECT Station #063
6125 Telegraph, Oakland

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1113685	TOC #063 MW-4

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1113685
Matrix: AIR
Date Sampled: 09/25/2010
Time Sampled: 08:00
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC #063 MW-4

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organics (BTEX) in Air						
Benzene	700	25	25.0	Vppb	09/29/10	NZ
Ethylbenzene	3840	25	25.0	Vppb	09/29/10	NZ
m,p-Xylene	1340	50	50.0	Vppb	09/29/10	NZ
Methyl t- butyl ether (MTBE)	90	25	25.0	Vppb	09/29/10	NZ
o-Xylene	275	25	25.0	Vppb	09/29/10	NZ
Toluene	309	25	25.0	Vppb	09/29/10	NZ
Diisopropyl Ether	ND	50	50.0	Vppb	09/29/10	NZ
Ethyl tert-Butyl Ether	ND	50	50.0	Vppb	09/29/10	NZ
tert-Amyl Methyl Ether	ND	50	50.0	Vppb	09/29/10	NZ
tert-Butanol	289	50	50.0	Vppb	09/29/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	708	13	62.5	Vppm	09/27/10	SW
Gasoline	2890	13	276.25	ug/L	09/27/10	SW

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES

QA REPORT FORM

Method : 8260 AIR

QC Sample: 262158-685

Matrix: Air

Analysis Date: 9/28/2010 - 9/29/2010

Lab ID#'s in Batch: 262068, 262071, 262158, 262193,262239

REPORTING UNITS = Vppb

SAMPLE DUPLICATE RESULT

Test	Sample Result	Sample Duplicate	%RPD
Toluene	309	288	7
Ethyl benzene	3,836	3,737	3
m,p-Xylenes	1,340	1,453	8
o-Xylene	275	250	10

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 20%

ASSOCIATED LABORATORIES

QA REPORT FORM

Method : TO-15

QC Sample: 262061-316

Matrix: AIR

Prep. Date : September 27, 2010

Analysis Date: September 27, 2010

Lab ID#'s in Batch: 262111, 262158, 262142, 262061, 262035, 262101

REPORTING UNITS = Vppb

SAMPLE DUPLICATE RESULT

Test	Method	Sample Result	Sample Duplicate	%RPD
Gas	8015M	1,071.49	991.82	8
Benzene	8021B	12.14	11.47	6
Toluene	8021B	64.02	60.41	6
Ethylbenzene	8021B	10.97	10.39	5
Xylenes	8021B	74.05	69.64	6

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 20%

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Lab Job No. 262158
Page 1 of 1

REQUIRED TURN AROUND TIME: Standard: ____
72 Hours: X 48 Hours: ____ 24 Hours: ____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY	THRIFTY OIL Co	PROJECT NAME:	
SEND REPORT TO:	SIMON TREGURTHA	NUMBER:	TOC#063
EMAIL:		ADDRESS:	6125 TELEGRAPH
ADDRESS:			OAKLAND, CA
		P.O. #:	
PHONE:		SAMPLED BY:	

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	ANALYSIS REQUEST: TPHG (8015)	BTEX + OXYS (8260B)	Test Instructions & Comments
1	MW-4	9/25/10	0800	AIR	TEDLAR	NONE	X	X	
2									
3									
4									
5									
6									
7									
8									
9	RESULTS DUE IN 72 HRS								
10									
11									
12									email
13									noel shenri
14									
15									

Total No. of Samples: Method of Shipment: Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: 9/27/10 Time:	Date: 9-27-10 Time: 13:14	Date: Time:	Date: Time:	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT Thrifty Oil Company (8871)
ATTN: Jack Kosztowny
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 262159
REPORTED 09/29/2010
RECEIVED 09/27/2010

PROJECT Station #063
6125 Telegraph, Oakland

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1113686	TOC #063 MW-4
1113687	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1113686
Matrix: WATER

Client Sample ID: TOC #063 MW-4
Date Sampled: 09/25/2010 **Time Sampled:** 08:45

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	09/29/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	09/29/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	09/29/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	09/29/10 RP
Methyl-tert-butylether (MTBE)	63	1.0	1	0.19	ug/L	09/29/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	09/29/10 RP
Tertiary butyl alcohol (TBA)	370	1.0	10	5.2	ug/L	09/29/10 RP
Toluene	ND	1.0	5	0.24	ug/L	09/29/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	09/29/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	96				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	122				%	70 - 135
Surr3 - Toluene-d8	105				%	70 - 135
Surr4 - p-Bromofluorobenzene	103				%	70 - 135
8015B - Gasoline						
Gasoline	94	1.0	50	6.6	ug/L	09/28/10 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	103				%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace

Order #: 1113687 **Client Sample ID:** Laboratory Method Blank
Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	09/29/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	09/29/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	09/29/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	09/29/10 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	09/29/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	09/29/10 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	09/29/10 RP
Toluene	ND	1.0	5	0.24	ug/L	09/29/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	09/29/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	95				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	118				%	70 - 135
Surr3 - Toluene-d8	104				%	70 - 135
Surr4 - p-Bromofluorobenzene	102				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	09/28/10 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	105				%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Lab Job No. _____
Page 1 of 1

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY	THRIFTY OIL CO	PROJECT NAME:	
SEND REPORT TO:	SIMON TREGURTHA	NUMBER:	TOC # 063
EMAIL:		ADDRESS:	6125 TELEGRAPH
ADDRESS:			
		P.O. #:	
PHONE:		SAMPLED BY:	

REQUIRED TURN AROUND TIME: Standard: _____
72 Hours: X 48 Hours: _____ 24 Hours: _____

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	ANALYSIS REQUEST: TPHG (8015)	BTEX + OXYS (8260B)	Test Instructions & Comments
1	MW-4	9/25/10	0845	W	3 VOA	HCl	X	X	
2									
3									
4									
5									
6									
7									
8	RESULTS IN 72 HRS								
9									
10									
11									
12									email noelshenn
13									
14									
15									

Total No. of Samples: Method of Shipment:

Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: 9/27/10 Time:	Date: 9-27-10 Time: 13:13	Date: Time:	Date: Time:	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Thrifty Oil Company (8871)
ATTN: Simon Tregurtha
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 262513
REPORTED 10/06/2010
RECEIVED 10/04/2010

PROJECT Station #063
6125 Telegraph, Oakland

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1115081	TOC #063 MW-4

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1115081
Matrix: AIR
Date Sampled: 10/02/2010
Time Sampled: 16:00
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC #063 MW-4

8260B Volatile Organics (BTEX) in Air

Analyte	Result	DF	DLR	Units	Date/Analyst	
Benzene	253	50	50.0	Vppb	10/05/10	NZ
Ethylbenzene	2850	50	50.0	Vppb	10/05/10	NZ
m,p-Xylene	2920	100	100.0	Vppb	10/05/10	NZ
Methyl t- butyl ether (MTBE)	116	50	50.0	Vppb	10/05/10	NZ
o-Xylene	1010	50	50.0	Vppb	10/05/10	NZ
Toluene	334	50	50.0	Vppb	10/05/10	NZ
Diisopropyl-Ether	ND	100	100.0	Vppb	10/05/10	NZ
Ethyl tert-Butyl Ether	ND	100	100.0	Vppb	10/05/10	NZ
tert-Amyl Methyl Ether	ND	100	100.0	Vppb	10/05/10	NZ
tert-Butanol	ND	100	100.0	Vppb	10/05/10	NZ

8015B - Gasoline in Air - (Vppm & ug/L)

Gasoline	397	5	25.0	Vppm	10/04/10	SW
Gasoline	1620	5	110.5	ug/L	10/04/10	SW

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES

QA REPORT FORM

QC Sample: 262513-081

Matrix: AIR

Prep. Date : October 4, 2010

Analysis Date: October 4, 2010

Lab ID#'s in Batch: 262515, 262513

REPORTING UNITS = Vppm

SAMPLE DUPLICATE RESULT

Test	Method	Sample Result	Sample Duplicate	%RPD
Gas	8015M	396.63	400.05	1

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 20%

ASSOCIATED LABORATORIES

QA REPORT FORM

Method : 8260 AIR

QC Sample: 262513-081

Matrix: Air

Analysis Date: 10/4/2010 - 10/5/2010

Lab ID#'s in Batch: 262068, 262513, 262515

REPORTING UNITS = Vppb

SAMPLE DUPLICATE RESULT

Test	Sample Result	Sample Duplicate	%RPD
Toluene	334	322	4
Ethyl benzene	2,849	2,755	3
m,p-Xylenes	2,918	2,836	3
o-Xylene	1,007	984	2

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 20%

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Lab Job No. 262513
Page 1 of 1

REQUIRED TURN AROUND TIME: Standard: ~~X~~
72 Hours: X 48 Hours: _____ 24 Hours: _____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY	THRIFTY OIL CO	PROJECT NAME:	
SEND REPORT TO:	SIMON TREGURTHA	NUMBER:	TOC#063
EMAIL:		ADDRESS:	6125 TELEGRAPH
ADDRESS:			OAKLAND, CA
		P.O. #:	
PHONE:		SAMPLED BY:	

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	ANALYSIS REQUEST: TPH-G (8015)	BTEX + OXYS (8260B)	Test Instructions & Comments
1	MW-4	10/2/10	1600	AIR	TEDLAR	NONE	X	X	
2									
3									
4									
5									
6									
7	RESULTS IN 72 HRS								
8									
9									
10									
11									email noelshenn'
12									
13									
14									
15									

Total No. of Samples: 1 Method of Shipment: Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
Signature: Noel Shenn.	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name:	Printed Name: Juan Montoya	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: 10/4/10 Time: 13:05	Date: 10-4-10 Time: 13:05	Date: Time:	Date: Time:	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Thrifty Oil Company (8871)
ATTN: Simon Tregurtha
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 262514
REPORTED 10/11/2010
RECEIVED 10/04/2010

PROJECT Station #063
6125 Telegraph, Oakland

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1115082	TOC #063 MW-4
1115083	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behate, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1115082 **Client Sample ID:** TOC #063 MW-4
Matrix: WATER **Date Sampled:** 10/02/2010 **Time Sampled:** 16:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	10/08/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	10/08/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	10/08/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	10/08/10 RP
Methyl-tert-butylether (MTBE)	68	1.0	1	0.19	ug/L	10/08/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	10/08/10 RP
Tertiary butyl alcohol (TBA)	163	1.0	10	5.2	ug/L	10/08/10 RP
Toluene	ND	1.0	5	0.24	ug/L	10/08/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	10/08/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	95				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	119				%	70 - 135
Surr3 - Toluene-d8	100				%	70 - 135
Surr4 - p-Bromofluorobenzene	98				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	10/05/10 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	98				%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace

Order #: 1115083 **Client Sample ID:** Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	10/08/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	10/08/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	10/08/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	10/08/10 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	10/08/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	10/08/10 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	10/08/10 RP
Toluene	ND	1.0	5	0.24	ug/L	10/08/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	10/08/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	95				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	118				%	70 - 135
Surr3 - Toluene-d8	101				%	70 - 135
Surr4 - p-Bromofluorobenzene	93				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	10/05/10 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	92				%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G5-LCS&LCSD

Matrix: WATER

Prep. Date: October 5, 2010

Analysis Date 10/05/10-10/06/10

Lab ID#'s in Batch: 262470, 262507, 262514, 262516

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	427	429	85	86	0

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	92
LCS	94
LCSD	95

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260, 624, & 524.2 GCMS # 6

Sample ID: *MS/MSD Water Sample* 262224-006
Date Prepared: October 6, 2010
Date Analyzed: 10/6-10/7/10
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 262514, 262398, 262224, 262146, 262402, 262634, 262710, 262634, 262683, 262372, 262503

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	60.8	57.9	122	116	5	22	59 - 172
MTBE	0.00	50.0	55.6	56.2	111	112	1	24	62 - 137
Benzene	0.00	50.0	57.1	55.9	114	112	2	24	62 - 137
Trichloroethene	0.00	50.0	55.8	54.1	112	108	3	21	66 - 142
Toluene	0.00	50.0	56.5	55.7	113	111	1	21	59 - 139
Chlorobenzene	0.00	50.0	51.8	52.5	104	105	1	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	49.9	100	59 - 172
MTBE	50.0	48.8	98	62 - 137
Benzene	50.0	48.4	97	62 - 137
Trichloroethene	50.0	50.0	100	66 - 142
Toluene	50.0	51.5	103	59 - 139
Chlorobenzene	50.0	50.8	102	60 - 133

*=Outside QC limits due to high concentration in sample
If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	101	99		100	101		99	70 - 135
1,2-Dichloroethane-d4	115	109		98	99		90	70 - 135
Toluene-d8	99	103		99	100		103	70 - 135
p-Bromofluorobenzene	106	104		100	102		101	70 - 135

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Water Sample* 262149-657
Date Prepared: October 7, 2010
Date Analyzed: 10/7-10/8/10
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 262149, 262224, 262402, 262514, 262503, 262603, 262595

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	53.3	52.8	107	106	1	22	59 - 172
MTBE	0.00	50.0	56.6	58.2	113	116	3	24	62 - 137
Benzene	0.00	50.0	50.9	50.3	102	101	1	24	62 - 137
Trichloroethene	0.00	50.0	46.9	47.3	94	95	1	21	66 - 142
Toluene	0.00	50.0	50.2	50.0	100	100	0	21	59 - 139
Chlorobenzene	0.00	50.0	49.8	50.6	100	101	2	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	53.2	106	59 - 172
MTBE	50.0	56.2	112	62 - 137
Benzene	50.0	49.7	99	62 - 137
Trichloroethene	50.0	48.4	97	66 - 142
Toluene	50.0	50.0	100	59 - 139
Chlorobenzene	50.0	49.8	100	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec			MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	95			98	97		98	70 - 135
1,2-Dichloroethane-d4	118			104	106		102	70 - 135
Toluene-d8	101			98	101		99	70 - 135
p-Bromofluorobenzene	93			95	94		96	70 - 135

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Lab Job No. 262514
Page X of 1

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY	THRIFTY OIL CO	PROJECT NAME:	
SEND REPORT TO:	SIMON TREGURTHA	NUMBER:	TOC #063
EMAIL:		ADDRESS:	6125 TELEGRAPH
ADDRESS:			OAKLAND
		P.O. #:	
PHONE:		SAMPLED BY:	

REQUIRED TURN AROUND TIME: Standard: ____
72 Hours: X 48 Hours: ____ 24 Hours: ____

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	TPHG (8015)	BTEX + OXYS (8260B)	Test Instructions & Comments
1	MW-4	10/2/10	1610	W	3 VOA	HCl	X	X	
2									
3									
4									
5									
6									
7									
8	RESULTS IN 72 HRS								
9									
10									
11									email
12									noelsherm
13									
14									
15									

Total No. of Samples: 1 Method of Shipment:

Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
Signature: Noel Sherm	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name:	Printed Name: Juan Martorg	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: 10/4/10 Time:	Date: 10-4-10 Time: 13:05	Date: Time:	Date: Time:	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: T.O.C. Project: TOC#063
Date Received: 10-04-10 Sampler's Name: Yes No (N/A)
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: _____

Section 2
Was the cooler packed with: ✓ Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam
___ Paper ___ None ___ Other _____
Cooler or box temperature: 2.0°C

(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	✓		
Is it properly completed? (IDs, sampling date and time, signature, test)	✓		
Were custody seals present?		✓	
If Yes – were they intact?			
Were all samples sealed in plastic bags?	✓		
Did all samples arrive intact? If no, indicate below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were correct containers used for the tests required?	✓		
Was a sufficient amount of sample sent for tests indicated?	✓		
Was there headspace in VOA vials?		✓	
Were the containers labeled with correct preservatives?	✓		
Was total residual chlorine measured (Fish Bioassay samples only)? *			✓

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N (N/A)

Completed By: _____ Date: 10-04-10

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Thrifty Oil Company (8871)
ATTN: Simon Tregurtha
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 262978
REPORTED 10/13/2010
RECEIVED 10/08/2010

PROJECT Station #063
6125 Telegraph, Oakland

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1116917	TOC #063 MW-4

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1116917
Matrix: AIR
Date Sampled: 10/07/2010
Time Sampled: 14:15
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC #063 MW-4

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organics (BTEX) in Air						
Benzene	ND	25	25.0	Vppb	10/12/10	NZ
Ethylbenzene	1110	25	25.0	Vppb	10/12/10	NZ
m,p-Xylene	1150	50	50.0	Vppb	10/12/10	NZ
Methyl t- butyl ether (MTBE)	78	25	25.0	Vppb	10/12/10	NZ
o-Xylene	311	25	25.0	Vppb	10/12/10	NZ
Toluene	ND	25	25.0	Vppb	10/12/10	NZ
Diisopropyl Ether	ND	50	50.0	Vppb	10/12/10	NZ
Ethyl tert-Butyl Ether	ND	50	50.0	Vppb	10/12/10	NZ
tert-Amyl Methyl Ether	ND	50	50.0	Vppb	10/12/10	NZ
tert-Butanol	ND	50	50.0	Vppb	10/12/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	376	10	50.0	Vppm	10/08/10	SW
Gasoline	1540	10	221.0	ug/L	10/08/10	SW

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES

QA REPORT FORM

QC Sample: 262872-639

Matrix: AIR

Prep. Date : October 8, 2010

Analysis Date: October 8, 2010

Lab ID#'s in Batch: 262873, 262871, 262812, 262872, 262849, 262978

REPORTING UNITS = Vppm

SAMPLE DUPLICATE RESULT

Test	Method	Sample Result	Sample Duplicate	%RPD
Gas	8015M	100.33	107.01	6
Benzene	8021B	ND	ND	0
Toluene	8021B	0.58	0.60	3
Ethylbenzene	8021B	0.67	0.71	6
Xylenes	8021B	9.67	10.25	6

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 20%

ASSOCIATED LABORATORIES

QA REPORT FORM

Method : 8260 AIR

QC Sample: 262873-643

Matrix: Air

Analysis Date: 10/9/2010 - 10/9/2010

Lab ID#'s in Batch: 262849, 262873, 262978,

REPORTING UNITS = Vppb

SAMPLE DUPLICATE RESULT

Test	Sample Result	Sample Duplicate	%RPD
Toluene	101	97	4
Ethyl benzene	907	957	5
m,p-Xylenes	17,436	18,191	4
o-Xylene	11,612	12,265	5

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 20%

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Lab Job No. 26 7 18
Page 1 of 1

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY	THRIFTY OIL CO	PROJECT NAME:	~~TOC#~~
SEND REPORT TO:	SIMON TREGURTHA	NUMBER:	TOC # 063
EMAIL:		ADDRESS:	6125 TELEGRAPH
ADDRESS:			OAKLAND, CA
		P.O. #:	
PHONE:		SAMPLED BY:	

REQUIRED TURN AROUND TIME: Standard: ____
72 Hours: X 48 Hours: ____ 24 Hours: ____

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	ANALYSIS REQUEST: TPHG (8015)	BTEX + OXYS (8260B)	Test Instructions & Comments
1	MW-A	10/7/10	1415	AIR	TEDLAR	NONE	X	X	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									EMAIL
13									NOEL SHENOI
14									
15									

Total No. of Samples: Method of Shipment: Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
NOEL SHENOI					
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: 10/8/10 Time: 1455	Date: 10/8/10 Time: 14:55	Date: Time:	Date: Time:	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Thrifty Oil Company (8871)
ATTN: Simon Tregurtha
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 263015
REPORTED 10/13/2010
RECEIVED 10/08/2010

PROJECT Station #063
6125 Telegraph, Oakland

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1117051	TOC #063 MW-4
1117052	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1117051 **Client Sample ID:** TOC #063 MW-4

Matrix: WATER **Date Sampled:** 10/07/2010 **Time Sampled:** 14:45

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	10/13/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	10/13/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	10/13/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	10/13/10 RP
Methyl-tert-butylether (MTBE)	67	1.0	1	0.19	ug/L	10/13/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	10/13/10 RP
Tertiary butyl alcohol (TBA)	242	1.0	10	5.2	ug/L	10/13/10 RP
Toluene	ND	1.0	5	0.24	ug/L	10/13/10 RP
Xylenes, total	2.0J	1.0	5	0.45	ug/L	10/13/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	91				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	110				%	70 - 135
Surr3 - Toluene-d8	97				%	70 - 135
Surr4 - p-Bromofluorobenzene	96				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	10/12/10 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	108				%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace

Order #: 1117052 **Client Sample ID:** Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	10/13/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	10/13/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	10/13/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	10/13/10 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	10/13/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	10/13/10 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	10/13/10 RP
Toluene	ND	1.0	5	0.24	ug/L	10/13/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	10/13/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	91				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	116				%	70 - 135
Surr3 - Toluene-d8	98				%	70 - 135
Surr4 - p-Bromofluorobenzene	97				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	10/11/10 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	104				%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G5-LCS&LCSD

Matrix: WATER

Prep. Date: October 11, 2010

Analysis Date 10/11/10-10/12/10

Lab ID#'s in Batch: 262754 , 262863 , 263015 , 263019 , 263020 , 263021 , 263069 .

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	462	474	92	95	3

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	104
LCS	103
LCSD	104

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Water Sample* 263069-242
Date Prepared: October 11, 2010
Date Analyzed: October 11, 2010
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 262503, 263069, 262971, 263015, 262389, 262967

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	57.6	54.4	115	109	6	22	59 - 172
MTBE	0.00	50.0	56.9	54.7	114	109	4	24	62 - 137
Benzene	0.00	50.0	49.3	50.2	99	100	2	24	62 - 137
Trichloroethene	0.00	50.0	46.9	46.9	94	94	0	21	66 - 142
Toluene	0.00	50.0	47.6	49.6	95	99	4	21	59 - 139
Chlorobenzene	0.00	50.0	49.0	50.5	98	101	3	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	50.0	100	59 - 172
MTBE	50.0	51.4	103	62 - 137
Benzene	50.0	48.5	97	62 - 137
Trichloroethene	50.0	42.9	86	66 - 142
Toluene	50.0	46.8	94	59 - 139
Chlorobenzene	50.0	47.9	96	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec			MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	92			102	99		99	70 - 135
1,2-Dichloroethane-d4	112			102	103		105	70 - 135
Toluene-d8	98			98	99		97	70 - 135
p-Bromofluorobenzene	98			88	90		95	70 - 135

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Lab Job No. 263015
Page 1 of 1

REQUIRED TURN AROUND TIME: Standard: ____
72 Hours: X 48 Hours: ____ 24 Hours: ____

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY	THRIFTY OIL CO	PROJECT NAME:	TOC# 063
SEND REPORT TO:	SIMON TREGURTHA	NUMBER:	
EMAIL:		ADDRESS:	6125 TELEGRAPH
ADDRESS:			OAKLAND, CA
		P.O. #:	
PHONE:		SAMPLED BY:	

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	ANALYSIS REQUEST: TPHG (8015)	BTEX + OXYS (8260B)	Test Instructions & Comments
1	MW-4	10/7/10	1445	W	3 VOA	HCl	X	X	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									EMAIL
13									NOSE SHENOI
14									
15									

Total No. of Samples: 1 Method of Shipment:

Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
NOSE SHENOI					
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: 10/8/10 Time: 1455	Date: 10/8/10 Time: 14:55	Date: Time:	Date: Time:	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Thrifty
Date Received: 10/8/10
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information:
Project: #063
Sampler's Name: (Yes) No

Section 2
Was the cooler packed with: ___ Ice X Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other ___
Cooler or box temperature: 4.2C
(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	X		
Is it properly completed? (IDs, sampling date and time, signature, test)	X		
Were custody seals present?			X
If Yes – were they intact?			X
Were all samples sealed in plastic bags?	X		
Did all samples arrive intact? If no, indicate below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were correct containers used for the tests required?	X		
Was a sufficient amount of sample sent for tests indicated?	X		
Was there headspace in VOA vials?		X	
Were the containers labeled with correct preservatives?	X		
Was total residual chlorine measured (Fish Bioassay samples only)? *			X

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N N/A

Completed By: M. Ehat Date: 10/8/10

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 FAX 714/538-1209

CLIENT Thrifty Oil Company (8871)
ATTN: Larry Higinbotham
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 263364
REPORTED 10/18/2010
RECEIVED 10/15/2010

PROJECT Station #063
6125 Telegraph, Oakland

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1118380	TOC #063 MW-4

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1118380
Matrix: AIR
Date Sampled: 10/13/2010
Time Sampled: 09:00
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC #063 MW-4

Analyte	Result	DF	DLR	Units	Date/Analyst	
8260B Volatile Organics (BTEX) in Air						
Benzene	ND	50	50.0	Vppb	10/15/10	NZ
Ethylbenzene	593	50	50.0	Vppb	10/15/10	NZ
m,p-Xylene	825	100	100.0	Vppb	10/15/10	NZ
Methyl t- butyl ether (MTBE)	83	50	50.0	Vppb	10/15/10	NZ
o-Xylene	204	50	50.0	Vppb	10/15/10	NZ
Toluene	ND	50	50.0	Vppb	10/15/10	NZ
Diisopropyl Ether	ND	100	100.0	Vppb	10/15/10	NZ
Ethyl tert-Butyl Ether	ND	100	100.0	Vppb	10/15/10	NZ
tert-Amyl Methyl Ether	ND	100	100.0	Vppb	10/15/10	NZ
tert-Butanol	ND	100	100.0	Vppb	10/15/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	386	10	50.0	Vppm	10/15/10	SW
Gasoline	1580	10	221.0	ug/L	10/15/10	SW

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Lab Job No. _____
Page 1 of 1

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY	THRIFTY OIL CO	PROJECT NAME:	TOC# 063
SEND REPORT TO:	SIMON TREGURTHA	NUMBER:	
EMAIL:		ADDRESS:	6125 TELEGRAPH
ADDRESS:			OAKLAND, CA
		P.O. #:	
PHONE:		SAMPLED BY:	

REQUIRED TURN AROUND TIME: Standard: X
72 Hours: _____ 48 Hours: _____ 24 Hours: _____

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	TPHG (8015)	BTEX + OXYS (8260B)	Test Instructions & Comments
1	MW-A	10/13/10	0900	AIR	TDLR	NONE	X	X	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									EMAIL
13									NOEL SHENOI
14									
15									

Total No. of Samples: Method of Shipment: Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
NOEL SHENOI	ASL				
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name:	Printed Name: Juan Montoya	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: 10/14/10 Time:	Date: 10-14-10 Time: 16:45	Date: Time:	Date: Time:	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia - Orange, California 92868 - 714/771-6900 *FAX 714/538-1209*

CLIENT Thrifty Oil Company (8871)
ATTN: Simon Tregurtha
13116 Imperial Hwy.
P.O. Box 2128
Santa Fe Springs, CA 90670

LAB REQUEST 263367
REPORTED 10/20/2010
RECEIVED 10/14/2010

PROJECT Station #036
6125 Telegraph, Oakland

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

Order No.	Client Sample Identification
1118381	TOC #063 MW-4
1118382	Laboratory Method Blank

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing , all samples will be discarded by appropriate disposal protocol 30 days from date reported.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 1118381 **Client Sample ID:** TOC #063 MW-4

Matrix: WATER **Date Sampled:** 10/13/2010 **Time Sampled:** 09:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	10/16/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	10/16/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	10/16/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	10/16/10 RP
Methyl-tert-butylether (MTBE)	71	1.0	1	0.19	ug/L	10/16/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	10/16/10 RP
Tertiary butyl alcohol (TBA)	192	1.0	10	5.2	ug/L	10/16/10 RP
Toluene	ND	1.0	5	0.24	ug/L	10/16/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	10/16/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	92				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	119				%	70 - 135
Surr3 - Toluene-d8	99				%	70 - 135
Surr4 - p-Bromofluorobenzene	96				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	10/16/10 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	70				%	60 - 140

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
ND = Not detected below indicated MDL, J=Trace

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: G1-LCS&LCSD

Matrix: WATER

Prep. Date: October 16, 2010

Analysis Date 10/16/10-10/17/10

Lab ID#'s in Batch: 263367 , 263338 , 263341 .

LAB CONTROLLED SPIKE / LAB CONTROLLED DUPLICATE RESULT

Reporting Units = µg/L

Test	Method	Method Blank	Spike Added	LCS Spike	LCSD Spk. Dup	%Rec LCS	%Rec LCSD	RPD
TPH	8015M-G	ND	500	451	436	90	87	3

ND = Not Detected
LCS Result = Lab Control Sample Result
%REC-LCS & LCSD = Percent Recovery of LCS Spike & LCS Spike Duplicate
RPD = Relative Percent Difference of LCS Spike and LCS Spike Duplicate

%REC LIMITS = 70 - 130
RPD LIMITS = 30

SURROGATE RECOVERY

Sample No.	BFB
QC Limit	60-140
Method Blank	75
LCS	88
LCSD	91

BFB = p-Bromofluorobenzene

ASSOCIATED LABORATORIES

QA / QC EPA Methods 8260 - GCMS # 5

Sample ID: *MS/MSD Water Sample* 263197-810
Date Prepared: October 15, 2010
Date Analyzed: October 16, 2010
Sample Matrix: Water
Units: µg/L

Lab ID#'s in Batch: 263197, 263341, 263367, 263299, 263321

Compound	Sample Conc.	Spike Added	Spike Res	Dup Res	Spike % Rec	Dup % Rec	RPD	QC RPD	Limits % Rec
1,1-Dichloroethene	0.00	50.0	54.4	51.7	109	103	5	22	59 - 172
MTBE	0.00	50.0	54.6	53.5	109	107	2	24	62 - 137
Benzene	0.00	50.0	48.2	48.9	96	98	1	24	62 - 137
Trichloroethene	0.00	50.0	47.5	46.7	95	93	2	21	66 - 142
Toluene	0.00	50.0	49.3	48.0	99	96	3	21	59 - 139
Chlorobenzene	0.00	50.0	48.6	48.4	97	97	0	21	60 - 133

Sample ID: *LCS*

Compound	Spike Added	Spike Res	Spike % Rec	Limits % Rec
1,1-Dichloroethene	50.0	46.9	94	59 - 172
MTBE	50.0	54.8	110	62 - 137
Benzene	50.0	45.0	90	62 - 137
Trichloroethene	50.0	41.9	84	66 - 142
Toluene	50.0	45.3	91	59 - 139
Chlorobenzene	50.0	47.2	94	60 - 133

*=Outside QC limits due to high concentration in sample

If Sample Result > 4 times Spike Added, then "NC"

Surrogate Recovery

Compound	MB 1 % Rec	MB 2 % Rec		MS % Rec	MSD % Rec		LCS % Rec	Limits % Rec
Dibromofluoromethane	92	90		99	99		99	70 - 135
1,2-Dichloroethane-d4	115	120		104	106		105	70 - 135
Toluene-d8	98	97		101	101		98	70 - 135
p-Bromofluorobenzene	96	92		94	94		92	70 - 135

ASSOCIATED LABORATORIES
806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209

Chain of Custody Record

Lab Job No. 263367
Page 1 of 1

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY	THRIFTY OIL CO	PROJECT NAME:	TOC# 063
SEND REPORT TO:	SIMON TREGURTHA	NUMBER:	
EMAIL:		ADDRESS:	6125 TELEGRAPH
ADDRESS:			OAKLAND
		P.O. #:	
PHONE:		SAMPLED BY:	

REQUIRED TURN AROUND TIME: Standard: X
72 Hours: _____ 48 Hours: _____ 24 Hours: _____

	Sample ID	Date	Time	Matrix	Container Number/Size	Pres.	ANALYSIS REQUEST: TPHG (8015)	BTEX + OXYS (8260B)	Test Instructions & Comments
1	MW-4	10/13/10	0930	W	3 VOA	HCl	X	X	
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									EMAIL
13									NOEL SHENDI
14									
15									

Total No. of Samples: 1 Method of Shipment:

Preservative: 1= Ice 2 =HCl 3 =HNO_3 4 =H_2SO_4 5 =NaOH 6 =Other

Relinquished by 1.	Received By: 1.	Relinquished by 2.	Received By: 2.	Relinquished by 3.	Received By: 3.
NOEL SHENDI	ASL				
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name:	Printed Name: Juan Martaga	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Date: 10/14/10 Time:	Date: 10-14-10 Time: 16:45	Date: Time:	Date: Time:	Date: Time:	Date: Time:

Distribution: White - Laboratory Canary - Laboratory Pink - Project/Account Manager Goldenrod - Sampler/Originator

ASSOCIATED LABORATORIES
806 North Batavia – Orange, California 92868 – 714-771-6900 *FAX 714-538-1209*

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: TOC
Date Received: 10/14/10
Sample(s) received in cooler: ~~Yes~~ No (Skip Section 2)
Shipping Information:

Project: #063
Sampler's Name: ~~Yes~~ No

Section 2
Was the cooler packed with: Y Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other___
Cooler or box temperature: 4.0C
(Acceptance range is 2 to 6 Deg. C.)

Section 3	YES	NO	N/A
Was a COC received?	Y		
Is it properly completed? (IDs, sampling date and time, signature, test)	Y		
Were custody seals present?			X
If Yes – were they intact?			Y
Were all samples sealed in plastic bags?	X		
Did all samples arrive intact? If no, indicate below.	X		
Did all bottle labels agree with COC? (ID, dates and times)	X		
Were correct containers used for the tests required?	X		
Was a sufficient amount of sample sent for tests indicated?	X		
Was there headspace in VOA vials?		X	
Were the containers labeled with correct preservatives?	X		
Was total residual chlorine measured (Fish Bioassay samples only)? *			X

*: If the answer is no, please inform Fish Bioassay Dept. immediately.

Section 4
Explanations/Comments

Section 5
Was Project Manager notified of discrepancies: Y / N N/A

Completed By: M. Eberhardt Date: 10/14/10

ATTACHMENT 2

HIGH VACUUM DUAL PHASE EXTRACTION SYSTEM
FIELD DATA SHEETS

797

HIGH VACUUM [ ] SVE or [X] DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: **6125 TELEGRAPH AVENUE** City: **OAKLAND** Site #: **THRIFTY #063** Date: 9/13/2010 Page 1 of 16

Client: **THRIFTY OIL CO.** Operator (s): Gabe Supervisor: From: To:

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-4									MW-1		MW-3		MW-7		MW-8		Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)				9 - 29									15 - 30		15 - 30		8 - 18		8 - 18			
	Initial Depth To Water DTW (ft)				15.10									14.35		14.34		14.75		13.30			
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	units	gals
					ON		28'															2489720	
1130	23	33	1401	793										0.00	14.35	0.00	14.34	0.00	14.75	0.00	13.30		
1200	23	31	1403	763										0.00	14.35	0.00	14.35	0.00	14.76	0.00	13.30		
1300	23	34	1401	757										0.00	14.35	0.01	14.35	0.00	14.76	0.00	13.30		
1400	23	36	1404	769										0.00	14.37	0.00	14.36	0.00	14.83	0.00	13.30		
1500	23	38	628	787										0.00	14.38	0.00	14.36	0.00	14.91	0.00	13.31		
1600	23	37	631	774										0.00	14.40	0.02	14.37	0.00	14.97	0.00	13.32		
1700	23	39	633	769										0.00	14.41	0.00	14.38	0.00	15.03	0.00	13.34		
1800	23	37	625	764										0.00	14.43	0.01	14.41	0.00	15.09	0.00	13.34		
1900	23	36	631	768										0.00	14.45	0.01	14.43	0.00	15.21	0.00	13.35		
2000	23	38	628	763										0.00	14.61	0.01	14.46	0.00	15.32	0.00	13.35	2489920	200
2100	23	33	621	761										0.00	14.78	0.00	14.48	0.00	15.44	0.00	1336		
2200	23	35	632	760										0.00	14.84	0.00	14.51	0.00	15.58	0.00	13.36		
2300	23	34	638	758										0.00	14.99	0.01	14.58	0.00	15.62	0.00	13.37		
2400	23	38	629	756										0.00	15.28	0.01	14.61	0.00	15.73	0.00	13.37		

Comments: 9/13/10 - WATER SAMPLES OF MW-4 @1100. VAPOR SAMPLE OF MW-4 @1200 (763 PPMV). STACK SAMPLE @ 120
9/13 - switched to Catalytic mode @ 1500.

797

HIGH VACUUM [ ] SVE or [X] DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: 6125 TELEGRAPH AVENUE City: OAKLAND Site #: THRIFTY #063 Date: 9/14/2010 Page 2 of 16

Client: THRIFTY OIL CO. Operator (s): Gabe Supervisor: From: To:

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-4									MW-1		MW-3		MW-7		MW-8		Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)				9 - 29									15 - 30		15 - 30		8 - 18		8 - 18			
	Initial Depth To Water DTW (ft)				15.10									14.35		14.34		14.75		13.30			
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	units	gals
9/14					ON		28																
0000	23	39	628	756																			
0400	23	41	637	751																			
0800	23	43	634	748		27.38								0.00	16.01	0.01	14.72	0.00	16.28	0.00	13.40	2490160	440
1200	23	40	629	742																			
1600	23	39	635	740																			
2000	23	38	631	737										0.00	16.09	0.01	14.75	0.00	16.37	0.00	13.41	2490460	740
9/15																							
0000	23	35	635	732																			
0400	23	41	648	728																			
0800	23	36	625	725		27.51								0.00	16.18	0.02	14.79	0.00	16.43	0.00	13.43	2490730	1010
1200	23	35	639	720																			
1600	23	38	641	716																			
2000	23	41	643	710										0.00	16.21	0.01	14.85	0.00	16.47	0.00	13.45	2490980	1260

Comments:

797

HIGH VACUUM [ ] SVE or [X] DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: **6125 TELEGRAPH AVENUE** City: **OAKLAND** Site #: **THRIFTY #063** Date: 9/16/2010 Page 3 of 16

Client: **THRIFTY OIL CO.** Operator (s): Gabe Supervisor: From: To:

		EXTRACTION WELLS												OBSERVATION WELLS									
	Well I.D.	MW-4												MW-1		MW-3		MW-7		MW-8		Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)	9 - 29												15 - 30		15 - 30		8 - 18		8 - 18			
	Initial Depth To Water DTW (ft)	15.10												14.35		14.34		14.75		13.30			
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	units	gals
9/16					ON		28																
0000	23	38	651	701																			
0400	23	44	647	694																			
0800	23	39	639	685		27.04								0.00	16.31	0.00	14.93	0.00	16.51	0.00	13.49	249210	1490
1200	23	35	643	681																			
1600	23	39	651	671																			
2000	23	37	649	665										0.00	16.30	0.00	14.95	0.00	16.51	0.00	13.47	249140	1720
9/17																							
0000	23	39	651	661																			
0400	23	41	647	657																			
0800	23	42	639	659		26.91								0.00	16.38	0.01	14.99	0.00	16.53	0.00	13.52	249690	1970
1200	23	41	651	653																			
1600	23	38	648	645																			
2000	23	38	650	632										0.00	16.43	0.01	15.03	0.00	16.55	0.00	13.54	249860	2140

Comments:

797

HIGH VACUUM [ ] SVE or [X] DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: **6125 TELEGRAPH AVENUE** City: **OAKLAND** Site #: **THRIFTY #063** Date: 9/18/2010 Page 4 of 16

Client: **THRIFTY OIL CO.** Operator (s): Gabe / Frank Supervisor: _____ From: _____ To: _____

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-4									MW-1		MW-3		MW-7		MW-8			
	Screen Interval: From-To (ft)				9 - 29									15 - 30		15 - 30		8 - 18		8 - 18			
	Initial Depth To Water DTW (ft)				15.10									14.35		14.34		14.75		13.30			
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Water Meter Readings	Cumul. Water Extracted
																						units	gals
9/18					ON		28-																
0000	23	38	647	621																			
0400	23	39	651	627																			
0800	23	35	648	608		26.90								0.00	16.39	0.01	15.00	0.00	16.57	0.00	13.47	2492850	2430
1200	23	41	650	615																			
1600	23	38	650	612																			
2000	23	43	648	601										0.00	16.45	0.01	15.06	0.00	16.61	0.00	13.52	2492340	2620
9/19																							
0000	23	37	650	599																			
0400	23	39	648	593																			
0800	23	42	639	585		26.95								0.00	16.46	0.00	15.03	0.00	16.59	0.00	13.50	2492600	2880
1200	23	39	645	621																			
1600	23	36	659	600																			
2000	23	37	650	578										0.00	16.59	0.00	14.93	0.00	16.68	0.00	13.59	2492710	2990

Comments: 9/19 - Took Vapor samples @ 1015 (615 ppmv). Took influent water samples @ 1030.

797

HIGH VACUUM [ ] SVE or [X] DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: **6125 TELEGRAPH AVENUE** City: **OAKLAND** Site #: **THRIFTY #063** Date: 9 /20/ 2010 Page 5 of 16

Client: **THRIFTY OIL CO.** Operator (s): Frank Supervisor: From: To:

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-4									MW-1		MW-3		MW-7		MW-8			
	Screen Interval: From-To (ft)				9 - 29									15 - 30		15 - 30		8 - 18		8 - 18		Water Meter Readings	Cumul. Water Extracted
	Initial Depth To Water DTW (ft)				15.10									14.35		14.34		14.75		13.30			
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	units	gals
9/20					ON		28-																
0000	23	40	653	552																			
0400	23	34	660	544																			
0800	23	37	659	523		27.02								0.00	17.05	0.00	14.38	0.01	16.93	0.00	13.58	2492910	3190
1200	21	35	651	560																			
1600	21	42	650	575																			
2000	21	38	654	512										0.00	16.90	0.00	15.00	0.00	16.95	0.00	13.54	2493100	3380
9/21																							
0000	21	36	651	500																			
0400	21	39	656	480																			
0800	21	43	651	492		26.96								0.00	16.96	0.00	15.03	0.01	16.91	0.00	13.59	2493300	3580
1200	21	37	652	602																			
1600	21	42	656	525																			
2000	21	36	650	596										0.00	16.83	0.00	14.46	0.00	16.95	0.00	13.54	2493510	3790

Comments:

797

HIGH VACUUM [ ] SVE or [X] DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: **6125 TELEGRAPH AVENUE** City: **OAKLAND** Site #: **THRIFTY #063** Date: 9/22/2010 Page 6 of 16

Client: **THRIFTY OIL CO.** Operator (s): Frank Supervisor: From: To:

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-4									MW-1		MW-3		MW-7		MW-8		Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)				9 - 29									15 - 30		15 - 30		8 - 18		8 - 18			
	Initial Depth To Water DTW (ft)				15.10									14.35		14.34		14.75		13.30			
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	units	gals
9/22					ON		28																
0000	21	39	650	605																			
0400	21	35	650	581																			
0800	21	42	654	549		27.07								0.00	16.92	0.00	14.63	0.00	16.92	0.00	13.61	2493710	3990
1200	21	38	660	700																			
1600	21	41	653	560																			
2000	21	37	651	507										0.00	16.60	0.00	14.51	0.01	16.98	0.00	13.55	2493880	4160
9/23																							
0000	21	36	650	440																			
0400	21	38	652	563																			
0800	21	35	650	624		27.14								0.00	16.55	0.00	14.55	0.01	16.99	0.00	13.60	2494080	4360
1200	21	43	659	651																			
1600	21	37	655	603																			
2000	21	39	651	572										0.00	16.71	0.00	14.60	0.00	17.00	0.00	13.62	2494310	4590

Comments:

797

HIGH VACUUM [ ] SVE or [X] DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: 6125 TELEGRAPH AVENUE City: OAKLAND Site #: THRIFTY #063 Date: 9/24/2010 Page 7 of 16

Client: THRIFTY OIL CO. Operator (s): Frank Supervisor: From: To:

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-4									MW-1		MW-3		MW-7		MW-8			
	Screen Interval: From-To (ft)				9 - 29									15 - 30		15 - 30		8 - 18		8 - 18			
	Initial Depth To Water DTW (ft)				15.10									14.35		14.34		14.75		13.30			
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Water Meter Readings	Cumul. Water Extracted
																						units	gals
9/24					ON		28-																
0000	21	35	650	552																			
0400	21	41	649	560																			
0800	21	38	657	579		27.26								0.00	16.74	0.00	14.62	0.01	16.98	0.00	13.61	2494510	4790
1200	21	40	650	559																			
1600	21	36	665	531																			
2000	21	39	655	511										0.00	16.73	0.00	14.65	0.00	17.01	0.00	13.63	2494720	5000
9/25																							
0000	21	35	650	515																			
0400	21	39	650	526																			
0800	21	41	652	550		27.30								0.00	16.71	0.00	14.60	0.01	16.97	0.00	13.64	2494930	5210
1200	21	36	652	539																			
1600	21	38	650	520																			
2000	21	35	656	506										0.00	16.63	0.01	14.62	0.00	16.95	0.00	13.61	2495130	5410

Comments: 9-25-2010 Took vapor samps. & Water samps. as follows: MW-4@0800(624 ppmv), INFLUENT Water Sample of MW-4@
→0845

797

HIGH VACUUM [ ] SVE or [X] DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: 6125 TELEGRAPH AVENUE City: OAKLAND Site #: THRIFTY #063 Date: 9/26/2010 Page 8 of 16

Client: THRIFTY OIL CO. Operator (s): Frank Supervisor: From: To:

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-4									MW-1		MW-3		MW-7		MW-8		Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)				9 - 29									15 - 30		15 - 30		8 - 18		8 - 18			
	Initial Depth To Water DTW (ft)				15.10									14.35		14.34		14.75		13.80			
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	units	gals
9/26					ON		28																
0000	21	43	651	493																			
0400	21	39	654	486																			
0800	21	41	650	510		27.39								0.00	16.59	0.01	14.65	0.00	16.99	0.00	13.63	2495360	5640
1200	21	36	650	455																			
1600	21	37	655	431																			
2000	21	40	649	403										0.00	16.61	0.01	14.68	0.00	17.01	0.00	13.62	2495580	5860
9/27																							
0000	21	35	651	415																			
0400	21	37	656	411																			
0800	21	35	650	372		27.45								0.00	16.70	0.01	14.71	0.00	17.00	0.00	13.61	2495730	6060
1200	21	38	655	354																			
1600	21	36	658	376																			
2000	21	43	651	413										0.00	16.73	0.00	14.73	0.00	16.92	0.00	13.60	2495910	6190

Comments:

797

HIGH VACUUM [ ] SVE or [X] DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: 6125 TELEGRAPH AVENUE City: OAKLAND Site #: THRIFTY #063 Date: 09/28/2010 Page 9 of 16

Client: THRIFTY OIL CO. Operator (s): Frank Supervisor: From: To:

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-4									MW-1		MW-3		MW-7		MW-8		Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)				9 - 29									15 - 30		15 - 30		8 - 18		8 - 18			
	Initial Depth To Water DTW (ft)				15.10									14.35		14.34		14.75		13.80			
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	units	gals
9/28					ON		28																
0000	21	45	650	396																			
0400	21	36	652	381																			
0800	21	42	650	349		27.50								0.00	16.76	0.00	14.74	0.00	16.92	0.00	13.65	2496120	6401
1200	21	37	652	300																			
1600	21	40	666	281																			
2000	21	42	658	302										0.00	16.69	0.00	14.70	0.00	16.94	0.00	13.63	2496300	6580
9/29																							
0000	21	35	652	296																			
0400	21	40	658	265																			
0800	21	36	650	284		27.55								0.00	16.74	0.01	14.75	0.00	17.02	0.00	13.76	2496520	6800
1200	21	35	655	262																			
1600	21	39	660	240																			
2000	21	41	657	223										0.00	16.71	0.00	14.81	0.00	16.99	0.00	13.67	2496720	7000

Comments:

797

HIGH VACUUM [ ] SVE or [X] DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: **6125 TELEGRAPH AVENUE** City: **OAKLAND** Site #: **THRIFTY #063** Date: 09/30 2010 Page 10 of 16

Client: **THRIFTY OIL CO.** Operator (s): Frank Supervisor: From: To:

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-4									MW-1		MW-3		MW-7		MW-8		Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)				9 - 29									15 - 30		15 - 30		8 - 18		8 - 18			
	Initial Depth To Water DTW (ft)				15.10									14.35		14.34		14.75		13.80			
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	units	gals
9/30					ON		28																
0000	21	39	650	292																			
0400	21	35	651	335																			
0800	21	36	650	385		27.61								0.00	16.63	0.01	14.73	0.00	17.01	0.00	14.23	2496960	7240
1200	21	38	661	392																			
1600	21	35	655	303																			
2000	21	39	651	243										0.00	16.51	0.01	14.60	0.00	17.00	0.00	14.25	2497260	7540
10/1																							
0000	21	44	659	252																			
0400	21	40	650	233																			
0800	21	36	652	211		27.64								0.00	16.62	0.01	14.63	0.00	Dry	0.00	13.66	2497580	7810
1200	21	35	660	208																			
1600	21	41	651	203																			
2000	21	37	658	210										0.00	16.65	0.01	14.66	0.00	17.00	0.00	13.65	2497740	8020

Comments:

797

HIGH VACUUM [ ] SVE or [X] DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: 6125 TELEGRAPH AVENUE City: OAKLAND Site #: THRIFTY #063 Date: 10/02/2010 Page 11 of 16

Client: THRIFTY OIL CO. Operator (s): Frank Supervisor: From: To:

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-4									MW-1		MW-3		MW-7		MW-8			
	Screen Interval: From-To (ft)				9 - 29									15 - 30		15 - 30		8 - 18		8 - 18			
	Initial Depth To Water DTW (ft)				15.10									14.35		14.34		14.75		13.80			
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Water Meter Readings units	Cumul. Water Extracted gals
10/2					ON		28-																
0000	21	45	651	205																			
0400	21	39	650	310																			
0800	21	40	655	370		27.71								0.00	17.30	0.00	14.68	0.00	Dry	0.00	14.30	2497950	8230
1200	21	43	655	378																			
1600	21	36	659	347																			
2000	21	38	650	287										0.00	16.72	0.00	14.70	0.00	17.01	0.00	14.65	2498240	8520
10/3																							
0000	21	35	657	292																			
0400	21	36	650	278																			
0800	21	42	655	265		27.73								0.00	16.76	0.01	14.68	0.00	17.00	0.00	14.67	2498370	8650
1200	21	45	659	261																			
1600	21	42	650	241																			
2000	21	37	651	222										0.00	16.77	0.00	14.76	0.00	17.02	0.00	14.36	2498580	8860

Comments: 10-02-2010 Took vapor samps. & INFLUENT water samps as follows: MW-4 @ 1030 (379 ppmv), INFLUENT WATER of MW-4 @ 1115

797

HIGH VACUUM [ ] SVE or [X] DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: 6125 TELEGRAPH AVENUE City: OAKLAND Site #: THRIFTY #063 Date: 10/04/2010 Page 12 of 16

Client: THRIFTY OIL CO. Operator (s): Frank Supervisor: From: To:

		EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.	MW-4									MW-1		MW-3		MW-7		MW-8		Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)	9 - 29									15 - 30		15 - 30		8 - 18		8 - 18			
	Initial Depth To Water DTW (ft)	15.10									14.35		14.34		14.75		13.80			
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	units	gals
10/4					ON		28-																
0000	21	39	650	256																			
0400	21	36	650	273																			
0800	21	43	656	296		27.78								0.00	16.79	0.00	14.72	0.00	17.00	0.00	14.43	2498780	9060
1200	21	36	665	305																			
1600	21	40	661	244																			
2000	21	37	653	226										0.00	16.65	0.00	14.81	0.00	Dry	0.00	14.31	2498860	9140
10/5																							
0000	21	42	650	225																			
0400	21	38	650	214																			
0800	21	35	654	205		27.83								0.00	16.75	0.01	14.83	0.00	17.00	0.00	14.19	2499070	9350
1200	21	40	653	195																			
1600	21	37	650	203																			
2000	21	42	651	188										0.00	16.82	0.01	14.86	0.00	16.99	0.00	13.87	2499280	9560

Comments:

797

HIGH VACUUM [ ] SVE or [X] DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: **6125 TELEGRAPH AVENUE** City: **OAKLAND** Site #: **THRIFTY #063** Date: 10 /06/ 2010 Page 13 of 16

Client: **THRIFTY OIL CO.** Operator (s): Frank Supervisor: From: To:

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-4									MW-1		MW-3		MW-7		MW-8			
	Screen Interval: From-To (ft)				9 - 29									15 - 30		15 - 30		8 - 18		8 - 18			
	Initial Depth To Water DTW (ft)				15.10									14.35		14.34		14.75		15.80			
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Water Meter Readings units	Cumul. Water Extracted gals
10/6					ON		28																
0000	21	36	650	193																			
0400	21	39	650	172																			
0800	21	38	653	189		27.84								0.00	16.84	0.01	14.87	0.00	17.01	0.00	13.85	2499460	9740
1200	21	36	668	339																			
1600	21	35	663	410																			
2000	21	44	665	334										0.00	16.81	0.01	14.91	0.00	17.00	0.00	13.81	2499610	9950
10/7																							
0000	21	36	650	327																			
0400	21	41	652	314																			
0800	21	39	650	302		27.91								0.00	16.86	0.01	14.93	0.00	17.02	0.00	14.00	2499880	10,160
1200	21	45	663	385																			
1600	21	36	654	341																			
2000	21	38	650	323										0.00	16.85	0.00	14.94	0.00	17.00	0.00	13.96	2500090	10,370

Comments: 10-7-2010-Vapor samps. & INFLUENT WATER samps. as follows: MW-4 @ 1415 (337 ppmv), INF. WATER at MW-4 @ 1445

797

HIGH VACUUM [ ] SVE or [X] DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: 6125 TELEGRAPH AVENUE City: OAKLAND Site #: THRIFTY #063 Date: 10 /08/ 2010 Page 14 of 16

Client: THRIFTY OIL CO. Operator (s): Frank Supervisor: From: To:

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-4									MW-1		MW-3		MW-7		MW-8		Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)				9 - 29									15 - 30		15 - 30		8 - 18		8 - 18			
	Initial Depth To Water DTW (ft)				15.10									14.35		14.34		14.75		13.80			
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	units	gals
10/8					ON		28																
0000	21	41	650	255																			
0400	21	36	653	331																			
0800	21	35	657	370		27.89								0.00	16.88	0.01	14.96	0.00	17.01	0.00	13.90	250027	10,550
1200	21	37	648	395																			
1600	21	40	650	397																			
2000	21	42	661	385										0.00	16.91	0.01	15.00	0.00	17.00	0.00	13.88	250048	10,766
10/9																							
0000	21	41	652	372																			
0400	21	36	650	364																			
0800	21	39	653	374		27.92								0.00	16.94	0.00	15.03	0.00	17.02	0.00	13.89	250066	10,940
1200	21	43	654	363																			
1600	21	35	650	377																			
2000	21	37	656	381										0.00	16.96	0.00	15.05	0.00	17.00	0.00	13.91	250081	11,150

Comments:

797

HIGH VACUUM [ ] SVE or [X] DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: **6125 TELEGRAPH AVENUE** City: **OAKLAND** Site #: **THRIFTY #063** Date: 10 / 10 / 2010 Page 15 of 16

Client: **THRIFTY OIL CO.** Operator (s): Frank Supervisor: From: To:

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-4									MW-1		MW-3		MW-7		MW-8		Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)				9 - 29									15 - 30		15 - 30		8 - 18		8 - 18			
	Initial Depth To Water DTW (ft)				15.10									14.35		14.34		14.75		13.80			
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	units	gals
10/10					ON		28																
0000	21	35	649	377																			
0400	21	39	650	370																			
0800	21	43	658	364		27.94								0.00	16.95	0.00	15.07	0.00	17.03	0.00	13.87	2501060	11,340
1200	21	40	663	371																			
1600	21	37	654	360																			
2000	21	35	665	353										0.00	16.98	0.01	15.10	0.00	17.01	0.00	13.85	2501270	11,550
10/11																							
0000	21	39	659	365																			
0400	21	38	653	369																			
0800	21	42	657	347		27.97								0.00	16.97	0.00	15.12	0.00	17.00	0.00	13.88	2501450	11,730
1200	21	40	656	371																			
1600	21	36	652	352																			
2000	21	39	661	356										0.00	16.95	0.00	15.15	0.00	17.02	0.00	13.91	2501630	11,910

Comments:

797

HIGH VACUUM [ ] SVE or [X] DPE FIELD DATA SHEET

CALCLEAN INC.
(714) 734-9137

Project Location: 6125 TELEGRAPH AVENUE City: OAKLAND Site #: THRIFTY #063 Date: 10 /12 / 2010 Page 16 of 16

Client: THRIFTY OIL CO. Operator (s): Frank Supervisor: From: To:

		EXTRACTION WELLS												OBSERVATION WELLS									
	Well I.D.	MW-4												MW-1		MW-3		MW-7		MW-8			Cumul.
	Screen Interval: From-To (ft)	9 - 29												15 - 30		15 - 30		8 - 18		8 - 18		Water Meter	Water
	Initial Depth To Water DTW (ft)					15.10								14.35		14.34		14.75		13.80		Readings	Extracted
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	Vacuum "H_2O	DTW (ft)	units	gals
																						2489720	
10/12					ON		28																
0000	21	43	651	359																			
0400	21	36	663	351																			
0800	21	41	650	347		27.99								0.00	17.00	0.01	15.18	0.00	17.01	0.00	13.92	2501840	12,120
1200	21	42	652	363																			
1600	21	40	657	334																			
2000	21	37	649	321										0.00	16.99	0.01	15.21	0.00	17.07	0.00	13.91	2502010	12290
10/13																							
0001	21	41	657	364																			
0400	21	43	649	348																			
0800	21	42	653	317		27.96								0.00	17.03	0.00	15.26	0.00	17.07	0.00	13.98	2502250	12530
0900	21	41	649	365																		2502290	12570

Comments: 10/13 - TOOK VAPOR SAMPLE OF MW-4 @ 0900 (365 PPMV) & INFLUENT H_2O SAMPLE OF MW-4 @ 0930