THRIFTY OIL CO.

September 29, 2010

O.106634

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 #049**
3400 San Pablo Avenue
Oakland, CA 94612
High Vacuum Dual-Phase Extraction Report

Dear Mr. Khatri:

The enclosed *High Vacuum Dual Phase Extraction* (HVDPE) *Report* dated September 13, 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 August 4 to September 4, 2010 at former Thrifty Oil Co. (Thrifty) Station #049 located at 3400 San Pablo 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* dated April 21, 2010 which was approved by default under the 60-Day rule.

Laboratory analytical results of the total inlet vapor samples collected at the beginning (08/4/10) and at the end of the 30-Day HVDPE event (09/4/10) indicate a significant decrease in hydrocarbon constituent concentrations as shown in **Table 1** below. The ending TPHg, benzene and MTBE vapor concentrations of 175 ppmv, 0.18 ppmv and 0.048 ppmv indicate that asymptotic conditions have been reached, and that the HVDPE has likely remediated nearly all of the residual hydrocarbon mass beneath the site. Similar decreases in vapor concentrations were also noted in the individual extraction wells.

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 (08/4/10)	End of HVDPE (09/4/10)	
Inlet	TPHg	4,910	175	Significant Decrease
	Benzene	11	0.18	Significant Decrease
	MTBE	0.81	0.048	Significant Decrease

Laboratory analytical results of the groundwater samples collected from wells MW-2R, MW-4R, and RW-1R at the beginning of the HVDPE (08/4/10) and at the end of the HVDPE event (09/4/10) indicate an overall decrease of TPHg, benzene, and MTBE concentrations in well MW-2R, an overall increase in concentrations in MW-4R, and an overall concentration decrease in well RW-1R.

TBA concentrations increased in wells MW-2R, MW-4R, and RW-1R when comparing beginning and ending concentrations.

Thrifty assumes that the increases in hydrocarbon constituents during the course of the HVDPE event is a result of the depression cone created around the extraction wells, which pulled the hydrocarbon plume toward the extraction points.

Table 2 below shows the evolution of groundwater concentrations before, 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 (8/4/10)	End of DPE (9/4/10)	
MW-2R	TPHg	1,380	288	Significant decrease in concentration
	B	28	8	Moderate decrease in concentration
	MTBE	54	40	Moderate decrease in concentration
	TBA	<5.2	1,730	TBA does not readily enter the vapor phase. Increase maybe explained by the TBA plume being dragged toward the extraction well
MW-4R	TPHg	2,090	2,400	Slight increase in concentration
	B	16	160	Increase in concentration
	MTBE	60	414	Increase in concentration
	TBA	<5.2	4,420	Significant increase in concentration
RW-1R	TPHg	4,230	1,000	Significant decrease in concentration
	B	31	3.9	Significant decrease in concentration
	MTBE	42	201	Moderate increase in concentration
	TBA	<5.2	193	TBA does not readily enter the vapor phase. Increase maybe explained by the TBA plume being dragged toward the extraction well

During the HVDPE Event, approximately 12,869 gallons of groundwater and 1,613.97 pounds of hydrocarbons (as vapor) were removed. The average hydrocarbon removal rate over the 30-days was approximately 2.24 pounds per hour. However, hydrocarbon removal rates during the last 10 days of extraction declined to approximately 0.54 pounds per hour and ending influent vapor concentrations were low (as noted above) indicating that asymptotic conditions have likely been reached.

Proposed Rebound Test and Evaluation for Site Closure

Results of the 30-day HVDPE event indicate that a significant quantity of soil vapor and a moderate quantity of groundwater were removed during the event. The very low vapor concentrations at the conclusion of the event indicate that asymptotic conditions have been reached and that very little hydrocarbon mass remains beneath the site. As proposed in the August 6, 2010 *Groundwater Rebound Test Workplan*, Thrifty will collect groundwater samples at the end of the proposed rebound period (after October 3, 2010) which will also coincide with the Second Semester 2010 groundwater sampling episode. Based upon our evaluation of the analytical results of the rebound test /Second Semester 2010 groundwater sampling, Thrifty will either resume operation of the GWE system or request low risk environmental closure for the 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

CALCLEAN INC.

"A Partner in Protecting California's Waters"

September 13, 2010

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ENVIRONMENTAL
SS# 049

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

SITE: THRIFTY OIL COMPANY STATION #049
3400 SAN PABLO AVENUE
OAKLAND, CALIFORNIA

RE: HIGH VACUUM DUAL PHASE EXTRACTION REPORT

Dear Mr. Tregurtha:

This report includes activities performed by CalClean during a 30-day (24 hours per day) HVDPE event conducted between August 4 to September 4, 2010 at the above referenced site. The 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 April 21, 2010, and Thrifty's "*First Semester 2010, Status Report and Notification of Intent to proceed with the Continuous 30-Day High Vacuum Dual-Phase Extraction Event*" report dated June 29, 2010.

From August 4 to September 4, 2010, CalClean performed a 30-day HVDPE event on three onsite wells - MW-2R, MW-4R, and RW-1R - 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 hydrocarbons to be simultaneously removed from the vadose zone, capillary fringe, and saturated soil zone. A high vacuum (range of 17-23 inches Hg) was applied for vapor and groundwater extraction, using a dedicated well stinger placed in each extraction well. The vacuum and vapor flow rates were modified to optimize recovery of vapor, free-product (if any) and dissolved-phase hydrocarbons.

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

- The starting Total Petroleum Hydrocarbons as Gasoline (TPH-G) vapor concentrations in wells MW-2R, MW-4R, and RW-1R were 2,730 ppmv, 3,430 ppmv, and 4,130 ppmv, respectively. On August 11, 2010 the TPHg vapor concentrations were 2,060 ppmv, 1,900 ppmv, and 2,350 ppmv, respectively. On August 18, 2010, the TPHg vapor concentrations were 908 ppmv, 631 ppmv, and 821 ppmv, respectively. On August 25, 2010, the TPHg vapor concentrations were 462 ppmv, 326 ppmv, and 3,770 ppmv, respectively. On September 4, 2010, the TPHg vapor concentrations were 32 ppmv, 300 ppmv, and 330 ppmv, respectively. The Total Inlet combined well TPH-G vapor concentrations on August 4, August 11, August 18, August 25, and September 4, 2010 were 4,910 ppmv, 1,760 ppmv, 631 ppmv, 360 ppmv, and 175 ppmv, respectively.

- The starting Benzene vapor concentrations in wells MW-2R, MW-4R, and RW-1R were 7.4 ppmv, 7 ppmv, and 9 ppmv, respectively. On August 11, 2010 the Benzene vapor concentrations were 5.1 ppmv, 4.4 ppmv, and 5.8 ppmv, respectively. On August 18, 2010, the Benzene vapor concentrations were 2 ppmv, 1.3 ppmv, and 1.9 ppmv, respectively. On August 25, 2010, the Benzene vapor concentrations were 0.6 ppmv, 0.3 ppmv, and 5.4 ppmv, respectively. On September 4, 2010, the Benzene vapor concentrations were 0.17 ppmv, 0.76 ppmv, and 0.42 ppmv, respectively. The Total Inlet combined well Benzene vapor concentrations on August 4, August 11, August 18, August 25, and September 4, 2010 were 11 ppmv, 3.9 ppmv, 1.4 ppmv, 0.4 ppmv, and 0.18 ppmv, respectively.

- The starting Methyl tert-Butyl Ether (MtBE) vapor concentrations (confirmation using EPA Method 8260B) in wells MW-2R, MW-4R, and RW-1R were 2.6 ppmv, 0.8 ppmv, and 0.9 ppmv, respectively. On August 11, 2010 the MtBE vapor concentrations were 0.18 ppmv, 0.1 ppmv, and ND<0.175 ppmv, respectively. On August 18, 2010, the MtBE vapor concentrations were 0.11 ppmv, ND<0.1 ppmv, and 0.12 ppmv, respectively. On August 25, 2010, the MtBE vapor concentrations were ND<0.1 ppmv, 0.07 ppmv, and 0.07 ppmv, respectively. On September 4, 2010, the MtBE vapor concentrations were 0.048 ppmv, 0.057 ppmv, and 0.053 ppmv, respectively. The Total Inlet combined well MtBE vapor concentrations on August 4, August 11, August 18, August 25, and September 4, 2010 were 0.81 ppmv, ND<0.1 ppmv, ND<0.1 ppmv, 0.07 ppmv, and 0.048 ppmv, respectively.

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 1,613.97 pounds (or approximately 2.24 pounds 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 12,869 gallons of groundwater (as measured through the onsite water meter) was extracted from wells MW-2R, MW-4R, and RW-1R. The extracted groundwater was periodically 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 #502-4445.

Groundwater samples were collected from wells MW-2R, MW-4R, and RW-1R at the start and at the end of the event. The laboratory results, listed in Table 3 and laboratory reports included in Attachment 2, indicate the following:

- The starting TPH-G groundwater concentrations in wells MW-2R, MW-4R, and RW-1R were 1,380 ug/L, 2,090 ug/L, and 4,230 ug/L, respectively. On August 11, 2010 the TPHg groundwater concentrations were 1,560 ug/L, 2,400 ug/L, and 5,900 ug/L, respectively. On August 18, 2010, the TPHg groundwater concentrations were 1,130 ug/L, 2,590 ug/L, and 4,670 ug/L, respectively. On August 25, 2010, the TPHg groundwater concentrations were 609 ug/L, 3,940 ug/L, and 1,970 ug/L, respectively. On September 4, 2010, the TPHg groundwater concentrations were 288 ug/L, 2,400 ug/L, and 1,000 ug/L, respectively.

- The starting Benzene groundwater concentrations in wells MW-2R, MW-4R, and RW-1R were 28 ug/L, 16 ug/L, and 31 ug/L, respectively. On August 11, 2010 the Benzene groundwater concentrations were 5.4 ug/L, 23 ug/L, and 40 ug/L, respectively. On August 18, 2010, the Benzene groundwater concentrations were 7.1 ug/L, 38.5 ug/L, and 21.4 ug/L, respectively. On August 25, 2010, the Benzene groundwater concentrations were ND<1.8 ug/L, 117 ug/L, and ND<0.18 ug/L, respectively. On September 4, 2010, the Benzene groundwater concentrations were 8 ug/L, 160 ug/L, and 3.9 ug/L, respectively.

- The starting Methyl tert-Butyl Ether (MtBE) groundwater concentrations in wells MW-2R, MW-4R, and RW-1R were 54 ug/L, 60 ug/L, and 42 ug/L, respectively. On August 11, 2010 the MtBE groundwater concentrations were 70 ug/L, 567 ug/L, and 186 ug/L, respectively. On August 18, 2010, the MtBE groundwater concentrations were 62.7 ug/L, 329 ug/L, and 225 ug/L, respectively. On August 25, 2010, the MtBE groundwater concentrations were 38 ug/L, 378 ug/L, and 165 ug/L, respectively. On September 4, 2010, the MtBE groundwater concentrations were 40 ug/L, 414 ug/L, and 201 ug/L, respectively.

- The starting tert-Butanol (TBA) groundwater concentrations in wells MW-2R, MW-4R, and RW-1R were ND<5.2 ug/L, ND<5.2 ug/L, and ND<5.2 ug/L, respectively. On August 11, 2010 the TBA groundwater concentrations were 774 ug/L, 1,830 ug/L, and 340 ug/L, respectively. On August 18, 2010, the TBA groundwater concentrations were 1,290 ug/L, 2,880 ug/L, and 151 ug/L, respectively. On August 25, 2010, the TBA groundwater concentrations were 1,720 ug/L, 4,290 ug/L, and 306 ug/L, respectively. On September 4, 2010, the TBA groundwater concentrations were 1,730 ug/L, 4,420 ug/L, and 193 ug/L, respectively.

- The starting tert-Amyl Methyl Ether(TAME) groundwater concentrations in wells MW-2R, MW-4R, and RW-1R were ND<1.9 ug/L, ND<0.19 ug/L, and ND<1.9 ug/L, respectively. On August 11, 2010 the TAME groundwater concentrations were 11 ug/L, 23 ug/L, and ND<0.19 ug/L, respectively. On August 18, 2010, the TAME groundwater concentrations were ND<1.9 ug/L, ND<0.19 ug/L, and ND<1.9 ug/L, respectively. On August 25, 2010, the TAME groundwater concentrations were ND<1.9 ug/L, ND<0.19 ug/L, and ND<1.9 ug/L,

respectively. On September 4, 2010, the TAME groundwater concentrations were 7.2 ug/L, ND<1.9 ug/L, and 4.8 ug/L, respectively.

- The starting and ending Ethyl tert-Butyl Ether (ETBE) and Di-isopropyl Ether (DIPE) groundwater concentrations in wells MW-2R, MW-4R, and RW-1R were not detected above the laboratory detection limit 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 Groundwater 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 #049
Oakland, California

Sample ID	Date/Time Sampled	TPH-g (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Total Xylenes (ppmv)	MtBE (ppmv)	MTBE* (ppmv)
RW-1R	8/4/2010 1145	4,130	9	86	19	21	113	0.9*
RW-1R	8/11/2010 0830	2,350	5.8	20.8	15.4	25.8	17.4	ND<0.175*
RW-1R	8/18/2010 0830	821	1.9	17.9	6.8	26	9.6	0.12*
RW-1R	8/25/2010 0830	3,770	5.4	47.3	12.8	87.6	20.4	0.07*
RW-1R	9/4/2010 1540	330	0.42	3.1	0.64	3.5	2.2	0.053*
TOTAL INLET	8/4/2010 1100	4,910	11	103	23	21	86	0.81*
TOTAL INLET	8/11/2010 0800	1,760	3.9	18.3	11.3	17.8	10.8	ND<0.1*
TOTAL INLET	8/18/2010 0800	631	1.4	13.1	5.9	20.5	4.7	ND<0.1*
TOTAL INLET	8/25/2010 0800	360	0.4	2.1	1.5	10.3	2.4	0.07*
TOTAL INLET	9/4/2010 1510	175	0.18	2.3	0.52	3.3	0.94	0.048*

Notes:
ppmv = parts per million by volume
TPH - g = total petroleum hydrocarbons - gasoline
Samples analyzed by EPA 8015B / EPA 8021B
MtBE = Methyl tert-Butyl Ether
*Confirmation by EPA Method 8260B

CalClean Inc.

Table 1
RESULTS OF LABORATORY ANALYSIS OF VAPOR SAMPLES
Thrifty Oil #049
Oakland, California

Sample ID	Date/Time Sampled	TPH-g (ppmv)	Benzene (ppmv)	Toluene (ppmv)	Ethylbenzene (ppmv)	Total Xylenes (ppmv)	MtBE (ppmv)	MTBE* (ppmv)
MW-2R	8/4/2010 1110	2,730	7.4	35	8.5	12	33	2.6*
MW-2R	8/11/2010 0810	2,060	5.1	18.6	15.7	28.6	18	0.18*
MW-2R	8/18/2010 0810	908	2	20.5	7.0	21.2	5.7	0.11*
MW-2R	8/25/2010 0810	462	0.6	2.8	1.4	8.5	4.2	ND<0.1*
MW-2R	9/4/2010 1520	32	0.17	0.68	0.21	0.62	0.35	0.048*
MW-4R	8/4/2010 1130	3,430	7	54	18	16	36	0.8*
MW-4R	8/11/2010 0820	1,900	4.4	17.1	15.7	27.4	13.8	0.1*
MW-4R	8/18/2010 0820	631	1.3	12.9	5.4	17.2	4.6	ND<0.1*
MW-4R	8/25/2010 0820	326	0.3	4.3	1.1	7	1.6	0.07*
MW-4R	9/4/2010 1530	300	0.76	1.3	0.56	0.77	1.6	0.057*

Table 2
HYDROCARBON MASS REMOVAL (Using Lab Data)
Thrifty Oil #049, 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)
8/4/2010 11:00	23	92	4,910	0.00	0.00	0
8/11/2010 8:00	19	149	1,760	902.78	144.50	902.78
8/18/2010 8:00	18	153	631	412.91	66.09	1,315.69
8/25/2010 8:00	19	143	360	167.74	26.85	1,483.43
9/4/2010 11:00	18	152	175	130.54	20.89	1,613.97
	TOTAL HC RECOVERED* - LAB DATA			**1,613.97**	**258.34**	
	HC RECOVERED - lbs./hour			**2.24**		

TOTAL GROUNDWATER EXTRACTED	**12,869**

in of Hg = inches of mercury
scfm = standard cubic feet per minute
ppmv = parts per million by volume
lbs = pounds
gal = gallons
* Concentration data based on laboratory data

CalClean Inc.

Table 3

RESULTS OF LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
Thrifty Oil #049
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)	TAME (ug/L)
MW-2R	8/4/2010 1125	1,380	28	1.0J	148	15	54	ND<5.2	ND<0.19
MW-2R	8/11/2010 0840	1,560	5.4	ND<0.24	ND<0.21	5.3	70	774	11
MW-2R	8/18/2010 0840	1,130	7.1	ND<0.24	10.7	42.9	62.7	1,290	ND<0.19
MW-2R	8/25/2010 0840	609	ND<1.8	ND<2.4	ND<2.1	ND<4.5	38	1,720	ND<1.9
MW-2R	9/4/2010 1630	288	8	ND<0.24	ND<0.21	ND<0.45	40	1,730	7.2
MW-4R	8/4/2010 1115	2,090	16	ND<0.24	82	82	60	ND<5.2	ND<0.19
MW-4R	8/11/2010 0850	2,400	23	ND<0.24	ND<0.21	16	567	1,830	23
MW-4R	8/18/2010 0850	2,590	38.5	ND<0.24	ND<0.21	4.0J	329	2,880	ND<0.19
MW-4R	8/25/2010 0850	3,940	117	ND<2.4	ND<2.1	ND<4.5	378	4,290	ND<1.9
MW-4R	9/4/2010 1638	2,400	160	ND<2.4	ND<2.1	ND<4.5	414	4,420	ND<1.9

CalClean Inc.

Table 3

RESULTS OF LABORATORY ANALYSIS OF GROUNDWATER SAMPLES
Thrifty Oil #049
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)	TAME (ug/L)
RW-1R	8/4/2010 1120	4,230	31	3.3J	62	332	42	ND<5.2	ND<0.19
RW-1R	8/11/2010 0900	5,900	40	18	99	1,300	186	340	ND<0.19
RW-1R	8/18/2010 0900	4,670	21.4	4.2J	20.7	840	225	151	ND<0.19
RW-1R	8/25/2010 0900	1,970	ND<0.18	ND<0.24	2.3J	57	165	306	ND<0.19
RW-1R	9/4/2010 1642	1,000	3.9	ND<0.24	2.1J	18	201	193	4.8

Notes:

ppmv = parts per million by volume

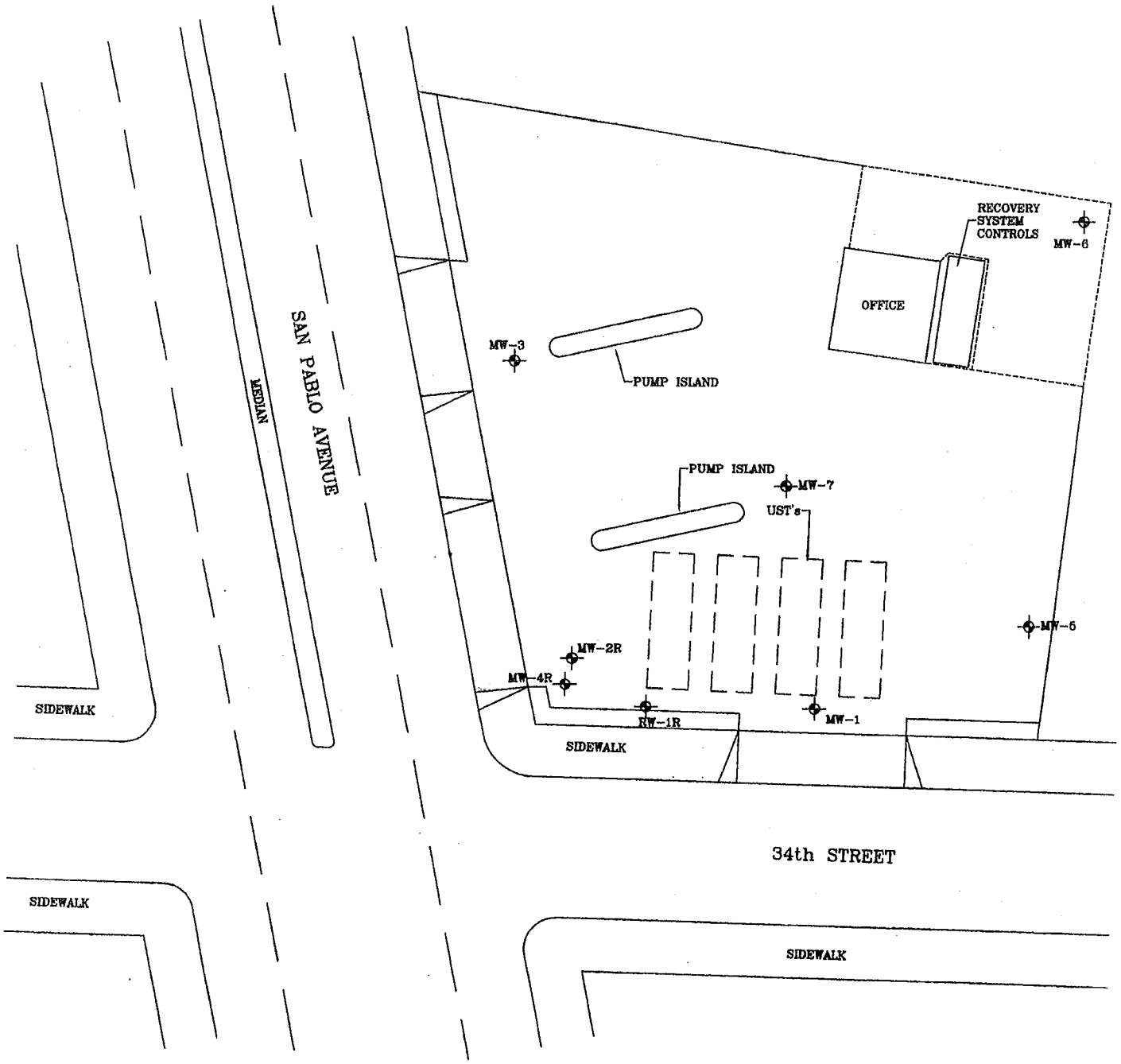
TPH - g = total petroleum hydrocarbons - gasoline

Samples analyzed by EPA 8015B / EPA 8260B

TAME = Tert-Amyl Methyl Ether

MtBE = Methyl tert-Butyl Ether

TBA = tert-Butanol



LEGEND

MW-4R — RECOVERY WELL LOCATION

MW-1 — MONITORING WELL LOCATION

SB-1 — SOIL BORING LOCATION

SITE PLAN

THRIFTY OIL #049
3400 SAN PABLO AVE
OAKLAND, CALIFORNIA

FIGURE: 1

N

SCALE
0 30 60
FEET

Figure 2

Total Inlet HC Concentrations vs Time (30 Days)

Thrifty Oil #049, Oakland, CA - 8/4-9/4/10

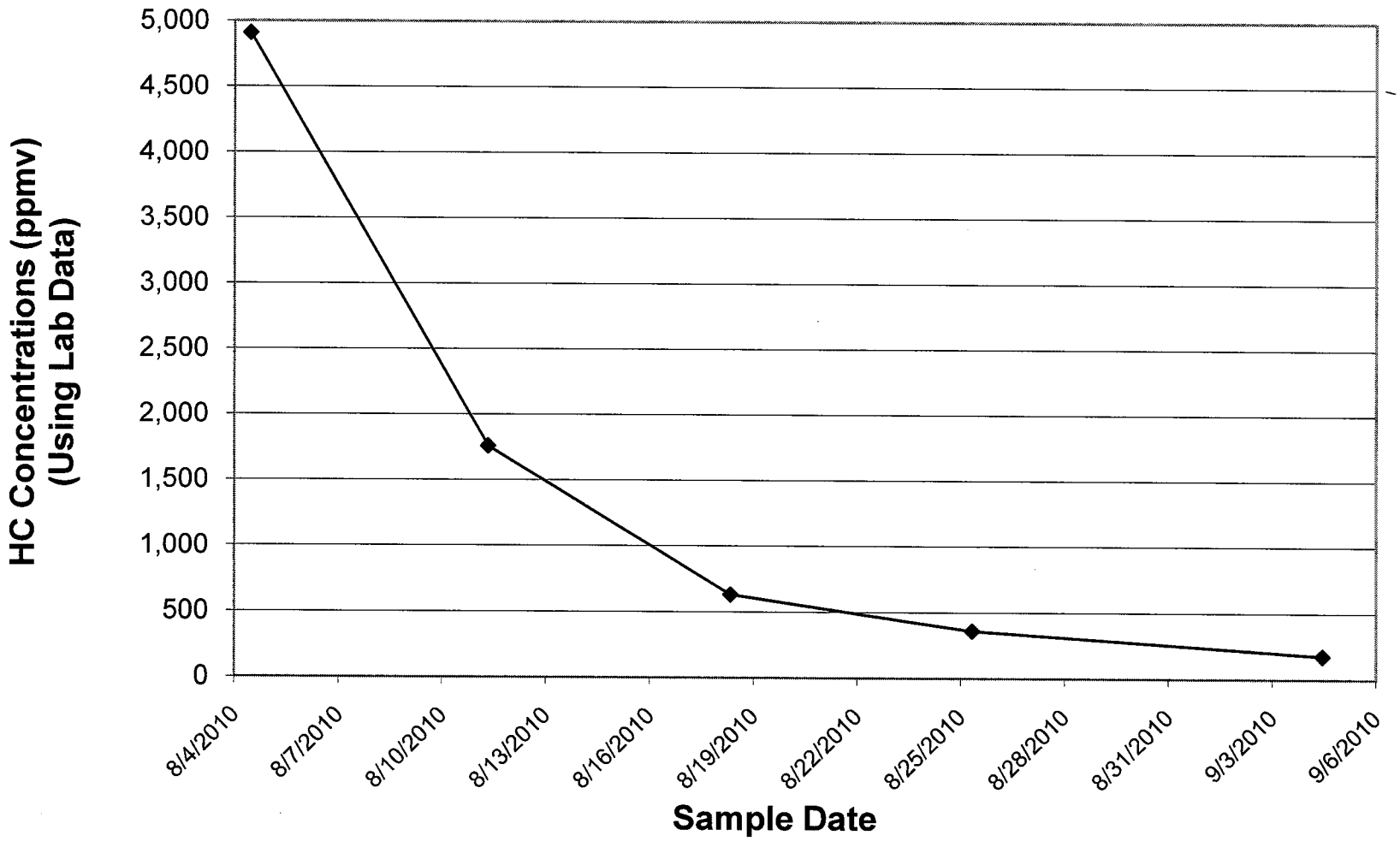
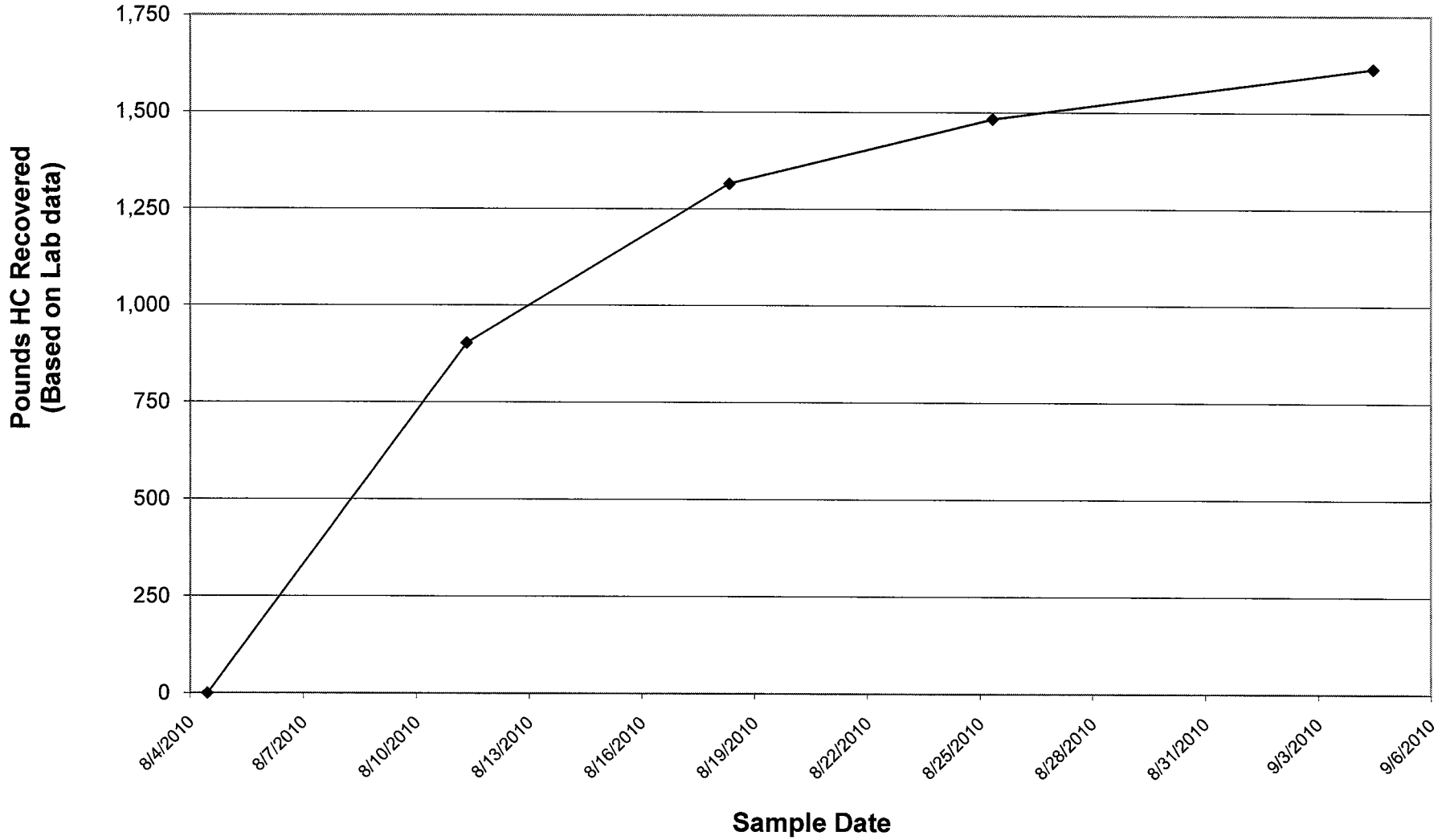


Figure 3

Cumulative HC Recovered Over 30 Days

Thrifty Oil #049, Oakland, CA - 8/4-9/4/10



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 259138
REPORTED 08/10/2010
RECEIVED 08/05/2010

PROJECT Station #049
3400 San Pablo 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
1100698	TOC#049 TOTAL INLET
1100699	TOC#049 MW-2R
1100700	TOC#049 MW-4R
1100701	TOC#049 RW-1R
1100702	TOC#049 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

ATTACHMENT 1

LABORATORY REPORTS

Order #: 1100698
Matrix: AIR
Date Sampled: 08/04/2010
Time Sampled: 11:00
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC#049 TOTAL INLET

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	11	25	0.25	Vppm	08/06/10	SW
Ethyl benzene	23	25	0.25	Vppm	08/06/10	SW
Methyl t - butyl ether	86	25	2.5	Vppm	08/06/10	SW
Toluene	103	25	0.25	Vppm	08/06/10	SW
Xylene (total)	21	25	0.75	Vppm	08/06/10	SW
Benzene	34	25	0.75	ug/L	08/06/10	SW
Ethyl benzene	100	25	1.0	ug/L	08/06/10	SW
Methyl t - butyl ether	309	25	9.0	ug/L	08/06/10	SW
Toluene	388	25	1.0	ug/L	08/06/10	SW
Xylene (total)	92	25	3.25	ug/L	08/06/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	0.81	350	0.35	Vppm	08/09/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	2.9	350	1.26	ug/L	08/09/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	4910	25	125.0	Vppm	08/06/10	SW
Gasoline	20100	25	552.5	ug/L	08/06/10	SW

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

Order #: 1100699
Matrix: AIR
Date Sampled: 08/04/2010
Time Sampled: 11:10
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC#049 MW-2R

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	7.4	25	0.25	Vppm	08/06/10	SW
Ethyl benzene	8.5	25	0.25	Vppm	08/06/10	SW
Methyl t - butyl ether	33	25	2.5	Vppm	08/06/10	SW
Toluene	35	25	0.25	Vppm	08/06/10	SW
Xylene (total)	12	25	0.75	Vppm	08/06/10	SW
Benzene	24	25	0.75	ug/L	08/06/10	SW
Ethyl benzene	37	25	1.0	ug/L	08/06/10	SW
Methyl t - butyl ether	120	25	9.0	ug/L	08/06/10	SW
Toluene	133	25	1.0	ug/L	08/06/10	SW
Xylene (total)	52	25	3.25	ug/L	08/06/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	2.6	625	0.625	Vppm	08/09/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	9.3	625	2.25	ug/L	08/09/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	2730	25	125.0	Vppm	08/06/10	SW
Gasoline	11200	25	552.5	ug/L	08/06/10	SW

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

Order #: 1100700
Matrix: AIR
Date Sampled: 08/04/2010
Time Sampled: 11:30
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC#049 MW-4R

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	7.0	25	0.25	Vppm	08/06/10	SW
Ethyl benzene	18	25	0.25	Vppm	08/06/10	SW
Methyl t - butyl ether	36	25	2.5	Vppm	08/06/10	SW
Toluene	54	25	0.25	Vppm	08/06/10	SW
Xylene (total)	16	25	0.75	Vppm	08/06/10	SW
Benzene	22	25	0.75	ug/L	08/06/10	SW
Ethyl benzene	79	25	1.0	ug/L	08/06/10	SW
Methyl t - butyl ether	131	25	9.0	ug/L	08/06/10	SW
Toluene	202	25	1.0	ug/L	08/06/10	SW
Xylene (total)	71	25	3.25	ug/L	08/06/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	0.8	100	0.1	Vppm	08/09/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	2.7	100	0.36	ug/L	08/09/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	3430	25	125.0	Vppm	08/06/10	SW
Gasoline	14000	25	552.5	ug/L	08/06/10	SW

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

Order #: 1100701
Matrix: AIR
Date Sampled: 08/04/2010
Time Sampled: 11:45
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC#049 RW-1R

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	9.0	25	0.25	Vppm	08/06/10	SW
Ethyl benzene	19	25	0.25	Vppm	08/06/10	SW
Methyl t - butyl ether	113	25	2.5	Vppm	08/06/10	SW
Toluene	86	25	0.25	Vppm	08/06/10	SW
Xylene (total)	21	25	0.75	Vppm	08/06/10	SW
Benzene	29	25	0.75	ug/L	08/06/10	SW
Ethyl-benzene	83	25	1.0	ug/L	08/06/10	SW
Methyl t - butyl ether	407	25	9.0	ug/L	08/06/10	SW
Toluene	322	25	1.0	ug/L	08/06/10	SW
Xylene (total)	93	25	3.25	ug/L	08/06/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	0.9	100	0.1	Vppm	08/09/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	3.4	100	0.36	ug/L	08/09/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	4130	25	125.0	Vppm	08/06/10	SW
Gasoline	16900	25	552.5	ug/L	08/06/10	SW

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

Order #: 1100702
Matrix: AIR
Date Sampled: 08/04/2010
Time Sampled: 11:05
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC#049 STACK

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	ND	1	0.01	Vppm	08/06/10	SW
Ethyl benzene	0.16	1	0.01	Vppm	08/06/10	SW
Methyl t - butyl ether	ND	1	0.10	Vppm	08/06/10	SW
Toluene	0.15	1	0.01	Vppm	08/06/10	SW
Xylene (total)	0.40	1	0.03	Vppm	08/06/10	SW
Benzene	ND	1	0.03	ug/L	08/06/10	SW
Ethyl benzene	0.70	1	0.04	ug/L	08/06/10	SW
Methyl t - butyl ether	ND	1	0.36	ug/L	08/06/10	SW
Toluene	0.55	1	0.04	ug/L	08/06/10	SW
Xylene (total)	1.74	1	0.13	ug/L	08/06/10	SW
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	ND	1	5.0	Vppm	08/06/10	SW
Gasoline	ND	1	22.1	ug/L	08/06/10	SW

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

Chain of Custody Record

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

A.L. Job No. 259138 Page 1 of 1

Company	THRIFTY OIL CO
Phone	
Project Manager	SIMON TREGURTHA
Fax	
Project Name	TOC #049
Project #	
Site Name and Address	3400 SAN PABLO AVE, OAKLAND, CA

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPHG (8015)	BTEX/MTBE (8021)	CONFIRMED MTBE (8260B) if needed	Test Instructions & Comments
1	TOTAL INLET		8/4/10	1100	AIR	TEDLAR	NONE	X	X	X	
2	MW-2R			1110						X	
3	MW-4R			1130						X	
4	RW-1R			1145						X	
5	STACK			1105				X	X	X	
6											
7											
8											
9											
10											
11	RESULTS DUE IN 72-HRS										
12											email melshimi
13											
14											
15											

Analysis Requested

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☐ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☒ 72 hrs.

	Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature:	Mel Shimi		
Printed Name:			
Date: / Time:	8/5/10		
	Received By: 1.	**Received By: 2.**	**Received By: 3.**
Signature:	ASC		
Printed Name:	Juan Montes		
Date: / Time:	8-5-10 16:29		

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 259181
REPORTED 08/12/2010
RECEIVED 08/05/2010

PROJECT Station #049
3400 San Pablo Ave.

SUBMITTER Client

COMMENTS * Matrix Interference

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
1100906	TOC#049 MW-4R
1100907	TOC#049 RW-1R
1100908	TOC#049 MW-2R
1100909	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. Behard, 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 #: 1100906 **Client Sample ID:** TOC#049 MW-4R
Matrix: WATER **Date Sampled:** 08/04/2010 **Time Sampled:** 11:15

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	16	1.0	1	0.18	ug/L	08/07/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/07/10 RP
Ethyl benzene	82	1.0	5	0.21	ug/L	08/07/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/07/10 RP
Methyl-tert-butylether (MTBE)	60	1.0	1	0.19	ug/L	08/07/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/07/10 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	08/07/10 RP
Toluene	ND	1.0	5	0.24	ug/L	08/07/10 RP
Xylenes, total	82	1.0	5	0.45	ug/L	08/07/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	95				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	100				%	70 - 135
Surr3 - Toluene-d8	101				%	70 - 135
Surr4 - p-Bromofluorobenzene	107				%	70 - 135
8015B - Gasoline						
Gasoline	2090	1.0	50	6.6	ug/L	08/07/10 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	123				%	60 - 140

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

Order #: 1100907 **Client Sample ID:** TOC#049 RW-1R
Matrix: WATER **Date Sampled:** 08/04/2010 **Time Sampled:** 11:20

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	31	1.0	1	0.18	ug/L	08/07/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/07/10 RP
Ethyl benzene	62	1.0	5	0.21	ug/L	08/07/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/07/10 RP
Methyl-tert-butylether (MTBE)	42	1.0	1	0.19	ug/L	08/07/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/07/10 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	08/07/10 RP
Toluene	3.3J	1.0	5	0.24	ug/L	08/07/10 RP
Xylenes, total	332	1.0	5	0.45	ug/L	08/07/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	97				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	93				%	70 - 135
Surr3 - Toluene-d8	104				%	70 - 135
Surr4 - p-Bromofluorobenzene	109				%	70 - 135
8015B - Gasoline						
Gasoline	4230	1.0	50	6.6	ug/L	08/07/10 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	153*				%	60 - 140

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

Order #: 1100908 **Client Sample ID:** TOC#049 MW-2R
Matrix: WATER **Date Sampled:** 08/04/2010 **Time Sampled:** 11:25

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	28	1.0	1	0.18	ug/L	08/10/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/10/10 RP
Ethyl benzene	148	1.0	5	0.21	ug/L	08/10/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/10/10 RP
Methyl-tert-butylether (MTBE)	54	1.0	1	0.19	ug/L	08/10/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/10/10 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	08/10/10 RP
Toluene	1.0J	1.0	5	0.24	ug/L	08/10/10 RP
Xylenes, total	15	1.0	5	0.45	ug/L	08/10/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	95				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	102				%	70 - 135
Surr3 - Toluene-d8	100				%	70 - 135
Surr4 - p-Bromofluorobenzene	108				%	70 - 135
8015B - Gasoline						
Gasoline	1380	1.0	50	6.6	ug/L	08/09/10 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	116				%	60 - 140

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

Order #: 1100909 **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	08/07/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/07/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	08/07/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/07/10 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	08/07/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/07/10 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	08/07/10 RP
Toluene	ND	1.0	5	0.24	ug/L	08/07/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	08/07/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	95				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	113				%	70 - 135
Surr3 - Toluene-d8	102				%	70 - 135
Surr4 - p-Bromofluorobenzene	103				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	08/07/10 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	83				%	60 - 140

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

Chain of Custody Record

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

Company	THRIFTY OIL CO	Phone	
Project Manager	SIMON TREGURTHA	Fax	
Project Name	TOC#049	Project #	
Site Name and Address	3400 SAN PABLO AVE		

A.L. Job No. 259181

Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPH-g (8015)	Analysis Requested: BTEX + OXYS (8260B)	Test Instructions & Comments
1	MW-4R		8/4/10	1115	W	3 VOA	HCl	X	X	
2	RW-1R		↓	1120	↓	↓	↓	↓	↓	
3	MW-2R		↓	1125	↓	↓	↓	↓	↓	
4										
5										
6										
7										
8										
9										
10			RESULTS DUE IN	72	HRS					
11										email
12										noelsheng
13										
14										
15										

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers	9	Properly Cooled (Y) N / NA	
Custody Seals Y / N / (NA)		Samples Intact (Y) N / NA	
Received in Good Condition (Y) N		Samples Accepted (Y) N	

Turn Around Time

☐ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☒ 72 hrs.

	1.	2.	3.
Relinquished by Sampler:		Relinquished by	Relinquished by
Signature:	[signature]	Signature:	Signature:
Printed Name:		Printed Name:	Printed Name:
Date: 8/5/10 Time: 16:32		Date: Time:	Date:
Received By:	1. ASL	Received By: 2.	Received By:
Signature:	[signature]	Signature:	Signature:
Printed Name:	Juan Martinez	Printed Name:	Printed Name:
Date: 8-5-10 Time: 16:32		Date: Time:	Date:

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#049
Date Received: 8-5-10 Sampler's Name: (Yes) No
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: _____

Section 2
Was the cooler packed with: ✓ 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: 8-5-10

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 259610
REPORTED 08/18/2010
RECEIVED 08/12/2010

PROJECT Station #049
3400 San Pablo 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
1102898	TOC#049 Total Inlet
1102899	TOC#049 MW-2R
1102900	TOC#049 MW-4R
1102901	TOC#049 RW-1R

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 #: 1102898
Matrix: AIR
Date Sampled: 08/11/2010
Time Sampled: 08:00
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC#049 Total Inlet

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	3.9	25	0.25	Vppm	08/13/10	SW
Ethyl benzene	11.3	25	0.25	Vppm	08/13/10	SW
Methyl t - butyl ether	10.8	25	2.5	Vppm	08/13/10	SW
Toluene	18.3	25	0.25	Vppm	08/13/10	SW
Xylene (total)	17.8	25	0.75	Vppm	08/13/10	SW
Benzene	12.3	25	0.75	ug/L	08/13/10	SW
Ethyl benzene	49.2	25	1.0	ug/L	08/13/10	SW
Methyl t - butyl ether	39.0	25	9.0	ug/L	08/13/10	SW
Toluene	68.7	25	1.0	ug/L	08/13/10	SW
Xylene (total)	77.7	25	3.25	ug/L	08/13/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	ND	100	0.1	Vppm	08/14/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	ND	100	0.36	ug/L	08/14/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	1760	25	125.0	Vppm	08/13/10	SW
Gasoline	7180	25	552.5	ug/L	08/13/10	SW

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

Order #: 1102899
Matrix: AIR
Date Sampled: 08/11/2010
Time Sampled: 08:10
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC#049 MW-2R

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	5.1	25	0.25	Vppm	08/13/10	SW
Ethyl benzene	15.7	25	0.25	Vppm	08/13/10	SW
Methyl t - butyl ether	18.0	25	2.5	Vppm	08/13/10	SW
Toluene	18.6	25	0.25	Vppm	08/13/10	SW
Xylene (total)	28.6	25	0.75	Vppm	08/13/10	SW
Benzene	16.2	25	0.75	ug/L	08/13/10	SW
Ethyl benzene	68.0	25	1.0	ug/L	08/13/10	SW
Methyl t - butyl ether	64.6	25	9.0	ug/L	08/13/10	SW
Toluene	69.9	25	1.0	ug/L	08/13/10	SW
Xylene (total)	124.0	25	3.25	ug/L	08/13/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	0.18	175	0.175	Vppm	08/15/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	0.67	175	0.63	ug/L	08/15/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	2060	25	125.0	Vppm	08/13/10	SW
Gasoline	8420	25	552.5	ug/L	08/13/10	SW

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

Order #: 1102900
Matrix: AIR
Date Sampled: 08/11/2010
Time Sampled: 08:20
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC#049 MW-4R

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	4.4	25	0.25	Vppm	08/13/10	SW
Ethyl benzene	15.7	25	0.25	Vppm	08/13/10	SW
Methyl t - butyl ether	13.8	25	2.5	Vppm	08/13/10	SW
Toluene	17.1	25	0.25	Vppm	08/13/10	SW
Xylene (total)	27.4	25	0.75	Vppm	08/13/10	SW
Benzene	14.0	25	0.75	ug/L	08/13/10	SW
Ethyl benzene	68.3	25	1.0	ug/L	08/13/10	SW
Methyl t - butyl ether	49.8	25	9.0	ug/L	08/13/10	SW
Toluene	64.2	25	1.0	ug/L	08/13/10	SW
Xylene (total)	119.0	25	3.25	ug/L	08/13/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	0.10	100	0.1	Vppm	08/14/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	0.37	100	0.36	ug/L	08/14/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	1900	25	125.0	Vppm	08/13/10	SW
Gasoline	7770	25	552.5	ug/L	08/13/10	SW

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

Order #: 1102901
Matrix: AIR
Date Sampled: 08/11/2010
Time Sampled: 08:30
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC#049 RW-1R

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	5.8	25	0.25	Vppm	08/13/10	SW
Ethyl benzene	15.4	25	0.25	Vppm	08/13/10	SW
Methyl t - butyl ether	17.4	25	2.5	Vppm	08/13/10	SW
Toluene	20.8	25	0.25	Vppm	08/13/10	SW
Xylene (total)	25.8	25	0.75	Vppm	08/13/10	SW
Benzene	18.7	25	0.75	ug/L	08/13/10	SW
Ethyl benzene	66.8	25	1.0	ug/L	08/13/10	SW
Methyl t - butyl ether	62.6	25	9.0	ug/L	08/13/10	SW
Toluene	78.3	25	1.0	ug/L	08/13/10	SW
Xylene (total)	112	25	3.25	ug/L	08/13/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	ND	175	0.175	Vppm	08/15/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	ND	175	0.63	ug/L	08/15/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	2350	25	125.0	Vppm	08/13/10	SW
Gasoline	9610	25	552.5	ug/L	08/13/10	SW

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

Chain of Custody Record

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

A.L. Job No. 259610 Page 1 of 1

Company	THRIFTY OIL CO
Phone	
Project Manager	SIMON TREGURTHA
Fax	
Project Name	TOC# 049
Project #	
Site Name and Address	3400 SAN PABLO AVE OAKLAND, CA 94608

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPH-G (8015)	BTEX/MTBE (8021)	CONFIRM MTBE IF DETECTED (8260B)	Test Instructions & Comments
1	TOTAL INLET		8/11/10	0800	AIR	TEDLAR	NONE	X	X	X	GSO SHIPPING
2	MW-2R		↓	0810	↓	↓	↓	↓	↓	↓	
3	MW-4R			0820							
4	RW-1R			0830							
5											
6											
7											
8											
9											
10	RESULTS DUE IN 72-HRS										
11											email noelsherm
12											
13											
14											
15											

Analysis Requested

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☐ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☒ 72 hrs.

	1. Relinquished by Sampler:	2. Relinquished by	3. Relinquished by
Signature:	Noel Sherman		
Printed Name:			
Date / Time:	8/12/10	/	/
	1. Received By:	2. Received By:	3. Received By:
Signature:			
Printed Name:	Jean Montoya		
Date / Time:	8-12-10 16:56	/	/

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 259641
REPORTED 08/17/2010
RECEIVED 08/12/2010

PROJECT Station#049
3400 San Pablo 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
1102982	TOC # 049, MW-2R
1102983	TOC # 049, MW-4R
1102984	TOC # 049, RW-1R
1102985	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 #: 1102982 **Client Sample ID:** TOC # 049, MW-2R

Matrix: WATER **Date Sampled:** 08/11/2010 **Time Sampled:** 08:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B Volatile Organic Compounds						
Benzene	5.4	1.0	1	0.18	ug/L	08/14/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/14/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	08/14/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/14/10 RP
Methyl-tert-butylether (MTBE)	70	1.0	1	0.19	ug/L	08/14/10 RP
Tert-amylmethylether (TAME)	11	1.0	1.0	0.19	ug/L	08/14/10 RP
Tertiary butyl alcohol (TBA)	774	1.0	10	5.2	ug/L	08/14/10 RP
Toluene	ND	1.0	5	0.24	ug/L	08/14/10 RP
Xylenes, total	5.3	1.0	5	0.45	ug/L	08/14/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	93				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	102				%	70 - 135
Surr3 - Toluene-d8	101				%	70 - 135
Surr4 - p-Bromofluorobenzene	105				%	70 - 135
8015M - Gasoline						
Gasoline	1560	1.0	50	6.6	ug/L	08/15/10 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	106				%	60 - 140

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

Order #: 1102983 **Client Sample ID:** TOC # 049, MW-4R
Matrix: WATER **Date Sampled:** 08/11/2010 **Time Sampled:** 08:50

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B Volatile Organic Compounds						
Benzene	23	1.0	1	0.18	ug/L	08/14/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/14/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	08/14/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/14/10 RP
Methyl-tert-butylether (MTBE)	567	10.0	10.0	1.9	ug/L	08/17/10 RP
Tert-amylmethylether (TAME)	23	1.0	1.0	0.19	ug/L	08/14/10 RP
Tertiary butyl alcohol (TBA)	1830	10.0	100.0	52.0	ug/L	08/17/10 RP
Toluene	ND	1.0	5	0.24	ug/L	08/14/10 RP
Xylenes, total	16	1.0	5	0.45	ug/L	08/14/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	101				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	95				%	70 - 135
Surr3 - Toluene-d8	102				%	70 - 135
Surr4 - p-Bromofluorobenzene	106				%	70 - 135
8015M - Gasoline						
Gasoline	2400	1.0	50	6.6	ug/L	08/15/10 SW
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=Tra

Order #: 1102984 **Client Sample ID:** TOC # 049, RW-1R
Matrix: WATER **Date Sampled:** 08/11/2010 **Time Sampled:** 09:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B Volatile Organic Compounds						
Benzene	40	1.0	1	0.18	ug/L	08/14/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/14/10 RP
Ethyl benzene	99	1.0	5	0.21	ug/L	08/14/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/14/10 RP
Methyl-tert-butylether (MTBE)	186	1.0	1	0.19	ug/L	08/14/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/14/10 RP
Tertiary butyl alcohol (TBA)	340	1.0	10	5.2	ug/L	08/14/10 RP
Toluene	18	1.0	5	0.24	ug/L	08/14/10 RP
Xylenes, total	1300	10.0	50.0	4.5	ug/L	08/17/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	96				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	83				%	70 - 135
Surr3 - Toluene-d8	101				%	70 - 135
Surr4 - p-Bromofluorobenzene	119				%	70 - 135
8015M - Gasoline						
Gasoline	5900	10.0	500.0	66.0	ug/L	08/14/10 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	97				%	60 - 140

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

Order #: 1102985 **Client Sample ID:** Laboratory Method Blank

Matrix: WATER

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B Volatile Organic Compounds						
Benzene	ND	1.0	1	0.18	ug/L	08/14/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/14/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	08/14/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/14/10 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	08/14/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/14/10 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	08/14/10 RP
Toluene	ND	1.0	5	0.24	ug/L	08/14/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	08/14/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	87				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 135
Surr3 - Toluene-d8	97				%	70 - 135
Surr4 - p-Bromofluorobenzene	104				%	70 - 135
8015M - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	08/13/10 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	95				%	60 - 140

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

Chain of Custody Record

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

Company	THRIFTY OIL CO	Phone	
Project Manager	SIMON TREGURTHA	Fax	
Project Name	TOC#049	Project #	
Site Name and Address	3400 SAN PABLO AVE OAKLAND, CA		

A.L. Job No. 259641 Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPHG (8015)	Analysis Requested: BTEX + OXYS (8260B)	Test Instructions & Comments
1	MW-2R		8/11/10	0840	W	3 VOA	HCl	X	X	GSO SHIPPING
2	MW-4R		↓	0850	↓	↓	↓	↓	↓	
3	RW-1R		↓	0900	↓	↓	↓	↓	↓	
4										
5										
6										
7										
8										
9	RESULTS DUE IN 72-HRS									
10										
11										email
12										noelshen@
13										
14										
15										

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

❑ Normal ❑ Rush ❑ Same Day ❑ 24 hrs. ❑ 48 hrs. ~~❑ 72 hrs.~~

	Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature:	Noel Shenoi	Thu Chong	
Printed Name:		THU KHONG	
Date:	8/12/10 Time:	8/13/10 Time: 0930	Date: Time:
Received By:	1. ASL	2.	3.
Signature:			
Printed Name:	Jean Montag		
Date:	8-12-10 Time: 16:57	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 oil co.
Date Received: 8/13/10
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: _____
Project: _____
Sampler's Name: (Yes) No

Section 2
Was the cooler packed with: X Ice ___ Ice Packs ___ Bubble Wrap ___ Styrofoam ___ Paper ___ None ___ Other _____
Cooler or box temperature: 4°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?			
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: Mulchong Date: 8/13/10

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 260019
REPORTED 08/24/2010
RECEIVED 08/19/2010

PROJECT Station #049
3400 San Pablo 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
1104542	TOC#049 Total Inlet
1104543	TOC#049 MW-2R
1104544	TOC#049 MW-4R
1104545	TOC#049 RW-1R

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 #: 1104542
Matrix: AIR
Date Sampled: 08/18/2010
Time Sampled: 08:00
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC#049 Total Inlet

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	1.4	5	0.05	Vppm	08/20/10	SW
Ethyl benzene	5.9	5	0.05	Vppm	08/20/10	SW
Methyl t - butyl ether	4.7	5	0.5	Vppm	08/20/10	SW
Toluene	13.1	5	0.05	Vppm	08/20/10	SW
Xylene (total)	20.5	5	0.15	Vppm	08/20/10	SW
Benzene	4.6	5	0.15	ug/L	08/20/10	SW
Ethyl benzene	25.5	5	0.2	ug/L	08/20/10	SW
Methyl t - butyl ether	16.8	5	1.8	ug/L	08/20/10	SW
Toluene	49.2	5	0.2	ug/L	08/20/10	SW
Xylene (total)	89.1	5	0.65	ug/L	08/20/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	ND	100	0.1	Vppm	08/22/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	ND	100	0.36	ug/L	08/22/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	631	5	25.0	Vppm	08/20/10	SW
Gasoline	2580	5	110.5	ug/L	08/20/10	SW

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

Order #: 1104543
Matrix: AIR
Date Sampled: 08/18/2010
Time Sampled: 08:10
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC#049 MW-2R

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	2.0	5	0.05	Vppm	08/20/10	SW
Ethyl benzene	7.0	5	0.05	Vppm	08/20/10	SW
Methyl t - butyl ether	5.7	5	0.5	Vppm	08/20/10	SW
Toluene	20.5	5	0.05	Vppm	08/20/10	SW
Xylene (total)	21.2	5	0.15	Vppm	08/20/10	SW
Benzene	6.3	5	0.15	ug/L	08/20/10	SW
Ethyl benzene	30.4	5	0.2	ug/L	08/20/10	SW
Methyl t - butyl ether	20.6	5	1.8	ug/L	08/20/10	SW
Toluene	77	5	0.2	ug/L	08/20/10	SW
Xylene (total)	92.2	5	0.65	ug/L	08/20/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	0.11	100	0.1	Vppm	08/22/10	SW
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	0.39	100	0.36	ug/L	08/22/10	SW
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	908	5	25.0	Vppm	08/20/10	SW
Gasoline	3710	5	110.5	ug/L	08/20/10	SW

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

Order #: 1104544
Matrix: AIR
Date Sampled: 08/18/2010
Time Sampled: 08:20
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC#049 MW-4R

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	1.3	5	0.05	Vppm	08/20/10	SW
Ethyl benzene	5.4	5	0.05	Vppm	08/20/10	SW
Methyl t - butyl ether	4.6	5	0.5	Vppm	08/20/10	SW
Toluene	12.9	5	0.05	Vppm	08/20/10	SW
Xylene (total)	17.2	5	0.15	Vppm	08/20/10	SW
Benzene	4.2	5	0.15	ug/L	08/20/10	SW
Ethyl benzene	23.6	5	0.2	ug/L	08/20/10	SW
Methyl t - butyl ether	16.4	5	1.8	ug/L	08/20/10	SW
Toluene	48.4	5	0.2	ug/L	08/20/10	SW
Xylene (total)	74.8	5	0.65	ug/L	08/20/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	ND	100	0.1	Vppm	08/22/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	ND	100	0.36	ug/L	08/22/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	631	5	25.0	Vppm	08/20/10	SW
Gasoline	2580	5	110.5	ug/L	08/20/10	SW

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

Order #: 1104545
Matrix: AIR
Date Sampled: 08/18/2010
Time Sampled: 08:30
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC#049 RW-1R

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	1.9	5	0.05	Vppm	08/20/10	SW
Ethyl benzene	6.8	5	0.05	Vppm	08/20/10	SW
Methyl t - butyl ether	9.6	5	0.5	Vppm	08/20/10	SW
Toluene	17.9	5	0.05	Vppm	08/20/10	SW
Xylene (total)	26.0	5	0.15	Vppm	08/20/10	SW
Benzene	6.1	5	0.15	ug/L	08/20/10	SW
Ethyl benzene	29.4	5	0.2	ug/L	08/20/10	SW
Methyl t - butyl ether	34.5	5	1.8	ug/L	08/20/10	SW
Toluene	67.4	5	0.2	ug/L	08/20/10	SW
Xylene (total)	113	5	0.65	ug/L	08/20/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	0.12	100	0.1	Vppm	08/23/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	0.45	100	0.36	ug/L	08/23/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	821	5	25.0	Vppm	08/20/10	SW
Gasoline	3360	5	110.5	ug/L	08/20/10	SW

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

Chain of Custody Record

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

Company	THRIFTY OIL CO
Phone	
Project Manager	SIMON TREGURTHA
Fax	
Project Name	TOC# 049
Project #	
Site Name and Address	3400 SAN PABLO OAKLAND, CA

A.L. Job No. 2600019 Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	TPHG (8015)	BTEX / MTBE (8021B)	CONFIRM MTBE (8260B) IF DETECTED	Test Instructions & Comments
1	TOTAL INLET		8/18/10	0800	AIR	TEDLAR	NONE	X	X	X	GSO SHIPPING
2	MW-2R		↓	0810	↓	↓	↓	↓	↓	↓	
3	MW-4R			0820							
4	RW-1R			0830							
5											
6											
7											
8											
9											
10	RESULTS DUE IN 72 HRS										
11											email noelsherm
12											
13											
14											
15											

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☐ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☒ 72 hrs.

	1.	2.	3.
Relinquished by Sampler:			
Signature:	Noel Sherman		
Printed Name:			
Date: / Time:	8/19/10 14:30		
Received By:	ASL		
Signature:			
Printed Name:	Juan Martinez		
Date: / Time:	8-19-10 14:30		

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 260058
REPORTED 08/25/2010
RECEIVED 08/19/2010

PROJECT Station #049
3400 San Panlo 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
1104640	TOC#049 MW-2R
1104641	TOC#049 MW-4R
1104642	TOC#049 RW-1R
1104643	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 #: 1104640 **Client Sample ID:** TOC#049 MW-2R
Matrix: WATER **Date Sampled:** 08/18/2010 **Time Sampled:** 08:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	7.1	1.0	1	0.18	ug/L	08/23/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/23/10 RP
Ethyl benzene	10.7	1.0	5	0.21	ug/L	08/23/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/23/10 RP
Methyl-tert-butylether (MTBE)	62.7	1.0	1	0.19	ug/L	08/23/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/23/10 RP
Tertiary butyl alcohol (TBA)	1290	10.0	100.0	52.0	ug/L	08/25/10 RP
Toluene	ND	1.0	5	0.24	ug/L	08/23/10 RP
Xylenes, total	42.9	1.0	5	0.45	ug/L	08/23/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	96				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	119				%	70 - 135
Surr3 - Toluene-d8	101				%	70 - 135
Surr4 - p-Bromofluorobenzene	100				%	70 - 135
8015B - Gasoline						
Gasoline	1130	1.0	50	6.6	ug/L	08/20/10 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	113				%	60 - 140

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

Order #: 1104641 **Client Sample ID:** TOC#049 MW-4R
Matrix: WATER **Date Sampled:** 08/18/2010 **Time Sampled:** 08:50

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	38.5	1.0	1	0.18	ug/L	08/23/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/23/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	08/23/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/23/10 RP
Methyl-tert-butylether (MTBE)	329	10.0	10.0	1.9	ug/L	08/23/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/23/10 RP
Tertiary butyl alcohol (TBA)	2880	10.0	100.0	52.0	ug/L	08/23/10 RP
Toluene	ND	1.0	5	0.24	ug/L	08/23/10 RP
Xylenes, total	4.0J	1.0	5	0.45	ug/L	08/23/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	96				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	90				%	70 - 135
Surr3 - Toluene-d8	101				%	70 - 135
Surr4 - p-Bromofluorobenzene	108				%	70 - 135
8015B - Gasoline						
Gasoline	2590	1.0	50	6.6	ug/L	08/20/10 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	121				%	60 - 140

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

Order #: 1104642 **Client Sample ID:** TOC#049 RW-1R

Matrix: WATER **Date Sampled:** 08/18/2010 **Time Sampled:** 09:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	21.4	1.0	1	0.18	ug/L	08/23/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/23/10 RP
Ethyl benzene	20.7	1.0	5	0.21	ug/L	08/23/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/23/10 RP
Methyl-tert-butylether (MTBE)	225	1.0	1	0.19	ug/L	08/23/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/23/10 RP
Tertiary butyl alcohol (TBA)	151	1.0	10	5.2	ug/L	08/23/10 RP
Toluene	4.2J	1.0	5	0.24	ug/L	08/23/10 RP
Xylenes, total	840	10.0	50.0	4.5	ug/L	08/23/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	98				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	114				%	70 - 135
Surr3 - Toluene-d8	102				%	70 - 135
Surr4 - p-Bromofluorobenzene	121				%	70 - 135
8015B - Gasoline						
Gasoline	4670	10.0	500.0	66.0	ug/L	08/20/10 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	109				%	60 - 140

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

Order #: 1104643 **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	08/23/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/23/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	08/23/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/23/10 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	08/23/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/23/10 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	08/23/10 RP
Toluene	ND	1.0	5	0.24	ug/L	08/23/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	08/23/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	87				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	114				%	70 - 135
Surr3 - Toluene-d8	111				%	70 - 135
Surr4 - p-Bromofluorobenzene	94				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	08/20/10 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	88				%	60 - 140

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

Chain of Custody Record

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

Company: THRIFTY OIL CO | Phone:
Project Manager: SIMON TREGURTHA | Fax:
Project Name: TOC #049 | Project #:
Site Name and Address: 3400 SAN PABLO AVE, OAKLAND, CA

A.L. Job No. 260058 | Page ____ of ____

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPH-G (8015)	Analysis Requested: BTEX + OXYS (8260B)	Test Instructions & Comments
1	MW-2R		8/18/10	0840	W	3 VOA	HCl	X	X	GSO SHIPPING
2	MW-4R		↓	0850	↓	↓	↓	↓	↓	
3	RW-1R		↓	0900	↓	↓	↓	↓	↓	
4										
5										
6										
7										
8										
9										
10	RESULTS DUE IN 72 HRS!									
11										email
12										noelshena
13										
14										
15										

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☐ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☒ 72 hrs.

	1. Relinquished by Sampler:	2. Relinquished by	3. Relinquished by
Signature:	Noel Shena		
Printed Name:			
Date: / Time:	8/19/10		
Received By:	1. ASL	2.	3.
Signature:			
Printed Name:	Jean Martin		
Date: / Time:	8-19-10 4:30		

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#049
Date Received: 8-19-10 Sampler's Name: (Yes) No
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: _____

Section 2
Was the cooler packed with: ✓ 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?	✓		
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: 8-19-10

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 260410
REPORTED 09/01/2010
RECEIVED 08/26/2010

PROJECT Station #049
3400 San Pablo, 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
1106427	TOC#049 Total Inlet
1106428	TOC#049 MW-2R
1106429	TOC#049 MW-4R
1106430	TOC#049 RW-1R

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 #: 1106427
Matrix: AIR
Date Sampled: 08/25/2010
Time Sampled: 08:00
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC#049 Total Inlet

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.4	5	0.05	Vppm	08/25/10	SW
Ethyl benzene	1.5	5	0.05	Vppm	08/25/10	SW
Methyl t - butyl ether	2.4	5	0.5	Vppm	08/25/10	SW
Toluene	2.1	5	0.05	Vppm	08/25/10	SW
Xylene (total)	10.3	5	0.15	Vppm	08/25/10	SW
Benzene	1.4	5	0.15	ug/L	08/25/10	SW
Ethyl benzene	6.4	5	0.2	ug/L	08/25/10	SW
Methyl t - butyl ether	8.7	5	1.8	ug/L	08/25/10	SW
Toluene	7.7	5	0.2	ug/L	08/25/10	SW
Xylene (total)	44.9	5	0.65	ug/L	08/25/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	0.07	50	0.05	Vppm	08/29/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	0.20	50	0.18	ug/L	08/29/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	360	5	25.0	Vppm	08/27/10	SW
Gasoline	1470	5	110.5	ug/L	08/27/10	SW

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

Order #: 1106428
Matrix: AIR
Date Sampled: 08/25/2010
Time Sampled: 08:10
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC#049 MW-2R

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.6	10	0.1	Vppm	08/27/10	SW
Ethyl benzene	1.4	10	0.1	Vppm	08/27/10	SW
Methyl t - butyl ether	4.2	10	1.0	Vppm	08/27/10	SW
Toluene	2.8	10	0.1	Vppm	08/27/10	SW
Xylene (total)	8.5	10	0.3	Vppm	08/27/10	SW
Benzene	1.9	10	0.3	ug/L	08/27/10	SW
Ethyl-benzene	5.9	10	0.4	ug/L	08/27/10	SW
Methyl t - butyl ether	15.0	10	3.6	ug/L	08/27/10	SW
Toluene	10.6	10	0.4	ug/L	08/27/10	SW
Xylene (total)	37.0	10	1.3	ug/L	08/27/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	ND	100	0.1	Vppm	08/29/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	ND	100	0.36	ug/L	08/29/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	462	1	5.0	Vppm	08/29/10	SW
Gasoline	1890	1	22.1	ug/L	08/29/10	SW

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

Order #: 1106429
Matrix: AIR
Date Sampled: 08/25/2010
Time Sampled: 08:20
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC#049 MW-4R

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.3	10	0.1	Vppm	08/27/10	SW
Ethyl benzene	1.1	10	0.1	Vppm	08/27/10	SW
Methyl t - butyl ether	1.6	10	1.0	Vppm	08/27/10	SW
Toluene	4.3	10	0.1	Vppm	08/27/10	SW
Xylene (total)	7.0	10	0.3	Vppm	08/27/10	SW
Benzene	1.1	10	0.3	ug/L	08/27/10	SW
Ethyl-benzene	4.9	10	0.4	ug/L	08/27/10	SW
Methyl t - butyl ether	6.0	10	3.6	ug/L	08/27/10	SW
Toluene	16.2	10	0.4	ug/L	08/27/10	SW
Xylene (total)	30.2	10	1.3	ug/L	08/27/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	0.07	50	0.05	Vppm	08/29/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	0.3	50	0.18	ug/L	08/29/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	326	10	50.0	Vppm	08/27/10	SW
Gasoline	1330	10	221.0	ug/L	08/27/10	SW

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

Order #: 1106430
Matrix: AIR
Date Sampled: 08/25/2010
Time Sampled: 08:30
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC#049 RW-1R

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	5.4	100	1.0	Vppm	08/27/10	SW
Ethyl benzene	12.8	100	1.0	Vppm	08/27/10	SW
Methyl t - butyl ether	20.4	100	10.0	Vppm	08/27/10	SW
Toluene	47.3	100	1.0	Vppm	08/27/10	SW
Xylene (total)	87.6	100	3.0	Vppm	08/27/10	SW
Benzene	17.3	100	3.0	ug/L	08/27/10	SW
Ethyl-benzene	55.6	100	4.0	ug/L	08/27/10	SW
Methyl t - butyl ether	73.6	100	36.0	ug/L	08/27/10	SW
Toluene	178	100	4.0	ug/L	08/27/10	SW
Xylene (total)	380	100	13.0	ug/L	08/27/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	0.07	50	0.05	Vppm	08/29/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	0.03	50	0.18	ug/L	08/29/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	3770	100	500.0	Vppm	08/27/10	SW
Gasoline	15420	100	2210.0	ug/L	08/27/10	SW

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

Chain of Custody Record

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

260419

Company: THRIFTY OIL CO | Phone:
Project Manager: SIMON TREGURTHA | Fax:
Project Name: TOC# 049 | Project #:
Site Name and Address: 3400 SAN PABLO OAKLAND, CA

A.L. Job No.: | Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPH-G (8015)	BTEX (MTBE 8020)	CONFIRM MTBE (8260B)	Calculate O.	Test Instructions & Comments
1	TOTAL INLET		8/25/10	0800	AIR	TEDLAR	NONE	X	X	X		GSO SHIPPING
2	MW-2R			0810								
3	MW-4R			0820								
4	RW-1R			0830								
5												
6												
7												
8												
9												
10	RESULTS DUE IN 72-HRS !											email noelsheri
11												
12												
13												
14												
15												

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☐ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☒ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: Noel Sheri	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 8/26/10 Time: 1634	Date: Time:	Date: Time:
Received By: 1.	Received By: 2.	Received By: 3.
Signature: M. Eldred	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 8/26/10 Time: 16:34	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 260411
REPORTED 09/07/2010
RECEIVED 08/26/2010

PROJECT Station #049
3400 San Pablo, 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
1106433	TOC #049 MW-2R
1106434	TOC #049 MW-4R
1106435	TOC #049 RW-1R
1106436	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 #: 1106433
Matrix: WATER

Client Sample ID: TOC #049 MW-2R
Date Sampled: 08/25/2010 **Time Sampled:** 08:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	10.0	10.0	1.8	ug/L	08/31/10 RP
Di-isopropyl ether (DIPE)	ND	10.0	10.0	2.0	ug/L	08/31/10 RP
Ethyl benzene	ND	10.0	50.0	2.1	ug/L	08/31/10 RP
Ethyl-tertbutylether (ETBE)	ND	10.0	10.0	2.3	ug/L	08/31/10 RP
Methyl-tert-butylether (MTBE)	38	10.0	10.0	1.9	ug/L	08/31/10 RP
Tert-amylmethylether (TAME)	ND	10.0	10.0	1.9	ug/L	08/31/10 RP
Tertiary butyl alcohol (TBA)	1720	10.0	100.0	52.0	ug/L	08/31/10 RP
Toluene	ND	10.0	50.0	2.4	ug/L	08/31/10 RP
Xylenes, total	ND	10.0	50.0	4.5	ug/L	08/31/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	87				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	109				%	70 - 135
Surr3 - Toluene-d8	95				%	70 - 135
Surr4 - p-Bromofluorobenzene	106				%	70 - 135
8015B - Gasoline						
Gasoline	609	1.0	50	6.6	ug/L	08/30/10 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	65				%	60 - 140

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

Order #: 1106434 **Client Sample ID:** TOC #049 MW-4R
Matrix: WATER **Date Sampled:** 08/25/2010 **Time Sampled:** 08:50

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	117	10.0	10.0	1.8	ug/L	08/31/10 RP
Di-isopropyl ether (DIPE)	ND	10.0	10.0	2.0	ug/L	08/31/10 RP
Ethyl benzene	ND	10.0	50.0	2.1	ug/L	08/31/10 RP
Ethyl-tertbutylether (ETBE)	ND	10.0	10.0	2.3	ug/L	08/31/10 RP
Methyl-tert-butylether (MTBE)	378	10.0	10.0	1.9	ug/L	08/31/10 RP
Tert-amylmethylether (TAME)	ND	10.0	10.0	1.9	ug/L	08/31/10 RP
Tertiary butyl alcohol (TBA)	4290	10.0	100.0	52.0	ug/L	08/31/10 RP
Toluene	ND	10.0	50.0	2.4	ug/L	08/31/10 RP
Xylenes, total	ND	10.0	50.0	4.5	ug/L	08/31/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	87				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	100				%	70 - 135
Surr3 - Toluene-d8	97				%	70 - 135
Surr4 - p-Bromofluorobenzene	103				%	70 - 135
8015B - Gasoline						
Gasoline	3940	8.0	400.0	52.8	ug/L	08/28/10 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	83				%	60 - 140

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

Order #: 1106435 **Client Sample ID:** TOC #049 RW-1R
Matrix: WATER **Date Sampled:** 08/25/2010 **Time Sampled:** 09:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	ND	1.0	1	0.18	ug/L	09/01/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	09/01/10 RP
Ethyl benzene	2.3J	1.0	5	0.21	ug/L	09/01/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	09/01/10 RP
Methyl-tert-butylether (MTBE)	165	1.0	1	0.19	ug/L	09/01/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	09/01/10 RP
Tertiary butyl alcohol (TBA)	306	1.0	10	5.2	ug/L	09/01/10 RP
Toluene	ND	1.0	5	0.24	ug/L	09/01/10 RP
Xylenes, total	57	1.0	5	0.45	ug/L	09/01/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	94				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	94				%	70 - 135
Surr3 - Toluene-d8	99				%	70 - 135
Surr4 - p-Bromofluorobenzene	111				%	70 - 135
8015B - Gasoline						
Gasoline	1970	1.0	50	6.6	ug/L	08/30/10 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	75				%	60 - 140

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

Order #: 1106436 **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	08/31/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	08/31/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	08/31/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	08/31/10 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	08/31/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	08/31/10 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	08/31/10 RP
Toluene	ND	1.0	5	0.24	ug/L	08/31/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	08/31/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	84				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	105				%	70 - 135
Surr3 - Toluene-d8	96				%	70 - 135
Surr4 - p-Bromofluorobenzene	100				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	08/28/10 SW
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	66				%	60 - 140

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

Chain of Custody Record

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

Company	THRIFTY OIL CO	Phone	
Project Manager	SIMON TREGURTHA	Fax	
Project Name	TOC #049	Project #	
Site Name and Address	3400 SAN PABLO, OAKLAND, CA	A.L. Job No.	260422

Page 1 of 1

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPHG (8015)	Analysis Requested: BTEX + OXYS (8260B)	Test Instructions & Comments
1	MW-2R		8/25/10	0840	W	3 VOA	HCl	X	X	GSO SHIPPING
2	MW-4R		↓	0850	↓	↓	↓	↓	↓	
3	RW-1R		↓	0900	↓	↓	↓	↓	↓	
4										
5										
6										
7										
8										
9										
10										
11										email
12										noelshemi
13										
14										
15										

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

❑ Normal ❑ Rush ❑ Same Day ❑ 24 hrs. ❑ 48 hrs. ☒ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: Noel Shemi	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 8/26/10 Time: 1633	Date: Time:	Date: Time:
Received By: 1.	**Received By: 2.**	**Received By: 3.**
Signature: M. Eeb	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 8/26/10 Time: 16:33	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#049
Date Received: 8-26-10 Sampler's Name: (Yes) No
Sample(s) received in cooler: (Yes) No (Skip Section 2)
Shipping Information: _____

Section 2
Was the cooler packed with: ✓ 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: 8-26-10

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 260924
REPORTED 09/15/2010
RECEIVED 09/07/2010

PROJECT Station #049
3400 San Pablo 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
1108579	TOC #049 Total Inlet
1108580	TOC #049 MW-2R
1108581	TOC #049 MW-4R
1108582	TOC #049 MW-1R

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 #: 1108579
Matrix: AIR
Date Sampled: 09/04/2010
Time Sampled: 15:10
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC #049 Total Inlet

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.18	1	0.01	Vppm	09/07/10	SW
Ethyl benzene	0.52	1	0.01	Vppm	09/07/10	SW
Methyl t - butyl ether	0.94	1	0.10	Vppm	09/07/10	SW
Toluene	2.3	1	0.01	Vppm	09/07/10	SW
Xylene (total)	3.3	1	0.03	Vppm	09/07/10	SW
Benzene	0.57	1	0.03	ug/L	09/07/10	SW
Ethyl benzene	2.3	1	0.04	ug/L	09/07/10	SW
Methyl t - butyl ether	3.4	1	0.36	ug/L	09/07/10	SW
Toluene	8.8	1	0.04	ug/L	09/07/10	SW
Xylene (total)	14	1	0.13	ug/L	09/07/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	0.048	13	0.0125	Vppm	09/10/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	0.17	13	0.045	ug/L	09/10/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	175	1	5.0	Vppm	09/07/10	SW
Gasoline	717	1	22.1	ug/L	09/07/10	SW

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

Order #: 1108580
Matrix: AIR
Date Sampled: 09/04/2010
Time Sampled: 15:20
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC #049 MW-2R

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.17	1	0.01	Vppm	09/07/10	SW
Ethyl benzene	0.21	1	0.01	Vppm	09/07/10	SW
Methyl t - butyl ether	0.35	1	0.10	Vppm	09/07/10	SW
Toluene	0.68	1	0.01	Vppm	09/07/10	SW
Xylene (total)	0.62	1	0.03	Vppm	09/07/10	SW
Benzene	0.53	1	0.03	ug/L	09/07/10	SW
Ethyl-benzene	0.91	1	0.04	ug/L	09/07/10	SW
Methyl t - butyl ether	1.2	1	0.36	ug/L	09/07/10	SW
Toluene	2.6	1	0.04	ug/L	09/07/10	SW
Xylene (total)	2.7	1	0.13	ug/L	09/07/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	0.048	7	0.007	Vppm	09/11/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	0.17	7	0.0252	ug/L	09/11/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	32	1	5.0	Vppm	09/07/10	SW
Gasoline	132	1	22.1	ug/L	09/07/10	SW

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

Order #: 1108581
Matrix: AIR
Date Sampled: 09/04/2010
Time Sampled: 15:30
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC #049 MW-4R

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.76	2	0.02	Vppm	09/08/10	SW
Ethyl benzene	0.56	2	0.02	Vppm	09/08/10	SW
Methyl t - butyl ether	1.6	2	0.2	Vppm	09/08/10	SW
Toluene	1.3	2	0.02	Vppm	09/08/10	SW
Xylene (total)	0.77	2	0.06	Vppm	09/08/10	SW
Benzene	2.4	2	0.06	ug/L	09/08/10	SW
Ethyl-benzene	2.4	2	0.08	ug/L	09/08/10	SW
Methyl t - butyl ether	5.9	2	0.72	ug/L	09/08/10	SW
Toluene	4.9	2	0.08	ug/L	09/08/10	SW
Xylene (total)	3.4	2	0.26	ug/L	09/08/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	0.057	50	0.05	Vppm	09/11/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	0.20	50	0.18	ug/L	09/11/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	300	2	10.0	Vppm	09/08/10	SW
Gasoline	1230	2	44.2	ug/L	09/08/10	SW

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

Order #: 1108582
Matrix: AIR
Date Sampled: 09/04/2010
Time Sampled: 15:40
Sampled By:

Client: Thrifty Oil Company
Client Sample ID: TOC #049 MW-1R

Analyte	Result	DF	DLR	Units	Date/Analyst	
8021B BTEX/MTBE in Air - (Vppm & ug/L)						
Benzene	0.42	2	0.02	Vppm	09/08/10	SW
Ethyl benzene	0.64	2	0.02	Vppm	09/08/10	SW
Methyl t - butyl ether	2.2	2	0.2	Vppm	09/08/10	SW
Toluene	3.1	2	0.02	Vppm	09/08/10	SW
Xylene (total)	3.5	2	0.06	Vppm	09/08/10	SW
Benzene	1.4	2	0.06	ug/L	09/08/10	SW
Ethyl benzene	2.8	2	0.08	ug/L	09/08/10	SW
Methyl t - butyl ether	7.9	2	0.72	ug/L	09/08/10	SW
Toluene	12	2	0.08	ug/L	09/08/10	SW
Xylene (total)	15	2	0.26	ug/L	09/08/10	SW
8260B Oxygenates in Air - (1 of 2)						
Methyl t- butyl ether (MTBE)	0.053	1	0.0010	Vppm	09/11/10	NZ
8260B Oxygenates in Air - (2 of 2)						
Methyl t- butyl ether (MTBE)	0.19	1	0.0036	ug/L	09/11/10	NZ
8015B - Gasoline in Air - (Vppm & ug/L)						
Gasoline	330	2	10.0	Vppm	09/08/10	SW
Gasoline	1350	2	44.2	ug/L	09/08/10	SW

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

ASSOCIATED LABORATORIES

QA REPORT FORM

QC Sample: 260780-123

Matrix: AIR

Prep. Date : September 7, 2010

Analysis Date: September 7, 2010

Lab ID#'s in Batch: 260888, 260923, 260924, 260718, 260780, 260781,

REPORTING UNITS = Vppm

SAMPLE DUPLICATE RESULT

Test	Method	Sample Result	Sample Duplicate	%RPD
Gas	8015M	874.93	886.05	1
Benzene	8021B	5.75	5.85	2
Toluene	8021B	13.99	13.83	1
Ethylbenzene	8021B	5.37	5.20	3
Xylenes	8021B	26.12	25.01	4

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 20%

ASSOCIATED LABORATORIES

QA REPORT FORM

QC Sample: 260949-673

Matrix: AIR

Prep. Date : September 8, 2010

Analysis Date: September 8, 2010

Lab ID#'s in Batch: 260949, 260924, 260950, 260929

REPORTING UNITS = Vppm

SAMPLE DUPLICATE RESULT

Test	Method	Sample Result	Sample Duplicate	%RPD
Gas	8015M	69.13	65.81	5
Benzene	8021B	0.04	0.04	0
Toluene	8021B	2.06	1.98	4
Ethylbenzene	8021B	0.11	0.10	10
Xylenes	8021B	0.37	0.34	8

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: 260924-579

Matrix: Air

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

Lab ID#'s in Batch: 260888, 260923, 260930, 260924

REPORTING UNITS = Vppb

SAMPLE DUPLICATE RESULT

Test	Sample Result	Sample Duplicate	%RPD
Toluene	72	74	2
Ethyl benzene	183	185	1
m,p-Xylenes	1,466	1,395	5
o-Xylene	485	490	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: 260924-581

Matrix: Air

Analysis Date: 9/10/2010 - 9/11/2010

Lab ID#'s in Batch: 261067, 260924, 261010, 260930, 260970, 260971, 261029

REPORTING UNITS = Vppb

SAMPLE DUPLICATE RESULT

Test	Sample Result	Sample Duplicate	%RPD
Toluene	ND	ND	0
Ethyl benzene	55	60	9
m,p-Xylenes	958	974	2
o-Xylene	270	276	2

ND = "U" - Not Detected

RPD = Relative Percent Difference of Sample Result and Sample Duplicate

RPD LIMITS = 20%

Chain of Custody Record

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

A.L. Job No. 260924 Page 1 of 1

Company	THRIFTY OIL CO
Phone	
Project Manager	SIMON TREGURTHA
Fax	
Project Name	TOC #049
Project #	
Site Name and Address	3400 SAN PABLO AVE OAKLAND CA

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPHG (8015)	BTEX + MTBE (8021B)	CONFIRM MTBE (8260B)	Test Instructions & Comments
1	TOTAL INLET		9/4/10	1510	AIR	Tedlar	NONE	X	X	X	
2	MW-2R			1520							
3	MW-4R			1530							
4	MW-1R			1540							
5											
6											
7											
8											
9											
10											
11											
12											email
13											noelsheni
14											
15											

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

	Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature:	Noel Sheni		
Printed Name:			
Date: / Time:	9/7/10 10:30		
	Received By: 1.	**Received By: 2.**	**Received By: 3.**
Signature:			
Printed Name:			
Date: / Time:	9-7-10 10:30		

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 260925
REPORTED 09/15/2010
RECEIVED 09/07/2010

PROJECT Station #049
3400 San Pablo 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
1108583	TOC #049 MW-2R
1108584	TOC #049 MW-4R
1108585	TOC #049 RW-1R
1108586	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. Behake, 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 #: 1108583 **Client Sample ID:** TOC #049 MW-2R
Matrix: WATER **Date Sampled:** 09/04/2010 **Time Sampled:** 16:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	8.0	1.0	1	0.18	ug/L	09/10/10 RP
Di-isopropyl ether (DIPE)	1.2	1.0	1.0	0.20	ug/L	09/10/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	09/10/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	09/10/10 RP
Methyl-tert-butylether (MTBE)	40	1.0	1	0.19	ug/L	09/10/10 RP
Tert-amylmethylether (TAME)	7.2	1.0	1.0	0.19	ug/L	09/10/10 RP
Tertiary butyl alcohol (TBA)	1730	10.0	100.0	52.0	ug/L	09/13/10 RP
Toluene	ND	1.0	5	0.24	ug/L	09/10/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	09/10/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	88				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	103				%	70 - 135
Surr3 - Toluene-d8	97				%	70 - 135
Surr4 - p-Bromofluorobenzene	102				%	70 - 135
8015B - Gasoline						
Gasoline	288	1.0	50	6.6	ug/L	09/08/10 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	117				%	60 - 140

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

Order #: 1108584
Matrix: WATER

Client Sample ID: TOC #049 MW-4R
Date Sampled: 09/04/2010 **Time Sampled:** 16:38

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	160	10.0	10.0	1.8	ug/L	09/10/10 RP
Di-isopropyl ether (DIPE)	ND	10.0	10.0	2.0	ug/L	09/10/10 RP
Ethyl benzene	ND	10.0	50.0	2.1	ug/L	09/10/10 RP
Ethyl-tertbutylether (ETBE)	ND	10.0	10.0	2.3	ug/L	09/10/10 RP
Methyl-tert-butylether (MTBE)	414	10.0	10.0	1.9	ug/L	09/10/10 RP
Tert-amylmethylether (TAME)	ND	10.0	10.0	1.9	ug/L	09/10/10 RP
Tertiary butyl alcohol (TBA)	4420	10.0	100.0	52.0	ug/L	09/10/10 RP
Toluene	ND	10.0	50.0	2.4	ug/L	09/10/10 RP
Xylenes, total	ND	10.0	50.0	4.5	ug/L	09/10/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	86				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	101				%	70 - 135
Surr3 - Toluene-d8	99				%	70 - 135
Surr4 - p-Bromofluorobenzene	105				%	70 - 135
8015B - Gasoline						
Gasoline	2400	10.0	500.0	66.0	ug/L	09/08/10 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	114				%	60 - 140

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

Order #: 1108585 **Client Sample ID:** TOC #049 RW-1R

Matrix: WATER **Date Sampled:** 09/04/2010 **Time Sampled:** 16:42

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8260B BTEX/MTBE						
Benzene	3.9	1.0	1	0.18	ug/L	09/11/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	09/11/10 RP
Ethyl benzene	2.1J	1.0	5	0.21	ug/L	09/11/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	09/11/10 RP
Methyl-tert-butylether (MTBE)	201	1.0	1	0.19	ug/L	09/11/10 RP
Tert-amylmethylether (TAME)	4.8	1.0	1.0	0.19	ug/L	09/11/10 RP
Tertiary butyl alcohol (TBA)	193	1.0	10	5.2	ug/L	09/11/10 RP
Toluene	ND	1.0	5	0.24	ug/L	09/11/10 RP
Xylenes, total	18	1.0	5	0.45	ug/L	09/11/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	87				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	104				%	70 - 135
Surr3 - Toluene-d8	97				%	70 - 135
Surr4 - p-Bromofluorobenzene	104				%	70 - 135
8015B - Gasoline						
Gasoline	1000	5.0	250.0	33.0	ug/L	09/09/10 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	85				%	60 - 140

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

Order #: 1108586 **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	09/10/10 RP
Di-isopropyl ether (DIPE)	ND	1.0	1.0	0.20	ug/L	09/10/10 RP
Ethyl benzene	ND	1.0	5	0.21	ug/L	09/10/10 RP
Ethyl-tertbutylether (ETBE)	ND	1.0	1.0	0.23	ug/L	09/10/10 RP
Methyl-tert-butylether (MTBE)	ND	1.0	1	0.19	ug/L	09/10/10 RP
Tert-amylmethylether (TAME)	ND	1.0	1.0	0.19	ug/L	09/10/10 RP
Tertiary butyl alcohol (TBA)	ND	1.0	10	5.2	ug/L	09/10/10 RP
Toluene	ND	1.0	5	0.24	ug/L	09/10/10 RP
Xylenes, total	ND	1.0	5	0.45	ug/L	09/10/10 RP
Surrogates					**Units**	**Control Limits**
Surr1 - Dibromofluoromethane	86				%	70 - 135
Surr2 - 1,2-Dichloroethane-d4	112				%	70 - 135
Surr3 - Toluene-d8	96				%	70 - 135
Surr4 - p-Bromofluorobenzene	104				%	70 - 135
8015B - Gasoline						
Gasoline	ND	1.0	50	6.6	ug/L	09/08/10 LT
Surrogates					**Units**	**Control Limits**
p-Bromofluorobenzene (Sur)	109				%	60 - 140

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

Chain of Custody Record

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

A.L. Job No. 260925

Page 1 of 1

Company	THRIFTY OIL CO
Phone	
Project Manager	SIMON TREGURTHA
Fax	
Project Name	TOC #049
Project #	
Site Name and Address	3400 SAN PABLO AVE, OAKLAND, CA

	Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	Analysis Requested: TPHG (8015)	Analysis Requested: BTEX + OXYS (8260B)	Test Instructions & Comments
1	MW-2R	✓	9/4/10	1630	W	3 VOA	HCl	X	X	
2	MW-4R	✓	↓	1638	↓	↓	↓	↓	↓	
3	RW-1R	✓	↓	1642	↓	↓	↓	↓	↓	
4										
5										
6										
7										
8										
9										
10										
11										email nvelshumi
12										
13										
14										
15										

Sample Receipt - To Be Filled By Laboratory

Total Number of Containers		Properly Cooled Y / N / NA	
Custody Seals Y / N / NA		Samples Intact Y / N / NA	
Received in Good Condition Y / N		Samples Accepted Y / N	

Turn Around Time

☒ Normal ☐ Rush ☐ Same Day ☐ 24 hrs. ☐ 48 hrs. ☐ 72 hrs.

Relinquished by Sampler: 1.	Relinquished by 2.	Relinquished by 3.
Signature: [signature]	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 9/7/10 Time: 10:29	Date: Time:	Date: Time:
Received By: 1.	**Received By: 2.**	**Received By: 3.**
Signature: [signature]	Signature:	Signature:
Printed Name:	Printed Name:	Printed Name:
Date: 9/7/10 Time: 10:29	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 9-7-10 Project: TOC #09/9
Date Received: 9-7-10 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: 4.2c

(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. Elbert Date: 9-7-10

ATTACHMENT 2

HIGH VACUUM DUAL PHASE EXTRACTION SYSTEM
FIELD DATA SHEETS

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

CALCLEAN INC.
(714) 734-9137

Project Location: 3400 SAN PABLO AVENUE City: OAKLAND Site #: THRIFTY #049 Date: 8/4/2010 Page 1 of 12

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

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-2R			MW-4R			RW-1R			MW-1		MW-3		MW-7				Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)				5 - 20			5 - 20			5 - 20			5 - 25		5 - 25		4 - 14					
	Initial Depth To Water DTW (ft)				4.87			4.53			4.95			5.78		6.28		5.80					
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
					ON		16'	ON		19'	ON		18'									986410	
1000	23	90	1432	3020																			
1030	23	90	1417	3580																			
1100	23	92	1435	4720	3070			3420			4070												
1200	23	91	1413	3970																			
1300	23	90	1405	3710																			
1400	23	93	1400	3480																			
1500	23	90	1400	3090																			
1600	23	90	1401	2760																			
1700	23	91	1403	2430																			
1800	22	98	1400	2190																			
1900	22	99	1400	2050																			
2000	22	97	670	1995	2190	13.02		2410	15.16		2930	14.20		0.00	5.91	0.03	6.30	0.04	5.96			987040	630
8/5																							
0001	22	98	684	1706																			
0400	21	110	659	1650																			
0800	21	108	635	1609	1593	14.92		1553	15.79		2050	17.13		0.00	6.03	0.02	6.32	0.04	6.21			987790	1380
1200	21	110	642	1720																			
1600	21	111	656	1581																			
2000	21	113	649	1463	1416	15.11		1560	15.45		1913	17.81		0.03	6.11	0.00	6.35	0.07	6.35			988420	2010

Comments: 8-4-10 TOTAL INLET @ 1100 (4720 PPMV). STACK @ 1105 (2 PPMV). MW-2R @ 1110 (3070 PPMV) MW-4R @ 1130 (3420 PPMV). RW-1R @ 1145 (4070 PPMV). GROUNDWATER MW-4R @ 1115. RW-1R @ 1120. MW-2R @ 1125. CHANGE TO CAT. @ 2000.

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

CALCLEAN INC.
(714) 734-9137

Project Location: 3400 SAN PABLO AVENUE City: OAKLAND Site #: THRIFTY #049 Date: 8 / 6 2010 Page 2 of 12

Client: THRIFTY OIL CO. Operator (s): NICK Supervisor: BERNARDO From: 8/7 To: _____

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-2R			MW-4R			RW-1R			MW-1		MW-3		MW-7				Water Meter Readings	Cumul. Water Extracted	
	Screen Interval: From-To (ft)				5 - 20			5 - 20			5 - 20			5 - 25		5 - 25		4 - 14						
	Initial Depth To Water DTW (ft)				4.87			4.53			4.95			5.78		6.28		5.80						
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	
8/6					ON		16'	ON		19'	ON		18'									986410		
0001	21	114	654	1485																				
0400	20	119	643	1968																				
0800	20	120	650	1503	1402	15.95		1499	15.54		1976	17.94		0.05	6.24	0.02	6.42	0.05	6.55			989050	2640	126
1200	20	122	656	1475																				
1600	20	118	652	1422																				
2000	20	120	660	1258	1390	16.05		1386	15.58		1742	18.07		0.00	6.35	0.04	6.50	0.07	6.61			989540	3130	117
8/7																								
0001	20	121	648	1263																				
0400	20	118	636	1281																				
0800	20	120	625	1159	1348	15.87		1502	15.60		1555	17.93		0.00	6.39	0.06	6.53	0.05	6.65			990030	3620	98
1200	20	122	631	1247																				
1600	20	119	627	1278																				
2000	20	121	634	1231	1416	15.73		1573	15.71		1603	17.81		0.00	6.42	0.03	6.58	0.06	6.68			990530	4120	99
8/8																								
0001	20	121	641	1163																				
0400	20	119	638	1124																				
0800	20	123	637	1078	1124	15.81		1406	15.77		1521	17.83		0.00	6.44	0.04	6.61	0.07	6.67			991040	4630	101
1200	20	120	631	1104																				
1600	20	123	634	1138																				

Comments:

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

CALCLEAN INC.
(714) 734-9137

Project Location: 3400 SAN PABLO AVENUE City: OAKLAND Site #: THRIFTY #049 Date: 8/8/2010 Page 3 of 12

Client: THRIFTY OIL CO. Operator (s): NICK Supervisor: BERNARDO From: 8/7 To:

						EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.					MW-2R			MW-4R			RW-1R			MW-1		MW-3		MW-7				Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)					5 - 20			5 - 20			5 - 20			5 - 25		5 - 25		4 - 14					
	Initial Depth To Water DTW (ft)																						
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
8/8						ON		16'	ON		19'	ON		18'									986410	
2000	20	119	634	1117		1146	15.83		1431	15.79		1493	17.84		0.02	6.47	0.05	6.64	0.06	6.64			991520	5110
8/9																								
0001	20	124	638	1081																				
0400	20	121	642	1054																				
0800	20	122	637	1021		1091	15.87		1391	15.82		1471	17.85		0.00	6.48	0.03	6.68	0.05	6.65			992010	5600
1200	20	124	648	1084																				
1600	20	121	644	1091																				
2000	20	123	638	1121		1131	15.84		1409	15.93		1492	17.87		0.03	6.51	0.04	6.69	0.04	6.61			992360	5950
8/10																								
0001	20	124	647	1093																				
0400	20	121	651	1017																				
0800	20	127	644	1056		1084	15.87		1372	15.91		1486	17.88		0.02	6.54	0.06	6.73	0.05	6.61			992610	6200
1200	19	136	631	973																				
1600	19	138	642	1017																				
2000	19	141	647	1046		1081	15.84		1395	15.87		1499	17.83		0.02	6.57	0.08	6.75	0.04	6.64			992900	6490
8/11																								
0001	19	143	644	1084																				

Comments:

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

CALCLEAN INC.
(714) 734-9137

Project Location: 3400 SAN PABLO AVENUE City: OAKLAND Site #: THRIFTY #049 Date: 8/11/2010 Page 4 of 12

Client: THRIFTY OIL CO. Operator (s): NICK Supervisor: BERNARDO From: 8/7 To:

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-2R			MW-4R			RW-1R			MW-1		MW-3		MW-7					
	Screen Interval: From-To (ft)				5 - 20			5 - 20			5 - 20			5 - 25		5 - 25		4 - 14					
	Initial Depth To Water DTW (ft)																					
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
8/11					ON		16'	ON		19'	ON		18'									986410	
0400	19	146	648	1148																			
0800	19	149	643	1183	1203	15.89		1497	15.87		1581	17.81		0.00	6.59	0.06	6.79	0.03	6.67			993120	6710
1200	19	147	647	1156																			
1600	19	148	641	1161																			
2000	19	144	642	1148	1209	15.91		1482	15.86		1546	17.92		0.00	6.58	0.06	6.78	0.03	6.69			993380	6970
8/12																							
0400	19	148	641	1161																			
0800	19	149	642	1174	1182	15.96		1384	15.91		1496	17.94		0.00	6.59	0.10	6.81	0.04	6.77			993620	7210
1200	19	147	636	1142																			
1600	19	146	634	962																			
2000	18	153	625	869	1056	15.96		1294	17.75		1380	18.03		0.00	6.63	0.09	6.83	0.06	7.34			993840	7430
8/13																							
0400	18	154	627	910																			
0800	18	153	625	880	1023	15.94		1008	16.09		1145	17.91		0.00	6.65	0.10	6.86	0.05	7.37			994070	7660
1200	18	152	645	967																			
1600	19	150	623	911																			
2000	19	152	638	908	1010	16.70		985	17.86		1080	18.35		0.00	6.84	0.14	7.25	0.09	7.41			994340	7930

Comments: 8/11 - TOOK VAPOR SAMPLES AS FOLLOWS - TOTAL INLET @ 0800, MW-2R @ 0810, MW-4R @ 0820, RW-1R @ 0830. TOOK INFLUENT H_2O SAMPLES AS FOLLOWS - MW-2R @ 0840, MW-4R @ 0850, RW-1R @ 0900

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

CALCLEAN INC.
(714) 734-9137

Project Location: 3400 SAN PABLO AVENUE City: OAKLAND Site #: THRIFTY #049 Date: 8/14/2010 Page 5 of 12

Client: THRIFTY OIL CO. Operator (s): FRANK Supervisor: BERNARDO From: 8/7 To: _____

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-2R			MW-4R			RW-1R			MW-1		MW-3		MW-7				Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)				5 - 20			5 - 20			5 - 20			5 - 25		5 - 25		4 - 14					
	Initial Depth To Water DTW (ft)				4.87			4.53			4.95			5.78		6.28		5.80					
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
8/14					ON		16'	ON		19'	ON		18'									986416	
0400	18	153	629	960																			
0800	19	151	633	847	950	16.65		838	18.01		845	18.22		0.00	6.91	0.11	7.26	0.10	7.44			994570	8160
1200	18	154	625	848																			
1600	19	150	624	821																			
2000	18	152	630	812	921	16.70		735	17.98		945	18.30		0.00	6.95	0.10	7.33	0.12	7.46			994820	8410
8/15																							
0400	18	154	630	801																			
0800	18	153	625	787	920	16.76		792	18.00		913	18.28		0.00	7.00	0.10	7.31	0.11	7.75			994980	8570
1200	18	151	627	824																			
1600	19	150	629	775																			
2000	18	152	630	749	910	16.72		780	18.02		900	18.23		0.00	6.92	0.09	7.29	0.10	7.60			995140	8730
8/16														0.00	7.03								
0400	18	154	625	738																			
0800	18	152	635	709	865	16.78		806	18.05		943	18.31		0.00	7.02	0.09	7.33	0.10	7.70			995300	8890
1200	18	151	640	771																			
1600	19	148	639	798																			
2000	19	148	651	706	824	16.65		752	18.03		886	18.22		0.00	7.01	0.11	7.36	0.12	7.48			995470	9060

Comments:

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

CALCLEAN INC.
(714) 734-9137

Project Location: 3400 SAN PABLO AVENUE City: OAKLAND Site #: THRIFTY #049 Date: 8/17/2010 Page 6 of 12

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

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-2R			MW-4R			RW-1R			MW-1		MW-3		MW-7				Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)				5 - 20			5 - 20			5 - 20			5 - 25		5 - 25		4 - 14					
	Initial Depth To Water DTW (ft)				4.87			4.53			4.95			5.78		6.28		5.80					
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
8/17					ON		16"	ON		19"	ON		18"									98410	
0400	17	161	628	697																			
0800	17	160	630	682	805	16.56		699	17.93		861	18.42		0.00	7.07	0.11	7.34	0.13	7.52			995580	9170
1200	18	154	650	705																			
1600	18	153	643	680																			
2000	18	151	636	679	781	16.63		624	18.15		776	18.30		0.00	7.09	0.11	7.37	0.12	7.60			995700	9290
8/18																							
0400	18	153	647	686																			
0800	18	153	653	665	749	16.70		551	18.02		750	18.25		0.00	7.05	0.12	7.39	0.13	7.65			995940	9530
1200	18	154	638	649																			
1600	18	152	642	622																			
2000	18	153	621	603	714	16.52		569	18.13		740	18.34		0.00	7.10	0.11	7.37	0.13	7.66			996060	9650
8/19																							
0400	17	160	642	618																			
0800	17	162	637	609	726	16.68		518	17.99		753	18.39		0.00	7.13	0.12	7.38	0.12	7.68			996180	9770
1200	17	164	653	586																			
1600	17	160	640	590																			
2000	17	161	631	579		16.73			18.14			18.26		0.00	7.08	0.12	7.35	0.13	7.67			996300	9890

Comments: 8-18-10 TOTAL INLET @ 0800 (665 PPMV). MW-2R @ 0810 (749 PPMV). MW-4R @ 0820 (551 PPMV
MW-1R @ 0830 (750 PPMV).
INFLUENT GROUNDWATER MW-2R @ 0840. MW-4R @ 0850. MW-1R @ 0900

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

CALCLEAN INC.
(714) 734-9137

Project Location: 3400 SAN PABLO AVENUE City: OAKLAND Site #: THRIFTY #049 Date: 8/19/2010 Page 7 of 12

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

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-2R			MW-4R			RW-1R			MW-1		MW-3		MW-7				Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)				5 - 20			5 - 20			5 - 20			5 - 25		5 - 25		4 - 14					
	Initial Depth To Water DTW (ft)				4.87			4.53			4.95			5.78		6.28		5.80					
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
																						986410	
8/20					ON		16'	ON		19'	ON		18'										
0400	17	163	640	584																			
0800	17	161	635	579	620	16.69		521	18.10		678	18.29		0.00	7.13	0.10	7.46	0.12	7.37			996420	10010
1200	17	164	641	628																			
1600	17	160	630	600																			
2000	17	162	627	592	582	16.70		525	18.08		658	18.30		0.00	7.11	0.11	7.41	0.13	7.42			996550	10,140
8/21																							
0400	17	164	626	568																			
0800	17	161	628	579	598	16.73		530	18.11		629	18.33		0.00	7.14	0.11	7.44	0.12	7.40			996660	10,250
1200	17	163	627	623																			
1600	19	144	640	546																			
2000	17	160	632	534	600	16.75		516	18.08		608	18.40		0.00	7.15	0.10	7.46	0.11	7.55			996780	10,370
8/22																							
0400	17	162	629	527																			
0800	17	160	625	514	576	16.72		505	18.12		616	18.37		0.00	7.12	0.10	7.43	0.11	7.52			996910	10,500
1200	17	161	633	580																			
1600	19	142	621	520																			
2000	19	140	632	500	547	16.69		473	18.06		520	18.31		0.00	7.18	0.11	7.47	0.12	7.51			997020	10,610

Comments:

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

CALCLEAN INC.
(714) 734-9137

Project Location: 3400 SAN PABLO AVENUE City: OAKLAND Site #: THRIFTY #049 Date: 8/23/2010 Page 8 of 12

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

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-2R			MW-4R			RW-1R			MW-1		MW-3		MW-7				Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)				5 - 20			5 - 20			5 - 20			5 - 25		5 - 25		4 - 14					
	Initial Depth To Water DTW (ft)				4.87			4.53			4.95			5.78		6.28		5.80					
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
																						986410	
8/23					ON		16'	ON		19'	ON		18'										
0400	19	144	633	509																			
0800	19	142	630	497	530	16.71		460	18.09		500	18.35		0.00	7.20	0.09	7.45	0.11	7.53				
1200	21	129	628	510																			
1600	23	92	625	495																			
2000	21	125	627	440	515	16.74		440	18.19		491	18.30		0.00	7.23	0.10	7.48	0.11	7.51			997150	10,740
8/24																							
0400	21	122	625	443																			
0800	19	144	628	424	491	16.76		425	18.24		508	18.33		0.00	7.31	0.10	7.45	0.12	7.55			997270	10860
1200	21	121	624	453																			
1600	23	94	626	435																			
2000	23	96	625	422	451	16.70		417	18.28		485	18.30		0.00	7.24	0.11	7.51	0.10	7.50			997400	10,990
8/25																							
0400	19	140	630	391																			
0800	19	143	625	382	444	16.72		376	18.33		474	18.31		0.00	7.28	0.10	7.53	0.10	7.49			997400	10,990
1200	19	141	642	418																			
1600	19	144	621	400																			
2000	19	142	623	384	438	16.71		380	18.31		446	18.34		0.00	7.25	0.09	7.46	0.10	7.48			997520	11,110

Comments: 8-25-2010 Total Inlet @ 0800 (382 ppmv), MW-2R @ 0810 (444 ppmv), MW-4R @ 0820 (376 ppmv), RW-1R @ 0830 (474 ppmv)

Influent Groundwater MW-2R @ 0840, MW-4R @ 0850, MW-1R @ 0900

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

CALCLEAN INC.
(714) 734-9137

Project Location: 3400 SAN PABLO AVENUE City: OAKLAND Site #: THRIFTY #049 Date: 8/26/2010 Page 9 of 12

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

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-2R			MW-4R			RW-1R			MW-1		MW-3		MW-7				Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)				5 - 20			5 - 20			5 - 20			5 - 25		5 - 25		4 - 14					
	Initial Depth To Water DTW (ft)				4.87			4.53			4.95			5.78		6.28		5.80					
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
																						986410	
8/26					ON		16'	ON		19'	ON		18'										
0400	19	140	624	406																			
0800	19	142	633	391	471	16.69		399	18.35		450	18.32		0.00	7.27	0.09	7.45	0.10	7.50			997630	11,220
1200	17	160	624	398																			
1600	17	163	639	381																			
2000	17	161	628	361	428	16.65		363	18.33		410	18.37		0.00	7.25	0.09	7.46	0.10	7.61			997760	11,350
8/27																							
0400	17	164	625	340																			
0800	17	162	625	329	400	16.66		339	18.30		395	18.40		0.00	7.28	0.10	7.50	0.10	7.58			997860	11,400
1200	17	160	638	350																			
1600	17	163	629	357																			
2000	17	161	632	320	385	16.60		317	18.32		373	18.39		0.00	7.33	0.10	7.48	0.10	7.60			997860	11,460
8/28																							
0400	17	160	624	406																			
0800	17	161	627	381	419	16.64		364	18.31		430	18.41		0.00	7.35	0.10	7.51	0.10	7.59			997980	11570
1200	17	160	643	410																			
1600	17	162	638	418																			
2000	17	164	630	431	452	16.62		411	18.28		479	18.49		0.00	7.30	0.10	7.50	0.10	7.63			998090	11,680

Comments:

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

CALCLEAN INC.
(714) 734-9137

Project Location: 3400 SAN PABLO AVENUE City: OAKLAND Site #: THRIFTY #049 Date: 8/29/2010 Page 10 of 12

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

					EXTRACTION WELLS									OBSERVATION WELLS									
	Well I.D.				MW-2R			MW-4R			RW-1R			MW-1		MW-3		MW-7				Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)				5 - 20			5 - 20			5 - 20			5 - 25		5 - 25		4 - 14					
	Initial Depth To Water DTW (ft)				4.87			4.53			4.95			5.78		6.28		5.80					
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
																						986410	
8/29					ON		16'	ON		19'	ON		18'										
0400	17	161	629	447																			
0800	17	160	625	461	479	16.64		430	18.29		490	18.52		0.00	7.27	0.09	7.53	0.10	7.67			998090	11,680
1200	17	163	626	457																			
1600	17	162	628	423																			
2000	17	160	633	389	400	16.60		390	18.23		420	18.55		0.00	7.23	0.09	7.55	0.10	7.71			998310	11,900
8/30																							
0400	17	161	633	361																			
0800	17	164	625	346	354	16.67		322	18.16		370	18.50		0.00	7.31	0.09	7.51	0.12	7.63			998310	11,900
1200	17	160	625	337																			
1600	17	162	640	324																			
2000	17	161	636	300	349	16.65		275	18.13		320	18.52		0.00	7.29	0.09	7.57	0.10	7.65			998440	12,030
8/31																							
0400	17	160	642	305																			
0800	17	163	630	290	298	16.69		200	18.14		301	18.49		0.00	7.32	0.09	7.53	0.10	7.61			998560	12,150
1200	18	154	633	326																			
1600	18	152	634	315																			
2000	18	150	637	327	230	16.71		215	18.16		310	18.45		0.00	7.34	0.09	7.55	0.10	7.63			998710	12300

Comments:

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

CALCLEAN INC.
(714) 734-9137

Project Location: 3400 SAN PABLO AVENUE City: OAKLAND Site #: THRIFTY #049 Date: 9/1/2010 Page 11 of 12

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

		EXTRACTION WELLS												OBSERVATION WELLS									
	Well I.D.	MW-2R				MW-4R				RW-1R				MW-1		MW-3		MW-7					
	Screen Interval: From-To (ft)	5 - 20				5 - 20				5 - 20				5 - 25		5 - 25		4 - 14					
	Initial Depth To Water DTW (ft)	4.87				4.53				4.95				5.78		6.28		5.86					
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
9/1					On		16'	On		19'	On		18'									986410	
0400	18	154	637	220																			
0800	18	153	642	225	242	16.77		179	18.70		372	1850		0.00	7.35	0.08	7.57	0.10	7.61			998760	12260
1200	18	151	645	242																			
1600	18	155	643	231																			
2000	18	152	631	246	251	16.74		202	18.61		351	18.53		0.00	7.41	0.08	7.60	0.10	7.61			998780	12370
9/2																							
0400	18	155	634								?												
0800	18	150	637	237	302			143	18.56		349	18.57		0.00		0.08	7.63	0.10	7.57			998900	12490
1200	18	153	641	223																			
1600	18	152	643	220																			
2000	18	157	645	226	237	16.70		165	18.53		332	18.60		0.00		0.08	7.67	0.05	7.56			998900	12490
9/3																							
0400	18	151	642	217																			
0800	18	155	642	215	220	16.71		174	18.56		315	18.63		0.00		0.08	7.69	0.05	7.58			999030	12620
1200	18	153	641	214																			
1600	18	150	646	223																			
2000	18	154	643	220	210	16.65		193	18.53		250	18.65		0.00		0.08	7.67	0.05	7.56			999030	12,620

Comments:

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

CALCLEAN INC.
(714) 734-9137

Project Location: 3400 SAN PABLO AVENUE City: OAKLAND Site #: THRIFTY #049 Date: 9/4/2010 Page 12 of 12

Client: THRIFTY OIL CO. Operator (s): DTrejo Supervisor: Val From: _____ To: _____

		EXTRACTION WELLS												OBSERVATION WELLS									
	Well I.D.	MW-2R			MW-4R			RW-1R			MW-1		MW-3		MW-7							
	Screen Interval: From-To (ft)	5 - 20			5 - 20			5 - 20			5 - 25		5 - 25		4 - 14							
	Initial Depth To Water DTW (ft)	4.87			4.53			4.95			5.98		6.28		5.80							
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
9/4					on		16'	on		19'	on		18'									984101	
0400	18	154	647	213																			
0800	18	152	643	205	223	16.70		177	18.72		210	18.54		0.00	7.32	0.08	7.57	0.10	7.60			999270	12869
1200	18	151	640	202																			
1500	18	150	638	204																			
"																							

Comments: 9-4-10 VAPOR Sample Took @ 1510 TOTALINLET (ppmv 205), MW-2R @ 1520 (ppmv 223) MW-4R @ 1530 (ppmv 177), RW-1 @ 1540 (ppmv 210) water Sample = MW-2R INF @ 1630), MW-4R @ 1638, RW-1R @ 1642. Demobed @ 1800. Total gw extracted - 12,869 gallons