Burns & McDonnell
SINCE 1898

April 19, 2007

2039

Ms. Donna Drogos
Local Oversight Program Manager
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

Subject: Groundwater Sampling
Roadway Express, Inc. Site
Oakland, California
Burns & McDonnell Project No. 42497
1708 Wood St

Dear Ms. Drogos:

Burns & McDonnell Engineering Company, Inc. (Burns & McDonnell) has been retained by YRC Worldwide Enterprise Services Inc. (YRCW) to prepare a letter report summarizing the groundwater sampling activities at the Roadway Express, Inc. truck terminal located at 1708 Wood Street, Oakland, CA (Site). Samples were collected for laboratory analysis of total petroleum hydrocarbons (TPH) to establish current conditions of the groundwater beneath the Site. Figure 1 shows the location of the Site.

1.0 Site Location And Description

The Roadway Express, Inc. Site is located at 1708 Wood Street in Oakland, California. The Site consists of a loading dock/warehouse and office (refer to Figure 2). The Site is completely fenced and guarded and the site is bordered by a residential park and ball field to the northeast; other surrounding properties are industrial. The Site is located within the Coast Ranges, approximately 1 mile east of the central east portion of the San Francisco Bay (Oakland Outer Harbor) at an elevation of approximately 10 feet above mean sea level (MSL). During historical drilling and soil sampling, Site geology was documented. Subsurface materials consisted of dark gray, very soft, moist clay to a depth of approximately 15 feet below ground surface (bgs) overlying approximately 10 feet of brown, soft, wet, silty sandy clay that extends from approximately 15 to at least 25 feet bgs; approximately 4 feet of brown, wet, silty clayey sand that extends from approximately 25 to 29 feet bgs; and a gray, very soft, wet clay of unknown thickness. The closest surface-water bodies to the Site are the Oakland Outer Harbor, located approximately 1 mile west of the Site, and the Oakland Inner Harbor, located approximately 1.75 miles south of the Site.

393 East Grand
Suite J
South San Francisco, California 94080
Tel: 650 871-2926
Fax: 650 871-2653
www.burnsmcd.com
California Contractor #709602

2.0 Regional and Site Geology

The Site is near the San Francisco Bay, and in the recent geologic past was part of the Bay. The near-surface geology has largely been controlled by the changing morphology of the Bay Area over geologic time.

3.0 Previous Investigations/Sampling Activities

The most recent investigation work completed at the Site was described in the *Additional Soil and Groundwater Investigation* report dated January 21, 2001 as prepared by One Environment of Long Beach, California for Roadway Express, Inc. of Akron, Ohio. This report concluded the following:

- Laboratory analysis of soil samples found no detectable amount of total petroleum hydrocarbons (TPH) – gasoline and diesel; benzene, toluene, ethylbenzene and xylenes (BTEX), methyl tertbutyl ether (MTBE); and oil and grease.
- Laboratory analysis of groundwater found detectable levels of diesel contamination from monitoring wells MW-3, MW-4 and MW-5. The detectable concentrations were 65.9 micrograms per liter (µg/L), 65.7 µg/L and 78.8 µg/L of TPH-diesel respectively. No detectable concentrations of TPH-g, BTEX, MTBE and oil and grease were present in any sample.

4.0 Groundwater Monitoring

4.1 Groundwater Monitoring Well Sampling

Groundwater samples were collected from the existing on-Site groundwater monitoring wells. These include Monitoring Wells MW-3, MW-4 and MW-5 (refer to Figure 3). Prior to collecting groundwater samples, the depth to the water table was measured from the ground surface using a decontaminated, battery-operated, water-level indicator. The water level for each boring was recorded in the field logbook.

Monitoring wells were purged using low-flow methodology. Clean disposable tubing was lowered to the middle of the screened interval. A Peristaltic pump was used to pump water from the well into a flow-through cell were stabilization parameters were measured using a multi-probe meter. Temperature, pH, specific conductance, ORP and DO were recorded on the Field Sampling Forms (See Appendix A). Turbidity was also measured visually and recorded. Once field parameters stabilized over at least three consecutive readings while a stabilized water elevation was maintained, the final set of field parameters are recorded, a sample was collected for field ferrous iron determination, the flow-through cell was disconnected and samples for laboratory analysis were collected at a pump rate at or below the rate where water elevation stability was obtained.

Each laboratory sample container was labeled with the sample number, date, and time of collection, type of preservative, and analyses to be performed. Once collected, each laboratory sample container was immediately placed in an ice-filled cooler. Collected samples were submitted for analysis for TPH-diesel, TPH-gasoline, MTBE, and Total Oil & Grease and held for analysis of semi-volatile organic compounds (SVOC) and halogenated volatile organic compounds (VOC). If the TPH-diesel results exceeded 100 milligrams per liter (mg/L) for any sample(s), the sample(s) were to be removed from hold and analyzed for SVOCs and halogenated VOCs.

4.2 Field Quality Control Samples

One field duplicate, or quality control (QC), sample was collected from MW-5 for laboratory analysis. This field duplicate sample was used to evaluate the precision of the field sampling and laboratory analysis. In addition, a trip blank was submitted to the analytical laboratory for analysis of VOCs, MTBE and TPH-gasoline.

5.0 Summary of Laboratory Analysis

Groundwater samples were collected from all three groundwater monitoring wells on Site. Table 1 presents the analytical results from the groundwater sampling event conducted on March 22, 2007.

Only one well had diesel range petroleum hydrocarbons (TPH-d) above the detection limit. Monitoring well MW-5 contained TPH-d a concentration of 500 µg/L. However, the laboratory noted that the chromatograms did not resemble the diesel standard, and that heavier hydrocarbons contributed to the quantitation. Since none of the sample results for TPH-d exceeded 100 mg/L, samples were not analyzed for SVOCs and VOCs.

Concentrations of TPH-g, MTBE, and Total Oil & Grease were below the detection limits in all of the samples collected. Copies of the laboratory report and chain-of-custody documentation are included as Appendix B.

6.0 Summary and Conclusions

Historical groundwater sampling completed by One Environment on January 21, 2001 reported low concentrations of TPH-d in Groundwater Monitoring Wells MW-3, MW-4, and MW-5. The reported concentrations were slightly above laboratory detection limits. The recent groundwater sampling completed by Burns & McDonnell shows that TPH-d is not present in Groundwater Monitoring Well MW-3 and MW-4 above laboratory detection limits; however, one sample from Groundwater Monitoring Well MW-5 contained TPH-d at a concentration of 500 µg/L.

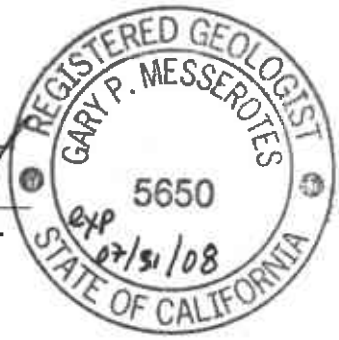
YRCW is extremely motivated to work with Alameda County Environmental Health Services (ACEHS) to bring this site to closure. Therefore, shortly after submittal of this report, YRCW will coordinate a teleconference or meeting to discuss remaining work, if any, needed to achieve no further action for the Site.

If you have any questions regarding this project please feel free to contact the undersigned at (650) 871-2926.

Sincerely,

Patrick Bratton
Geologist

Gary P. Messerotes, P.G.
Senior Geologist



Attachments:

Figure 1 – Site Vicinity Map
Figure 2 – Site Map
Figure 3 – Former UST Area

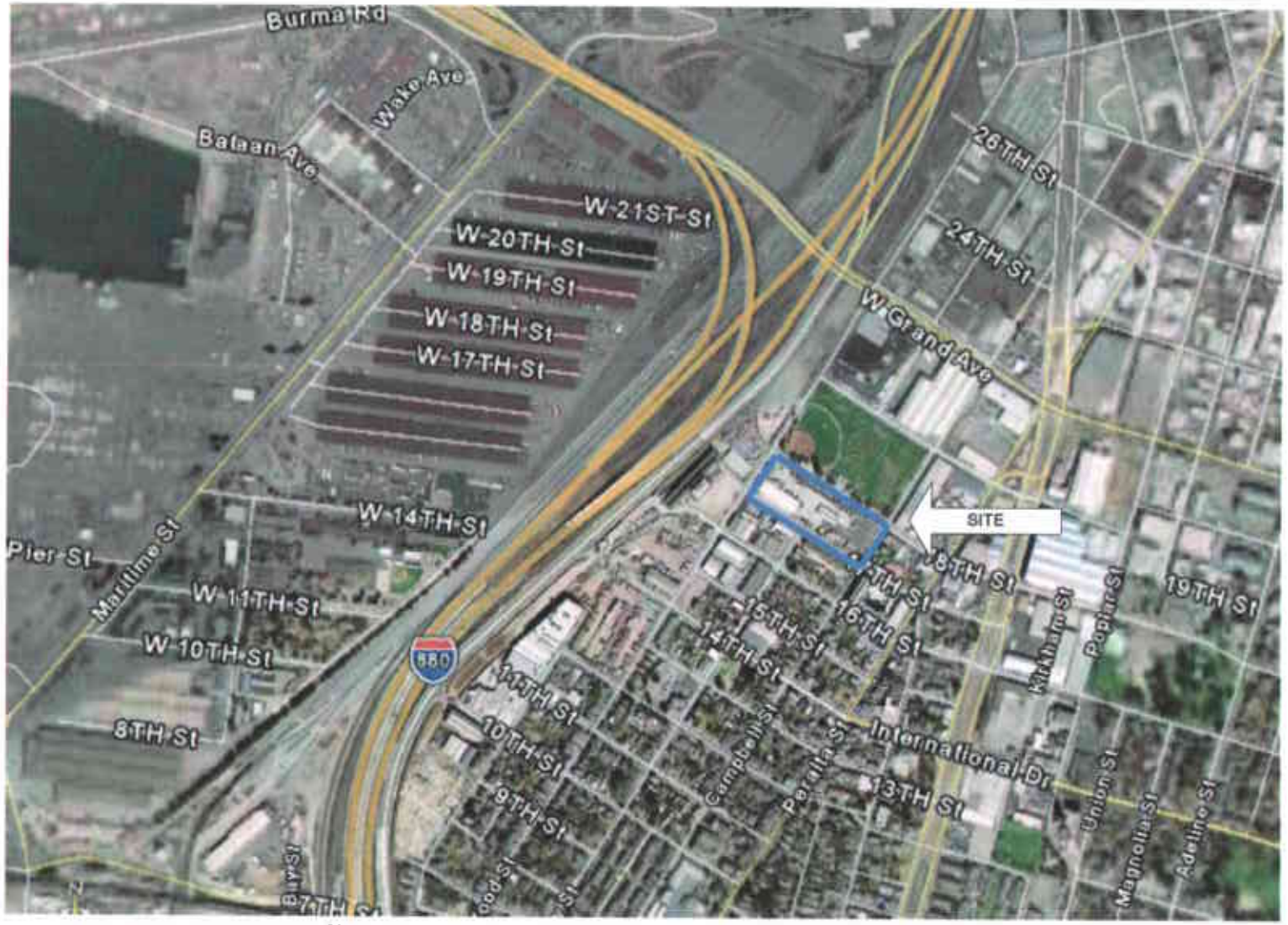
Table 1: Summary of Total Petroleum Hydrocarbons, MTBE and Oil & Grease

Appendix A – Field Sampling Forms
Appendix B – Laboratory Report and QA/QC document

TABLE 1
Summary of Total Petroleum Hydrocarbons, MTBE, and Total Oil & Grease
USF Roadway Express Facility
Oakland, CA

Well ID	Date Sampled	TPH-Diesel	TPH-Gasoline	MTBE	Total Oil & Grease
Analytical Reporting Units		µg/L	µg/L	µg/L	µg/L
MW-3	22-Mar-07	<50	<50	<0.5	<4.75
MW-4	22-Mar-07	<50	<50	<0.5	<4.75
MW-5	22-Mar-07	**500 HY**	<50	<0.5	<4.85

Concentrations above detection limits in Bold
H = Heavier hydrocarbons contributed to the quantitation
Y = Sample exhibits chromatographic pattern which does not resemble Standard



Source: Google Earth, 2006

N
W E
S

1,320' 0 1,320' 2,640'

Burns & McDonnell
SINCE 1898

FIGURE 1
Site Vicinity Map
Roadway Express
1708 Wood St.; Oakland, CA

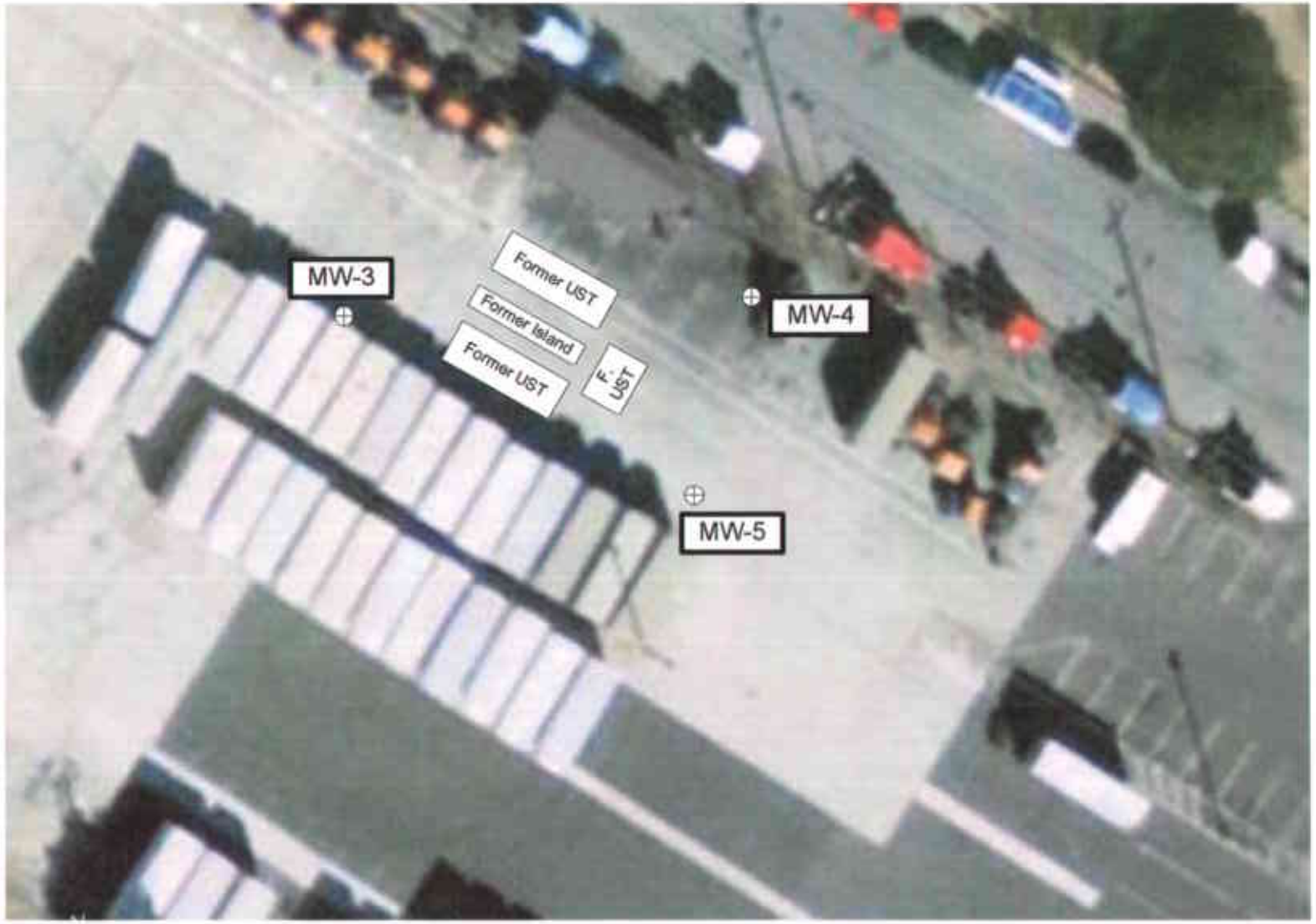
Source: Google Earth, 2006

N
W E
S

1,320' 0 1,320' 2,640'

Burns & McDonnell
SINCE 1898

FIGURE 2
Site Map
Roadway Express
1708 Wood St.; Oakland, CA



Source: Google Earth, 2006

Burns & McDonnell
SINCE 1898

FIGURE 3
Former UST Area
Roadway Express
1708 Wood St.; Oakland, CA

APPENDIX A

FIELD SAMPLING FORMS

Burns & McDonnell
SINCE 1898

GROUNDWATER SAMPLING FORM

Site Name: Yellow Frt. Oakland
Project Number: 42497
Recorded By: KSpencer

Well Number: MW-3
Well Type: (Monitor) Extraction Other:
Date: 3/22/07 Sample Time: 1345

Purge Method

Low Flow
Pumping Method: Peristaltic Pump
Other-Type:

Purge Volume

Casing Diameter (D in inches): 2"
Total Depth of Casing (TD in feet BTOC): 29.40
Water Level Depth (WL in feet BTOC): 4.04

Length of Tubing Down Well: 26'
Average Flow Rate:
Sampling Flow Rate:

PID: 0.0

Total Volume Generated (~~gallons~~): 3L

Start Time: 1330 Stop Time: 1405

Field Parameter Measurements

Time	Volume	Temp	DO	pH	Redox	Conductivity	Remarks
1338	INITIAL	20.7	~~8.9 103.7%~~	7.27	72.3	7289	slightly cloudy
1338	500mL	19.8	3.4%	6.62	67.2	7280	slightly cloudy
1340	1000mL	19.56	1.8%	6.53	59.7	7224	" "
1342	1500mL	19.56	1.6%	6.38	56.6	7183	" "
1343	2000mL	19.34	1.6%	6.44	53.6	7160	" "
							Fe= 0.44 mg/L

Notes:
Temperature is measured in degrees Celsius
Volume units are in mL
Conductivity units are in microsiemens per centimeter (mS/cm)

Sampling Information

Sample Point	Sample Designator	# of Containers	Preservatives	Analysis/Comments
MW-3		2x 1L	—	SVOCs
		1x 1L	HCl	Tot O+G
		1x 1L	—	TPH d
		5 VOAs	HCl	TPH g, MTBE
		3 VOAs	HCl	HVOCs

Burns & McDonnell
SINCE 1898

GROUNDWATER SAMPLING FORM

Site Name: Yellow Frt. Oakland
Project Number: 42497
Recorded By: KSpencer

Well Number: MW4
Well Type: (Monitor) Extraction Other:
Date: 3/22/07 Sample Time: 1300

Purge Method

Low Flow
Pumping Method: Peristaltic Pump
Other-Type:

Purge Volume

Casing Diameter (D in inches): 2"
Total Depth of Casing (TD in feet BTOC): 29.50
Water Level Depth (WL in feet BTOC): 3.25

Length of Tubing Down Well: 26.0'
Average Flow Rate:
Sampling Flow Rate:

PID: 0.0

Total Volume Generated ~~(gallons)~~: 5L

Start Time: 1232 Stop Time: 1323

Field Parameter Measurements

Time	Volume	Temp	DO	pH	Redox	Conductivity	Remarks
1236	INIT	21.45°C	27%	6.78	79.5	4935	Slightly cloudy
1238	500mL	20.00°C	6.0%	6.77	65.0	4880	Slightly cloudy
1241	1000mL	19.89°C	4.5%	6.75	58.6	4847	" "
1242	1500mL	19.80°C	4.3%	6.75	55.0	4835	" "
1244	2000mL	19.90°C	3.5%	6.76	53.0	4829	" "
1246	2500mL	19.90°C	3.8%	6.70	54.0	4822	" "
1247	3000mL	19.88°C	6.0%	6.76	53.0	4808	" "
1249	3500mL	19.89°C	5.6%	6.76	52.5	4796	" "
1250	4000mL	19.96°C	4.9%	6.77	49.8	4786	" "
							colorimeter reading Fe = 0.99 mg/L

Notes:
Temperature is measured in degrees Celsius
Volume units are in mL
Conductivity units are in microsiemens per centimeter (mS/cm)

Sampling Information

Sample Point	Sample Designator	# of Containers	Preservatives	Analysis/Comments
MW-4		2 x 1L	1 —	~~TPHd~~ SVOCs
		1 x 1L	HCl	Total O+G
		1 x 1L	—	TPHd
		5 VOAs	HCl	TPHg, MTBE
		3 VOA	HCl	HVOCs

Burns & McDonnell
SINCE 1898

GROUNDWATER SAMPLING FORM

Site Name: Yellow Frt. Oakland
Project Number: 42497
Recorded By: KSpencer

Well Number: MW-5
Well Type: ~~Monitor~~ Extraction Other:
Date: 3/22/07 Sample Time: 1435

Purge Method

Low Flow
Pumping Method: Peristaltic Pump
Other-Type:

Purge Volume

Casing Diameter (D in inches): 2"
Total Depth of Casing (TD in feet BTOC): 39.00
Water Level Depth (WL in feet BTOC): 3.73

Length of Tubing Down Well: 26'
Average Flow Rate:
Sampling Flow Rate:

PID = 4.8

Total Volume Generated ~~(gallons)~~: 7L

Start Time: 1420 Stop Time: 1450

Field Parameter Measurements

Time	Volume	Temp	DO	pH	Redox	Conductivity	Remarks
1422	INIT	20.51°C	3.4	6.90	10.1	8789	Slightly cloudy
1423	1000mL	20.31°C	2.0	6.71	0.9	8761	" "
1424	1500mL	20.38°C	1.7	6.74	-3.3	8743	" "
1425	2000mL	20.31°C	1.6	6.2	-5.1	8732	" "
1426	2500mL	20.24°C	1.4	6.59	-9.0	8683	" "
1427	3000mL	20.21°C	1.3	6.67	-11.3	8652	" "
1429	3500mL	20.22°C	1.2	6.69	-14.6	8626	" "
1430	4000mL	20.23°C	1.1	6.68	-16.9	8596	" "
1431	4500mL	20.20	1.0	6.67	-19.0	8543	" "
1432	5000mL	20.21	1.0	6.66	-22.9	8500	" "
1434	5500mL	20.22	1.0	6.63	-24.0	8478	

Notes: 1435 6000 20.22 1.0 6.59 -25.0 8459 Fe = 0.81 mg/L
Temperature is measured in degrees Celsius
Volume units are in mL
Conductivity units are in microsiemens per centimeter (mS/cm)

Sampling Information

Sample Point	Sample Designator	# of Containers	Preservatives	Analysis/Comments
MW-5		2x 1L	—	SVOCs
		1x 1L	HCl	Total O&G
		1x 1L	—	TPHd
		5 VOAs	HCl	TPHg, MTBE
		3 VOAs	HCl	HVOCs

APPENDIX B

LABORATORY REPORT
QA/QC REPORT

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Burns & McDonnell
393 East Grand Avenue
Suite J
South San Francisco, CA 94080

Date: 06-APR-07
Lab Job Number: 193645
Project ID: STANDARD
Location: Yellow Frt - Oakland

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**193645**
Client:	**Burns & McDonnell**
Location:	**Yellow Frt - Oakland**
Request Date:	**03/22/07**
Samples Received:	**03/22/07**

This hardcopy data package contains sample and QC results for five water samples, requested for the above referenced project on 03/22/07. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B):
No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Total Oil & Grease (HEM) (EPA 1664A):
Matrix spikes were not performed for this analysis due to insufficient sample volume. No analytical problems were encountered.

Burns & McDonnell SINCE 1898

193645

Request for Chemical Analysis and Chain of Custody Record

Burns & McDonnell Engineering
393 E. Grand Avenue, Suite J
So. San Francisco, CA 94080
Phone: (650) 871-2926 Fax: (650) 871-2653

Attention: Patrick Bratton

Laboratory: Curtis & Tompkins
Address: 2323 5th Street
City/State/Zip: Berkeley, CA
Telephone: (510) 486-0900

Document Control No.: 032207
Lab. Reference No. or Episode No.:

Project Number: 42497

Client Name: Yellow Frt - Oakland

Sample Number			Sample Event		Sample Depth (in feet)		Sample Collected		Sample Type / Matrix			Number of Containers	Analysis: MTBE (8020)	TPH-GRO (8015M)	TPH-DRO (8015M)	Total O&G (1664)	SVOC's (8270) *	HVOC's (8260B) *	Remarks
Group or SMWU Name	Sample Point	Sample Designator	Round	Year	From	To	Date	Time	Liquid	Solid	Gas								
-1	MW-3		~~200~~	2007			3/22/07	1345	X			12	X	X	X	X	H	H	*=Hold for Analysis
-2	MW-4			2007			3/22/07	1300	X			12	X	X	X	X	H	H	H=Hold for Analysis
-3	MW-5			2007			3/22/07	1435	X			12	X	X	X	X	H	H	
-4	DUP-1			2007			3/22/07	—	X			12	X	X	X	X	H	H	
-5	TB			2007			3/22/07	—	X			5	X					H	

Sampler (signature): Katherine Spencer

Sampler (signature):

Special Instructions: Only 11 samples for DUP-1 and 6 samples for TB. DAC 3/22/07

Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
1.	3/22/07		3/22/07
2.			

Ice Present in Container: Yes [X] No [ ]

Temperature Upon Receipt: 4.7°

Laboratory Comments:

extract & hold "H" samples.

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	193645	Location:	Yellow Frt - Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	123541
Units:	ug/L	Sampled:	03/22/07
Diln Fac:	1.000	Received:	03/22/07

Field ID: MW-3 Lab ID: 193645-001
Type: SAMPLE Analyzed: 03/28/07

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	72-136
Bromofluorobenzene (FID)	107	78-131

Field ID: MW-4 Lab ID: 193645-002
Type: SAMPLE Analyzed: 03/28/07

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	72-136
Bromofluorobenzene (FID)	103	78-131

Field ID: MW-5 Lab ID: 193645-003
Type: SAMPLE Analyzed: 03/28/07

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	91	72-136
Bromofluorobenzene (FID)	95	78-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	193645	Location:	Yellow Frt - Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	123541
Units:	ug/L	Sampled:	03/22/07
Diln Fac:	1.000	Received:	03/22/07

Field ID:	DUP-1	Lab ID:	193645-004
Type:	SAMPLE	Analyzed:	03/28/07

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	90	72-136
Bromofluorobenzene (FID)	93	78-131

Type:	BLANK	Analyzed:	03/27/07
Lab ID:	QC381022		

Analyte	Result	RL
Gasoline C7-C12	ND	50

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	72-136
Bromofluorobenzene (FID)	103	78-131

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	193645	Location:	Yellow Frt - Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC381024	Batch#:	123541
Matrix:	Water	Analyzed:	03/27/07
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	874.8	87	80-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	110	72-136
Bromofluorobenzene (FID)	117	78-131

Curtis & Tompkins, Ltd.

Batch QC Report

Total Volatile Hydrocarbons

Lab #:	193645	Location:	Yellow Frt - Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8015B
Field ID:	ZZZZZZZZZZ	Batch#:	123541
MSS Lab ID:	193617-015	Sampled:	03/21/07
Matrix:	Water	Received:	03/21/07
Units:	ug/L	Analyzed:	03/27/07
Diln Fac:	1.000		

Type: MS Lab ID: QC381025

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	7.708	2,000	1,862	93	79-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	72-136
Bromofluorobenzene (FID)	107	78-131

Type: MSD Lab ID: QC381026

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	2,000	1,781	89	79-120	4	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	104	72-136
Bromofluorobenzene (FID)	106	78-131

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	193645	Location:	Yellow Frt - Oakland
Client:	Burns & McDonnell	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	03/22/07
Units:	ug/L	Received:	03/22/07
Diln Fac:	1.000	Prepared:	03/28/07
Batch#:	123584		

Field ID: MW-3 Lab ID: 193645-001
Type: SAMPLE Analyzed: 03/30/07

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
Hexacosane	101	61-134

Field ID: MW-4 Lab ID: 193645-002
Type: SAMPLE Analyzed: 03/30/07

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
Hexacosane	98	61-134

Field ID: MW-5 Lab ID: 193645-003
Type: SAMPLE Analyzed: 03/30/07

Analyte	Result	RL
Diesel C10-C24	500 H Y	50

Surrogate	%REC	Limits
Hexacosane	92	61-134

Field ID: DUP-1 Lab ID: 193645-004
Type: SAMPLE Analyzed: 03/29/07

Analyte	Result	RL
Diesel C10-C24	710 H Y	50

Surrogate	%REC	Limits
Hexacosane	107	61-134

Type: BLANK Analyzed: 03/29/07
Lab ID: QC381219

Analyte	Result	RL
Diesel C10-C24	ND	50

Surrogate	%REC	Limits
Hexacosane	101	61-134

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	193645	Location:	Yellow Frt - Oakland
Client:	Burns & McDonnell	Prep:	EPA 3520C
Project#:	STANDARD	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	123584
Units:	ug/L	Prepared:	03/28/07
Diln Fac:	1.000	Analyzed:	03/29/07

Type: BS
Lab ID: QC381220

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24		NA		
Diesel C10-C24 (SGCU)	2,500	2,402	96	58-130

Surrogate	Result	%REC	Limits
Hexacosane	NA		
Hexacosane (SGCU)		99	61-134

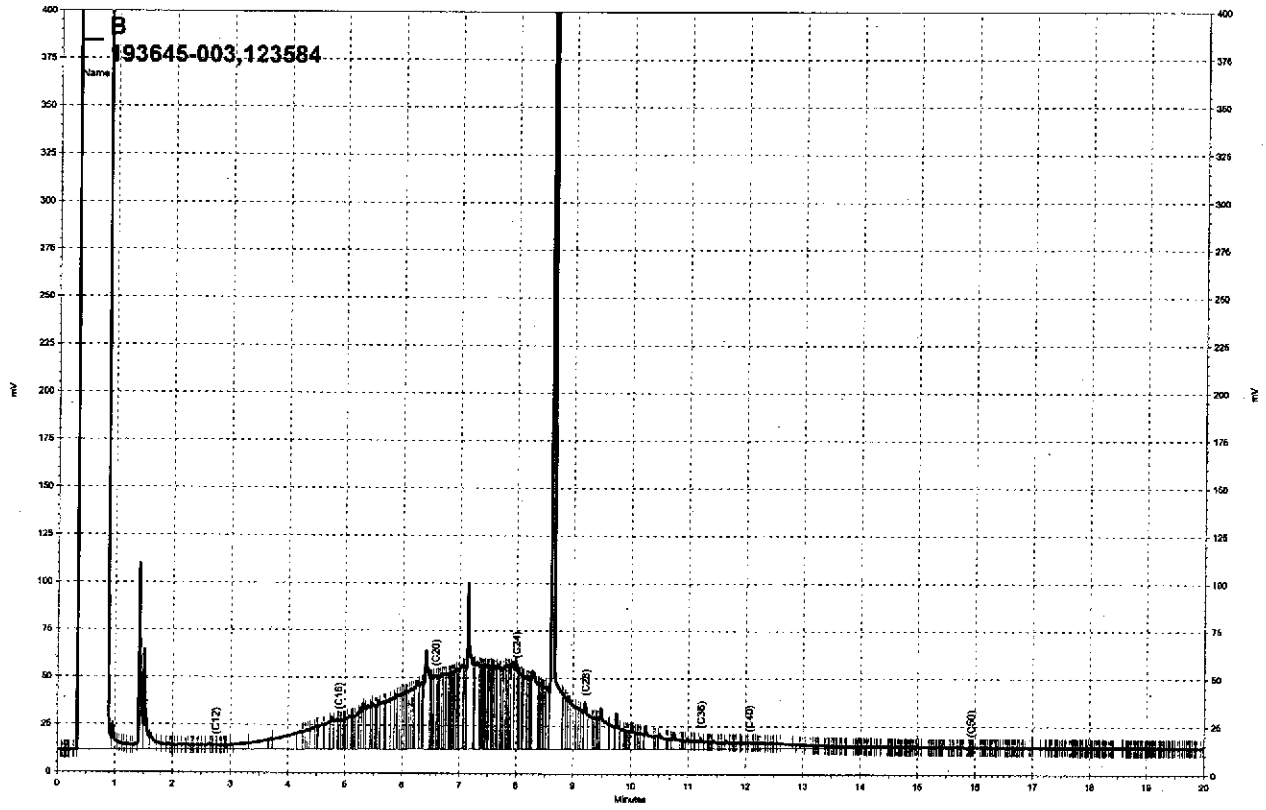
Type: BSD
Lab ID: QC381221

Cleanup Method: EPA 3630C

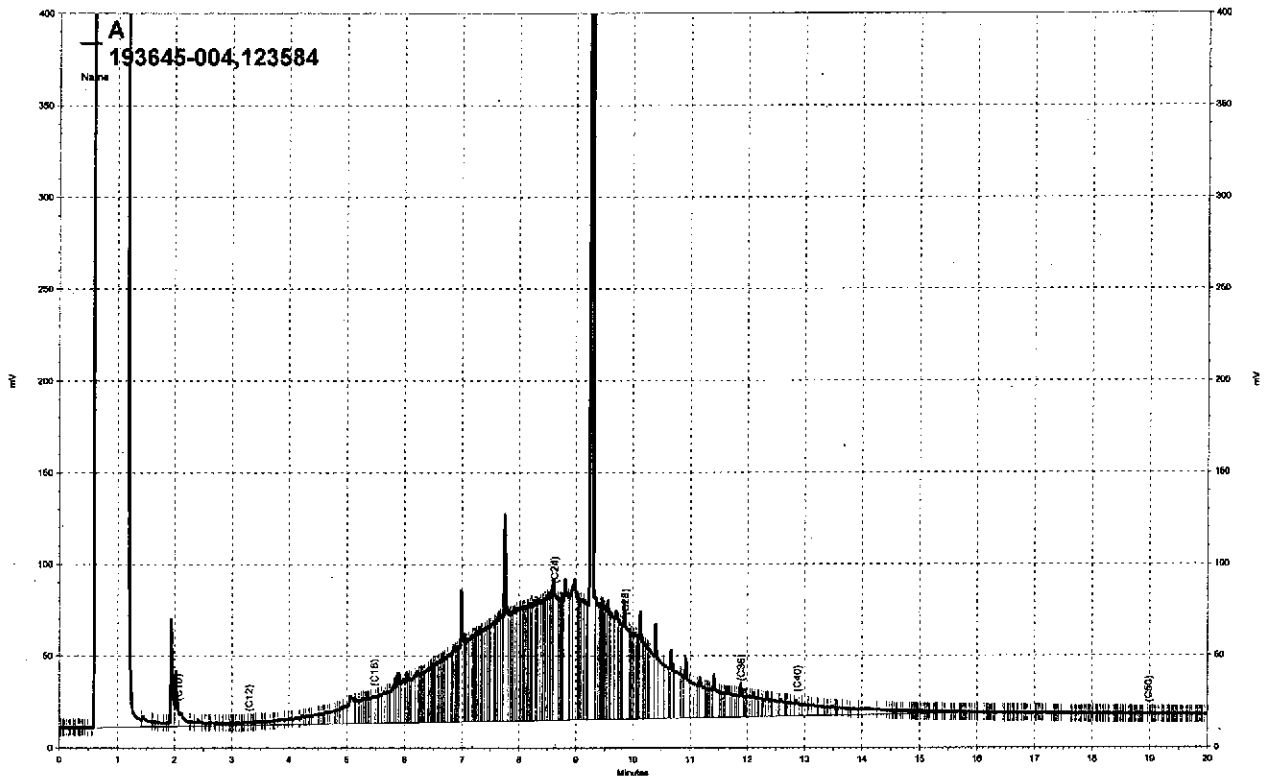
Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24		NA				
Diesel C10-C24 (SGCU)	2,500	2,456	98	58-130	2	27

Surrogate	Result	%REC	Limits
Hexacosane	NA		
Hexacosane (SGCU)		101	61-134

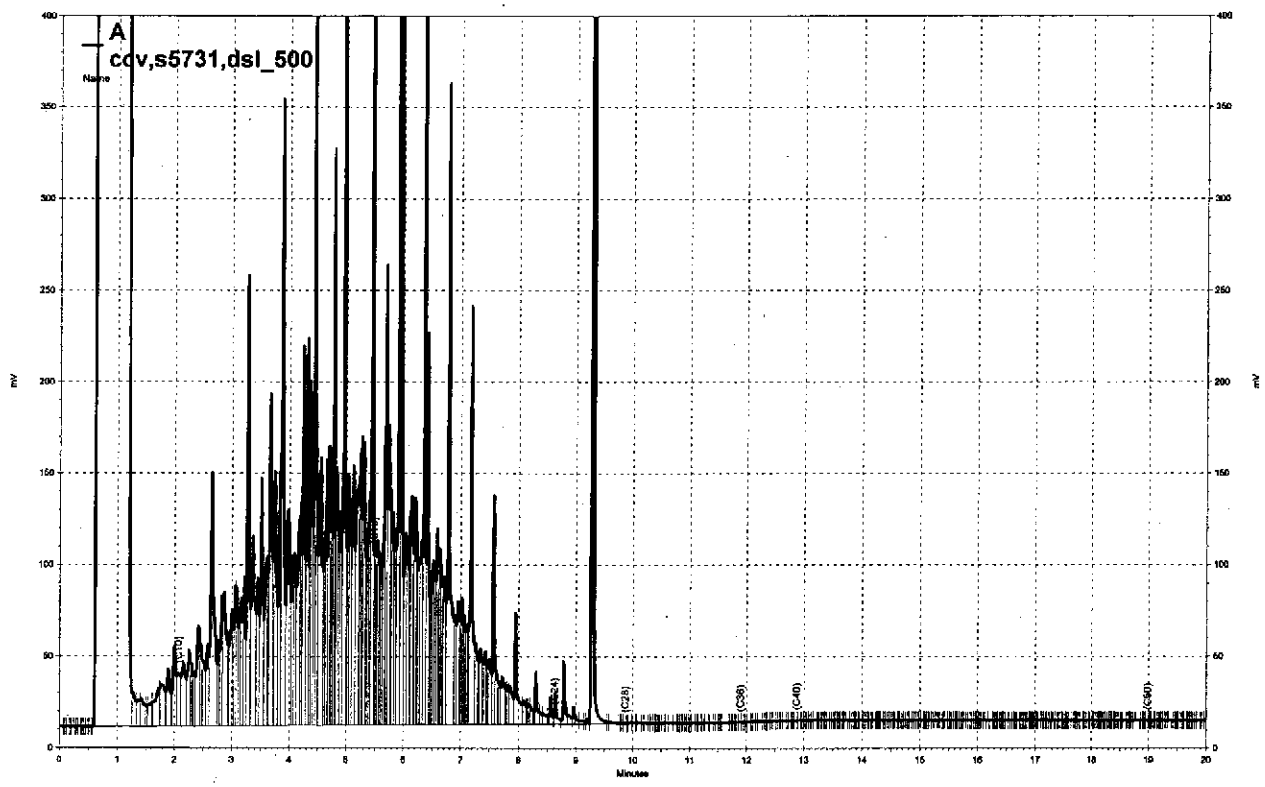
NA= Not Analyzed
RPD= Relative Percent Difference
SGCU= Silica gel cleanup



\\Lims\gdrive\ezchrom\Projects\GC14B\Data\088b037, B



\\Lims\gdrive\ezchrom\Projects\GC11A\Data\088a023, A



\\Lims\gdrive\ezchrom\Projects\GC11A\Data\088a016, A

Curtis & Tompkins, Ltd.

MTBE by GC/MS

Lab #:	193645	Location:	Yellow Frt - Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	03/22/07
Units:	ug/L	Received:	03/22/07
Diln Fac:	1.000	Analyzed:	03/28/07
Batch#:	123563		

Field ID: MW-3 Lab ID: 193645-001
Type: SAMPLE

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	110	80-123

Field ID: MW-4 Lab ID: 193645-002
Type: SAMPLE

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	109	80-123

Field ID: MW-5 Lab ID: 193645-003
Type: SAMPLE

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	112	80-123

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

MTBE by GC/MS

Lab #:	193645	Location:	Yellow Frt - Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	03/22/07
Units:	ug/L	Received:	03/22/07
Diln Fac:	1.000	Analyzed:	03/28/07
Batch#:	123563		

Field ID: DUP-1 Lab ID: 193645-004
Type: SAMPLE

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	111	80-123

Field ID: TB Lab ID: 193645-005
Type: SAMPLE

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-123

Type: BLANK Lab ID: QC381138

Analyte	Result	RL
MTBE	ND	0.5

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-123

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

MTBE by GC/MS			
Lab #:	193645	Location:	Yellow Frt - Oakland
Client:	Burns & McDonnell	Prep:	EPA 5030B
Project#:	STANDARD	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	123563
Units:	ug/L	Analyzed:	03/28/07
Diln Fac:	1.000		

Type: BS Lab ID: QC381139

Analyte	Spiked	Result	%REC	Limits
MTBE	25.00	28.08	112	71-120

Surrogate	%REC	Limits
Dibromofluoromethane	107	80-123

Type: BSD Lab ID: QC381140

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	25.00	27.60	110	71-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	106	80-123

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Oil & Grease (HEM)

Lab #:	193645	Location:	Yellow Frt - Oakland
Client:	Burns & McDonnell	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 1664A
Analyte:	Oil & Grease (HEM)	Sampled:	03/22/07
Matrix:	Water	Received:	03/22/07
Units:	mg/L	Analyzed:	03/28/07
Batch#:	123577		

Field ID	Type	Lab ID	Result	RL	Dil'n Fac
MW-3	SAMPLE	193645-001	ND	4.75	0.9500
MW-4	SAMPLE	193645-002	ND	4.75	0.9500
MW-5	SAMPLE	193645-003	ND	4.85	0.9700
DUP-1	SAMPLE	193645-004	ND	4.75	0.9500
	BLANK	QC381192	ND	5.00	1.000

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Oil & Grease (HEM)

Lab #:	193645	Location:	Yellow Frt - Oakland
Client:	Burns & McDonnell	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 1664A
Analyte:	Oil & Grease (HEM)	Diln Fac:	1.000
Matrix:	Water	Batch#:	123577
Units:	mg/L	Analyzed:	03/28/07

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC381193	40.00	32.70	82	78-114		
BSD	QC381194	40.00	37.60	94	78-114	14	18

RPD= Relative Percent Difference