

FAX

One Environment
248 Newport Avenue
Long Beach, CA 90803

Date 11/30/00

Number of pages including cover sheet 13

To: LARRY SETO

From: Cheryl Madden

Phone 510-567-6700

Phone 562-987-1095

Fax Phone 510-337-9335

Fax Phone 562-987-9120

CC: _____

REMARKS:

- Urgent
- For your review
- Reply ASAP
- Please comment

LARRY -

HERE ARE THE RESULTS FOR THE ROADWAY (1708 WOOD ST.) ANALYSIS. I WILL FOLLOW-UP WITH THE FINAL REPORT.

LOOKS LIKE TPH - DIESEL (65.7 TO 78.7 MG/L) WAS THE ONLY GROUND WATER CONSTITUENT PRESENT. THE SOIL SAMPLES WERE ND.

LET ME KNOW IF YOU HAVE ANY QUESTIONS.

THANKS,

CHERYL



Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308
www.sequotalabs.com

Roadway Express
248 Newport Avenue
Long Beach CA, 90803

Project: 1708 Wood St
Project Number: BTS# 001023-R2
Project Manager: Cheryl Madden

Reported:
11/14/00 16:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW 3	MJJ0691-01	Water	10/23/00 11:12	10/24/00 11:00
MW 4	MJJ0691-02	Water	10/23/00 12:56	10/24/00 11:00
MW 5	MJJ0691-03	Water	10/23/00 12:14	10/24/00 11:00

Sequoia Analytical - Morgan Hill

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Jeff Smyly, Project Manager





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**Total Purgeable Hydrocarbons by DHS LUFT
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 3 (MJJ0691-01) Water Sampled: 10/23/00 11:12 Received: 10/24/00 11:00									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0K03003	11/03/00	11/03/00	DHS LUFT	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		84.1 %	70-130		"	"	"	"	
MW 4 (MJJ0691-02) Water Sampled: 10/23/00 12:56 Received: 10/24/00 11:00									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0K03003	11/03/00	11/03/00	DHS LUFT	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		97.8 %	70-130		"	"	"	"	
MW 5 (MJJ0691-03) Water Sampled: 10/23/00 12:14 Received: 10/24/00 11:00									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0K03003	11/03/00	11/03/00	DHS LUFT	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		96.9 %	70-130		"	"	"	"	

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Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 3 (MJJ0691-01) Water Sampled: 10/23/00 11:12 Received: 10/24/00 11:00									
Benzene	ND	0.500	ug/l	1	OK03003	11/03/00	11/03/00	DHS LUFT	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		84.1 %	70-130		"	"	"	"	
MW 4 (MJJ0691-02) Water Sampled: 10/23/00 12:56 Received: 10/24/00 11:00									
Benzene	ND	0.500	ug/l	1	OK03003	11/03/00	11/03/00	DHS LUFT	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		97.8 %	70-130		"	"	"	"	
MW 5 (MJJ0691-03) Water Sampled: 10/23/00 12:14 Received: 10/24/00 11:00									
Benzene	ND	0.500	ug/l	1	OK03003	11/03/00	11/03/00	DHS LUFT	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		96.9 %	70-130		"	"	"	"	





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**Diesel Hydrocarbons (C9-C24) by DHS LUFT
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 3 (MJJ0691-01) Water Sampled: 10/23/00 11:12 Received: 10/24/00 11:00									
Diesel Range Hydrocarbons	65.9	50.0	ug/l	1	0J30012	10/30/00	10/30/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		77.4 %	50-150		"	"	"	"	
MW 4 (MJJ0691-02) Water Sampled: 10/23/00 12:56 Received: 10/24/00 11:00									
Diesel Range Hydrocarbons	65.7	50.0	ug/l	1	0J30012	10/30/00	10/30/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		84.6 %	50-150		"	"	"	"	
MW 5 (MJJ0691-03) Water Sampled: 10/23/00 12:14 Received: 10/24/00 11:00									
Diesel Range Hydrocarbons	78.7	50.0	ug/l	1	0J30012	10/30/00	10/30/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		78.0 %	50-150		"	"	"	"	





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Reported:
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MTBE by EPA Method 8260A Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 3 (MJJ0691-01) Water Sampled: 10/23/00 11:12 Received: 10/24/00 11:00									
Methyl tert-butyl ether	ND	1.00	ug/l	1	0K02009	11/01/00	11/01/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		"	"	"	"	
MW 4 (MJJ0691-02) Water Sampled: 10/23/00 12:56 Received: 10/24/00 11:00									
Methyl tert-butyl ether	ND	1.00	ug/l	1	0K02009	11/01/00	11/01/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		109 %	70-130		"	"	"	"	
MW 5 (MJJ0691-03) Water Sampled: 10/23/00 12:14 Received: 10/24/00 11:00									
Methyl tert-butyl ether	ND	1.00	ug/l	1	0K02009	11/01/00	11/01/00	EPA 8260A	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		"	"	"	"	





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**Conventional Chemistry Parameters by APHA/EPA Methods
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW 3 (MJJ0691-01) Water Sampled: 10/23/00 11:12 Received: 10/24/00 11:00									
TRPH	ND	5.00	mg/l	1	0J31006	10/31/00	10/31/00	SM 5520B/F	
MW 4 (MJJ0691-02) Water Sampled: 10/23/00 12:56 Received: 10/24/00 11:00									
TRPH	ND	5.00	mg/l	1	0J31006	10/31/00	10/31/00	SM 5520B/F	
MW 5 (MJJ0691-03) Water Sampled: 10/23/00 12:14 Received: 10/24/00 11:00									
TRPH	ND	5.00	mg/l	1	0J31006	10/31/00	10/31/00	SM 5520B/F	

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Total Purgeable Hydrocarbons by DHS LUFT - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0K03003 - EPA 5030B [P/T]										
Blank (0K03003-BLK1)										
Prepared & Analyzed: 11/03/00										
Purgeable Hydrocarbons	ND	50.0	ug/l							
Surrogate: <i>n,n,a</i> -Trifluorotoluene	8.95		"	10.0		89.5	70-130			
LCS (0K03003-BS1)										
Prepared & Analyzed: 11/03/00										
Purgeable Hydrocarbons	212	50.0	ug/l	250		84.8	70-130			
Surrogate: <i>n,n,a</i> -Trifluorotoluene	12.0		"	10.0		120	70-130			
Matrix Spike (0K03003-MS1)										
Source: MJJ0689-01 Prepared & Analyzed: 11/03/00										
Purgeable Hydrocarbons	237	50.0	ug/l	250	ND	94.8	60-140			
Surrogate: <i>n,n,a</i> -Trifluorotoluene	13.2		"	10.0		132	70-130			S-02
Matrix Spike Dup (0K03003-MSD1)										
Source: MJJ0689-01 Prepared & Analyzed: 11/03/00										
Purgeable Hydrocarbons	237	50.0	ug/l	250	ND	94.8	60-140	0	25	
Surrogate: <i>n,n,a</i> -Trifluorotoluene	12.7		"	10.0		127	70-130			





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**Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT - Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0K03003 - EPA 5030B [P/T]

Blank (0K03003-BLK1)

Prepared & Analyzed: 11/03/00

Benzene	ND	0.500	ug/l							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Surrogate: <i>o,p,p'</i> -Trifluorotoluene	8.95		"	100		89.5	70-130			

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Diesel Hydrocarbons (C9-C24) by DHS LUFT - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0J30012 - EPA 3510B										
Blank (0J30012-BL.K1)										
				Prepared & Analyzed: 10/30/00						
Diesel Range Hydrocarbons	ND	50.0	ug/l							
Surrogate: n-Pentacosane	93.3		"	100		93.3	50-150			
LCS (0J30012-BS1)										
				Prepared & Analyzed: 10/30/00						
Diesel Range Hydrocarbons	81.5	50.0	ug/l	1000		81.5	60-140			
Surrogate: n-Pentacosane	85.2		"	100		85.2	50-150			
Matrix Spike (0J30012-MS1)										
				Source: MJJ0610-01		Prepared: 10/30/00 Analyzed: 11/02/00				
Diesel Range Hydrocarbons	200000	10000	ug/l	1000	ND	20000	50-150			Q-01
Surrogate: n-Pentacosane	0		"	100			50-150			S-01
Matrix Spike Dup (0J30012-MSD1)										
				Source: MJJ0610-01		Prepared: 10/30/00 Analyzed: 11/02/00				
Diesel Range Hydrocarbons	271000	10000	ug/l	1000	ND	27100	50-150	30.1	50	Q-01
Surrogate: n-Pentacosane	736		"	100		736	50-150			S-01





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MTBE by EPA Method 8260A - Quality Control Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch OK02009 - EPA 5030B [P/T]										
Blank (OK02009-BLK1)										
Prepared & Analyzed: 11/01/00										
Methyl tert-butyl ether	ND	1.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	9.84		"	10.0		98.4	70-130			
LCS (OK02009-BS1)										
Prepared & Analyzed: 11/01/00										
Methyl tert-butyl ether	7.96	1.00	ug/l	10.0		79.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	10.1		"	10.0		101	70-130			
Matrix Spike (OK02009-MS1)										
Source: MJJ0807-01 Prepared & Analyzed: 11/01/00										
Methyl tert-butyl ether	8.03	1.00	ug/l	10.0	ND	80.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	70-130			
Matrix Spike Dup (OK02009-MSD1)										
Source: MJJ0807-01 Prepared & Analyzed: 11/01/00										
Methyl tert-butyl ether	9.63	1.00	ug/l	10.0	ND	96.3	70-130	18.1	25	
Surrogate: 1,2-Dichloroethane-d4	10.7		"	10.0		107	70-130			





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**Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0J31006 - General Prep										
Blank (0J31006-BLK1)										
TRPH	ND	5.00	mg/l							Prepared & Analyzed: 10/31/00
LCS (0J31006-BS1)										
TRPH	9.80	5.00	mg/l	10.0		98.0	70-130			Prepared & Analyzed: 10/31/00
LCS Dup (0J31006-BSD1)										
TRPH	10.4	5.00	mg/l	10.0		104	70-130	5.94	30	Prepared & Analyzed: 10/31/00





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Notes and Definitions

- D-15 Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
- Q-01 The spike recovery for this QC sample is outside of established control limits. Review of associated batch QC indicates the recovery for this analyte does not represent an out-of-control condition for the batch.
- S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.
- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

