



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267

Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309

Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 • Phone: (916) 686-5190 • Fax: (916) 686-5192

ELAP Certificates 1551, 2728, and 2922

07 July 2017

Mendocino County Dept. Of Transportation

Attn: Amber Munoz

304 Lake Mendocino Dr

Ukiah, CA 95482

RE: Water Quality

Work Order: 17F2056

Enclosed are the results of analyses for samples received by the laboratory on 06/21/17 15:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeanette L. Poplin For Karen A. Daly

Project Manager



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Mendocino County Dept. Of Transportation
304 Lake Mendocino Dr
Ukiah, CA 95482

Project Manager: Amber Munoz
Project: Water Quality
Project Number: LRA Tank

Reported:
07/07/17 11:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LRA Tank	17F2056-01	Water	06/21/17 12:30	06/21/17 15:50
Trip Blank	17F2056-02	Water	06/21/17 12:30	06/21/17 15:50



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	Result	Reporting Limit	Dilution	Batch	Prepared	Analyzed	Method	Note
LRA Tank (17F2056-01)		Sample Type: Water			Sampled: 06/21/17 12:30			
TPH by EPA/LUFT GC Methods								
TPH as Diesel	ND ug/L	250	1	AF73953	06/26/17 13:01	07/06/17 19:32	8015DRO	R-01a
Surrogate: Tetratetracontane	64.9 %	50-120		AF73953	06/26/17 13:01	07/06/17 19:32	8015DRO	
TPH by EPA/LUFT GCMS Methods								R-06
TPH as Gasoline	ND ug/L	500	10	AF74026	06/28/17 11:00	06/29/17 10:15	8260GRO	
Surrogate: Toluene-d8	96.0 %	76-129		AF74026	06/28/17 11:00	06/29/17 10:15	8260GRO	
Trip Blank (17F2056-02)		Sample Type: Water			Sampled: 06/21/17 12:30			
TPH by EPA/LUFT GCMS Methods								
TPH as Gasoline	ND ug/L	50	1	AF74026	06/28/17 11:00	06/29/17 05:41	8260GRO	
Surrogate: Toluene-d8	96.0 %	76-129		AF74026	06/28/17 11:00	06/29/17 05:41	8260GRO	



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TPH by EPA/LUFT GC Methods - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AF73953 - SVOAs in Water GC										
Blank (AF73953-BLK1)				Prepared: 06/26/17 Analyzed: 07/06/17						
TPH as Diesel	ND	250	ug/L							QB-08, R-01a
Surrogate: Tetraetracontane	48.0		ug/L	56.0		85.6	50-120			
LCS (AF73953-BS1)				Prepared: 06/26/17 Analyzed: 07/06/17						
TPH as Diesel	1850	250	ug/L	1980		93.5	63-111			
Surrogate: Tetraetracontane	38.2		ug/L	56.0		68.2	50-120			
LCS (AF73953-BS2)				Prepared: 06/26/17 Analyzed: 07/06/17						
Surrogate: Tetraetracontane	37.3		ug/L	56.0		66.7	50-120			
LCS Dup (AF73953-BSD1)				Prepared: 06/26/17 Analyzed: 07/06/17						
TPH as Diesel	2020	250	ug/L	1980		102	63-111	8.83	25	
Surrogate: Tetraetracontane	35.6		ug/L	56.0		63.5	50-120			
LCS Dup (AF73953-BSD2)				Prepared: 06/26/17 Analyzed: 07/06/17						
Surrogate: Tetraetracontane	43.9		ug/L	56.0		78.3	50-120			
Matrix Spike (AF73953-MS1)				Source: 17F2055-01		Prepared: 06/26/17 Analyzed: 07/06/17				
TPH as Diesel	1950	250	ug/L	1980	ND	98.6	63-111			
Surrogate: Tetraetracontane	40.3		ug/L	56.0		71.9	50-120			
Matrix Spike Dup (AF73953-MSD1)				Source: 17F2055-01		Prepared: 06/26/17 Analyzed: 07/06/17				
TPH as Diesel	2180	250	ug/L	1980	ND	110	63-111	11.0	25	
Surrogate: Tetraetracontane	43.4		ug/L	56.0		77.5	50-120			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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TPH by EPA/LUFT GCMS Methods - Quality Control

Analyte(s)	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AF74026 - VOAs in Water GCMS										
Blank (AF74026-BLK1)				Prepared: 06/27/17 Analyzed: 06/28/17						
TPH as Gasoline	ND	50	ug/L							
Surrogate: Toluene-d8	25.0		ug/L	25.0		100	76-129			
LCS (AF74026-BS1)				Prepared: 06/27/17 Analyzed: 06/28/17						
TPH as Gasoline	212	50	ug/L	200		106	67-132			
Surrogate: Toluene-d8	25.0		ug/L	25.0		100	76-129			
LCS Dup (AF74026-BSD1)				Prepared: 06/27/17 Analyzed: 06/28/17						
TPH as Gasoline	210	50	ug/L	200		105	67-132	0.948	25	
Surrogate: Toluene-d8	25.0		ug/L	25.0		100	76-129			
Matrix Spike (AF74026-MS1)				Source: 17F1838-02		Prepared: 06/27/17 Analyzed: 06/28/17				
TPH as Gasoline	213	50	ug/L	200	ND	106	37-156			
Surrogate: Toluene-d8	25.0		ug/L	25.0		100	76-129			
Matrix Spike Dup (AF74026-MSD1)				Source: 17F1838-02		Prepared: 06/27/17 Analyzed: 06/28/17				
TPH as Gasoline	211	50	ug/L	200	ND	106	37-156	0.943	25	
Surrogate: Toluene-d8	25.0		ug/L	25.0		100	76-129			



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Notes and Definitions

QB-08 The method blank contains analyte at a concentration above the MDL; however, no analyte was detected in associated samples.

R-01a The Method Detection Limits for this analyte has been raised to account for matrix interference.

R-06 The Reporting Limits for this analysis have been raised to account for matrix interference.

ND Analyte NOT DETECTED at or above the reporting limit

dry Sample results reported on a dry weight basis

REC Recovery

RPD Relative Percent Difference

[illegible]