



**United States Environmental Protection Agency
Region 9 Laboratory**

1337 S. 46th Street Building 201
Richmond, CA 94804

Date: 11/27/2017

Subject: Analytical Testing Results - Project R18U01
SDG: 17298E

From: Peter Husby, Director
EPA Region 9 Laboratory
EMD-3-1

To: Lyndsey Tu
Underground Storage Tanks Program Office
LND-4-3

Attached are the results from the analysis of samples from the **Red Hill Tank Farm October 2017 Split Sampling** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Electronic CC: Bob Pallarino, UST Section
Roxanne Kwan, Hawaii DOH

Analyses included in this report:

Extractable Petroleum Hydrocarbons by
GC/FID

Extractable Petroleum Hydrocarbons (w/silica
gel)



United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Lyndsey Tu

Project Number: R18U01

Project: Red Hill Tank Farm October 2017 Split
Sampling

Underground Storage Tanks Program Office

75 Hawthorne Street
San Francisco CA, 94105

SDG: 17298E

Reported: 11/27/17 16:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
DRO Sample D	1710102-01	Water	10/30/17 00:00	10/31/17 10:57



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Project Number: R18U01	75 Hawthorne Street	Reported: 11/27/17 16:29
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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1710102-01							Water - Sampled: 10/30/17 00:00		
Sample ID: DRO Sample D							Extractable Petroleum Hydrocarbons		
TPH - Diesel Range Organics		2,300	F4	150	ug/L	B17J171	10/31/17	11/03/17	8015C
TPH - Oil Range Organics		ND	U	600	"	"	"	"	8015C
<i>Surrogate: Hexacosane</i>			94 %	47-130%		"	"	"	
Sample ID: DRO Sample D							Extractable Petroleum Hydrocarbons with Silica Gel Cleanup		
TPH - Diesel Range Organics		2,000		150	"	"	"	11/07/17	8015C
TPH - Oil Range Organics		ND	U	600	"	"	"	"	8015C
<i>Surrogate: Hexacosane</i>			83 %	47-130%		"	"	"	

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B17J171 - 3520C CLLE - TPH - Extractable										
							Prepared: 10/31/17 Analyzed: 11/03/17			
Extractable Petroleum Hydrocarbons - Quality Control										
Blank (B17J171-BLK1)										
TPH - Diesel Range Organics	160			150	ug/L					
TPH - Oil Range Organics	ND	U		600	"					
<i>Surrogate: Hexacosane</i>			146		"	150	98	47-130		
LCS (B17J171-BS1)										
TPH - Diesel Range Organics	1,400			150	ug/L	1500	93	59-109		
<i>Surrogate: Hexacosane</i>			143		"	150	95	47-130		
Batch B17J171 - 3520C CLLE - TPH-Extractable SGC										
							Prepared: 10/31/17 Analyzed: 11/07/17			
Extractable Petroleum Hydrocarbons with Silica Gel Cleanup - Quality Control										
Blank (B17J171-BLK1)										
TPH - Diesel Range Organics	ND	U		150	ug/L					
TPH - Oil Range Organics	ND	U		600	"					
<i>Surrogate: Hexacosane</i>			120		"	150	80	47-130		
LCS (B17J171-BS1)										
TPH - Diesel Range Organics	1,070			150	ug/L	1500	71	59-109		
<i>Surrogate: Hexacosane</i>			120		"	150	80	47-130		



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Qualifiers and Comments

F4 Fuel Type: Diesel Fuel

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.