

Detterman, Mark, Env. Health

From: Gary Mulkey [gary@cci-envr.com]
Sent: Monday, September 26, 2016 7:37 AM
To: Detterman, Mark, Env. Health
Subject: FW: SGS Accutest e-Hardcopy 2.0 Report C44253: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA, sampled on 02/25/2016
Attachments: C44253.PDF; c44253_table.htm

Hello Mark:

SGS Accutest Labs sent me a revised lab report for the First Quarter 2016 Groundwater Monitoring Report for the Delong Petroleum site in Alameda. See page two of the lab report for an explanation. The revised report did not change any of the reported concentrations in the well samples. I have uploaded the report containing the revised lab report to the Counties ftp site. I also upload the revised report to the GeoTracker. I'll upload to the GeoTracker the EDF of the lab report later today. Any questions, let me know.

Thanks,
Gary Mulkey

*Compliance & Closure, Inc.
4115 Blackhawk Plaza Circle
Suite 100
Danville, Ca 94506
Cell # 925-580-2258*

From: Kumar, Elvin (San Jose) [mailto:Elvin.Kumar@sgs.com]
Sent: Tuesday, September 20, 2016 9:36 PM
To: Gary Mulkey (gary@cci-envr.com)
Subject: FW: SGS Accutest e-Hardcopy 2.0 Report C44253: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA, sampled on 02/25/2016

Hi Gary,
Please refer to page 2 of the report (Report Reissue #1)
This job had the affected batches, however there were no changes to the data as indicated on page 5 "Result Comparison- No Changes Found"

Thank You

Elvin Kumar
Environment, Health and Safety
Project Manager

Phone: +1 408 588 0200 ext 3515
Mobile: +1 408 612 9410

From: Gary Mulkey [mailto:gary@cci-envr.com]
Sent: Tuesday, September 20, 2016 6:52 PM
To: elvink@accutest.com
Subject: FW: SGS Accutest e-Hardcopy 2.0 Report C44253: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA, sampled on 02/25/2016

Elvin:

Why was this report sent to me? This is from February 2016. I have had a copy of this report since March.

Gary Mulkey

Compliance & Closure, Inc.
4115 Blackhawk Plaza Circle
Suite 100
Danville, CA 94506
(925) 580-2258
gary@cci-envr.com

From: SGS Accutest LabLink Northern California [<mailto:lablink@accutest.com>]

Sent: Tuesday, September 20, 2016 5:24 PM

To: gary@cci-envr.com

Subject: SGS Accutest e-Hardcopy 2.0 Report C44253: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA, sampled on 02/25/2016

Enclosed is the e-Hardcopy 2.0 report for the following SGS Accutest job:

C44253: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Received: 02/25/2016 14 day TAT

Compliance & Closure, Inc.

The attached PDF file contains your report; 36 pages.
Report includes QC summaries.
The scanned chain of custody is also included in this report.

NOTE: This PDF contains complete COMMB deliverables.
No paper report will be mailed.

A RESULT SUMMARY TABLE is also attached in HTM format. This file can be opened as a web page -or- it can be saved to disk and opened using Excel.

Address questions/changes to your project manager at the link below:

Elvin Kumar
Elvin.Kumar@sgs.com

NOTE: This PDF file is an e-Hardcopy 2.0 report. It is a complete, self-contained report with bookmarks, table of contents, and section markers, all with hypertext links for ease of navigation. We believe you will find it to be the most easy to use data package in the industry.

SGS Accutest LabLink®

Celebrating 20 Years On-Line - 1996-2016

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VERIFICATION, TESTING AND CERTIFICATION COMPANY.



e-Hardcopy 2.0
Automated Report

Technical Report for

Compliance & Closure, Inc.

T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

12214-1

SGS Accutest Job Number: C44253

Sampling Date: 02/25/16

Report to:

Compliance & Closure, Inc.
4115 Blackhawk Plaza Circle Suite 100
Danville, CA 94506
gary@cci-envr.com

ATTN: Gary Mulkey

Total number of pages in report: 36



Test results contained within this data package meet the requirements
of the National Environmental Laboratory Accreditation Program
and/or state specific certification programs as applicable.

James J. Rhudy
Lab Director

Client Service contact: Elvin Kumar 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925)
DoD ELAP (L-A-B L2242)

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Test results relate only to samples analyzed.



ACCUTEST

August 12, 2016

Compliance & Closure, Inc.
4115 Blackhawk Plaza Circle Suite 100
Danville, CA 94506

Re: Reprocessing of 8260 volatile data

Dear Gary Mulkey:

As a result of a routine data review, we found an issue that required SGS Accutest to reprocess the sample(s) in job number C44253. This issue related to the data from a Volatile Organic Compounds (VOC) internal standard being recorded as the data for the Gasoline Range Organics (GRO) internal standard and vice versa. Because these two internal standards are the same compound, the responses only vary slightly.

A summary of changes which includes original and reprocessed results can be found in the case narrative section of the revised report. Anything which is not listed in the case narrative was not affected and did not change.

A corrective action has already been implemented to prevent this issue from reoccurring.

Should you have any questions or require additional information, please do not hesitate to contact me.

Thank you,

James Rhudy

Environment, Health and Safety
Laboratory Director

SGS Accutest – San Jose

2105 Lundy Avenue
San Jose, CA 95131
Phone: +1 408 588 0200 ext 3505
James.Rhudy@sgs.com

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Sample Summary

Compliance & Closure, Inc.

Job No: C44253

T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Project No: 12214-1

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
C44253-1	02/25/16	07:55 GM	02/25/16	AQ	Ground Water	MW-3A
C44253-2	02/25/16	08:30 GM	02/25/16	AQ	Ground Water	MW-1
C44253-3	02/25/16	09:30 GM	02/25/16	AQ	Ground Water	RW-1
C44253-4	02/25/16	10:05 GM	02/25/16	AQ	Ground Water	MW-2A

Result Comparison

Method	Client ID	Lab ID	Sample		Analyte	Original			Corrected			
			Date	Time		Result	Qual	DL*	Result	Qual	DL*	Units

No Changes Found

Summary of Hits

Job Number: C44253
Account: Compliance & Closure, Inc.
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA
Collected: 02/25/16



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
C44253-1	MW-3A					
TPH (C10-C28)		0.0354 J	0.094	0.024	mg/l	SW846 8015B M
C44253-2	MW-1					
Benzene ^a		49.5	1.0	0.20	ug/l	SW846 8260B
Toluene ^a		2.6	1.0	0.20	ug/l	SW846 8260B
Ethylbenzene ^a		48.5	1.0	0.20	ug/l	SW846 8260B
Xylene (total) ^a		62.5	2.0	0.46	ug/l	SW846 8260B
Methyl Tert Butyl Ether ^a		51.3	1.0	0.20	ug/l	SW846 8260B
Naphthalene ^a		56.1	5.0	0.50	ug/l	SW846 8260B
Tert-Amyl Methyl Ether ^a		15.5	2.0	0.40	ug/l	SW846 8260B
Tert-Butyl Alcohol ^a		34.5	10	2.4	ug/l	SW846 8260B
TPH-GRO (C6-C10) ^b		351	100	50	ug/l	SW846 8260B
TPH (C10-C28)		1.03	0.094	0.024	mg/l	SW846 8015B M
TPH (> C28-C40)		0.513	0.19	0.047	mg/l	SW846 8015B M
C44253-3	RW-1					
Benzene ^a		0.27 J	1.0	0.20	ug/l	SW846 8260B
Methyl Tert Butyl Ether ^a		0.61 J	1.0	0.20	ug/l	SW846 8260B
TPH (C10-C28)		1.06	0.094	0.024	mg/l	SW846 8015B M
TPH (> C28-C40)		0.232	0.19	0.047	mg/l	SW846 8015B M
C44253-4	MW-2A					
TPH (C10-C28)		0.0410 J	0.094	0.024	mg/l	SW846 8015B M

(a) Sample vial contained more than 0.5cm of sediment.

(b) Sample vial(s) contained significant headspace; reported results are considered minimum values.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: MW-3A		Date Sampled: 02/25/16
Lab Sample ID: C44253-1		Date Received: 02/25/16
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U33068B.D	1	02/26/16	JC	n/a	n/a	VU1355
Run #2							

Run #1	Purge Volume
Run #1	10.0 ml
Run #2	

BTEX, Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		80-123%
2037-26-5	Toluene-D8	100%		88-112%
460-00-4	4-Bromofluorobenzene	91%		79-114%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.1
4

Report of Analysis

Client Sample ID: MW-3A		Date Sampled: 02/25/16
Lab Sample ID: C44253-1		Date Received: 02/25/16
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015B M SW846 3510C		
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH329997.D	1	02/26/16	YN	02/26/16	OP13942	GHH1749
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.0354	0.094	0.024	mg/l	J
	TPH (> C28-C40)	ND	0.19	0.047	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	54%		40-134%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.1
4

Report of Analysis

Client Sample ID: MW-1		Date Sampled: 02/25/16
Lab Sample ID: C44253-2		Date Received: 02/25/16
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	W60414.D	1	03/01/16	CV	n/a	n/a	VW2278
Run #2 ^b	W60560.D	2	03/08/16	CV	n/a	n/a	VW2284

	Purge Volume
Run #1	10.0 ml
Run #2	10.0 ml

BTEX, Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	49.5	1.0	0.20	ug/l	
108-88-3	Toluene	2.6	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	48.5	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	62.5	2.0	0.46	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	51.3	1.0	0.20	ug/l	
91-20-3	Naphthalene	56.1	5.0	0.50	ug/l	
994-05-8	Tert-Amyl Methyl Ether	15.5	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	34.5	10	2.4	ug/l	
	TPH-GRO (C6-C10)	351 ^c	100	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%	112%	80-123%
2037-26-5	Toluene-D8	106%	105%	88-112%
460-00-4	4-Bromofluorobenzene	101%	98%	79-114%

- (a) Sample vial contained more than 0.5cm of sediment.
- (b) Sample vial(s) contained significant headspace; reported results are considered minimum values.
- (c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.2
4

Report of Analysis

Client Sample ID: MW-1		Date Sampled: 02/25/16
Lab Sample ID: C44253-2		Date Received: 02/25/16
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8015B M SW846 3510C		
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH330148.D	1	03/01/16	FL	02/26/16	OP13942	GHH1751
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.03	0.094	0.024	mg/l	
	TPH (> C28-C40)	0.513	0.19	0.047	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	70%		40-134%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.2
4

Report of Analysis

Client Sample ID: RW-1		Date Sampled: 02/25/16
Lab Sample ID: C44253-3		Date Received: 02/25/16
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	W60559.D	1	03/08/16	CV	n/a	n/a	VW2284
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

BTEX, Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.27	1.0	0.20	ug/l	J
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.61	1.0	0.20	ug/l	J
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol ^b	ND	10	2.4	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		80-123%
2037-26-5	Toluene-D8	105%		88-112%
460-00-4	4-Bromofluorobenzene	91%		79-114%

- (a) Sample vial contained more than 0.5cm of sediment.
 (b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.3
4

Report of Analysis

Client Sample ID: RW-1	Date Sampled: 02/25/16
Lab Sample ID: C44253-3	Date Received: 02/25/16
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015B M SW846 3510C	
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH330000.D	1	02/26/16	YN	02/26/16	OP13942	GHH1749
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	1.06	0.094	0.024	mg/l	
	TPH (> C28-C40)	0.232	0.19	0.047	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
630-01-3	Hexacosane	58%		40-134%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.3
4

Report of Analysis

Client Sample ID: MW-2A		Date Sampled: 02/25/16
Lab Sample ID: C44253-4		Date Received: 02/25/16
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	W60416.D	1	03/01/16	CV	n/a	n/a	VW2278
Run #2							

	Purge Volume
Run #1	10.0 ml
Run #2	

BTEX, Oxygenates

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		80-123%
2037-26-5	Toluene-D8	105%		88-112%
460-00-4	4-Bromofluorobenzene	94%		79-114%

(a) Sample vial contained more than 0.5cm of sediment.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.4
4

Report of Analysis

Client Sample ID: MW-2A	Date Sampled: 02/25/16
Lab Sample ID: C44253-4	Date Received: 02/25/16
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015B M SW846 3510C	
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	HH330001.D	1	02/26/16	YN	02/26/16	OP13942	GHH1749
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1060 ml	1.0 ml
Run #2		

TPH Extractable w/ Silica Gel Cleanup

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	0.0410	0.094	0.024	mg/l	J
	TPH (> C28-C40)	ND	0.19	0.047	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
630-01-3	Hexacosane	66%		40-134%		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.4
4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



ACCUTEST
LABORATORIES

CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking # _____ Bottle Order Control # _____
Accutest Quote # _____ Accutest NC Job #: C **44253**

Client / Reporting Information		Project Information		Requested Analysis										Matrix Codes														
Company Name: Compliance & Closure, Inc		Project Name: DeLong oil		B260 - Petros TP4g + BTEX + Oxygens naphthalene - B260 TP4g - 5 Liter 6ml Clean-up 5 Liter 6ml TP4g - Motor oil										WW- Wastewater <input checked="" type="checkbox"/> GW- Ground Water <input type="checkbox"/> SW- Surface Water SO- Soil CO- Oil WP- Wipe LIQ- Non-aqueous Liquid AIR DW- Drinking Water (Perforate Only)														
Address: 4115 Blackhawk Plaza Circle, STE. 100		Street: 1716 Webster Street												LAB USE ONLY														
City: Dawville, CA 94506		City: Alameda, CA																										
Project Contact: Gary Mulkey		Project #: 12214-2																										
Phone #: 925-580-2258		EMAIL: gary@CCI-ENR.com																										
Sampler's Name: Gary Mulkey		Client Purchase Order #: 12214																										
Accutest Sample ID	Sample ID / Field Point / Point of Collection	Collection				Number of preserved Bottles																						
		Date	Time	Sampled by	Matrix	# of bottles	1	2	3	4	5	6	7	8	9	10	11	12										
1	MW-3A	2/25/16	7:55	GM	GW	6	3												X	X	X	X						
2	MW-1	2/25/16	8:30	GM	GW	6	3												X	X	X	X						
3	RW-1	2/25/16	9:30	GM	GW	6	3												X	X	X	X						
4	MW-2A	2/25/16	10:05	GM	GW	6	3												X	X	X	X						
Turnaround Time (Business days)		Approved By / Date:		Data Deliverable Information										Comments / Remarks														
<input checked="" type="checkbox"/> 10 Day <input type="checkbox"/> 5 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day <input type="checkbox"/> Same Day		<input type="checkbox"/> Commercial "A" - Results only <input type="checkbox"/> Commercial "B" - Results with QC summaries <input type="checkbox"/> Commercial "B*" - Results, QC, and chromatograms <input type="checkbox"/> FULLT1 - Level 4 data package <input type="checkbox"/> EDF for GasTracker <input type="checkbox"/> EDF Format Provide EDF GlobaID: _____ Provide EDF Logcode: _____												Get TP4g from GCMS Prepare EDF - Global I.D.# 71000005 5974														
Emergency TIA data available VIA Lablink		Sample Custody must be documented below each time samples change possession, including courier delivery.																										
Relinquished by:	Date Time:	Received By:	Date Time:	Relinquished By:	Date Time:	Received By:	Date Time:	Relinquished By:	Date Time:	Received By:	Date Time:	Relinquished By:	Date Time:	Received By:	Date Time:													
1 Gary Mulkey	2/25/16 11:20	1 Ali Zeigami		2		2		3		3		4		4														
3		3		4		4		5		5																		
Custody Seal #		Appropriate Bottle / Pres. Y/N		Headspace Y/N		On Key Y/N		Cooling Temp.		Labels match Coc? Y/N		Separate Receiving Check List used: Y/N																
NONE								3.7/3.9																				

5.1
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C44253: Chain of Custody

Page 1 of 2



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C44253 **Client:** COMPLIANCE & CLOSURE **Project:** DELONG OIL
Date / Time Received: 2/25/2016 11:20:00 AM **Delivery Method:** Client **Airbill #s:** _____
Cooler Temps (Initial/Adjusted): #1: (3.7/3.9)

Cooler Security		<u>Y</u>	<u>or</u>	<u>N</u>		<u>Y</u>	<u>or</u>	<u>N</u>
1. Custody Seals Present:	<input type="checkbox"/>			<input checked="" type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact:	<input type="checkbox"/>			<input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Cooler Temperature		<u>Y</u>	<u>or</u>	<u>N</u>
1. Temp criteria achieved:	<input checked="" type="checkbox"/>			<input type="checkbox"/>
2. Therm ID:	<u>IR1;</u>			
3. Cooler media:	<u>Ice (Bag)</u>			
4. No. Coolers:	<u>1</u>			

Quality Control Preservation	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

Sample Integrity - Documentation		<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>			<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>			<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>			<input type="checkbox"/>

Sample Integrity - Condition		<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	<input checked="" type="checkbox"/>			<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>			<input type="checkbox"/>
3. Condition of sample:	<u>Intact</u>			

Sample Integrity - Instructions		<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>			<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>			<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>			<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>			<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

Accutest Laboratories
V:408.588.0200

2105 Lundy Avenue
F: 408.588.0201

San Jose, CA 95131
www.accutest.com

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GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C44253
Account: CCCAD Compliance & Closure, Inc.
Project: T1000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU1355-MB	U33049B.D	1	02/26/16	JC	n/a	n/a	VU1355

The QC reported here applies to the following samples:

Method: SW846 8260B

C44253-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	97% 80-123%
2037-26-5	Toluene-D8	104% 88-112%
460-00-4	4-Bromofluorobenzene	95% 79-114%

Method Blank Summary

Job Number: C44253
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2278-MB	W60407.D	1	03/01/16	CV	n/a	n/a	VW2278

The QC reported here applies to the following samples:

Method: SW846 8260B

C44253-2, C44253-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Limits	
1868-53-7	Dibromofluoromethane	107%	80-123%
2037-26-5	Toluene-D8	106%	88-112%
460-00-4	4-Bromofluorobenzene	95%	79-114%

Method Blank Summary

Job Number: C44253
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2284-MB	W60553.D	1	03/08/16	CV	n/a	n/a	VW2284

The QC reported here applies to the following samples:

Method: SW846 8260B

C44253-2, C44253-3

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.20	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
637-92-3	Ethyl Tert Butyl Ether	ND	2.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.20	ug/l	
91-20-3	Naphthalene	ND	5.0	0.50	ug/l	
994-05-8	Tert-Amyl Methyl Ether	ND	2.0	0.40	ug/l	
75-65-0	Tert-Butyl Alcohol	ND	10	2.4	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
1330-20-7	Xylene (total)	ND	2.0	0.46	ug/l	
	TPH-GRO (C6-C10)	ND	50	25	ug/l	

CAS No.	Surrogate Recoveries	Limits	
1868-53-7	Dibromofluoromethane	105%	80-123%
2037-26-5	Toluene-D8	104%	88-112%
460-00-4	4-Bromofluorobenzene	95%	79-114%

Blank Spike/Blank Spike Duplicate Summary

Job Number: C44253
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU1355-BS	U33046B.D	1	02/26/16	JC	n/a	n/a	VU1355
VU1355-BSD	U33047B.D	1	02/26/16	JC	n/a	n/a	VU1355

The QC reported here applies to the following samples:

Method: SW846 8260B

C44253-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	19.2	96	19.7	99	3	76-120/10
108-20-3	Di-Isopropyl ether	20	18.7	94	19.2	96	3	69-126/10
100-41-4	Ethylbenzene	20	19.2	96	19.3	97	1	78-123/10
637-92-3	Ethyl Tert Butyl Ether	20	18.6	93	19.0	95	2	75-126/11
1634-04-4	Methyl Tert Butyl Ether	20	17.4	87	17.8	89	2	73-120/10
91-20-3	Naphthalene	20	17.2	86	18.1	91	5	66-120/12
994-05-8	Tert-Amyl Methyl Ether	20	18.8	94	19.2	96	2	77-126/10
75-65-0	Tert-Butyl Alcohol	100	98.4	98	96.2	96	2	52-148/18
108-88-3	Toluene	20	18.6	93	19.0	95	2	78-121/10
1330-20-7	Xylene (total)	60	56.8	95	57.7	96	2	78-122/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	105%	104%	80-123%
2037-26-5	Toluene-D8	102%	101%	88-112%
460-00-4	4-Bromofluorobenzene	102%	101%	79-114%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C44253
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2278-BS	W60404.D	1	03/01/16	CV	n/a	n/a	VW2278
VW2278-BSD	W60405.D	1	03/01/16	CV	n/a	n/a	VW2278

The QC reported here applies to the following samples:

Method: SW846 8260B

C44253-2, C44253-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	20.0	100	19.4	97	3	76-120/10
108-20-3	Di-Isopropyl ether	20	21.1	106	19.8	99	6	69-126/10
100-41-4	Ethylbenzene	20	20.6	103	20.5	103	0	78-123/10
637-92-3	Ethyl Tert Butyl Ether	20	20.8	104	19.7	99	5	75-126/11
1634-04-4	Methyl Tert Butyl Ether	20	19.6	98	18.8	94	4	73-120/10
91-20-3	Naphthalene	20	19.8	99	21.4	107	8	66-120/12
994-05-8	Tert-Amyl Methyl Ether	20	21.3	107	20.3	102	5	77-126/10
75-65-0	Tert-Butyl Alcohol	100	115	115	120	120	4	52-148/18
108-88-3	Toluene	20	19.8	99	19.4	97	2	78-121/10
1330-20-7	Xylene (total)	60	61.9	103	61.4	102	1	78-122/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	109%	107%	80-123%
2037-26-5	Toluene-D8	105%	105%	88-112%
460-00-4	4-Bromofluorobenzene	102%	103%	79-114%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: C44253
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2284-BS	W60550.D	1	03/08/16	CV	n/a	n/a	VW2284
VW2284-BSD	W60551.D	1	03/08/16	CV	n/a	n/a	VW2284

The QC reported here applies to the following samples:

Method: SW846 8260B

C44253-2, C44253-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	19.4	97	19.2	96	1	76-120/10
108-20-3	Di-Isopropyl ether	20	19.9	100	19.7	99	1	69-126/10
100-41-4	Ethylbenzene	20	20.2	101	20.1	101	0	78-123/10
637-92-3	Ethyl Tert Butyl Ether	20	19.9	100	19.6	98	2	75-126/11
1634-04-4	Methyl Tert Butyl Ether	20	18.9	95	18.9	95	0	73-120/10
91-20-3	Naphthalene	20	19.4	97	20.2	101	4	66-120/12
994-05-8	Tert-Amyl Methyl Ether	20	20.6	103	20.5	103	0	77-126/10
75-65-0	Tert-Butyl Alcohol	100	119	119	113	113	5	52-148/18
108-88-3	Toluene	20	19.3	97	19.2	96	1	78-121/10
1330-20-7	Xylene (total)	60	59.9	100	60.1	100	0	78-122/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	108%	106%	80-123%
2037-26-5	Toluene-D8	105%	104%	88-112%
460-00-4	4-Bromofluorobenzene	102%	101%	79-114%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C44253
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VU1355-LCS	U33048B.D	1	02/26/16	JC	n/a	n/a	VU1355

The QC reported here applies to the following samples:

Method: SW846 8260B

C44253-1

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
	TPH-GRO (C6-C10)	125	117	94	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	80-123%
2037-26-5	Toluene-D8	102%	88-112%
460-00-4	4-Bromofluorobenzene	95%	79-114%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C44253
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2278-LCS	W60406.D	1	03/01/16	CV	n/a	n/a	VW2278

The QC reported here applies to the following samples:

Method: SW846 8260B

C44253-2, C44253-4

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
	TPH-GRO (C6-C10)	125	111	89	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	80-123%
2037-26-5	Toluene-D8	107%	88-112%
460-00-4	4-Bromofluorobenzene	97%	79-114%

* = Outside of Control Limits.

Laboratory Control Sample Summary

Job Number: C44253
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VW2284-LCS	W60552.D	1	03/08/16	CV	n/a	n/a	VW2284

The QC reported here applies to the following samples:

Method: SW846 8260B

C44253-2, C44253-3

CAS No.	Compound	Spike ug/l	LCS ug/l	LCS %	Limits
	TPH-GRO (C6-C10)	125	104	83	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	80-123%
2037-26-5	Toluene-D8	106%	88-112%
460-00-4	4-Bromofluorobenzene	96%	79-114%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C44253
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C44179-3MS	U33069B.D	1	02/26/16	JC	n/a	n/a	VU1355
C44179-3MSD	U33070B.D	1	02/26/16	JC	n/a	n/a	VU1355
C44179-3	U33052B.D	1	02/26/16	JC	n/a	n/a	VU1355

The QC reported here applies to the following samples:

Method: SW846 8260B

C44253-1

CAS No.	Compound	C44179-3 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	20	20.2	101	20	20.4	102	1	76-120/10
108-20-3	Di-Isopropyl ether	ND	20	18.8	94	20	19.3	97	3	69-126/10
100-41-4	Ethylbenzene	ND	20	20.4	102	20	20.4	102	0	78-123/10
637-92-3	Ethyl Tert Butyl Ether	ND	20	18.4	92	20	18.9	95	3	75-126/11
1634-04-4	Methyl Tert Butyl Ether	ND	20	17.0	85	20	17.5	88	3	73-120/10
91-20-3	Naphthalene	ND	20	17.0	85	20	18.6	93	9	66-120/12
994-05-8	Tert-Amyl Methyl Ether	ND	20	18.6	93	20	19.0	95	2	77-126/10
75-65-0	Tert-Butyl Alcohol	ND	100	67.9	68	100	83.4	83	20* a	52-148/18
108-88-3	Toluene	ND	20	19.3	97	20	19.5	98	1	78-121/10
1330-20-7	Xylene (total)	ND	60	58.3	97	60	58.1	97	0	78-122/10

CAS No.	Surrogate Recoveries	MS	MSD	C44179-3	Limits
1868-53-7	Dibromofluoromethane	105%	105%	102%	80-123%
2037-26-5	Toluene-D8	103%	102%	103%	88-112%
460-00-4	4-Bromofluorobenzene	103%	101%	94%	79-114%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C44253

Account: CCCAD Compliance & Closure, Inc.

Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C44303-5MS	W60425.D	10	03/01/16	CV	n/a	n/a	VW2278
C44303-5MSD	W60426.D	10	03/01/16	CV	n/a	n/a	VW2278
C44303-5	W60421.D	10	03/01/16	CV	n/a	n/a	VW2278

The QC reported here applies to the following samples:

Method: SW846 8260B

C44253-2, C44253-4

CAS No.	Compound	C44303-5 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	200	194	97	200	188	94	3	76-120/10
108-20-3	Di-Isopropyl ether	ND	200	194	97	200	191	96	2	69-126/10
100-41-4	Ethylbenzene	22.0	200	227	103	200	217	98	5	78-123/10
637-92-3	Ethyl Tert Butyl Ether	ND	200	195	98	200	193	97	1	75-126/11
1634-04-4	Methyl Tert Butyl Ether	ND	200	185	93	200	185	93	0	73-120/10
91-20-3	Naphthalene	15.9	J 200	210	97	200	221	103	5	66-120/12
994-05-8	Tert-Amyl Methyl Ether	ND	200	200	100	200	199	100	1	77-126/10
75-65-0	Tert-Butyl Alcohol	ND	1000	963	96	1000	1040	104	8	52-148/18
108-88-3	Toluene	ND	200	196	98	200	189	95	4	78-121/10
1330-20-7	Xylene (total)	25.9	600	641	103	600	616	98	4	78-122/10

CAS No.	Surrogate Recoveries	MS	MSD	C44303-5	Limits
1868-53-7	Dibromofluoromethane	104%	106%	105%	80-123%
2037-26-5	Toluene-D8	104%	103%	106%	88-112%
460-00-4	4-Bromofluorobenzene	103%	101%	97%	79-114%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: C44253
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
C44470-1MS	W60570.D	1	03/08/16	CV	n/a	n/a	VW2284
C44470-1MSD	W60571.D	1	03/08/16	CV	n/a	n/a	VW2284
C44470-1	W60561.D	1	03/08/16	CV	n/a	n/a	VW2284

The QC reported here applies to the following samples:

Method: SW846 8260B

C44253-2, C44253-3

CAS No.	Compound	C44470-1 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	20	21.8	109	20	22.2	111	2	76-120/10
108-20-3	Di-Isopropyl ether	ND	20	23.2	116	20	23.4	117	1	69-126/10
100-41-4	Ethylbenzene	ND	20	22.0	110	20	22.3	112	1	78-123/10
637-92-3	Ethyl Tert Butyl Ether	ND	20	22.0	110	20	22.4	112	2	75-126/11
1634-04-4	Methyl Tert Butyl Ether	4.1	20	24.6	103	20	25.1	105	2	73-120/10
91-20-3	Naphthalene	1.0	J 20	19.2	91	20	20.4	97	6	66-120/12
994-05-8	Tert-Amyl Methyl Ether	ND	20	22.5	113	20	22.9	115	2	77-126/10
75-65-0	Tert-Butyl Alcohol	ND	100	105	105	100	107	107	2	52-148/18
108-88-3	Toluene	ND	20	20.9	105	20	21.2	106	1	78-121/10
1330-20-7	Xylene (total)	ND	60	64.8	108	60	65.8	110	2	78-122/10

CAS No.	Surrogate Recoveries	MS	MSD	C44470-1	Limits
1868-53-7	Dibromofluoromethane	115%	113%	115%	80-123%
2037-26-5	Toluene-D8	104%	103%	104%	88-112%
460-00-4	4-Bromofluorobenzene	101%	100%	92%	79-114%

* = Outside of Control Limits.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: C44253
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13942-MB	HH329989.D	1	02/26/16	YN	02/26/16	OP13942	GHH1749

The QC reported here applies to the following samples:

Method: SW846 8015B M

C44253-1, C44253-2, C44253-3, C44253-4

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	0.10	0.025	mg/l	
	TPH (> C28-C40)	ND	0.20	0.050	mg/l	

CAS No.	Surrogate Recoveries	Limits
630-01-3	Hexacosane	79% 40-134%

7.1.1
7

Blank Spike/Blank Spike Duplicate Summary

Job Number: C44253
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13942-BS	HH329990.D	1	02/26/16	YN	02/26/16	OP13942	GHH1749
OP13942-BSD	HH329991.D	1	02/26/16	YN	02/26/16	OP13942	GHH1749

The QC reported here applies to the following samples: **Method:** SW846 8015B M

C44253-1, C44253-2, C44253-3, C44253-4

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	1	0.697	70	0.695	70	0	50-108/18
	TPH (> C28-C40)	1	0.842	84	0.921	92	9	56-120/16

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
630-01-3	Hexacosane	77%	79%	40-134%

* = Outside of Control Limits.

7.2.1
7

Matrix Spike Summary

Job Number: C44253
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13942-MS	HH329992.D	1	02/26/16	YN	02/26/16	OP13942	GHH1749
C44253-3	HH330000.D	1	02/26/16	YN	02/26/16	OP13942	GHH1749

The QC reported here applies to the following samples:

Method: SW846 8015B M

C44253-1, C44253-2, C44253-3, C44253-4

CAS No.	Compound	C44253-3 mg/l	Spike Q	mg/l	MS mg/l	MS %	Limits
	TPH (C10-C28)	1.06	0.943	1.15	10* a	50-108	
	TPH (> C28-C40)	0.232	0.943	0.581	37* a	56-120	

CAS No.	Surrogate Recoveries	MS	C44253-3	Limits
630-01-3	Hexacosane	53%	58%	40-134%

(a) Outside control limits due to matrix interference. Emulsion formed during extraction process.

* = Outside of Control Limits.

7.3.1
7

Duplicate Summary

Job Number: C44253
Account: CCCAD Compliance & Closure, Inc.
Project: T10000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13942-DUP	HH330149.D	1	03/01/16	FL	02/26/16	OP13942	GHH1751
C44253-2	HH330148.D	1	03/01/16	FL	02/26/16	OP13942	GHH1751

The QC reported here applies to the following samples:

Method: SW846 8015B M

C44253-1, C44253-2, C44253-3, C44253-4

CAS No.	Compound	C44253-2 mg/l	DUP Q mg/l	Q RPD	Limits
	TPH (C10-C28)	1.03	0.826	22* a	18
	TPH (> C28-C40)	0.513	0.515	0	16

CAS No.	Surrogate Recoveries	DUP	C44253-2	Limits
630-01-3	Hexacosane	83%	70%	40-134%

(a) Outside laboratory control limits.

* = Outside of Control Limits.

SGS Accutest Northern California		Sep 20, 2016 17:23 pm			
Job Number:	C44253				
Account:	Compliance & Closure, Inc.				
Project:	T1000005974-De Long Petroleum - 1716 Webster Street, Alameda, CA				
Project Number:	12214-1				
Legend:					Hit
Client Sample ID:	MW-3A	MW-1	RW-1	MW-2A	
Lab Sample ID:	C44253-1	C44253-2	C44253-3	C44253-4	
Date Sampled:	02/25/2016	02/25/2016	02/25/2016	02/25/2016	
Matrix:	Ground Water	Ground Water	Ground Water	Ground Water	
GC/MS Volatiles (SW846 8260B)					
Benzene	ug/l	ND (0.20)	49.5	0.27 J	ND (0.20)
Toluene	ug/l	ND (0.20)	2.6	ND (0.20)	ND (0.20)
Ethylbenzene	ug/l	ND (0.20)	48.5	ND (0.20)	ND (0.20)
Xylene (total)	ug/l	ND (0.46)	62.5	ND (0.46)	ND (0.46)
Di-Isopropyl ether	ug/l	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Ethyl Tert Butyl Ether	ug/l	ND (0.22)	ND (0.22)	ND (0.22)	ND (0.22)
Methyl Tert Butyl Ether	ug/l	ND (0.20)	51.3	0.61 J	ND (0.20)
Naphthalene	ug/l	ND (0.50)	56.1	ND (0.50)	ND (0.50)
Tert-Amyl Methyl Ether	ug/l	ND (0.40)	15.5	ND (0.40)	ND (0.40)
Tert-Butyl Alcohol	ug/l	ND (2.4)	34.5	ND (2.4) ^a	ND (2.4)
TPH-GRO (C6-C10)	ug/l	ND (25)	351	ND (25)	ND (25)
GC Semi-volatiles (SW846 8015B M)					
TPH (C10-C28)	mg/l	0.0354 J	1.03	1.06	0.0410 J
TPH (>C28-C40)	mg/l	ND (0.047)	0.513	0.232	ND (0.047)
Footnotes:					
^a CCV outside of control limits (biased high); not detected in sample.					