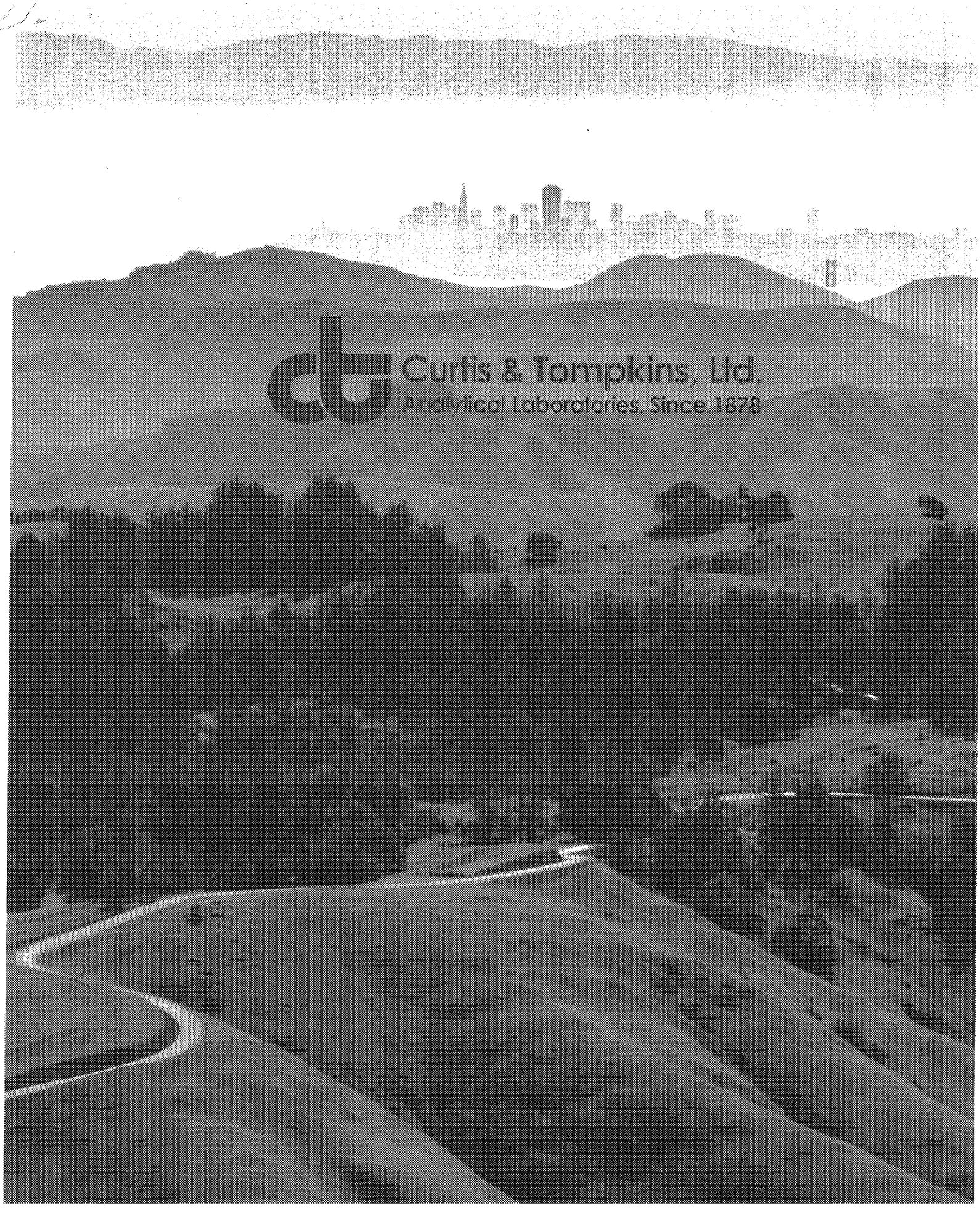
Curtis & Tompkins, Ltd.
Analytical Laboratories Since 1878

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

Laboratory Job Number 276851
ANALYTICAL REPORT

USEPA Region 9, P-3-1 1337 So. 46th Richmond, CA 94804-4698	Project : R16N02 Location : OCS 2016 Sampling Level : II

Sample ID	Lab ID
PLATFORM A	276851-001
PLATFORM B	276851-002

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 signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: Tracy Babjar

Date: 05/18/2016

Tracy Babjar
Project Manager
tracy.babjar@ctberk.com
(510) 204-2226

CA ELAP# 2896, NELAP# 4044-001

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**276851**
Client:	**USEPA Region 9, P-3-1**
Project:	**R16N02**
Location:	**OCS 2016 Sampling**
Request Date:	**05/13/16**
Samples Received:	**05/13/16**

This data package contains sample and QC results for two water samples, requested for the above referenced project on 05/13/16. The samples were received cold and intact.

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

276851

ENVIRONMENTAL PROTECTION AGENCY
Region 9 Laboratory

CHAIN OF CUSTODY RECORD

1337 S. 46th St., Bldg. 201
Richmond, CA 94804-4698

PROJ. NO.: R16N02

PROJECT NAME: OCS 2016 SAMPLING

SAMPLERS: (Signature) JAMES SAMMONS (BSEE)

DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NO. OF CONTAINERS	Oil + Grease						REMARKS
5/2/16	0925	W		X	PLATFORM A	2	X						
8	0940	W		X	PLATFORM B	2	X						

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	05/13/16 1115				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Received for Laboratory by: (Signature)	Date / Time	Temp.	Seals Intact (Y/N)	Conditions / Remarks	
Pat [signature]	05/13/16 11:15			HAND DELIVERY TO C&T LABS, BERKELEY, CA	

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

9-3202

ED_006450_00002917-00004

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 276851 Date Received 5/13/16 Number of coolers 1
Client Environmental Protection Agency Project R16V02

Date Opened 5/13 By (print) SL (sign) [illegible]
Date Logged in 4 By (print) CJN (sign) [illegible]

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
   Shipping info _____

2A. Were custody seals present? .... ☒ YES (circle) on cooler ~~on samples~~ ☐ NO
   How many 2 Name — Date —
2B. Were custody seals intact upon arrival? _____ YES (NO) N/A
3. Were custody papers dry and intact when received? _____ (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? _____ (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ___ (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

☒ Bubble Wrap ☐ Foam blocks ☒ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) 5.4°

☐ Temperature blank(s) included? ☐ Thermometer# _____ ☒ IR Gun# B

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES (NO)
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? _____ (YES) NO
10. Are there any missing / extra samples? _____ YES (NO)
11. Are samples in the appropriate containers for indicated tests? _____ (YES) NO
12. Are sample labels present, in good condition and complete? _____ (YES) NO
13. Do the sample labels agree with custody papers? _____ (YES) NO
14. Was sufficient amount of sample sent for tests requested? _____ (YES) NO
15. Are the samples appropriately preserved? _____ YES NO (N/A)
16. Did you check preservatives for all bottles for each sample? _____ YES NO (N/A)
17. Did you document your preservative check? (pH strip lot# _____) YES NO (N/A)
18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO (N/A)
19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO (N/A)
20. Are bubbles > 6mm absent in VOA samples? _____ YES NO (N/A)
21. Was the client contacted concerning this sample delivery? _____ YES (NO)
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____

Curtis & Tompkins, Ltd.

Detections Summary for 276851

Results for any subcontracted analyses are not included in this summary.

Client : USEPA Region 9, P-3-1
Project : R16N02
Location : OCS 2016 Sampling

Client Sample ID : PLATFORM A Laboratory Sample ID : 276851-001

Analyte	Result	Flags	RL	MDL	Units	Basis	IDF	Method	Prep Method
Oil & Grease (HEM)	3.40	J	10.0	1.70	mg/L	TOTAL	1.000	EPA 1664A	METHOD

Client Sample ID : PLATFORM B Laboratory Sample ID : 276851-002

No Detections

J = Estimated value

Curtis & Tompkins, Ltd.

Total Oil & Grease (HEM)

Lab #:	276851	Location:	OCS 2016 Sampling
Client:	USEPA Region 9, P-3-1	Prep:	METHOD
Project#:	R16N02	Analysis:	EPA 1664A
Analyte:	Oil & Grease (HEM)	Batch#:	235182
Matrix:	Water	Received:	05/13/16
Units:	mg/L	Analyzed:	05/17/16 16:00
Diln Fac:	1.000		

Field ID	Type	Lab ID		Result	RL	MDL	Sampled
PLATFORM A	SAMPLE	276851-001		3.40 J	10.0	1.70	05/02/16 07:25
PLATFORM B	SAMPLE	276851-002	ND		10.0	1.70	05/02/16 09:40
	BLANK	QC835910	ND		5.00	1.70	

J= Estimated value
ND= Not Detected at or above MDL
RL= Reporting Limit
MDL= Method Detection Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Oil & Grease (HEM)

Lab #:	276851	Location:	OCS 2016 Sampling
Client:	USEPA Region 9, P-3-1	Prep:	METHOD
Project#:	R16N02	Analysis:	EPA 1664A
Analyte:	Oil & Grease (HEM)	Diln Fac:	1.000
Matrix:	Water	Batch#:	235182
Units:	mg/L	Analyzed:	05/17/16 16:00

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC835911	40.00	34.40	86	78-114		
BSD	QC835912	40.00	31.60	79	78-114	8	18

RPD= Relative Percent Difference