
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 269073
ANALYTICAL REPORT

CAVIDYNE LLC

Project : STANDARD
Location : Cavidyne / Cape Orlando
Level : II

Sample ID	Lab ID
METALS BACKGROUND (A)	269073-001
BIO SPECIMAN PULL (A)	269073-002
METALS CLEANING 1' (A)	269073-003
METALS CLEANING 10' (A)	269073-004
METALS CLEANING 30' (A)	269073-005
METALS BACKGROUND (B)	269073-006
BIO SPECIMEN PULL (B)	269073-007
METAL CLEANING 1' (B)	269073-008
METAL CLEANING 10' (B)	269073-009
METAL CLEANING 30' (B)	269073-010

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: Will Rice Date: 09/03/2015

Will Rice
Project Manager
will.rice@ctberk.com

CA ELAP# 2896, NELAP# 4044-001

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	**269073**
Client:	**CAVIDYNE LLC**
Location:	**Cavidyne / Cape Orlando**
Request Date:	**08/17/15**
Samples Received:	**08/17/15**

This data package contains sample and QC results for eight water samples and two solid samples, requested for the above referenced project on 08/17/15. The samples were received cold and intact. Some sample preservation was done upon receipt; see the attached receipt form.

Metals (EPA 6010B, EPA 6020, and EPA 7470A) Water:
High recovery was observed for barium in the MSD for batch 226249; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits. No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A) Miscell.:
No analytical problems were encountered.

Metals (EPA 6010B, EPA 6020, and EPA 7470A) Filtrate:
No analytical problems were encountered.

pH (EPA 9045D):
No analytical problems were encountered.

pH (EPA 9040C):
No analytical problems were encountered.

CHAIN OF CUSTODY

Curtis & Tompkins Laboratories
ENVIRONMENTAL ANALYTICAL TESTING LABORATORY
In Business Since 1878

2323 Fifth Street
Berkeley, CA 94710

Phone (510) 486-0900
Fax (510) 486-0532

269073
C&T LOGIN # _____

Page ____ of ____
Chain of Custody # _____

Project No:
Project Name: CAVIDYNE / CAPE ORLANDO
Project P. O. No:
EDD Format: Report Level ☐ II ☐ III ☐ IV
Turnaround Time: ☐ RUSH _____ ☐ Standard

Sampler: IAN McDOWELL HAMILTON ~~CAVIDYNE LLC / IHM~~
Report To: IAN McDOWELL HAMILTON
Company: CAVIDYNE LLC
Telephone: 619.376.5062
Email: imh315@gmail.com

Lab No.	Sample ID.	SAMPLING		MATRIX				# of Containers	CHEMICAL PRESERVATIVE					ANALYTICAL REQUEST			
		Date Collected	Time Collected	Water	Solid				HCl	H2SO4	HNO3	NaOH	None	Total TZZ metals	Dissolved TZZ metals	pH	
1 (a)	METALS BACKGROUND	17AUG 15	~1:15	X				1						X	X		
2 (a)	BIO SPECIMEN CULL*	17 AUG 15	~1:30		X			1						X		X	
4A (a)	METAL CLEANING 1'	17 AUG 15	~2:10PM	X				1						X	X	X	
4B (a)	METALS CLEANING 10'	17 AUG 15	~2:50PM	X				1						X	X	X	
4C (a)	METAL CLEANING 30'	17 AUG 15	~3:00 PM	X				1						X	X	X	
1 (a)	METAL BACKGROUND	17AUG 15	~1:15	X				1						X	X	X	
2 (a)	BIO SPECIMEN CULL	17AUG 15	~1:30		X			1						A		X	
4A (a)	METAL CLEANING 1'	17 AUG 15	~2:10	X				1						X	X	X	
4B (a)	METAL CLEANING 10'	17 AUG 15	~2:50	X				1						X	X	X	
4C (a)	METAL CLEANING 30'	17 AUG 15	~3:00	X				1						X	X	X	

Notes:
DISSOLVED METALS & PH
~~BACKGROUND~~
* Sample from biological solids

SAMPLE RECEIPT
☐ Intact
☐ Cold
☐ On Ice
☐ Ambient

RELINQUISHED BY:
DATE: 17/AUG TIME: 5:00
DATE: TIME:
DATE: TIME:

RECEIVED BY:
DATE: 8/17 TIME: 5:00
DATE: TIME:
DATE: TIME:

COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 269073 Date Received 8/17/15 Number of coolers 1
Client Cavidyne Project Cavidyne / Cape Orlando

Date Opened 8/17 By (print) SL (sign) [signature]
Date Logged in ↓ By (print) ↓ (sign) ↓

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 _____ 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) _____

☐ Samples Received on ice & cold without a temperature blank; temp. taken with IR gun

☒ 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? _____ (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

_____
_____
_____
_____
_____
_____

Rev 10, 9/12

Curtis & Tompkins Sample Preservation for 269073

Sample	pH: <2	>9	>12	Other
-001a	[X]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
-003a	[X]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
-004a	[X]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
-005a	[X]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
-006a	[X]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
-008a	[X]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
-009a	[X]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____
-010a	[X]	[ ]	[ ]	_____
b	[ ]	[ ]	[ ]	_____

Analyst: SL
Date: 8/17/16

Page 1 of 1

Curtis & Tompkins, Ltd.

Detections Summary for 269073

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

Client : CAVIDYNE LLC
Project : STANDARD
Location : Cavidyne / Cape Orlando

Client Sample ID : METALS BACKGROUND (A) Laboratory Sample ID : 269073-001

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Antimony	10		10	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Barium	17		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Chromium	28		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Copper	14		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Molybdenum	20		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Arsenic	8.3		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Barium	21		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Chromium	31		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Copper	11		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Molybdenum	19		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
pH	7.8		1.0	SU	TOTAL	1.000	EPA 9040C	METHOD

Client Sample ID : BIO SPECIMAN PULL (A) Laboratory Sample ID : 269073-002

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Arsenic	2.2		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Barium	9.9		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Beryllium	0.15		0.10	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	18		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Cobalt	3.0		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Copper	770		25	mg/Kg	As Recd	100.0	EPA 6010B	EPA 3050B
Lead	9.2		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	16		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Vanadium	14		0.25	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	140		1.0	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
pH	6.6		1.0	SU	As Recd	1.000	EPA 9045D	METHOD

Client Sample ID : METALS CLEANING 1' (A) Laboratory Sample ID : 269073-003

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Antimony	12		10	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Arsenic	18		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Barium	16		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Chromium	27		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Copper	14		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Molybdenum	12		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Arsenic	10		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Barium	18		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Chromium	32		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Copper	11		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Molybdenum	19		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
pH	8.0		1.0	SU	TOTAL	1.000	EPA 9040C	METHOD

Client Sample ID : METALS CLEANING 10' (A) Laboratory Sample ID : 269073-004

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Arsenic	16		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Barium	16		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Chromium	26		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Copper	17		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Molybdenum	12		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Arsenic	6.8		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Barium	16		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Chromium	31		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Copper	12		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Molybdenum	19		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
pH	8.0		1.0	SU	TOTAL	1.000	EPA 9040C	METHOD

Client Sample ID : METALS CLEANING 30' (A) Laboratory Sample ID : 269073-005

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Antimony	12		10	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Arsenic	13		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Barium	16		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Chromium	27		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Copper	11		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Molybdenum	11		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Arsenic	7.8		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Barium	16		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Chromium	31		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Copper	7.9		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Molybdenum	19		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
pH	8.0		1.0	SU	TOTAL	1.000	EPA 9040C	METHOD

Curtis & Tompkins, Ltd.

Client Sample ID : METALS BACKGROUND (B) Laboratory Sample ID : 269073-006

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Arsenic	14		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Barium	16		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Chromium	29		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Copper	10		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Molybdenum	11		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Arsenic	11		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Barium	16		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Chromium	30		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Copper	6.7		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Molybdenum	18		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
pH	8.0		1.0	SU	TOTAL	1.000	EPA 9040C	METHOD

Client Sample ID : BIO SPECIMEN PULL (B) Laboratory Sample ID : 269073-007

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Arsenic	2.3		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Barium	11		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Beryllium	0.16		0.095	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Cadmium	0.25		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	21		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Cobalt	3.3		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Copper	560		24	mg/Kg	As Recd	100.0	EPA 6010B	EPA 3050B
Lead	11		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	18		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Vanadium	15		0.24	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	110		0.95	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
pH	7.0		1.0	SU	As Recd	1.000	EPA 9045D	METHOD

Client Sample ID : METAL CLEANING 1' (B) Laboratory Sample ID : 269073-008

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Antimony	18		10	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Arsenic	13		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Barium	26		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Chromium	30		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Copper	38		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Molybdenum	11		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Vanadium	6.0		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Barium	15		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Chromium	30		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Copper	21		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Molybdenum	17		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Zinc	27		20	ug/L	DISS.	1.000	EPA 6010B	METHOD
pH	8.1		1.0	SU	TOTAL	1.000	EPA 9040C	METHOD

Curtis & Tompkins, Ltd.

Client Sample ID : METAL CLEANING 10' (B) Laboratory Sample ID : 269073-009

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Barium	16		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Chromium	28		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Copper	13		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Arsenic	8.9		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Barium	16		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Chromium	31		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Copper	8.8		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Molybdenum	18		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
pH	8.1		1.0	SU	TOTAL	1.000	EPA 9040C	METHOD

Client Sample ID : METAL CLEANING 30' (B) Laboratory Sample ID : 269073-010

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Barium	15		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Chromium	27		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Copper	9.7		5.0	ug/L	TOTAL	1.000	EPA 6010B	METHOD
Arsenic	9.1		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Barium	16		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Chromium	32		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Copper	7.0		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
Molybdenum	18		5.0	ug/L	DISS.	1.000	EPA 6010B	METHOD
pH	8.0		1.0	SU	TOTAL	1.000	EPA 9040C	METHOD

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Field ID:	METALS BACKGROUND (A)	Units:	ug/L
Lab ID:	269073-001	Sampled:	08/17/15
Matrix:	Water	Received:	08/17/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	10	10	1.000	226249	08/18/15	08/24/15	EPA 6010B
Arsenic	ND	50	10.00	226249	08/18/15	08/26/15	EPA 6010B
Barium	17	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Beryllium	ND	2.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Cadmium	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Chromium	28	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Cobalt	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Copper	14	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Lead	ND	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Mercury	ND	0.20	1.000	226276	08/19/15	08/19/15	EPA 7470A
Molybdenum	20	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Nickel	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Selenium	ND	100	10.00	226249	08/18/15	08/25/15	EPA 6010B
Silver	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Thallium	ND	1.0	10.00	226249	08/18/15	08/21/15	EPA 6020
Vanadium	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Zinc	ND	20	1.000	226249	08/18/15	08/20/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Field ID:	METALS CLEANING 1' (A)	Units:	ug/L
Lab ID:	269073-003	Sampled:	08/17/15
Matrix:	Water	Received:	08/17/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	12	10	1.000	226249	08/18/15	08/21/15	EPA 6010B
Arsenic	18	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Barium	16	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Beryllium	ND	2.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Cadmium	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Chromium	27	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Cobalt	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Copper	14	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Lead	ND	50	10.00	226249	08/18/15	08/25/15	EPA 6010B
Mercury	ND	0.20	1.000	226276	08/19/15	08/19/15	EPA 7470A
Molybdenum	12	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Nickel	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Selenium	ND	100	10.00	226249	08/18/15	08/25/15	EPA 6010B
Silver	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Thallium	ND	1.0	10.00	226249	08/18/15	08/21/15	EPA 6020
Vanadium	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Zinc	ND	20	1.000	226249	08/18/15	08/20/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Field ID:	METALS CLEANING 10' (A)	Units:	ug/L
Lab ID:	269073-004	Sampled:	08/17/15
Matrix:	Water	Received:	08/17/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	10	1.000	226249	08/18/15	08/24/15	EPA 6010B
Arsenic	16	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Barium	16	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Beryllium	ND	2.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Cadmium	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Chromium	26	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Cobalt	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Copper	17	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Lead	ND	50	10.00	226249	08/18/15	08/25/15	EPA 6010B
Mercury	ND	0.20	1.000	226276	08/19/15	08/19/15	EPA 7470A
Molybdenum	12	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Nickel	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Selenium	ND	100	10.00	226249	08/18/15	08/25/15	EPA 6010B
Silver	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Thallium	ND	1.0	10.00	226249	08/18/15	08/21/15	EPA 6020
Vanadium	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Zinc	ND	20	1.000	226249	08/18/15	08/20/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Field ID:	METALS CLEANING 30' (A)	Units:	ug/L
Lab ID:	269073-005	Sampled:	08/17/15
Matrix:	Water	Received:	08/17/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	12	10	1.000	226249	08/18/15	08/21/15	EPA 6010B
Arsenic	13	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Barium	16	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Beryllium	ND	2.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Cadmium	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Chromium	27	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Cobalt	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Copper	11	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Lead	ND	50	10.00	226249	08/18/15	08/26/15	EPA 6010B
Mercury	ND	0.20	1.000	226276	08/19/15	08/19/15	EPA 7470A
Molybdenum	11	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Nickel	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Selenium	ND	100	10.00	226249	08/18/15	08/26/15	EPA 6010B
Silver	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Thallium	ND	1.0	10.00	226249	08/18/15	08/21/15	EPA 6020
Vanadium	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Zinc	ND	20	1.000	226249	08/18/15	08/20/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Field ID:	METALS BACKGROUND (B)	Units:	ug/L
Lab ID:	269073-006	Sampled:	08/17/15
Matrix:	Water	Received:	08/17/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	100	10.00	226249	08/18/15	08/26/15	EPA 6010B
Arsenic	14	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Barium	16	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Beryllium	ND	2.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Cadmium	ND	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Chromium	29	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Cobalt	ND	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Copper	10	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Lead	ND	50	10.00	226249	08/18/15	08/26/15	EPA 6010B
Mercury	ND	0.20	1.000	226276	08/19/15	08/19/15	EPA 7470A
Molybdenum	11	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Nickel	ND	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Selenium	ND	100	10.00	226249	08/18/15	08/26/15	EPA 6010B
Silver	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Thallium	ND	1.0	10.00	226249	08/18/15	08/21/15	EPA 6020
Vanadium	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Zinc	ND	200	10.00	226249	08/18/15	08/26/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Field ID:	METAL CLEANING 1' (B)	Units:	ug/L
Lab ID:	269073-008	Sampled:	08/17/15
Matrix:	Water	Received:	08/17/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	18	10	1.000	226249	08/18/15	08/21/15	EPA 6010B
Arsenic	13	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Barium	26	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Beryllium	ND	2.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Cadmium	ND	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Chromium	30	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Cobalt	ND	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Copper	38	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Lead	ND	50	10.00	226249	08/18/15	08/26/15	EPA 6010B
Mercury	ND	0.20	1.000	226276	08/19/15	08/19/15	EPA 7470A
Molybdenum	11	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Nickel	ND	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Selenium	ND	100	10.00	226249	08/18/15	08/26/15	EPA 6010B
Silver	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Thallium	ND	1.0	10.00	226249	08/18/15	08/21/15	EPA 6020
Vanadium	6.0	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Zinc	ND	200	10.00	226249	08/18/15	08/26/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Field ID:	METAL CLEANING 10' (B)	Units:	ug/L
Lab ID:	269073-009	Sampled:	08/17/15
Matrix:	Water	Received:	08/17/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	100	10.00	226249	08/18/15	08/26/15	EPA 6010B
Arsenic	ND	50	10.00	226249	08/18/15	08/26/15	EPA 6010B
Barium	16	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Beryllium	ND	2.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Cadmium	ND	50	10.00	226249	08/18/15	08/26/15	EPA 6010B
Chromium	28	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Cobalt	ND	50	10.00	226249	08/18/15	08/26/15	EPA 6010B
Copper	13	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Lead	ND	50	10.00	226249	08/18/15	08/26/15	EPA 6010B
Mercury	ND	0.20	1.000	226276	08/19/15	08/19/15	EPA 7470A
Molybdenum	ND	50	10.00	226249	08/18/15	08/26/15	EPA 6010B
Nickel	ND	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Selenium	ND	100	10.00	226249	08/18/15	08/26/15	EPA 6010B
Silver	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Thallium	ND	1.0	10.00	226249	08/18/15	08/21/15	EPA 6020
Vanadium	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Zinc	ND	200	10.00	226249	08/18/15	08/26/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Field ID:	METAL CLEANING 30' (B)	Units:	ug/L
Lab ID:	269073-010	Sampled:	08/17/15
Matrix:	Water	Received:	08/17/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	100	10.00	226249	08/18/15	08/26/15	EPA 6010B
Arsenic	ND	50	10.00	226249	08/18/15	08/26/15	EPA 6010B
Barium	15	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Beryllium	ND	2.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Cadmium	ND	50	10.00	226249	08/18/15	08/26/15	EPA 6010B
Chromium	27	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Cobalt	ND	50	10.00	226249	08/18/15	08/26/15	EPA 6010B
Copper	9.7	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Lead	ND	50	10.00	226249	08/18/15	08/26/15	EPA 6010B
Mercury	ND	0.20	1.000	226276	08/19/15	08/19/15	EPA 7470A
Molybdenum	ND	50	10.00	226249	08/18/15	08/26/15	EPA 6010B
Nickel	ND	5.0	1.000	226249	08/18/15	08/21/15	EPA 6010B
Selenium	ND	100	10.00	226249	08/18/15	08/26/15	EPA 6010B
Silver	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Thallium	ND	1.0	10.00	226249	08/18/15	08/21/15	EPA 6020
Vanadium	ND	5.0	1.000	226249	08/18/15	08/20/15	EPA 6010B
Zinc	ND	200	10.00	226249	08/18/15	08/26/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Type:	BLANK	Units:	ug/L
Lab ID:	QC800004	Batch#:	226249
Matrix:	Water	Prepared:	08/18/15

Analyte	Result	RL	Diln Fac	Analyzed	Analysis
Antimony	ND	10	1.000	08/21/15	EPA 6010B
Arsenic	ND	5.0	1.000	08/21/15	EPA 6010B
Barium	ND	5.0	1.000	08/20/15	EPA 6010B
Beryllium	ND	2.0	1.000	08/20/15	EPA 6010B
Cadmium	ND	5.0	1.000	08/20/15	EPA 6010B
Chromium	ND	5.0	1.000	08/20/15	EPA 6010B
Cobalt	ND	5.0	1.000	08/20/15	EPA 6010B
Copper	ND	5.0	1.000	08/20/15	EPA 6010B
Lead	ND	5.0	1.000	08/21/15	EPA 6010B
Molybdenum	ND	5.0	1.000	08/20/15	EPA 6010B
Nickel	ND	5.0	1.000	08/20/15	EPA 6010B
Selenium	ND	10	1.000	08/21/15	EPA 6010B
Silver	ND	5.0	1.000	08/20/15	EPA 6010B
Thallium	ND	1.0	10.00	08/21/15	EPA 6020
Vanadium	ND	5.0	1.000	08/20/15	EPA 6010B
Zinc	ND	20	1.000	08/20/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Matrix:	Water	Batch#:	226249
Units:	ug/L	Prepared:	08/18/15

Type: BS Lab ID: QC800005

Analyte	Spiked	Result	%REC	Limits	Dil'n Fac	Analyzed	Analysis
Antimony	100.0	101.8	102	79-120	1.000	08/21/15	EPA 6010B
Arsenic	100.0	96.25	96	80-120	1.000	08/21/15	EPA 6010B
Barium	100.0	101.3	101	80-120	1.000	08/20/15	EPA 6010B
Beryllium	100.0	102.4	102	80-120	1.000	08/20/15	EPA 6010B
Cadmium	100.0	99.07	99	80-120	1.000	08/20/15	EPA 6010B
Chromium	100.0	100.2	100	80-120	1.000	08/20/15	EPA 6010B
Cobalt	100.0	96.99	97	80-120	1.000	08/20/15	EPA 6010B
Copper	100.0	98.36	98	80-120	1.000	08/20/15	EPA 6010B
Lead	100.0	95.67	96	80-120	1.000	08/21/15	EPA 6010B
Molybdenum	100.0	100.2	100	80-120	1.000	08/20/15	EPA 6010B
Nickel	100.0	96.55	97	80-120	1.000	08/20/15	EPA 6010B
Selenium	100.0	93.50	94	80-120	1.000	08/21/15	EPA 6010B
Silver	100.0	95.71	96	77-120	1.000	08/20/15	EPA 6010B
Thallium	50.00	50.10	100	80-120	5.000	08/21/15	EPA 6020
Vanadium	100.0	102.4	102	80-120	1.000	08/20/15	EPA 6010B
Zinc	100.0	99.51	100	80-120	1.000	08/20/15	EPA 6010B

Type: BSD Lab ID: QC800006

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Dil'n Fac	Analyzed	Analysis
Antimony	100.0	99.68	100	79-120	2	20	1.000	08/21/15	EPA 6010B
Arsenic	100.0	96.34	96	80-120	0	20	1.000	08/21/15	EPA 6010B
Barium	100.0	101.1	101	80-120	0	20	1.000	08/20/15	EPA 6010B
Beryllium	100.0	102.2	102	80-120	0	20	1.000	08/20/15	EPA 6010B
Cadmium	100.0	99.99	100	80-120	1	20	1.000	08/20/15	EPA 6010B
Chromium	100.0	100.5	100	80-120	0	20	1.000	08/20/15	EPA 6010B
Cobalt	100.0	98.86	99	80-120	2	20	1.000	08/20/15	EPA 6010B
Copper	100.0	98.53	99	80-120	0	20	1.000	08/20/15	EPA 6010B
Lead	100.0	96.18	96	80-120	1	20	1.000	08/21/15	EPA 6010B
Molybdenum	100.0	101.1	101	80-120	1	20	1.000	08/20/15	EPA 6010B
Nickel	100.0	97.50	97	80-120	1	20	1.000	08/20/15	EPA 6010B
Selenium	100.0	96.18	96	80-120	3	20	1.000	08/21/15	EPA 6010B
Silver	100.0	96.24	96	77-120	1	20	1.000	08/20/15	EPA 6010B
Thallium	50.00	48.10	96	80-120	4	20	5.000	08/21/15	EPA 6020
Vanadium	100.0	101.6	102	80-120	1	20	1.000	08/20/15	EPA 6010B
Zinc	100.0	100.8	101	80-120	1	20	1.000	08/20/15	EPA 6010B

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	226249
MSS Lab ID:	269107-001	Sampled:	08/18/15
Matrix:	Water	Received:	08/18/15
Units:	ug/L	Prepared:	08/18/15
Diln Fac:	1.000		

Type: MS Lab ID: QC800007

Analyte	MSS Result	Spiked	Result	%REC	Limits	Analyzed
Antimony	<2.000	100.0	102.9	103	74-120	08/21/15
Arsenic	<1.538	100.0	95.12	95	80-127	08/21/15
Barium	138.0	100.0	239.5	102	80-120	08/20/15
Beryllium	<0.4000	100.0	104.6	105	80-120	08/20/15
Cadmium	<1.000	100.0	98.65	99	80-120	08/21/15
Chromium	12.33	100.0	115.2	103	80-120	08/20/15
Cobalt	2.217	100.0	96.62	94	80-120	08/20/15
Copper	9.468	100.0	107.0	98	80-120	08/20/15
Lead	<1.190	100.0	89.50	90	67-120	08/21/15
Molybdenum	27.17	100.0	128.1	101	80-120	08/20/15
Nickel	6.511	100.0	100.6	94	80-120	08/20/15
Selenium	<3.146	100.0	90.32	90	73-132	08/21/15
Silver	<1.000	100.0	101.8	102	67-120	08/21/15
Thallium		NA				
Vanadium	5.111	100.0	106.0	101	80-120	08/20/15
Zinc	<4.000	100.0	103.0	103	80-122	08/20/15

Type: MSD Lab ID: QC800008

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analyzed
Antimony	100.0	102.1	102	74-120	1	24	08/21/15
Arsenic	100.0	92.09	92	80-127	3	25	08/21/15
Barium	100.0	261.1	123 *	80-120	9	20	08/20/15
Beryllium	100.0	115.0	115	80-120	10	20	08/20/15
Cadmium	100.0	96.98	97	80-120	2	20	08/21/15
Chromium	100.0	125.2	113	80-120	8	20	08/20/15
Cobalt	100.0	104.4	102	80-120	8	20	08/20/15
Copper	100.0	118.0	109	80-120	10	20	08/20/15
Lead	100.0	89.18	89	67-120	0	23	08/21/15
Molybdenum	100.0	140.0	113	80-120	9	20	08/20/15
Nickel	100.0	109.4	103	80-120	8	20	08/20/15
Selenium	100.0	89.79	90	73-132	1	30	08/21/15
Silver	100.0	102.1	102	67-120	0	22	08/21/15
Thallium	NA						
Vanadium	100.0	115.4	110	80-120	9	20	08/20/15
Zinc	100.0	112.7	113	80-122	9	20	08/20/15

*= Value outside of QC limits; see narrative
NA= Not Analyzed
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	226276
Lab ID:	QC800103	Prepared:	08/19/15
Matrix:	Water	Analyzed:	08/19/15
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	226276
Matrix:	Water	Prepared:	08/19/15
Units:	ug/L	Analyzed:	08/19/15
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC800104	2.500	2.437	97	80-120		
BSD	QC800105	2.500	2.292	92	80-120	6	24

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	226276
Field ID:	ZZZZZZZZZZ	Sampled:	08/19/15
MSS Lab ID:	269121-001	Received:	08/19/15
Matrix:	Water	Prepared:	08/19/15
Units:	ug/L	Analyzed:	08/19/15
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC800106	<0.02080	2.500	2.533	101	60-130		
MSD	QC800107		2.500	2.581	103	60-130	2	34

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	269073	Project#:	STANDARD
Client:	CAVIDYNE LLC	Location:	Cavidyne / Cape Orlando
Field ID:	BIO SPECIMAN PULL (A)	Basis:	as received
Lab ID:	269073-002	Sampled:	08/17/15
Matrix:	Miscell.	Received:	08/17/15
Units:	mg/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.51	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Arsenic	2.2	0.25	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Barium	9.9	0.25	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Beryllium	0.15	0.10	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Cadmium	ND	0.25	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Chromium	18	0.25	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Cobalt	3.0	0.25	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Copper	770	25	100.0	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Lead	9.2	0.25	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Mercury	ND	0.016	1.000	226385	08/22/15	08/22/15	METHOD	EPA 7471A
Molybdenum	ND	0.25	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Nickel	16	0.25	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Selenium	ND	0.51	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Silver	ND	0.25	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Thallium	ND	0.51	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Vanadium	14	0.25	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Zinc	140	1.0	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

California Title 22 Metals

Lab #:	269073	Project#:	STANDARD
Client:	CAVIDYNE LLC	Location:	Cavidyne / Cape Orlando
Field ID:	BIO SPECIMEN PULL (B)	Basis:	as received
Lab ID:	269073-007	Sampled:	08/17/15
Matrix:	Miscell.	Received:	08/17/15
Units:	mg/Kg		

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	0.48	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Arsenic	2.3	0.24	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Barium	11	0.24	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Beryllium	0.16	0.095	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Cadmium	0.25	0.24	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Chromium	21	0.24	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Cobalt	3.3	0.24	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Copper	560	24	100.0	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Lead	11	0.24	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Mercury	ND	0.016	1.000	226385	08/22/15	08/22/15	METHOD	EPA 7471A
Molybdenum	ND	0.24	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Nickel	18	0.24	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Selenium	ND	0.48	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Silver	ND	0.24	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Thallium	ND	0.48	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Vanadium	15	0.24	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B
Zinc	110	0.95	1.000	226586	08/27/15	08/28/15	EPA 3050B	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Batch QC Report

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	226385
Lab ID:	QC800534	Prepared:	08/22/15
Matrix:	Soil	Analyzed:	08/22/15
Units:	mg/Kg		

Result	RL
ND	0.017

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7471A
Analyte:	Mercury	Batch#:	226385
Matrix:	Soil	Prepared:	08/22/15
Units:	mg/Kg	Analyzed:	08/22/15
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC800535	0.2083	0.2076	100	80-120		
BSD	QC800536	0.2083	0.1994	96	80-120	4	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7471A
Analyte:	Mercury	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	226385
MSS Lab ID:	269123-001	Sampled:	08/19/15
Matrix:	Soil	Received:	08/19/15
Units:	mg/Kg	Prepared:	08/22/15
Basis:	as received	Analyzed:	08/22/15

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC800537	0.008990	0.2193	0.2198	96	69-142		
MSD	QC800538		0.2016	0.2089	99	69-142	3	36

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC801332	Batch#:	226586
Matrix:	Soil	Prepared:	08/27/15
Units:	mg/Kg	Analyzed:	08/28/15

Analyte	Result	RL
Antimony	ND	0.50
Arsenic	ND	0.25
Barium	ND	0.25
Beryllium	ND	0.10
Cadmium	ND	0.25
Chromium	ND	0.25
Cobalt	ND	0.25
Copper	ND	0.25
Lead	ND	0.25
Molybdenum	ND	0.25
Nickel	ND	0.25
Selenium	ND	0.50
Silver	ND	0.25
Thallium	ND	0.50
Vanadium	ND	0.25
Zinc	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Matrix:	Soil	Batch#:	226586
Units:	mg/Kg	Prepared:	08/27/15
Diln Fac:	5.000	Analyzed:	08/28/15

Type: BS Lab ID: QC801333

Analyte	Spiked	Result	%REC	Limits
Antimony	50.00	49.82	100	80-120
Arsenic	50.00	51.77	104	80-120
Barium	50.00	50.37	101	80-120
Beryllium	50.00	53.69	107	80-120
Cadmium	50.00	52.08	104	80-120
Chromium	50.00	51.09	102	80-120
Cobalt	50.00	49.07	98	80-120
Copper	50.00	49.89	100	80-120
Lead	50.00	50.60	101	80-120
Molybdenum	50.00	51.29	103	80-120
Nickel	50.00	49.56	99	80-120
Selenium	50.00	50.18	100	80-120
Silver	50.00	49.82	100	80-120
Thallium	50.00	51.71	103	80-120
Vanadium	50.00	53.25	107	80-120
Zinc	50.00	51.74	103	80-120

Type: BSD Lab ID: QC801334

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	50.00	49.28	99	80-120	1	20
Arsenic	50.00	51.68	103	80-120	0	20
Barium	50.00	50.59	101	80-120	0	20
Beryllium	50.00	54.70	109	80-120	2	20
Cadmium	50.00	52.44	105	80-120	1	20
Chromium	50.00	50.87	102	80-120	0	20
Cobalt	50.00	49.32	99	80-120	1	20
Copper	50.00	50.05	100	80-120	0	20
Lead	50.00	50.93	102	80-120	1	20
Molybdenum	50.00	51.59	103	80-120	1	20
Nickel	50.00	49.78	100	80-120	0	20
Selenium	50.00	50.98	102	80-120	2	20
Silver	50.00	49.94	100	80-120	0	20
Thallium	50.00	51.97	104	80-120	0	20
Vanadium	50.00	53.10	106	80-120	0	20
Zinc	50.00	52.05	104	80-120	1	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	EPA 3050B
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	226586
MSS Lab ID:	269289-002	Sampled:	08/14/15
Matrix:	Soil	Received:	08/25/15
Units:	mg/Kg	Prepared:	08/27/15
Basis:	as received	Analyzed:	08/28/15
Diln Fac:	5.000		

Type: MS Lab ID: QC801335

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	0.2677	46.30	18.93	40	15-120
Arsenic	1.912	46.30	48.90	101	69-120
Barium	10.01	46.30	58.83	105	35-154
Beryllium	0.2455	46.30	51.93	112	75-120
Cadmium	0.1230	46.30	50.91	110	71-120
Chromium	6.852	46.30	56.34	107	57-133
Cobalt	2.445	46.30	49.47	102	56-125
Copper	3.036	46.30	51.68	105	54-144
Lead	3.534	46.30	51.73	104	53-125
Molybdenum	0.4020	46.30	45.24	97	66-120
Nickel	3.284	46.30	50.77	103	44-141
Selenium	<0.1493	46.30	45.58	98	61-120
Silver	<0.03726	46.30	47.81	103	69-120
Thallium	<0.1312	46.30	49.33	107	59-120
Vanadium	15.32	46.30	67.98	114	52-144
Zinc	4.614	46.30	54.40	108	45-145

Type: MSD Lab ID: QC801336

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	50.00	22.51	44	15-120	10	41
Arsenic	50.00	54.85	106	69-120	4	35
Barium	50.00	67.03	114	35-154	7	36
Beryllium	50.00	58.20	116	75-120	4	20
Cadmium	50.00	57.09	114	71-120	4	25
Chromium	50.00	63.31	113	57-133	5	33
Cobalt	50.00	56.88	109	56-125	7	36
Copper	50.00	57.79	110	54-144	4	38
Lead	50.00	58.37	110	53-125	5	42
Molybdenum	50.00	50.88	101	66-120	4	20
Nickel	50.00	56.82	107	44-141	4	39
Selenium	50.00	50.91	102	61-120	3	33
Silver	50.00	53.94	108	69-120	4	22
Thallium	50.00	55.58	111	59-120	4	27
Vanadium	50.00	74.15	118	52-144	3	29
Zinc	50.00	60.83	112	45-145	4	39

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Dissolved California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Field ID:	METALS BACKGROUND (A)	Units:	ug/L
Lab ID:	269073-001	Sampled:	08/17/15
Matrix:	Filtrate	Received:	08/17/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	10	1.000	226572	08/27/15	08/28/15	EPA 6010B
Arsenic	8.3	5.0	1.000	226572	08/27/15	08/28/15	EPA 6010B
Barium	21	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Beryllium	ND	2.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Cadmium	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Chromium	31	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Cobalt	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Copper	11	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Lead	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Mercury	ND	0.20	1.000	226352	08/21/15	08/21/15	EPA 7470A
Molybdenum	19	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Nickel	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Selenium	ND	10	1.000	226572	08/27/15	08/28/15	EPA 6010B
Silver	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Thallium	ND	1.0	10.00	226572	08/27/15	09/01/15	EPA 6020
Vanadium	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Zinc	ND	20	1.000	226572	08/27/15	08/27/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Field ID:	METALS CLEANING 1' (A)	Units:	ug/L
Lab ID:	269073-003	Sampled:	08/17/15
Matrix:	Filtrate	Received:	08/17/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	10	1.000	226572	08/27/15	08/28/15	EPA 6010B
Arsenic	10	5.0	1.000	226572	08/27/15	08/28/15	EPA 6010B
Barium	18	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Beryllium	ND	2.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Cadmium	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Chromium	32	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Cobalt	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Copper	11	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Lead	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Mercury	ND	0.20	1.000	226352	08/21/15	08/21/15	EPA 7470A
Molybdenum	19	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Nickel	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Selenium	ND	10	1.000	226572	08/27/15	08/27/15	EPA 6010B
Silver	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Thallium	ND	1.0	10.00	226572	08/27/15	09/01/15	EPA 6020
Vanadium	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Zinc	ND	20	1.000	226572	08/27/15	08/27/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Field ID:	METALS CLEANING 10' (A)	Units:	ug/L
Lab ID:	269073-004	Sampled:	08/17/15
Matrix:	Filtrate	Received:	08/17/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	10	1.000	226572	08/27/15	08/28/15	EPA 6010B
Arsenic	6.8	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Barium	16	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Beryllium	ND	2.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Cadmium	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Chromium	31	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Cobalt	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Copper	12	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Lead	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Mercury	ND	0.20	1.000	226352	08/21/15	08/21/15	EPA 7470A
Molybdenum	19	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Nickel	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Selenium	ND	10	1.000	226572	08/27/15	08/27/15	EPA 6010B
Silver	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Thallium	ND	1.0	10.00	226572	08/27/15	09/01/15	EPA 6020
Vanadium	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Zinc	ND	20	1.000	226572	08/27/15	08/27/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Field ID:	METALS CLEANING 30' (A)	Units:	ug/L
Lab ID:	269073-005	Sampled:	08/17/15
Matrix:	Filtrate	Received:	08/17/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	100	10.00	226572	08/27/15	09/02/15	EPA 6010B
Arsenic	7.8	5.0	1.000	226572	08/27/15	08/28/15	EPA 6010B
Barium	16	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Beryllium	ND	2.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Cadmium	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Chromium	31	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Cobalt	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Copper	7.9	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Lead	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Mercury	ND	0.20	1.000	226352	08/21/15	08/21/15	EPA 7470A
Molybdenum	19	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Nickel	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Selenium	ND	10	1.000	226572	08/27/15	08/28/15	EPA 6010B
Silver	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Thallium	ND	1.0	10.00	226572	08/27/15	09/01/15	EPA 6020
Vanadium	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Zinc	ND	20	1.000	226572	08/27/15	08/27/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Field ID:	METALS BACKGROUND (B)	Units:	ug/L
Lab ID:	269073-006	Sampled:	08/17/15
Matrix:	Filtrate	Received:	08/17/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	100	10.00	226572	08/27/15	09/02/15	EPA 6010B
Arsenic	11	5.0	1.000	226572	08/27/15	08/28/15	EPA 6010B
Barium	16	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Beryllium	ND	2.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Cadmium	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Chromium	30	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Cobalt	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Copper	6.7	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Lead	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Mercury	ND	0.20	1.000	226352	08/21/15	08/21/15	EPA 7470A
Molybdenum	18	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Nickel	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Selenium	ND	10	1.000	226572	08/27/15	08/27/15	EPA 6010B
Silver	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Thallium	ND	1.0	10.00	226572	08/27/15	09/01/15	EPA 6020
Vanadium	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Zinc	ND	20	1.000	226572	08/27/15	08/27/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Field ID:	METAL CLEANING 1' (B)	Units:	ug/L
Lab ID:	269073-008	Sampled:	08/17/15
Matrix:	Filtrate	Received:	08/17/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	100	10.00	226572	08/27/15	09/02/15	EPA 6010B
Arsenic	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Barium	15	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Beryllium	ND	2.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Cadmium	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Chromium	30	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Cobalt	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Copper	21	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Lead	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Mercury	ND	0.20	1.000	226352	08/21/15	08/21/15	EPA 7470A
Molybdenum	17	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Nickel	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Selenium	ND	10	1.000	226572	08/27/15	08/27/15	EPA 6010B
Silver	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Thallium	ND	1.0	10.00	226572	08/27/15	09/01/15	EPA 6020
Vanadium	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Zinc	27	20	1.000	226572	08/27/15	08/27/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Field ID:	METAL CLEANING 10' (B)	Units:	ug/L
Lab ID:	269073-009	Sampled:	08/17/15
Matrix:	Filtrate	Received:	08/17/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	100	10.00	226572	08/27/15	09/02/15	EPA 6010B
Arsenic	8.9	5.0	1.000	226572	08/27/15	08/28/15	EPA 6010B
Barium	16	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Beryllium	ND	2.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Cadmium	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Chromium	31	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Cobalt	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Copper	8.8	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Lead	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Mercury	ND	0.20	1.000	226352	08/21/15	08/21/15	EPA 7470A
Molybdenum	18	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Nickel	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Selenium	ND	10	1.000	226572	08/27/15	08/27/15	EPA 6010B
Silver	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Thallium	ND	1.0	10.00	226572	08/27/15	09/01/15	EPA 6020
Vanadium	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Zinc	ND	20	1.000	226572	08/27/15	08/27/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Dissolved California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Field ID:	METAL CLEANING 30' (B)	Units:	ug/L
Lab ID:	269073-010	Sampled:	08/17/15
Matrix:	Filtrate	Received:	08/17/15

Analyte	Result	RL	Diln Fac	Batch#	Prepared	Analyzed	Analysis
Antimony	ND	100	10.00	226572	08/27/15	09/03/15	EPA 6010B
Arsenic	9.1	5.0	1.000	226572	08/27/15	08/28/15	EPA 6010B
Barium	16	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Beryllium	ND	2.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Cadmium	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Chromium	32	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Cobalt	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Copper	7.0	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Lead	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Mercury	ND	0.20	1.000	226352	08/21/15	08/21/15	EPA 7470A
Molybdenum	18	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Nickel	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Selenium	ND	10	1.000	226572	08/27/15	08/28/15	EPA 6010B
Silver	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Thallium	ND	1.0	10.00	226572	08/27/15	09/01/15	EPA 6020
Vanadium	ND	5.0	1.000	226572	08/27/15	08/27/15	EPA 6010B
Zinc	ND	20	1.000	226572	08/27/15	08/27/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	226352
Lab ID:	QC800390	Prepared:	08/21/15
Matrix:	Filtrate	Analyzed:	08/21/15
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	226352
Lab ID:	QC800391	Prepared:	08/21/15
Matrix:	Filtrate	Analyzed:	08/21/15
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	226352
Matrix:	Water	Prepared:	08/21/15
Units:	ug/L	Analyzed:	08/21/15
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC800392	2.500	2.784	111	80-120		
BSD	QC800393	2.500	2.664	107	80-120	4	24

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	226352
Field ID:	ZZZZZZZZZZ	Sampled:	08/19/15
MSS Lab ID:	269168-004	Received:	08/19/15
Matrix:	Filtrate	Prepared:	08/21/15
Units:	ug/L	Analyzed:	08/21/15
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC800394	0.03972	2.500	2.853	113	60-130		
MSD	QC800395		2.500	2.836	112	60-130	1	34

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Type:	BLANK	Units:	ug/L
Lab ID:	QC801267	Batch#:	226572
Matrix:	Filtrate	Prepared:	08/27/15

Analyte	Result	RL	Diln Fac	Analyzed	Analysis
Antimony	ND	10	1.000	08/27/15	EPA 6010B
Arsenic	ND	5.0	1.000	08/27/15	EPA 6010B
Barium	ND	5.0	1.000	08/27/15	EPA 6010B
Beryllium	ND	2.0	1.000	08/27/15	EPA 6010B
Cadmium	ND	5.0	1.000	08/27/15	EPA 6010B
Chromium	ND	5.0	1.000	08/27/15	EPA 6010B
Cobalt	ND	5.0	1.000	08/27/15	EPA 6010B
Copper	ND	5.0	1.000	08/27/15	EPA 6010B
Lead	ND	5.0	1.000	08/27/15	EPA 6010B
Molybdenum	ND	5.0	1.000	08/27/15	EPA 6010B
Nickel	ND	5.0	1.000	08/27/15	EPA 6010B
Selenium	ND	10	1.000	08/27/15	EPA 6010B
Silver	ND	5.0	1.000	08/27/15	EPA 6010B
Thallium	ND	1.0	10.00	09/01/15	EPA 6020
Vanadium	ND	5.0	1.000	08/27/15	EPA 6010B
Zinc	ND	20	1.000	08/27/15	EPA 6010B

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD		
Matrix:	Filtrate	Batch#:	226572
Units:	ug/L	Prepared:	08/27/15

Type: BS Lab ID: QC801268

Analyte	Spiked	Result	%REC	Limits	Dil'n Fac	Analyzed	Analysis
Antimony	100.0	94.90	95	79-120	1.000	08/27/15	EPA 6010B
Arsenic	100.0	96.27	96	80-120	1.000	08/27/15	EPA 6010B
Barium	100.0	99.89	100	80-120	1.000	08/27/15	EPA 6010B
Beryllium	100.0	103.1	103	80-120	1.000	08/27/15	EPA 6010B
Cadmium	100.0	100.3	100	80-120	1.000	08/27/15	EPA 6010B
Chromium	100.0	104.8	105	80-120	1.000	08/27/15	EPA 6010B
Cobalt	100.0	97.58	98	80-120	1.000	08/27/15	EPA 6010B
Copper	100.0	95.47	95	80-120	1.000	08/27/15	EPA 6010B
Lead	100.0	96.35	96	80-120	1.000	08/27/15	EPA 6010B
Molybdenum	100.0	100.0	100	80-120	1.000	08/27/15	EPA 6010B
Nickel	100.0	97.39	97	80-120	1.000	08/27/15	EPA 6010B
Selenium	100.0	95.64	96	80-120	1.000	08/27/15	EPA 6010B
Silver	100.0	97.41	97	77-120	1.000	08/27/15	EPA 6010B
Thallium	50.00	55.25	111	80-120	5.000	09/01/15	EPA 6020
Vanadium	100.0	101.1	101	80-120	1.000	08/27/15	EPA 6010B
Zinc	100.0	99.88	100	80-120	1.000	08/27/15	EPA 6010B

Type: BSD Lab ID: QC801269

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Dil'n Fac	Analyzed	Analysis
Antimony	100.0	98.61	99	79-120	4	20	1.000	08/27/15	EPA 6010B
Arsenic	100.0	100.9	101	80-120	5	20	1.000	08/27/15	EPA 6010B
Barium	100.0	105.9	106	80-120	6	20	1.000	08/27/15	EPA 6010B
Beryllium	100.0	109.4	109	80-120	6	20	1.000	08/27/15	EPA 6010B
Cadmium	100.0	104.4	104	80-120	4	20	1.000	08/27/15	EPA 6010B
Chromium	100.0	107.0	107	80-120	2	20	1.000	08/27/15	EPA 6010B
Cobalt	100.0	100.5	100	80-120	3	20	1.000	08/27/15	EPA 6010B
Copper	100.0	102.7	103	80-120	7	20	1.000	08/27/15	EPA 6010B
Lead	100.0	100.1	100	80-120	4	20	1.000	08/27/15	EPA 6010B
Molybdenum	100.0	104.3	104	80-120	4	20	1.000	08/27/15	EPA 6010B
Nickel	100.0	101.4	101	80-120	4	20	1.000	08/27/15	EPA 6010B
Selenium	100.0	102.5	102	80-120	7	20	1.000	08/27/15	EPA 6010B
Silver	100.0	105.2	105	77-120	8	20	1.000	08/27/15	EPA 6010B
Thallium	50.00	54.75	110	80-120	1	20	5.000	09/01/15	EPA 6020
Vanadium	100.0	106.5	106	80-120	5	20	1.000	08/27/15	EPA 6010B
Zinc	100.0	104.0	104	80-120	4	20	1.000	08/27/15	EPA 6010B

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Dissolved California Title 22 Metals

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	226572
MSS Lab ID:	269245-002	Sampled:	08/20/15
Matrix:	Filtrate	Received:	08/21/15
Units:	ug/L	Prepared:	08/27/15
Diln Fac:	1.000	Analyzed:	08/27/15

Type: MS Lab ID: QC801270

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	<2.000	100.0	97.48	97	74-120
Arsenic	<1.657	100.0	105.1	105	80-127
Barium	39.78	100.0	140.7	101	80-120
Beryllium	<0.4000	100.0	107.7	108	80-120
Cadmium	<1.000	100.0	103.0	103	80-120
Chromium	<1.000	100.0	103.8	104	80-120
Cobalt	<1.000	100.0	99.77	100	80-120
Copper	8.609	100.0	107.9	99	80-120
Lead	<1.000	100.0	99.37	99	67-120
Molybdenum	<1.000	100.0	103.6	104	80-120
Nickel	2.997	100.0	99.13	96	80-120
Selenium	<3.146	100.0	115.8	116	73-132
Silver	<1.000	100.0	103.1	103	67-120
Thallium		NA			
Vanadium	3.710	100.0	109.7	106	80-120
Zinc	10.03	100.0	112.3	102	80-122

Type: MSD Lab ID: QC801271

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	95.87	96	74-120	2	24
Arsenic	100.0	105.0	105	80-127	0	25
Barium	100.0	140.7	101	80-120	0	20
Beryllium	100.0	106.6	107	80-120	1	20
Cadmium	100.0	102.5	102	80-120	1	20
Chromium	100.0	103.1	103	80-120	1	20
Cobalt	100.0	98.98	99	80-120	1	20
Copper	100.0	106.4	98	80-120	1	20
Lead	100.0	98.79	99	67-120	1	23
Molybdenum	100.0	103.0	103	80-120	1	20
Nickel	100.0	98.40	95	80-120	1	20
Selenium	100.0	119.8	120	73-132	3	30
Silver	100.0	101.1	101	67-120	2	22
Thallium		NA				
Vanadium	100.0	107.9	104	80-120	2	20
Zinc	100.0	111.9	102	80-122	0	20

NA= Not Analyzed
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

pH

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 9040C
Analyte:	pH	Batch#:	226196
Matrix:	Water	Received:	08/17/15
Units:	SU	Analyzed:	08/17/15 17:48
Diln Fac:	1.000		

Field ID	Lab ID	Result	RL	Sampled
METALS BACKGROUND (A)	269073-001	7.8	1.0	08/17/15 13:15
METALS CLEANING 1' (A)	269073-003	8.0	1.0	08/17/15 14:40
METALS CLEANING 10' (A)	269073-004	8.0	1.0	08/17/15 14:50
METALS CLEANING 30' (A)	269073-005	8.0	1.0	08/17/15 15:00
METALS BACKGROUND (B)	269073-006	8.0	1.0	08/17/15 13:15
METAL CLEANING 1' (B)	269073-008	8.1	1.0	08/17/15 14:10
METAL CLEANING 10' (B)	269073-009	8.1	1.0	08/17/15 14:50
METAL CLEANING 30' (B)	269073-010	8.0	1.0	08/17/15 15:00

RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

pH			
Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 9040C
Analyte:	pH	Units:	SU
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
Type:	SDUP	Batch#:	226196
MSS Lab ID:	269061-001	Sampled:	08/17/15 13:15
Lab ID:	QC799780	Received:	08/17/15
Matrix:	Water	Analyzed:	08/17/15 16:05

MSS Result	Result	RL	RPD	Lim
9.340	9.420	1.000	1	20

RL= Reporting Limit
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

pH

Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 9045D
Analyte:	pH	Sampled:	08/17/15 13:30
Matrix:	Miscell.	Received:	08/17/15
Units:	SU	Prepared:	08/26/15 11:18
Diln Fac:	1.000	Analyzed:	08/26/15 14:41
Batch#:	226466		

Field ID	Lab ID	Result	RL
BIO SPECIMAN PULL (A)	269073-002	6.6	1.0
BIO SPECIMEN PULL (B)	269073-007	7.0	1.0

RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

pH			
Lab #:	269073	Location:	Cavidyne / Cape Orlando
Client:	CAVIDYNE LLC	Prep:	METHOD
Project#:	STANDARD	Analysis:	EPA 9045D
Analyte:	pH	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	226466
Type:	SDUP	Sampled:	08/19/15 10:00
MSS Lab ID:	269171-001	Received:	08/19/15
Lab ID:	QC800872	Prepared:	08/25/15 12:13
Matrix:	Soil	Analyzed:	08/25/15 14:59
Units:	SU		

MSS Result	Result	RL	RPD	Lim
7.410	7.600	1.000	3	20

RL= Reporting Limit
RPD= Relative Percent Difference