



February 2, 2015

Mr. Ross Steenson
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, California 94612

Subject: Stormwater Discharge Exceedance Report (November 20, 2014), Suisun Bay Reserve Fleet, Benicia, California

Dear Mr. Steenson:

On behalf of the United States Department of Transportation Maritime Administration (MARAD), Sustainable Group - Terraphase JV, LLC (SGTJV) has prepared this Exceedance Report for the Suisun Bay Reserve Fleet (SBRF) located in Benicia, California. This letter report was prepared in accordance with the requirements of the SBRF Stormwater Pollution Prevention Plan (SWPPP) dated March 30, 2012 and the State Water Resources Control Board Water Quality Order No. 97-03-DWQ National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000001 (General Permit) Waste Discharge Requirements for Discharges of Storm Water Associated with Industrial Activities Excluding Construction Activities ("Industrial Stormwater General Permit").

This report summarizes the analytical results from the second storm event (November 20, 2014) of the 2014 – 2015 reporting period that exceeded the target concentrations identified in the SWPPP, which were developed previously by the San Francisco Regional Water Quality Control Board (RWQCB) and MARAD. Final analytical results were received on November 24, 2014. This report includes the following:

- Summary of the sampling event on November 20, 2014;
- The analytical results from the sampling event on November 20, 2014 for total petroleum hydrocarbons (TPH) as motor oil (TPHmo) that exceeded their target concentrations;
- The historical analytical data for the vessels including the constituents that exceeded the target concentrations;
- The best management practices (BMPs) implemented prior to the November 20, 2014 sampling event and an evaluation of the effectiveness of the BMPs for reducing runoff concentrations for pollutants of concern; and
- Follow-up activities to address the exceedances.

Sampling Event Summary

On November 20, 2014, trained MARAD SBRF sampling personnel collected stormwater runoff samples from eight sampling locations – the five remaining non-retention vessels, the parking lot, and two samples from the Green Mountain State retention vessel. MARAD SBRF personnel collected stormwater samples from the vessels' scupper drains after the runoff was routed through the structural treatment measures. The structural treatment measures consisted of metal filter screens, walnut wattles, cocoa mats, perlite wattles, and newly implemented scupper inserts as described in the Best Management Practices section.

MARAD SBRF personnel wore disposable, powder-free gloves and changed them at each sampling location. Stormwater runoff was collected into clean five-gallon plastic buckets and then transferred into the appropriate sample containers for analysis. Samples were transported to the analytical laboratory on the day after they were collected due to the late sample collection time on November 20, 2014.

The samples were analyzed for the following constituents at a certified analytical laboratory, in accordance with the requirements of the SWPPP:

- pH;
- Specific conductivity;
- Total suspended solids (TSS);
- Total oil and grease;
- Low-level mercury;
- TPHd and TPHmo; and
- CAM 17 metals, total concentrations.

There were no quality assurance/quality control issues noted by the laboratory that would affect the quality of the data or how the data may be used to make decisions.

Precipitation was recorded at 0.08 inches on November 19th, however it was not enough for sufficient sample sizes. Before the 19th, there was not any rainfall for at least 72 hours. The total rainfall on November 20th was reported to be 0.51 inches¹. On November 20, 2014 MARAD SBRF personnel collected the first sample at 1330 and the last sample was collected at 1410. The grab samples from the vessels were collected during the first three hours of the storm event (first flush samples were collected) in accordance with the procedure documented in the SWPPP.

Exceedances Summary

The only constituent detected above the respective target concentration in one or more sampling locations was TPHmo. The eight sampling locations, constituents detected above target concentration, the respective analytical results in micrograms per liter ($\mu\text{g/L}$), and target concentrations are presented in the table below. The results which exceed the applicable target concentrations are highlighted.

¹ The weather station in Benicia, California listed on www.wunderground.com was used to determine the rainfall amount (<http://www.wunderground.com/personal-weather-station/dashboard?ID=KCABENIC8>).

Analytical Results – November 20, 2014

Sample Location	Copper (ug/L)	Lead (ug/L)	Nickel (ug/L)	Zinc (ug/L)	TPHd (ug/L)	TPHmo (ug/L)
Cape Blanco	37	8.7	<5.0	820	470	670
Cape Borda	78	19	<5.0	1,000	450	460
Cape Breton	66	8.2	<5.0	1,500	680	730
Comet	20	5.9	<5.0	1,200	700	930
Green Mountain State – Clean	40	<5.0	<5.0	52	140	<300
Green Mountain State – Dirty	<5.0	<5.0	<5.0	2,800	80	<300
Meteor	23	<5.0	<5.0	1,600	420	420
Parking Lot	13	<5.0	<5.0	120	740	1,200
Target Levels	210	290	31	3,500	1,000	540

Notes and Abbreviations:

Results are presented in micrograms per liter (µg/L).
 Results which exceed the applicable target concentrations are highlighted.
 TPHd = total petroleum hydrocarbons, diesel
 TPHmo = total petroleum hydrocarbons, motor oil

The TPHmo results from the *Cape Blanco* (670 µg/L), the *Cape Breton* (730 µg/L), the *Comet* (930 µg/L), and the parking lot (1,200 µg/L) represent exceedances of the TPHmo target concentration (540 µg/L). The exceedances of the TPHmo on the vessels may be from leaking hydraulic oil sources on the vessels, including the winches or cranes. After each rain event MARAD SBRF personnel inspect the vessels, sources, and stormwater to search for leaking equipment in order to secure the leak, drain the oil if the system is not needed again, or place oil-adsorbent mats and/or booms around the source. Any leaking sources are noted in the Corrective Action Log to ensure follow-up on these issues from identification through verification and closure.

Among the November 20, 2014 results, there were no exceedances of the copper, lead, nickel, zinc, or TPHd target concentrations.

Historical Data

The November 20, 2014 concentration of TPHmo (1,200 µg/L) in the sample collected from the parking lot was above the target level (540 µg/L) and above the concentration from the sample collected October 31, 2014 (1,100 µg/L).

The TPHmo concentration in samples collected from the *Cape Blanco* increased from 480 µg/L to 670 µg/L relative to October 31, 2014. Relative to the October 31, 2014 TPHmo concentration, the *Cape Breton* result increased from 530 µg/L to 730 µg/L. The TPHmo concentration for the *Comet* increased from 910 µg/L in October 2014 to 930 µg/L in November 2014. TPHmo concentrations in samples from the *Cape Borda*, the *Meteor*, and the *Green Mountain State* in November of 2014 were all below the contaminant target level. TPHd concentrations in all eight samples collected in November of 2014 were below the contaminant target level of 1,000 µg/L.

Historical concentrations of stormwater sample data for the vessels sampled on November 20, 2014 are displayed in the table below.

Historical Analytical Stormwater Data

Vessel Name	Cape Blanco		Cape Borda		Cape Breton		Comet		Green Mt. State		Meteor		
	TPHd	TPHmo	TPHd	TPHmo	TPHd	TPHmo	TPHd	TPHmo	TPHd	TPHmo	TPHd	TPHmo	
Criteria	1,000	540	1,000	540	1,000	540	1,000	540	1,000	540	1,000	540	
Sample Date	12/14/2010	--	--	--	--	--	--	--	--	--	--	--	
	12/17/2010	--	--	--	--	--	1,900	1,300	--	--	--	--	
	2/17/2011	--	--	--	--	620	490	--	--	--	--	--	
	3/23/2011	220	--	200	--	--	--	--	<50	--	410	--	
	1/23/2012	--	--	--	--	--	--	630	650	--	--	--	
	3/13/2012	770	580	1,100	1,100	990	740	--	--	1,400	880	1,100	730
	4/10/2012	--	--	--	--	--	--	510	330	--	--	--	--
	11/28/2012	--	--	--	--	--	--	--	--	--	--	--	--
	11/20/2013	1,500	1,000	--	--	--	--	1,600	1,400	--	--	1,900	2,200
	2/6/2014	710	580	1,900	790	550	580	1,400	1,500	--	--	630	580
	2/26/2014	1,100	570	750	470	580	620	1,200	700	--	--	1,500	1,000
	3/26/2014	570	500	--	--	510	540	840	830	--	--	840	780
	4/25/2014	1,200	840	--	--	860	520	1,800	1,100	77	<300	1,200	750
	10/31/2014	900	480	1,100	810	630	530	1,200	910	--	--	1,100	660
11/20/2014	470	670	450	460	680	730	700	930	140	<300	420	420	

Notes and Abbreviations:

Results are presented in micrograms per liter (µg/L)

Resulting concentrations over the target levels are in bold and highlighted in grey

TPHd = total petroleum hydrocarbons, diesel

TPHmo = total petroleum hydrocarbons, motor oil

Best Management Practices

During the stormwater monitoring over the last three years, control of particulates in stormwater on the vessels has been shown to reduce the concentrations of TSS and metals. Control of particulates that include exfoliated and exfoliating paint has included structural controls and procedural BMPs. The vessels' scupper drains are protected with structural controls including metal filter screens, cocoa mats, petroleum adsorbent mats, and walnut (for particulates) and perlite wattles (for petroleum hydrocarbons). The primary procedural BMP for particulates and exfoliated paint is regular sweeping. Additional BMPs include inspection and maintenance of the structural controls for particulate accumulation.

The vessels are part of the routine sweeping program and are dry swept in 90-day intervals, and the dates of cleaning are tracked (see table below).

Summary of Vessel Sweeping Activities

Sample Location	Date of Last Sweeping (Prior to Storm Event)	Date of Next Sweeping (Post Storm Event)
Cape Blanco	10/15/2014	1/13/2015
Cape Borda	10/7/2014	1/5/2015
Cape Breton	10/10/2014	1/8/2015
Comet	10/24/2014	1/22/2015
Meteor	10/29/2014	1/27/2015

To address TPHmo and oil and grease concerns on the vessels, MARAD SBRF has employed structural controls including perlite wattles at the scupper drains and petroleum sorbent booms and pads on and around any leaking hydraulic oil sources (i.e. winches or cranes). The BMPs that are procedural controls employed for TPHmo and oil and grease include the inspection program of the vessels to check for spills and leaks of oil and the observations, notations, and maintenance as part of the corrective action process. Issues identified during inspections or informal vessel work activities that cannot be immediately mitigated are documented in the corrective action log and addressed during follow-up activities.

Other procedural controls or practices for TPHmo and oil and grease concerns include either securing leaking equipment or draining the oil from unnecessary systems; MARAD SBRF has evaluated covering the sources, but many of these sources such as cranes and winches are overhead and part of a larger structure that is not practical to attempt to cover or enclose. An impediment to draining the oil is that all of the oil cannot readily be drained due to the configuration of the reservoir or viscosity of the oil.

To further reduce TPH concentrations in vessel stormwater runoff MARAD SBRF has installed scupper drain inserts containing a filtration media blend of activated carbon and zeolites on all non-retention vessels. TPHmo concentrations have noticeably reduced after the implementation of the filtration media.

Follow-Up Activities

MARAD SBRF personnel will continue with their vessel sweeping program to remove paint particulates from the decks of the vessels. In addition, the existing structural controls (wattle, cocoa mats, petroleum adsorbent mats, and perlite and walnut wattle) will be maintained and if necessary, new or additional wattle and mats will be installed. MARAD SBRF personnel will ensure that the structural controls are secure and stormwater runoff is not able to bypass them prior to entering the scupper drains.

Considering the exceedances of the TPH_{mo} concentrations in stormwater for the *Cape Blanco*, *Cape Breton*, and the *Comet*, MARAD SBRF personnel will inspect any oil sources to determine which additional or improved controls need to be employed. MARAD will continue to employ the controls and improvement identified above in the BMP section, and will evaluate all sources of oil on the decks and upper surfaces of the vessels, secure/seal any discovered leaks if originating from a drain/bolt, and place absorbent material around the source. MARAD will also consider other methods for addressing leaking equipment.

The stormwater treatment vault in the parking lot was inspected in April 2014. In June 2014 a new structural BMP was inserted into the treatment vault to filter and remove debris from parking lot stormwater runoff before the runoff reaches the filtration media. Follow-up with the stormwater treatment vault company may reveal additional steps to improving the treatment vault performance.

Additional stormwater samples will be collected, per the SWPPP, from the *Cape Blanco*, the *Cape Breton*, and the *Comet* during a qualified storm event following implementation of the above-mentioned follow-up activities and BMPs.

If you have questions regarding this report, please contact Andrea Brown by phone (707.499.7084) or email (andrea.brown@terraphase.com).

Sincerely,
For Sustainable Group – Terraphase JV, LLC



Andrea Brown, P.E. (C83327)
Project Engineer

Attachments:

Laboratory Analytical Report (November 20, 2014 Storm Event)



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 262748
ANALYTICAL REPORT

Suisun Bay Reserve Fleet
2595 Lake Herman Rd.
Benicia, CA 94510

Project : CLIN 0002
Location : Storm water
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
CAPE BRETON	262748-001
PARKING LOT	262748-002
CAPE BLANCO	262748-003
GREEN MTN STATE CLEAN	262748-004
GREEN MTN STATE DIRTY	262748-005
CAPE BORDA	262748-006
METEOR	262748-007
COMET	262748-008

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: _____

Date: 12/11/2014

Will S Rice
Project Manager
will.rice@ctberk.com

CA ELAP# 2896, NELAP# 4044-001

CASE NARRATIVE

Laboratory number: 262748
Client: Suisun Bay Reserve Fleet
Project: CLIN 0002
Location: Storm water
Request Date: 11/21/14
Samples Received: 11/21/14

This data package contains sample and QC results for eight water samples, requested for the above referenced project on 11/21/14. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015B):

No analytical problems were encountered.

Metals (EPA 6010B and EPA 7470A):

Low recoveries were observed for antimony in the MS/MSD for batch 217742; the parent sample was not a project sample, the BS/BSD were within limits, and the associated RPD was within limits. High recoveries were observed for many analytes; the BS/BSD were within limits, and the associated RPDs were within limits. No other analytical problems were encountered.

Conductivity (SM2510B):

No analytical problems were encountered.

Total Oil & Grease (HEM) (EPA 1664A):

Matrix spikes were not performed for this analysis due to insufficient sample volume. No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):

High RPD was observed for total suspended solids in the BS/BSD for batch 217910. No other analytical problems were encountered.

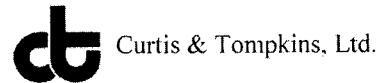
pH (EPA 9040C):

No analytical problems were encountered.

Low-level Mercury (EPA 1631):

Alpha Analytical Dublin in Dublin, CA performed the analysis (not NELAP certified). Please see the Alpha Analytical Dublin case narrative.

COOLER RECEIPT CHECKLIST



Login # 262748 Date Received 11/21/14 Number of coolers 3
 Client SBRF Project SWPPP water samples

Date Opened 11/21 By (print) MC (sign) [Signature]
 Date Logged in 11/21 By (print) [Signature] (sign) [Signature]

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) 3.6/2.5/2.0

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

Curtis & Tompkins Sample Preservation for 262748

Sample	pH: <2	>9	>12	Other
-001a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
b	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
c	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
d	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
e	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
f	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
-002a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
b	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
c	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
d	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
e	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
f	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
-003a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
b	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
c	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
d	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
e	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
f	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
-004a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
b	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
c	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
d	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
e	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
f	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Sample	pH: <2	>9	>12	Other
-005a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
b	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
c	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
d	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
e	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
f	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
-006a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
b	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
c	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
d	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
e	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
f	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
-007a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
b	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
c	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
d	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
e	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
f	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
-008a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
b	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
c	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
d	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
e	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
f	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Analyst: ML
 Date: 11/21/14

Detections Summary for 262748

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

Client : Suisun Bay Reserve Fleet
 Project : CLIN 0002
 Location : Storm water

Client Sample ID : CAPE BRETON Laboratory Sample ID : 262748-001

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	680		52	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Motor Oil C24-C36	730		310	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Barium	380		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Copper	66		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Lead	8.2		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Zinc	1,500		20	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Specific Conductance	44		1.0	umhos/cm	TOTAL	1.000	SM2510B	METHOD
pH	5.9		1.0	SU	TOTAL	1.000	EPA 9040C	METHOD
Total Suspended Solids	14		5	mg/L	TOTAL	1.000	SM2540D	METHOD

Client Sample ID : PARKING LOT Laboratory Sample ID : 262748-002

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	740		52	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Motor Oil C24-C36	1,200		310	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Barium	50		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Chromium	6.4		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Copper	13		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Selenium	19		10	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Vanadium	13		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Zinc	120		20	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Specific Conductance	4,120		1.0	umhos/cm	TOTAL	1.000	SM2510B	METHOD
pH	7.5		1.0	SU	TOTAL	1.000	EPA 9040C	METHOD
Total Suspended Solids	35		5	mg/L	TOTAL	1.000	SM2540D	METHOD

Client Sample ID : CAPE BLANCO Laboratory Sample ID : 262748-003

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	470		51	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Motor Oil C24-C36	670		310	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Barium	120		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Copper	37		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Lead	8.7		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Zinc	820		20	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Specific Conductance	29		1.0	umhos/cm	TOTAL	1.000	SM2510B	METHOD
pH	5.8		1.0	SU	TOTAL	1.000	EPA 9040C	METHOD
Total Suspended Solids	21		5	mg/L	TOTAL	1.000	SM2540D	METHOD

Client Sample ID : GREEN MTN STATE CLEAN Laboratory Sample ID : 262748-004

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	140		50	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Copper	40		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Zinc	52		20	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Specific Conductance	21		1.0	umhos/cm	TOTAL	1.000	SM2510B	METHOD
pH	4.3		1.0	SU	TOTAL	1.000	EPA 9040C	METHOD

Client Sample ID : GREEN MTN STATE DIRTY Laboratory Sample ID : 262748-005

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	80		50	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Zinc	2,800		20	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Specific Conductance	15		1.0	umhos/cm	TOTAL	1.000	SM2510B	METHOD
pH	5.7		1.0	SU	TOTAL	1.000	EPA 9040C	METHOD

Client Sample ID : CAPE BORDA Laboratory Sample ID : 262748-006

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	450		50	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Motor Oil C24-C36	460		300	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Barium	270		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Copper	78		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Lead	19		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Zinc	1,000		20	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Specific Conductance	20		1.0	umhos/cm	TOTAL	1.000	SM2510B	METHOD
pH	5.3		1.0	SU	TOTAL	1.000	EPA 9040C	METHOD
Total Suspended Solids	13		5	mg/L	TOTAL	1.000	SM2540D	METHOD

Client Sample ID : METEOR Laboratory Sample ID : 262748-007

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	420		50	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Motor Oil C24-C36	420		300	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Barium	960		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Copper	23		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Zinc	1,600		20	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Specific Conductance	29		1.0	umhos/cm	TOTAL	1.000	SM2510B	METHOD
pH	5.3		1.0	SU	TOTAL	1.000	EPA 9040C	METHOD
Total Suspended Solids	11		5	mg/L	TOTAL	1.000	SM2540D	METHOD

Client Sample ID : COMET

Laboratory Sample ID :

262748-008

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Diesel C10-C24	700		50	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Motor Oil C24-C36	930		300	ug/L	As Recd	1.000	EPA 8015B	EPA 3520C
Barium	290		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Copper	20		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Lead	5.9		5.0	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Zinc	1,200		20	ug/L	TOTAL	1.000	EPA 6010B	EPA 3010A
Specific Conductance	34		1.0	umhos/cm	TOTAL	1.000	SM2510B	METHOD
pH	5.3		1.0	SU	TOTAL	1.000	EPA 9040C	METHOD
Total Suspended Solids	8		5	mg/L	TOTAL	1.000	SM2540D	METHOD

Total Extractable Hydrocarbons			
Lab #:	262748	Location:	Storm water
Client:	Suisun Bay Reserve Fleet	Prep:	EPA 3520C
Project#:	CLIN 0002	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	11/20/14
Units:	ug/L	Received:	11/21/14
Diln Fac:	1.000	Prepared:	11/21/14
Batch#:	217743	Analyzed:	11/24/14

Field ID: CAPE BRETON Lab ID: 262748-001
 Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	680	52
Motor Oil C24-C36	730	310

Surrogate	%REC	Limits
o-Terphenyl	94	66-129

Field ID: PARKING LOT Lab ID: 262748-002
 Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	740	52
Motor Oil C24-C36	1,200	310

Surrogate	%REC	Limits
o-Terphenyl	96	66-129

Field ID: CAPE BLANCO Lab ID: 262748-003
 Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	470	51
Motor Oil C24-C36	670	310

Surrogate	%REC	Limits
o-Terphenyl	95	66-129

ND= Not Detected
 RL= Reporting Limit

Total Extractable Hydrocarbons			
Lab #:	262748	Location:	Storm water
Client:	Suisun Bay Reserve Fleet	Prep:	EPA 3520C
Project#:	CLIN 0002	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	11/20/14
Units:	ug/L	Received:	11/21/14
Diln Fac:	1.000	Prepared:	11/21/14
Batch#:	217743	Analyzed:	11/24/14

Field ID: GREEN MTN STATE CLEAN Lab ID: 262748-004
 Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	140	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	104	66-129

Field ID: GREEN MTN STATE DIRTY Lab ID: 262748-005
 Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	80	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	108	66-129

Field ID: CAPE BORDA Lab ID: 262748-006
 Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	450	50
Motor Oil C24-C36	460	300

Surrogate	%REC	Limits
o-Terphenyl	97	66-129

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	262748	Location:	Storm water
Client:	Suisun Bay Reserve Fleet	Prep:	EPA 3520C
Project#:	CLIN 0002	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	217743
Units:	ug/L	Prepared:	11/21/14
Diln Fac:	1.000	Analyzed:	11/24/14

Type: BS Lab ID: QC766866

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,080	83	61-120

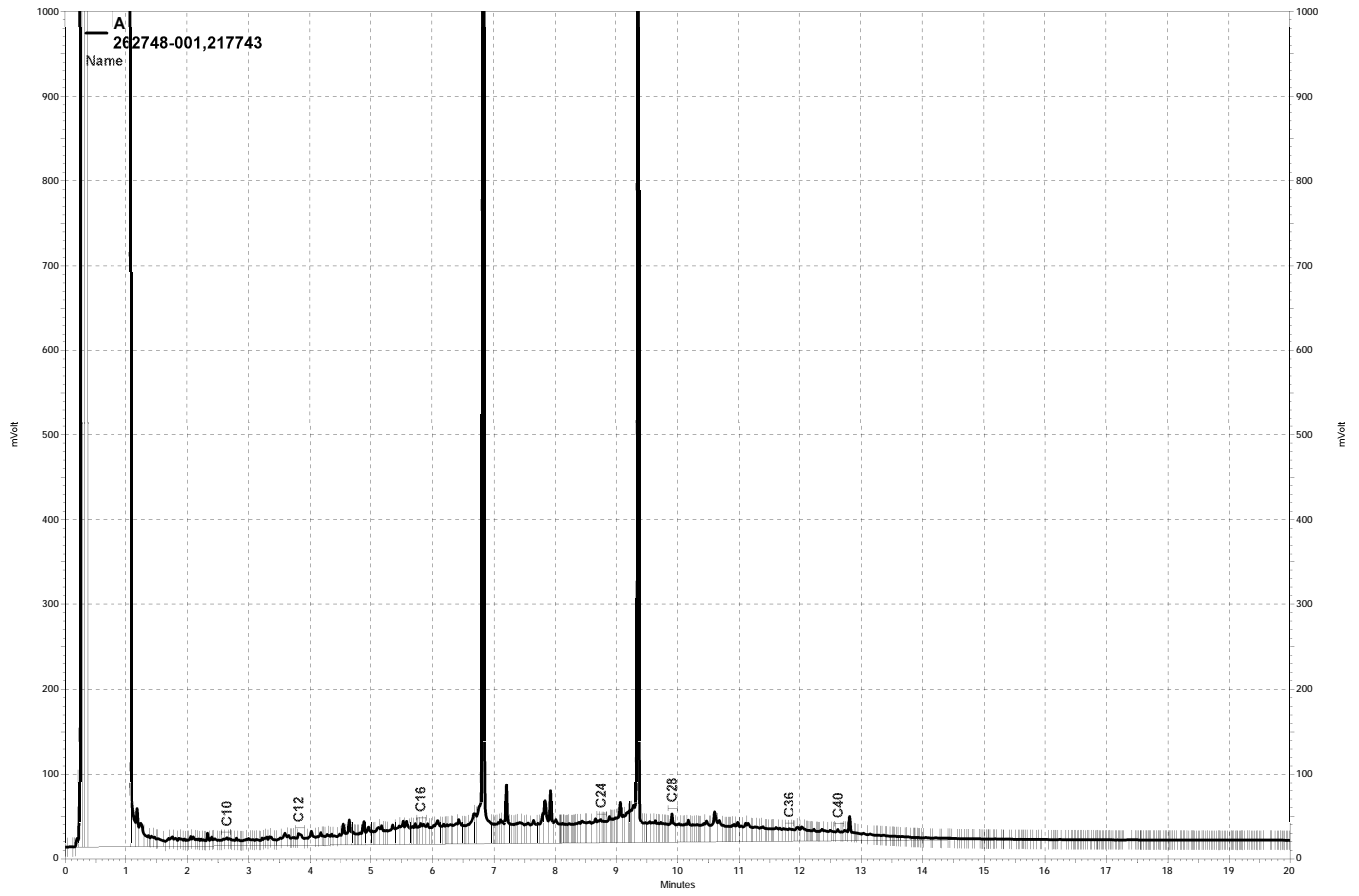
Surrogate	%REC	Limits
o-Terphenyl	101	66-129

Type: BSD Lab ID: QC766867

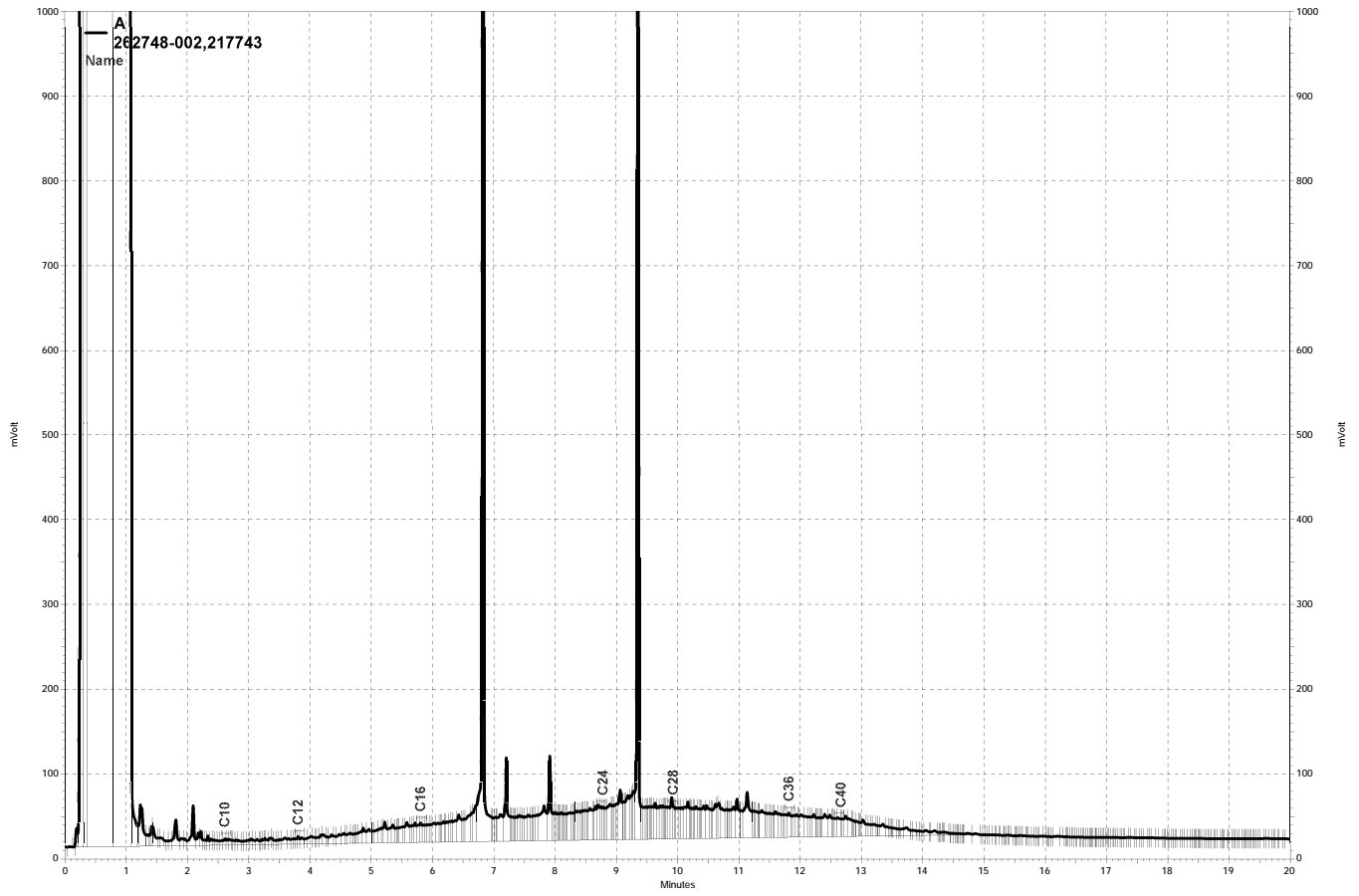
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Diesel C10-C24	2,500	2,159	86	61-120	4	45

Surrogate	%REC	Limits
o-Terphenyl	105	66-129

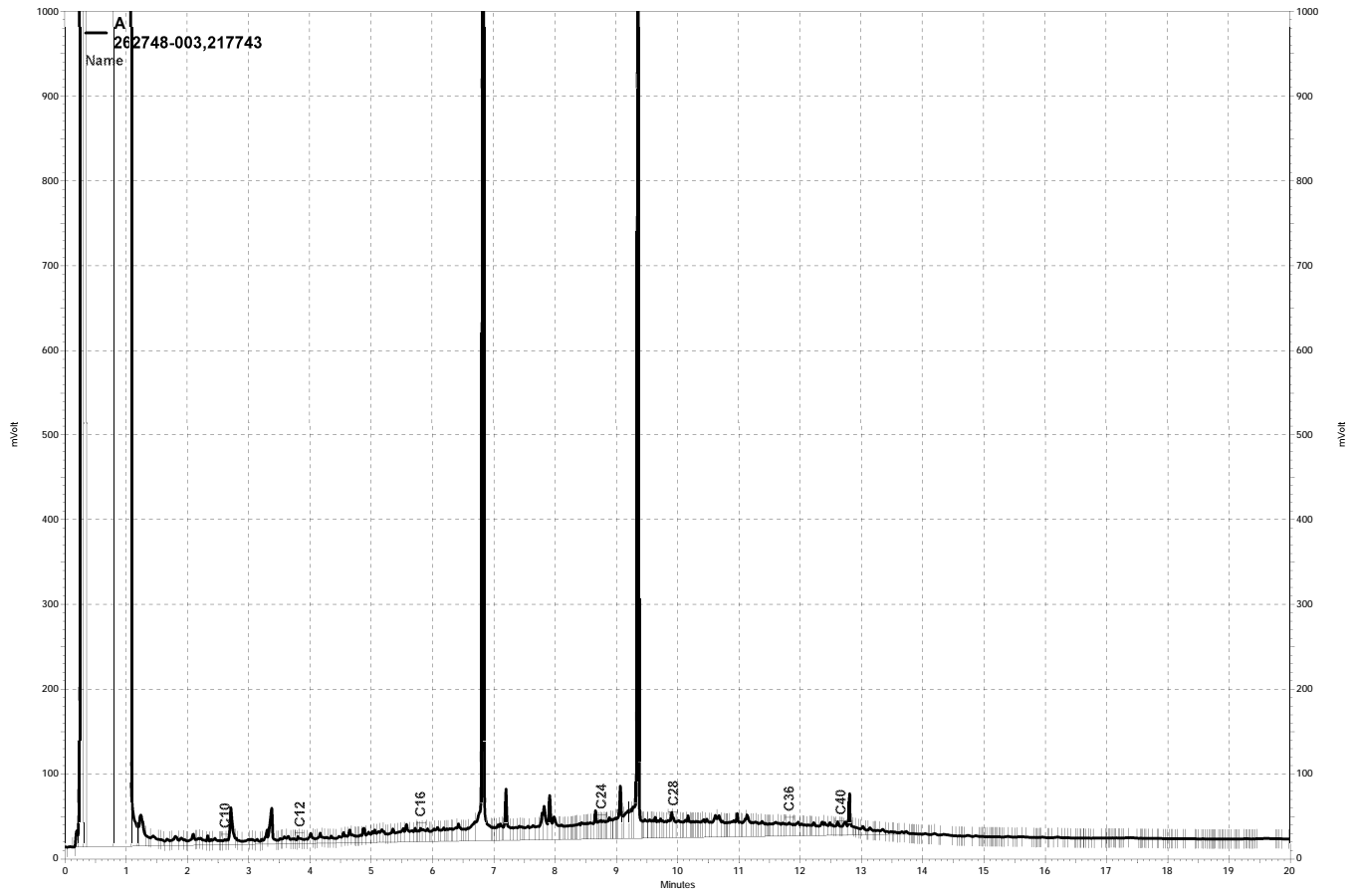
RPD= Relative Percent Difference



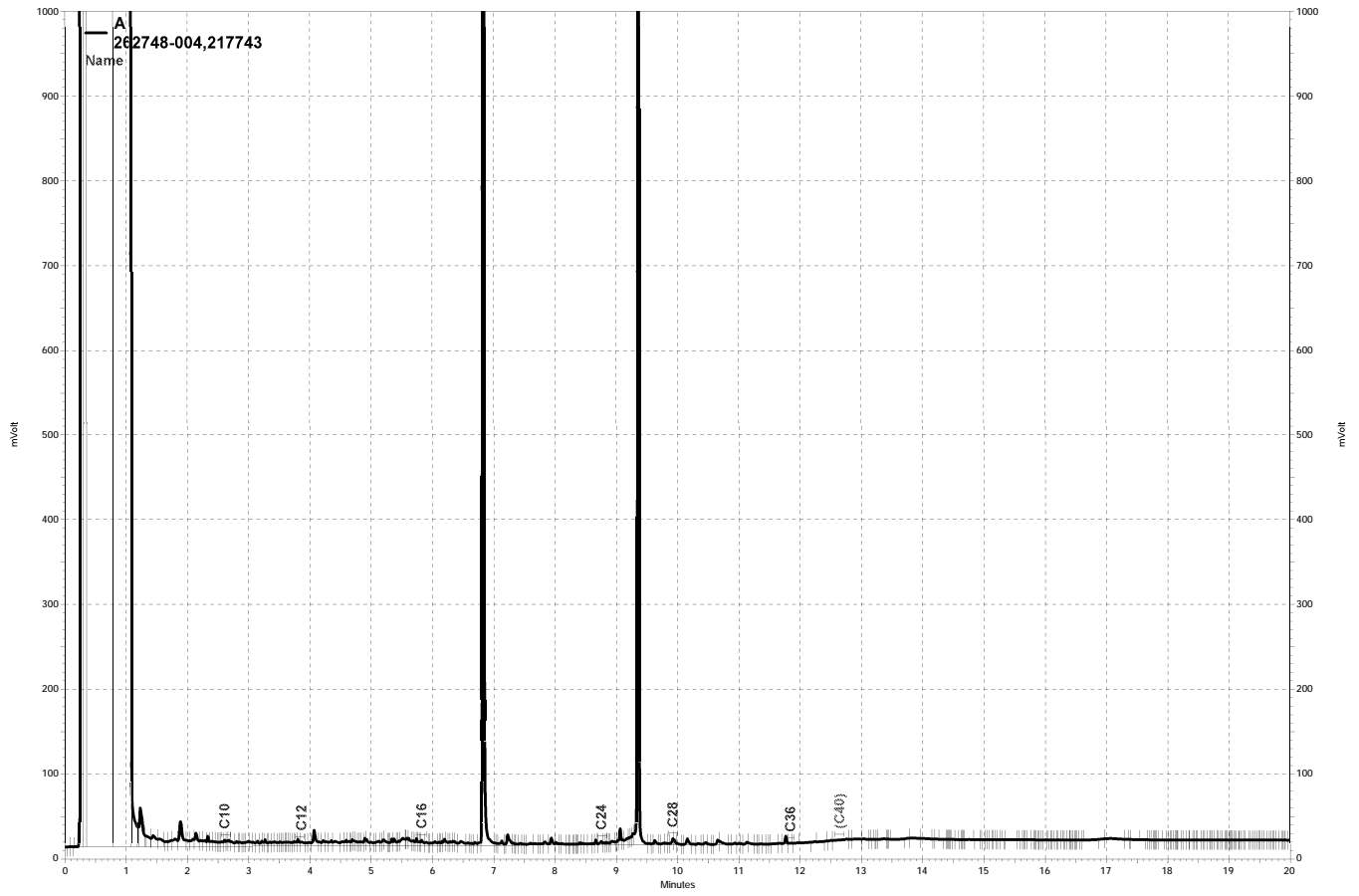
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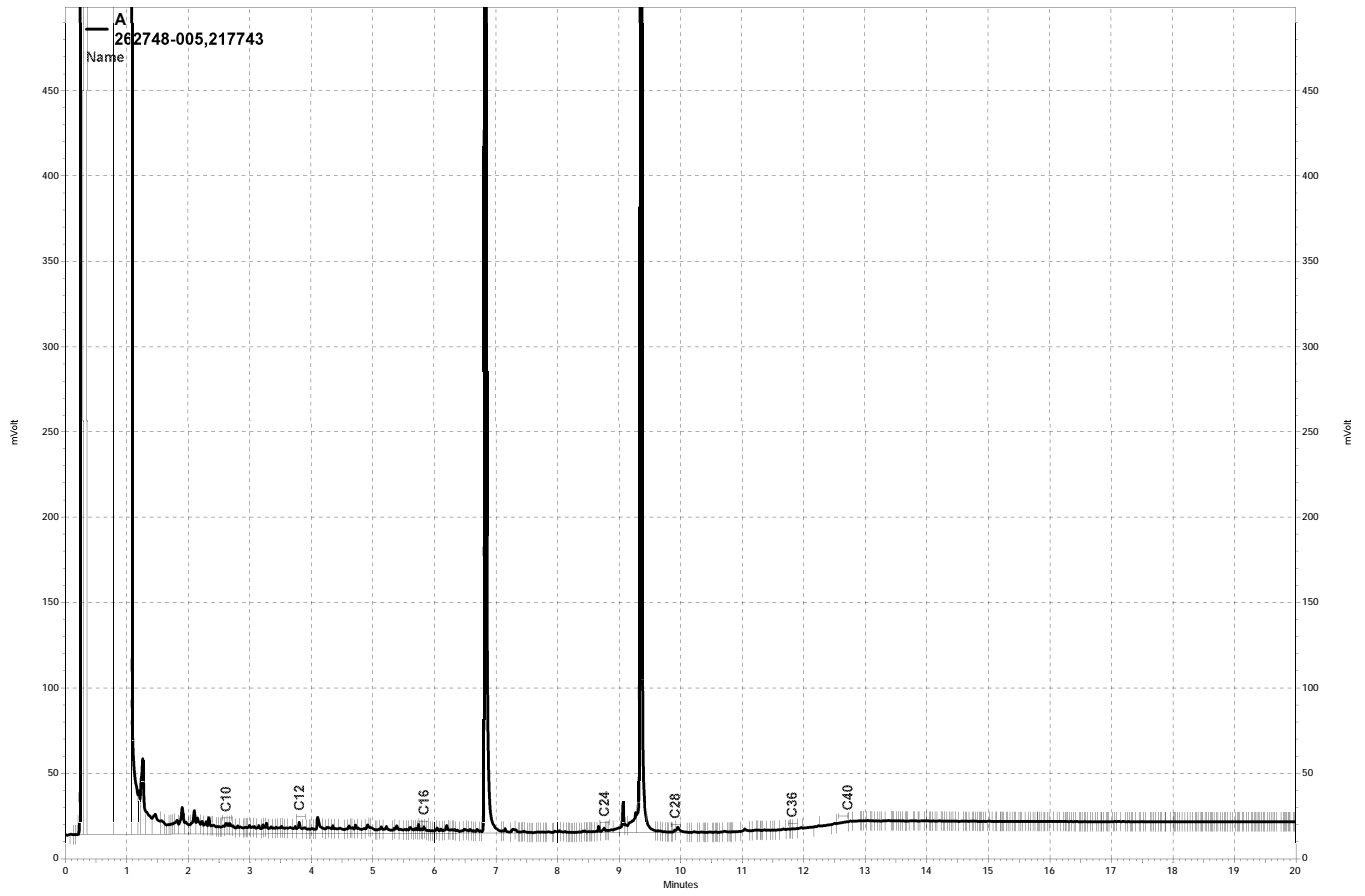
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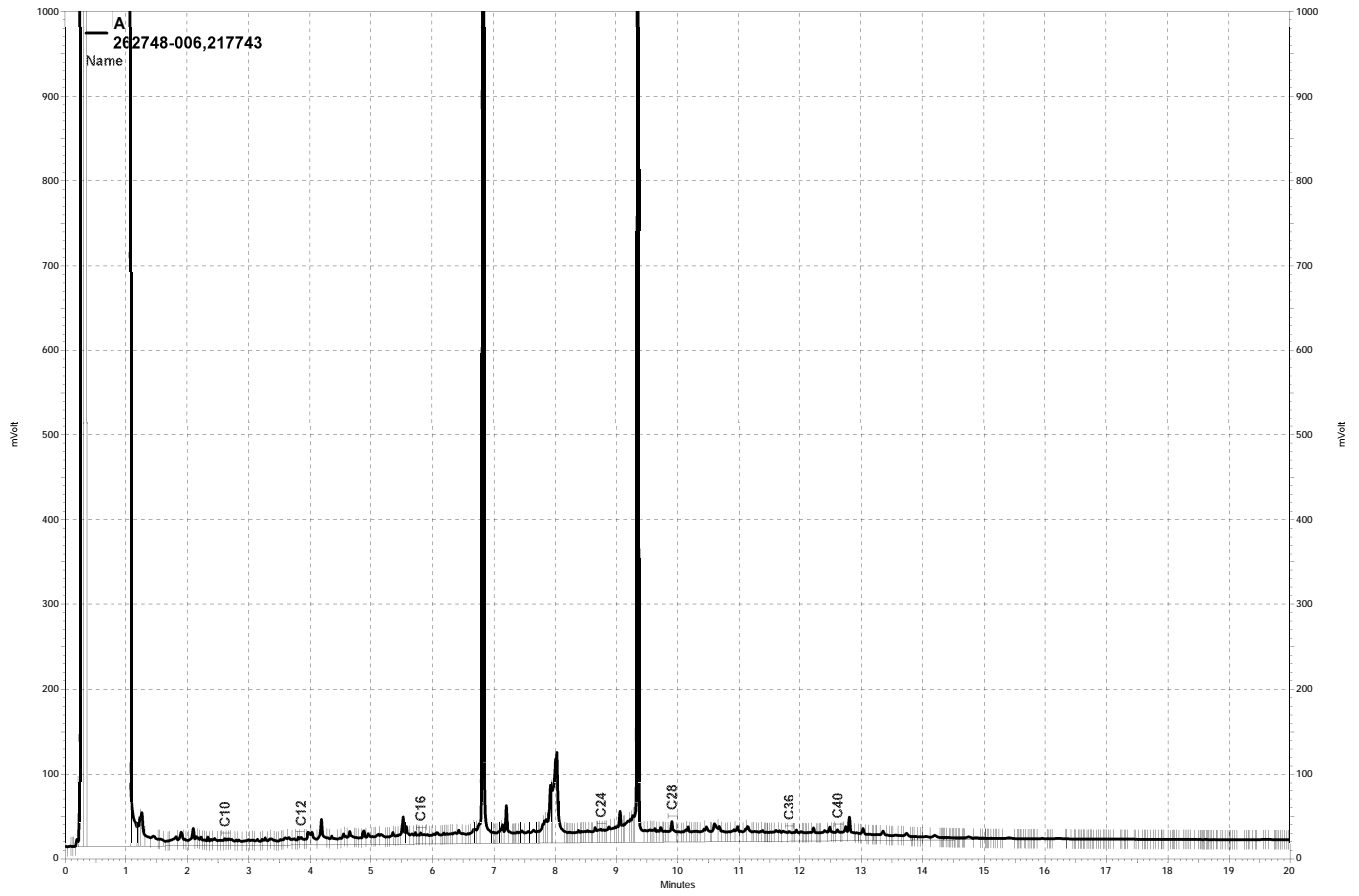
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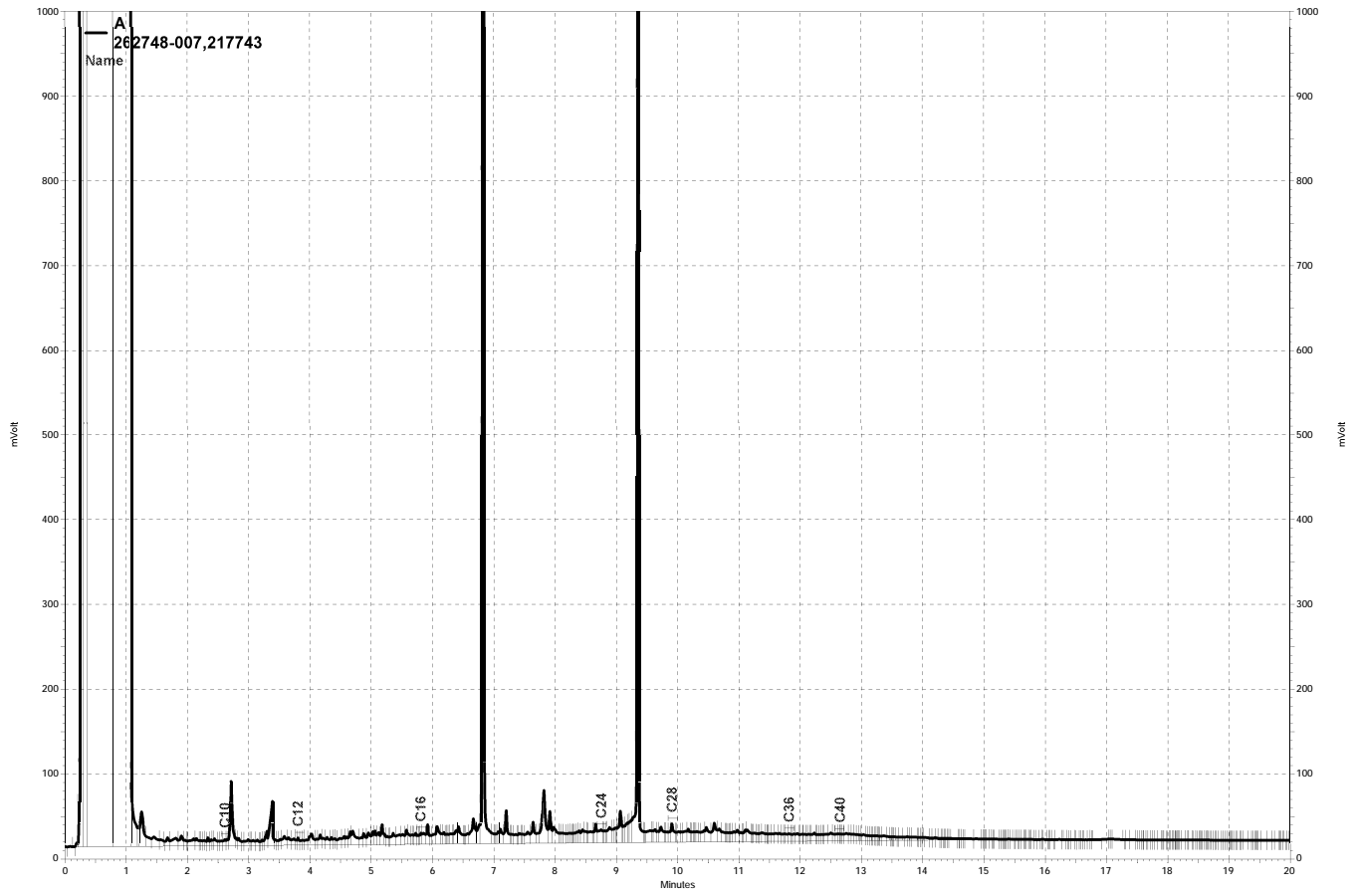
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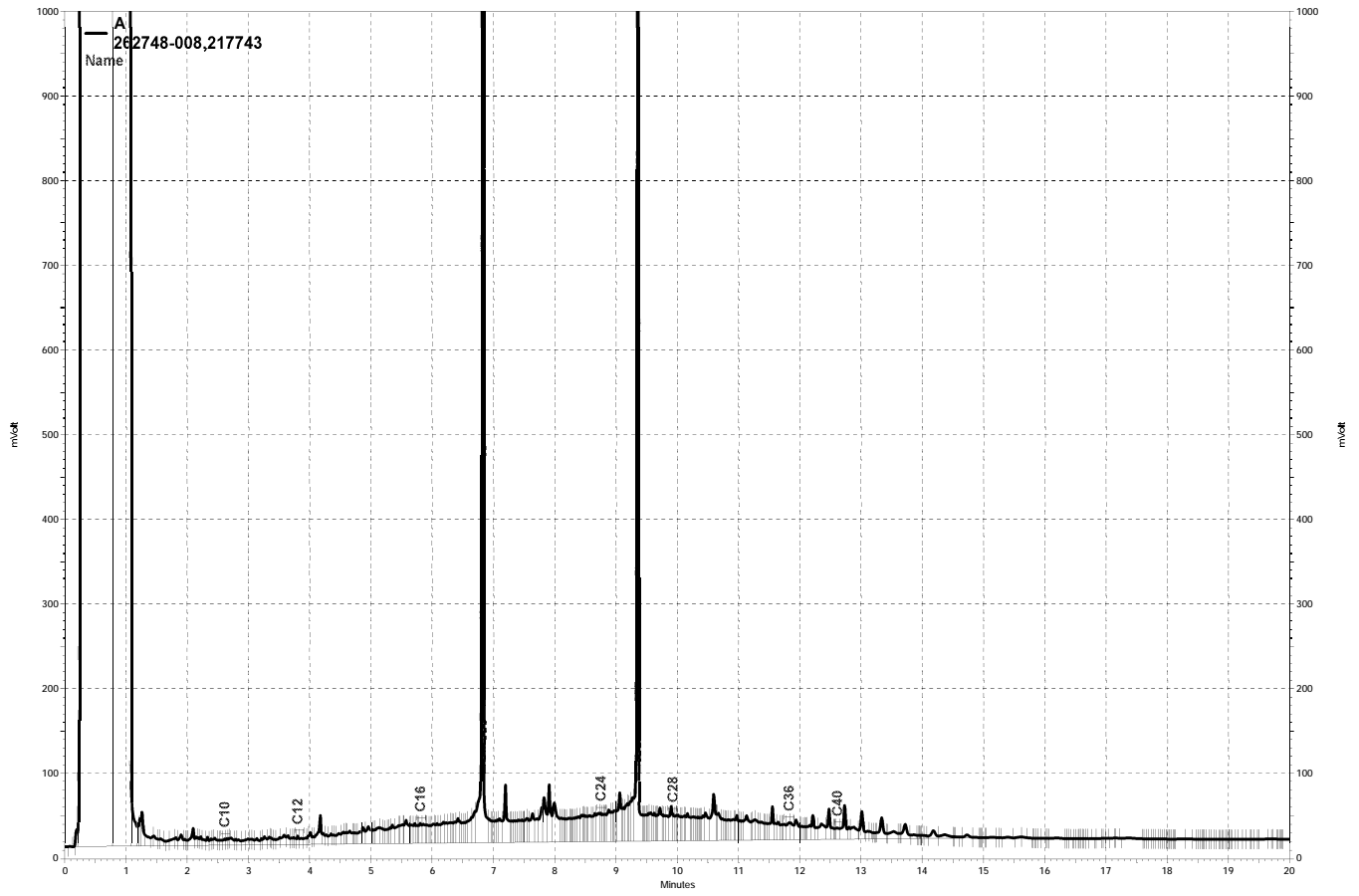
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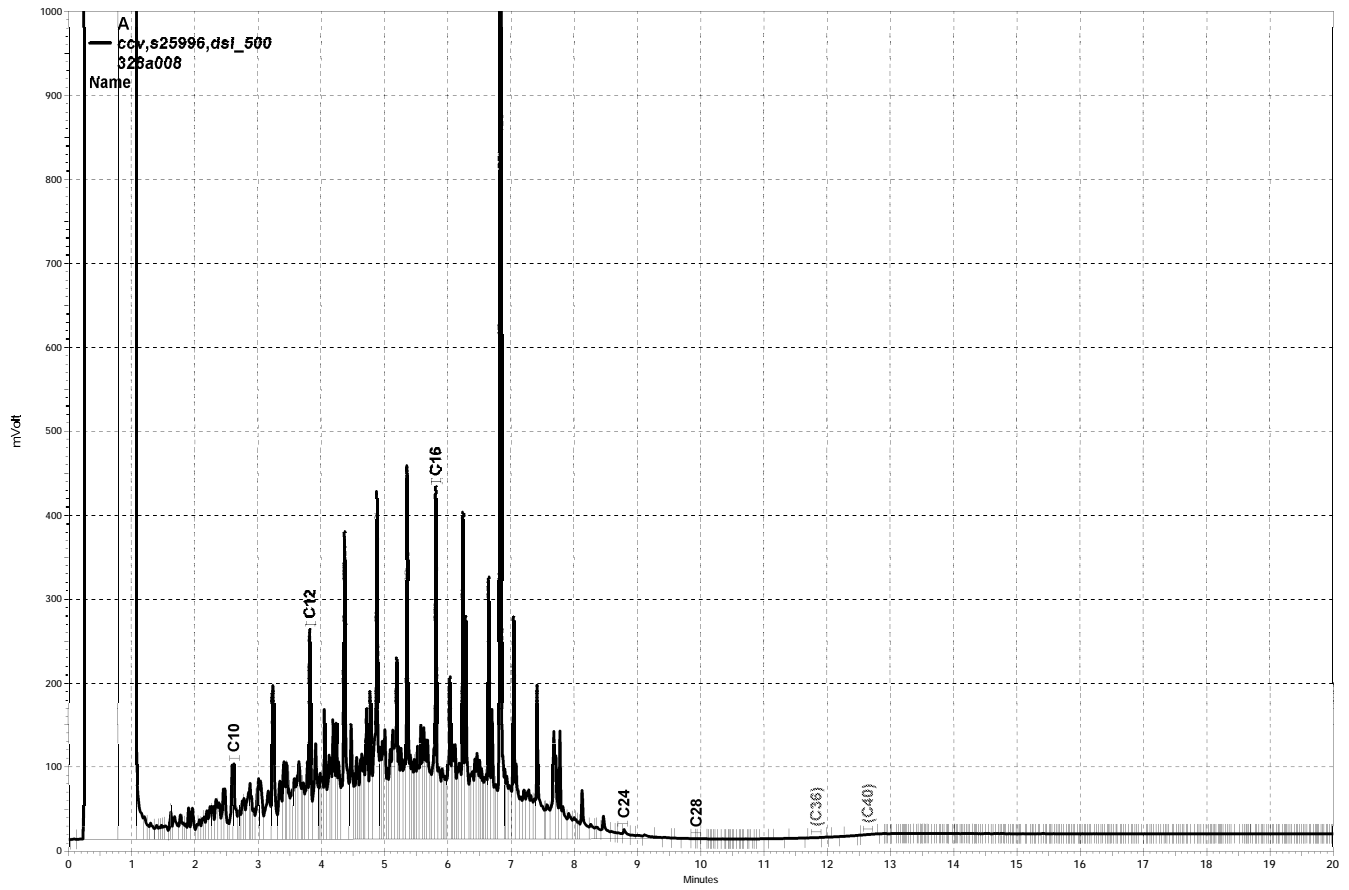
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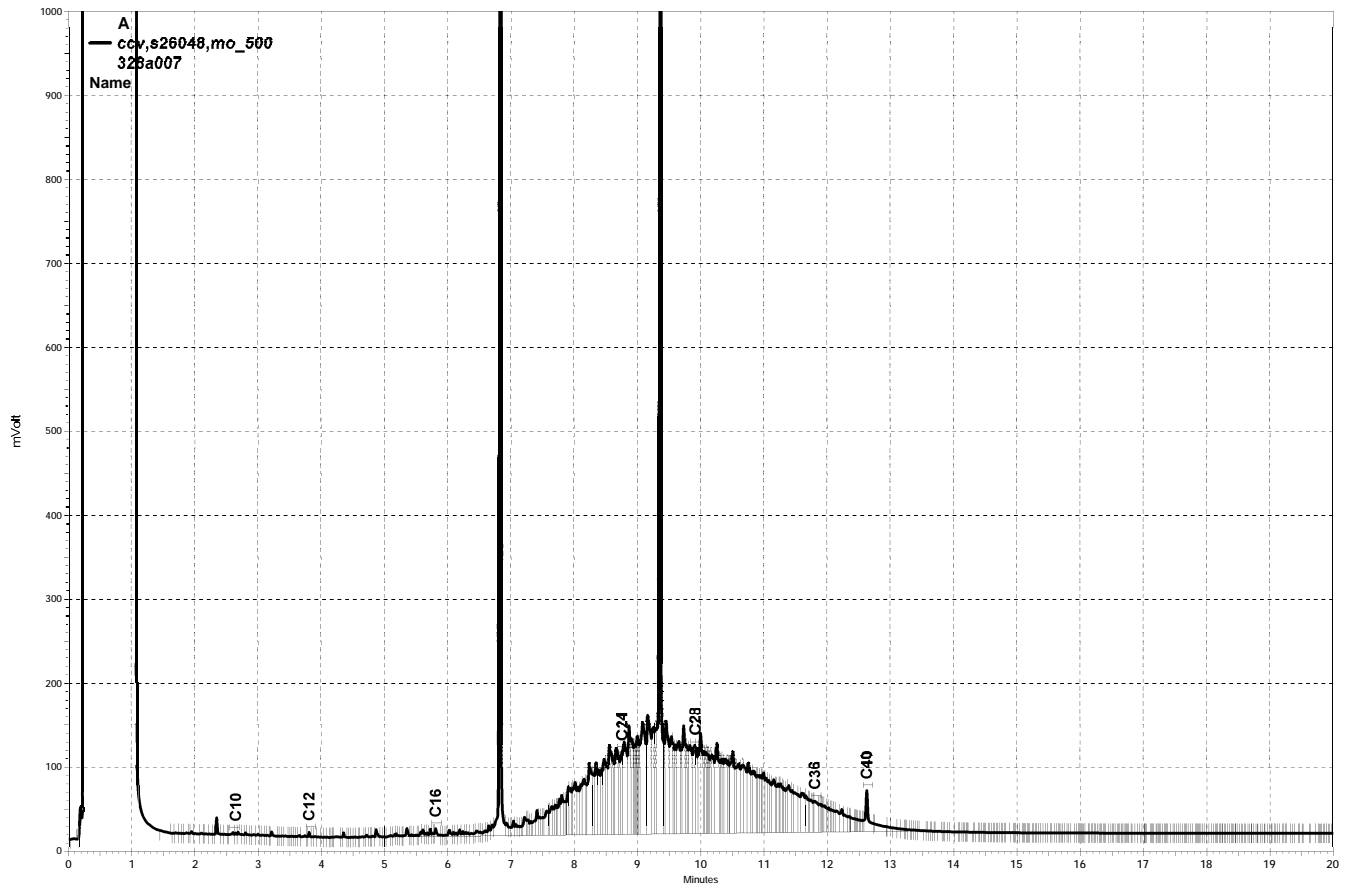
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California Title 22 Metals			
Lab #:	262748	Project#:	CLIN 0002
Client:	Suisun Bay Reserve Fleet	Location:	Storm water
Field ID:	CAPE BRETON	Diln Fac:	1.000
Lab ID:	262748-001	Sampled:	11/20/14
Matrix:	Water	Received:	11/21/14
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Barium	380	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Chromium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Cobalt	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Copper	66	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Lead	8.2	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Mercury	ND	0.20	217897	11/26/14	11/26/14	METHOD	EPA 7470A
Molybdenum	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Nickel	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Selenium	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Silver	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Thallium	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Vanadium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Zinc	1,500	20	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B

ND= Not Detected
 RL= Reporting Limit

California Title 22 Metals			
Lab #:	262748	Project#:	CLIN 0002
Client:	Suisun Bay Reserve Fleet	Location:	Storm water
Field ID:	PARKING LOT	Diln Fac:	1.000
Lab ID:	262748-002	Sampled:	11/20/14
Matrix:	Water	Received:	11/21/14
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Barium	50	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Chromium	6.4	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Cobalt	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Copper	13	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Lead	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Mercury	ND	0.20	217897	11/26/14	11/26/14	METHOD	EPA 7470A
Molybdenum	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Nickel	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Selenium	19	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Silver	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Thallium	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Vanadium	13	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Zinc	120	20	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B

ND= Not Detected
 RL= Reporting Limit

California Title 22 Metals			
Lab #:	262748	Project#:	CLIN 0002
Client:	Suisun Bay Reserve Fleet	Location:	Storm water
Field ID:	CAPE BLANCO	Diln Fac:	1.000
Lab ID:	262748-003	Sampled:	11/20/14
Matrix:	Water	Received:	11/21/14
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Barium	120	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Chromium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Cobalt	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Copper	37	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Lead	8.7	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Mercury	ND	0.20	217897	11/26/14	11/26/14	METHOD	EPA 7470A
Molybdenum	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Nickel	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Selenium	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Silver	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Thallium	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Vanadium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Zinc	820	20	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B

ND= Not Detected
 RL= Reporting Limit

California Title 22 Metals			
Lab #:	262748	Project#:	CLIN 0002
Client:	Suisun Bay Reserve Fleet	Location:	Storm water
Field ID:	GREEN MTN STATE CLEAN	Diln Fac:	1.000
Lab ID:	262748-004	Sampled:	11/20/14
Matrix:	Water	Received:	11/21/14
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Barium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Chromium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Cobalt	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Copper	40	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Lead	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Mercury	ND	0.20	217897	11/26/14	11/26/14	METHOD	EPA 7470A
Molybdenum	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Nickel	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Selenium	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Silver	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Thallium	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Vanadium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Zinc	52	20	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B

ND= Not Detected
 RL= Reporting Limit

California Title 22 Metals

Lab #:	262748	Project#:	CLIN 0002
Client:	Suisun Bay Reserve Fleet	Location:	Storm water
Field ID:	GREEN MTN STATE DIRTY	Diln Fac:	1.000
Lab ID:	262748-005	Sampled:	11/20/14
Matrix:	Water	Received:	11/21/14
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Barium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Chromium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Cobalt	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Copper	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Lead	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Mercury	ND	0.20	217897	11/26/14	11/26/14	METHOD	EPA 7470A
Molybdenum	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Nickel	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Selenium	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Silver	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Thallium	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Vanadium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Zinc	2,800	20	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B

ND= Not Detected
 RL= Reporting Limit

California Title 22 Metals			
Lab #:	262748	Project#:	CLIN 0002
Client:	Suisun Bay Reserve Fleet	Location:	Storm water
Field ID:	CAPE BORDA	Diln Fac:	1.000
Lab ID:	262748-006	Sampled:	11/20/14
Matrix:	Water	Received:	11/21/14
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Barium	270	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Chromium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Cobalt	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Copper	78	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Lead	19	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Mercury	ND	0.20	217897	11/26/14	11/26/14	METHOD	EPA 7470A
Molybdenum	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Nickel	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Selenium	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Silver	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Thallium	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Vanadium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Zinc	1,000	20	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B

ND= Not Detected
 RL= Reporting Limit

California Title 22 Metals			
Lab #:	262748	Project#:	CLIN 0002
Client:	Suisun Bay Reserve Fleet	Location:	Storm water
Field ID:	METEOR	Diln Fac:	1.000
Lab ID:	262748-007	Sampled:	11/20/14
Matrix:	Water	Received:	11/21/14
Units:	ug/L		

Analyte	Result	RL	Batch#	Prepared	Analyzed	Prep	Analysis
Antimony	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Barium	960	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Chromium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Cobalt	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Copper	23	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Lead	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Mercury	ND	0.20	217897	11/26/14	11/26/14	METHOD	EPA 7470A
Molybdenum	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Nickel	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Selenium	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Silver	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Thallium	ND	10	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Vanadium	ND	5.0	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B
Zinc	1,600	20	217742	11/21/14	11/25/14	EPA 3010A	EPA 6010B

ND= Not Detected
 RL= Reporting Limit

California Title 22 Metals

Lab #:	262748	Project#:	CLIN 0002
Client:	Suisun Bay Reserve Fleet	Location:	Storm water
Field ID:	COMET	Diln Fac:	1.000
Lab ID:	262748-008	Sampled:	11/20/14
Matrix:	Water	Received:	11/21/14
Units:	ug/L	Analyzed:	11/26/14

Analyte	Result	RL	Batch#	Prepared	Prep	Analysis
Antimony	ND	10	217742	11/21/14	EPA 3010A	EPA 6010B
Arsenic	ND	5.0	217742	11/21/14	EPA 3010A	EPA 6010B
Barium	290	5.0	217742	11/21/14	EPA 3010A	EPA 6010B
Beryllium	ND	2.0	217742	11/21/14	EPA 3010A	EPA 6010B
Cadmium	ND	5.0	217742	11/21/14	EPA 3010A	EPA 6010B
Chromium	ND	5.0	217742	11/21/14	EPA 3010A	EPA 6010B
Cobalt	ND	5.0	217742	11/21/14	EPA 3010A	EPA 6010B
Copper	20	5.0	217742	11/21/14	EPA 3010A	EPA 6010B
Lead	5.9	5.0	217742	11/21/14	EPA 3010A	EPA 6010B
Mercury	ND	0.20	217897	11/26/14	METHOD	EPA 7470A
Molybdenum	ND	5.0	217742	11/21/14	EPA 3010A	EPA 6010B
Nickel	ND	5.0	217742	11/21/14	EPA 3010A	EPA 6010B
Selenium	ND	10	217742	11/21/14	EPA 3010A	EPA 6010B
Silver	ND	5.0	217742	11/21/14	EPA 3010A	EPA 6010B
Thallium	ND	10	217742	11/21/14	EPA 3010A	EPA 6010B
Vanadium	ND	5.0	217742	11/21/14	EPA 3010A	EPA 6010B
Zinc	1,200	20	217742	11/21/14	EPA 3010A	EPA 6010B

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

Batch QC Report

California Title 22 Metals			
Lab #:	262748	Location:	Storm water
Client:	Suisun Bay Reserve Fleet	Prep:	EPA 3010A
Project#:	CLIN 0002	Analysis:	EPA 6010B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC766858	Batch#:	217742
Matrix:	Water	Prepared:	11/21/14
Units:	ug/L	Analyzed:	11/25/14

Analyte	Result	RL
Antimony	ND	10
Arsenic	ND	5.0
Barium	ND	5.0
Beryllium	ND	2.0
Cadmium	ND	5.0
Chromium	ND	5.0
Cobalt	ND	5.0
Copper	ND	5.0
Lead	ND	5.0
Molybdenum	ND	5.0
Nickel	ND	5.0
Selenium	ND	10
Silver	ND	5.0
Thallium	ND	10
Vanadium	ND	5.0
Zinc	ND	20

ND= Not Detected

RL= Reporting Limit

Batch QC Report

California Title 22 Metals			
Lab #:	262748	Location:	Storm water
Client:	Suisun Bay Reserve Fleet	Prep:	EPA 3010A
Project#:	CLIN 0002	Analysis:	EPA 6010B
Matrix:	Water	Batch#:	217742
Units:	ug/L	Prepared:	11/21/14
Diln Fac:	1.000	Analyzed:	11/25/14

Type: BS Lab ID: QC766859

Analyte	Spiked	Result	%REC	Limits
Antimony	100.0	88.60	89	78-120
Arsenic	100.0	95.38	95	80-120
Barium	100.0	100.9	101	80-120
Beryllium	100.0	95.36	95	80-120
Cadmium	100.0	101.1	101	80-120
Chromium	100.0	97.90	98	80-120
Cobalt	100.0	93.85	94	80-120
Copper	100.0	91.29	91	79-120
Lead	100.0	93.81	94	80-120
Molybdenum	100.0	93.01	93	80-120
Nickel	100.0	96.88	97	80-120
Selenium	100.0	100.1	100	80-120
Silver	100.0	86.97	87	80-120
Thallium	50.00	51.94	104	80-120
Vanadium	100.0	101.7	102	80-120
Zinc	100.0	100.9	101	80-120

Type: BSD Lab ID: QC766860

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	92.99	93	78-120	5	20
Arsenic	100.0	99.98	100	80-120	5	20
Barium	100.0	104.2	104	80-120	3	20
Beryllium	100.0	98.54	99	80-120	3	20
Cadmium	100.0	105.1	105	80-120	4	20
Chromium	100.0	100.5	101	80-120	3	20
Cobalt	100.0	98.09	98	80-120	4	20
Copper	100.0	95.42	95	79-120	4	20
Lead	100.0	98.79	99	80-120	5	20
Molybdenum	100.0	97.43	97	80-120	5	20
Nickel	100.0	101.2	101	80-120	4	20
Selenium	100.0	102.7	103	80-120	3	20
Silver	100.0	90.36	90	80-120	4	20
Thallium	50.00	53.03	106	80-120	2	20
Vanadium	100.0	106.0	106	80-120	4	20
Zinc	100.0	105.8	106	80-120	5	20

RPD= Relative Percent Difference

Batch QC Report

California Title 22 Metals			
Lab #:	262748	Location:	Storm water
Client:	Suisun Bay Reserve Fleet	Prep:	EPA 3010A
Project#:	CLIN 0002	Analysis:	EPA 6010B
Field ID:	ZZZZZZZZZZ	Batch#:	217742
MSS Lab ID:	262743-001	Sampled:	11/19/14
Matrix:	Water	Received:	11/20/14
Units:	ug/L	Prepared:	11/21/14
Diln Fac:	1.000	Analyzed:	11/25/14

Type: MS Lab ID: QC766861

Analyte	MSS Result	Spiked	Result	%REC	Limits
Antimony	<0.6500	100.0	60.40	60 *	76-120
Arsenic	61.72	100.0	171.9	110	79-126
Barium	341.9	100.0	464.7	123 *	74-120
Beryllium	1.026	100.0	106.5	106	80-122
Cadmium	<0.5791	100.0	103.9	104	76-122
Chromium	95.29	100.0	199.4	104	76-120
Cobalt	19.71	100.0	119.4	100	74-120
Copper	57.52	100.0	152.2	95	74-122
Lead	27.21	100.0	126.0	99	71-120
Molybdenum	15.73	100.0	119.6	104	78-120
Nickel	137.0	100.0	232.6	96	73-120
Selenium	22.75	100.0	136.4	114	71-127
Silver	<0.6601	100.0	95.40	95	58-128
Thallium	2.627	50.00	56.32	107	71-120
Vanadium	68.84	100.0	186.0	117	80-120
Zinc	165.6	100.0	260.7	95	74-123

Type: MSD Lab ID: QC766862

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Antimony	100.0	68.78	69 *	76-120	13	20
Arsenic	100.0	201.7	140 *	79-126	16	20
Barium	100.0	549.2	207 *	74-120	17	25
Beryllium	100.0	122.4	121	80-122	14	20
Cadmium	100.0	122.7	123 *	76-122	17	20
Chromium	100.0	235.7	140 *	76-120	17	20
Cobalt	100.0	138.4	119	74-120	15	20
Copper	100.0	174.8	117	74-122	14	21
Lead	100.0	147.2	120	71-120	16	20
Molybdenum	100.0	138.3	123 *	78-120	15	20
Nickel	100.0	272.6	136 *	73-120	16	20
Selenium	100.0	157.4	135 *	71-127	14	35
Silver	100.0	110.3	110	58-128	14	22
Thallium	50.00	61.69	118	71-120	9	20
Vanadium	100.0	218.1	149 *	80-120	16	20
Zinc	100.0	294.9	129 *	74-123	12	20

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference

Batch QC Report

California Title 22 Metals			
Lab #:	262748	Location:	Storm water
Client:	Suisun Bay Reserve Fleet	Prep:	METHOD
Project#:	CLIN 0002	Analysis:	EPA 7470A
Analyte:	Mercury	Diln Fac:	1.000
Type:	BLANK	Batch#:	217897
Lab ID:	QC767458	Prepared:	11/26/14
Matrix:	Water	Analyzed:	11/26/14
Units:	ug/L		

Result	RL
ND	0.20

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

California Title 22 Metals			
Lab #:	262748	Location:	Storm water
Client:	Suisun Bay Reserve Fleet	Prep:	METHOD
Project#:	CLIN 0002	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	217897
Matrix:	Water	Prepared:	11/26/14
Units:	ug/L	Analyzed:	11/26/14
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC767459	2.500	2.592	104	80-120		
BSD	QC767460	2.500	2.646	106	80-120	2	20

RPD= Relative Percent Difference

Batch QC Report

California Title 22 Metals			
Lab #:	262748	Location:	Storm water
Client:	Suisun Bay Reserve Fleet	Prep:	METHOD
Project#:	CLIN 0002	Analysis:	EPA 7470A
Analyte:	Mercury	Batch#:	217897
Field ID:	ZZZZZZZZZZ	Sampled:	11/21/14
MSS Lab ID:	262760-001	Received:	11/21/14
Matrix:	Water	Prepared:	11/26/14
Units:	ug/L	Analyzed:	11/26/14
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC767461	0.2929	2.500	2.825	101	57-127		
MSD	QC767462		2.500	2.941	106	57-127	4	42

RPD= Relative Percent Difference

Total Oil & Grease (HEM)			
Lab #:	262748	Location:	Storm water
Client:	Suisun Bay Reserve Fleet	Prep:	METHOD
Project#:	CLIN 0002	Analysis:	EPA 1664A
Analyte:	Oil & Grease (HEM)	Batch#:	217998
Matrix:	Water	Received:	11/21/14
Units:	mg/L	Analyzed:	12/02/14 09:15
Diln Fac:	1.000		

Field ID	Type	Lab ID	Result	RL	Sampled
CAPE BRETON	SAMPLE	262748-001	ND	5.00	11/20/14 13:40
PARKING LOT	SAMPLE	262748-002	ND	4.85	11/20/14 14:00
CAPE BLANCO	SAMPLE	262748-003	ND	4.81	11/20/14 13:30
GREEN MTN STATE CLEAN	SAMPLE	262748-004	ND	4.81	11/20/14 13:50
GREEN MTN STATE DIRTY	SAMPLE	262748-005	ND	4.81	11/20/14 14:00
CAPE BORDA	SAMPLE	262748-006	ND	4.81	11/20/14 13:30
METEOR	SAMPLE	262748-007	ND	4.85	11/20/14 14:00
COMET	SAMPLE	262748-008	ND	4.85	11/20/14 14:10
	BLANK	QC767856	ND	5.00	

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Oil & Grease (HEM)			
Lab #:	262748	Location:	Storm water
Client:	Suisun Bay Reserve Fleet	Prep:	METHOD
Project#:	CLIN 0002	Analysis:	EPA 1664A
Analyte:	Oil & Grease (HEM)	Diln Fac:	1.000
Matrix:	Water	Batch#:	217998
Units:	mg/L	Analyzed:	12/02/14 09:15

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC767857	40.00	37.00	92	78-114		
BSD	QC767858	40.00	35.50	89	78-114	4	18

RPD= Relative Percent Difference

Conductivity			
Lab #:	262748	Location:	Storm water
Client:	Suisun Bay Reserve Fleet	Prep:	METHOD
Project#:	CLIN 0002	Analysis:	SM2510B
Analyte:	Specific Conductance	Batch#:	217860
Matrix:	Water	Received:	11/21/14
Units:	umhos/cm	Analyzed:	11/25/14 12:52
Diln Fac:	1.000		

Field ID	Type	Lab ID	Result	RL	Sampled
CAPE BRETON	SAMPLE	262748-001	44	1.0	11/20/14 13:40
PARKING LOT	SAMPLE	262748-002	4,120	1.0	11/20/14 14:00
CAPE BLANCO	SAMPLE	262748-003	29	1.0	11/20/14 13:30
GREEN MTN STATE CLEAN	SAMPLE	262748-004	21	1.0	11/20/14 13:50
GREEN MTN STATE DIRTY	SAMPLE	262748-005	15	1.0	11/20/14 14:00
CAPE BORDA	SAMPLE	262748-006	20	1.0	11/20/14 13:30
METEOR	SAMPLE	262748-007	29	1.0	11/20/14 14:00
COMET	SAMPLE	262748-008	34	1.0	11/20/14 14:10
	BLANK	QC767319	ND	1.0	

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Conductivity			
Lab #:	262748	Location:	Storm water
Client:	Suisun Bay Reserve Fleet	Prep:	METHOD
Project#:	CLIN 0002	Analysis:	SM2510B
Analyte:	Specific Conductance	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	217860
MSS Lab ID:	262708-002	Sampled:	11/20/14 12:10
Matrix:	Water	Received:	11/20/14
Units:	umhos/cm	Analyzed:	11/25/14 12:52

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim
LCS	QC767320		1,000	977.0		98	90-110		
SDUP	QC767321	42.70		42.80	1.000			0	20

RL= Reporting Limit

RPD= Relative Percent Difference

pH			
Lab #:	262748	Location:	Storm water
Client:	Suisun Bay Reserve Fleet	Prep:	METHOD
Project#:	CLIN 0002	Analysis:	EPA 9040C
Analyte:	pH	Batch#:	217763
Matrix:	Water	Received:	11/21/14
Units:	SU	Analyzed:	11/21/14 12:45
Diln Fac:	1.000		

Field ID	Lab ID	Result	RL	Sampled
CAPE BRETON	262748-001	5.9	1.0	11/20/14 13:40
PARKING LOT	262748-002	7.5	1.0	11/20/14 14:00
CAPE BLANCO	262748-003	5.8	1.0	11/20/14 13:30
GREEN MTN STATE CLEAN	262748-004	4.3	1.0	11/20/14 13:50
GREEN MTN STATE DIRTY	262748-005	5.7	1.0	11/20/14 14:00
CAPE BORDA	262748-006	5.3	1.0	11/20/14 13:30
METEOR	262748-007	5.3	1.0	11/20/14 14:00
COMET	262748-008	5.3	1.0	11/20/14 14:10

RL= Reporting Limit

Batch QC Report

pH			
Lab #:	262748	Location:	Storm water
Client:	Suisun Bay Reserve Fleet	Prep:	METHOD
Project#:	CLIN 0002	Analysis:	EPA 9040C
Analyte:	pH	Units:	SU
Field ID:	CAPE BRETON	Diln Fac:	1.000
Type:	SDUP	Batch#:	217763
MSS Lab ID:	262748-001	Sampled:	11/20/14 13:40
Lab ID:	QC766935	Received:	11/21/14
Matrix:	Water	Analyzed:	11/21/14 12:45

MSS Result	Result	RL	RPD	Lim
5.920	5.910	1.000	0	20

RL= Reporting Limit

RPD= Relative Percent Difference

Total Suspended Solids (TSS)

Lab #:	262748	Location:	Storm water
Client:	Suisun Bay Reserve Fleet	Prep:	METHOD
Project#:	CLIN 0002	Analysis:	SM2540D
Analyte:	Total Suspended Solids	Sampled:	11/20/14
Matrix:	Water	Received:	11/21/14
Units:	mg/L	Prepared:	11/26/14
Diln Fac:	1.000	Analyzed:	11/27/14
Batch#:	217910		

Field ID	Type	Lab ID	Result	RL
CAPE BRETON	SAMPLE	262748-001	14	5
PARKING LOT	SAMPLE	262748-002	35	5
CAPE BLANCO	SAMPLE	262748-003	21	5
GREEN MTN STATE CLEAN	SAMPLE	262748-004	ND	5
GREEN MTN STATE DIRTY	SAMPLE	262748-005	ND	5
CAPE BORDA	SAMPLE	262748-006	13	5
METEOR	SAMPLE	262748-007	11	5
COMET	SAMPLE	262748-008	8	5
	BLANK	QC767514	ND	5

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Suspended Solids (TSS)			
Lab #:	262748	Location:	Storm water
Client:	Suisun Bay Reserve Fleet	Prep:	METHOD
Project#:	CLIN 0002	Analysis:	SM2540D
Analyte:	Total Suspended Solids	Batch#:	217910
Field ID:	ZZZZZZZZZZ	Sampled:	11/20/14
MSS Lab ID:	262708-001	Received:	11/20/14
Matrix:	Water	Prepared:	11/26/14
Units:	mg/L	Analyzed:	11/27/14
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC767515		50.00	51.00	102	80-120		
BSD	QC767516		50.00	43.00	86	80-120	17	* 5
MS	QC767517	25.00	50.00	62.00	74	52-132		
MSD	QC767518		50.00	60.00	70	52-132	3	5

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference

Laboratory Job Number 262748

Subcontracted Products

Alpha Analytical Dublin



alpha

Alpha Analytical Laboratories Inc.

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

ELAP Certificates 1551, 2728, and 2922

11 December 2014

Curtis & Tompkins, LTD.

Attn: Will Rice

2323 Fifth Street

Berkeley, CA 94710

RE: Stormwater Sampling

Work Order: 14K1765

Enclosed are the results of analyses for samples received by the laboratory on 11/24/14 17:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Chelsea L. Sandelin For Robbie C. Phillips
Project Manager



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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CHEMICAL EXAMINATION REPORT

Page 1 of 4

Curtis & Tompkins, LTD.
2323 Fifth Street
Berkeley, CA 94710
Attn: Will Rice

Report Date: 12/11/14 15:53
Project No: 262748
Project ID: Stormwater Sampling

Order Number
14K1765

Receipt Date/Time
11/24/2014 17:30

Client Code
RP C&T

Client PO/Reference

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Cape Breton	14K1765-01	Water	11/20/14 13:40	11/24/14 17:30
Parking Lot	14K1765-02	Water	11/20/14 14:00	11/24/14 17:30
Cape Blanco	14K1765-03	Water	11/20/14 13:30	11/24/14 17:30
Green Mtn State Clean	14K1765-04	Water	11/20/14 13:50	11/24/14 17:30
Green Mtn State Dirty	14K1765-05	Water	11/20/14 14:00	11/24/14 17:30
Cape Borda	14K1765-06	Water	11/20/14 13:30	11/24/14 17:30
Meteor	14K1765-07	Water	11/20/14 14:00	11/24/14 17:30
Comet	14K1765-08	Water	11/20/14 14:10	11/24/14 17:30

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



Alpha Analytical Laboratories Inc.

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CHEMICAL EXAMINATION REPORT

Page 2 of 4

Curtis & Tompkins, LTD.
2323 Fifth Street
Berkeley, CA 94710
Attn: Will Rice

Report Date: 12/11/14 15:53
Project No: 262748
Project ID: Stormwater Sampling

Order Number: 14K1765 Receipt Date/Time: 11/24/2014 17:30 Client Code: RP C&T Client PO/Reference:

Alpha Analytical Laboratories, Inc.

	METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
Cape Breton (14K1765-01)			Sample Type: Water			Sampled: 11/20/14 13:40		
Metals by APHA/EPA Methods								
Mercury	EPA 1631E	AL40346	12/04/14 16:00	12/05/14 12:41	1	5.63 ug/l	0.500	
Parking Lot (14K1765-02)			Sample Type: Water			Sampled: 11/20/14 14:00		
Metals by APHA/EPA Methods								
Mercury	EPA 1631E	AL40346	12/04/14 16:00	12/05/14 12:49	1	14.2 ug/l	0.500	
Cape Blanco (14K1765-03)			Sample Type: Water			Sampled: 11/20/14 13:30		
Metals by APHA/EPA Methods								
Mercury	EPA 1631E	AL40346	12/04/14 16:00	12/05/14 12:57	1	5.90 ug/l	0.500	
Green Mtn State Clean (14K1765-04)			Sample Type: Water			Sampled: 11/20/14 13:50		
Metals by APHA/EPA Methods								
Mercury	EPA 1631E	AL40346	12/04/14 16:00	12/05/14 13:06	1	5.01 ug/l	0.500	
Green Mtn State Dirty (14K1765-05)			Sample Type: Water			Sampled: 11/20/14 14:00		
Metals by APHA/EPA Methods								
Mercury	EPA 1631E	AL40346	12/04/14 16:00	12/05/14 13:14	1	2.49 ug/l	0.500	
Cape Borda (14K1765-06)			Sample Type: Water			Sampled: 11/20/14 13:30		
Metals by APHA/EPA Methods								
Mercury	EPA 1631E	AL40346	12/04/14 16:00	12/05/14 13:22	1	11.1 ug/l	0.500	
Meteor (14K1765-07)			Sample Type: Water			Sampled: 11/20/14 14:00		
Metals by APHA/EPA Methods								
Mercury	EPA 1631E	AL40346	12/04/14 16:00	12/05/14 13:30	1	3.93 ug/l	0.500	
Comet (14K1765-08)			Sample Type: Water			Sampled: 11/20/14 14:10		
Metals by APHA/EPA Methods								
Mercury	EPA 1631E	AL40346	12/04/14 16:00	12/05/14 13:38	1	9.62 ug/l	0.500	

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



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

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

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

CHEMICAL EXAMINATION REPORT

Page 3 of 4

Curtis & Tompkins, LTD.
2323 Fifth Street
Berkeley, CA 94710
Attn: Will Rice

Report Date: 12/11/14 15:53
Project No: 262748
Project ID: Stormwater Sampling

Order Number: 14K1765 Receipt Date/Time: 11/24/2014 17:30 Client Code: RP C&T Client PO/Reference:

Metals by APHA/EPA Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch AL40346 - EPA 1631										
Blank (AL40346-BLK1)										
Mercury	ND	0.500	ng/l							
				Prepared: 12/04/14 Analyzed: 12/05/14						
LCS (AL40346-BS1)										
Mercury	4.91	0.500	ng/l	5.00		98.3	77-123			
				Prepared: 12/04/14 Analyzed: 12/05/14						
Matrix Spike (AL40346-MS1)										
Mercury	31.6	0.500	ng/l	25.0	9.20	89.5	71-125			
				Prepared: 12/04/14 Analyzed: 12/05/14						
Matrix Spike Dup (AL40346-MSD1)										
Mercury	31.1	0.500	ng/l	25.0	9.20	87.8	71-125	1.40	24	
				Prepared: 12/04/14 Analyzed: 12/05/14						

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2323 Fifth Street
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Attn: Will Rice

Report Date: 12/11/14 15:53
Project No: 262748
Project ID: Stormwater Sampling

Order Number

14K1765

Receipt Date/Time

11/24/2014 17:30

Client Code

RP C&T

Client PO/Reference

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
PQL Practical Quantitation Limit

~~14K1860~~ 14K1765

Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900
(510) 486-0532

Project Number: 262748
Site: Storm water

Sample

Subcontract Laboratory:
Alpha Analytical Dublin
6398 Dougherty Rd. #35
Dublin, CA 94568
(925) 828-6226
ATTN: Robbie Phillips

Results due: Report Level: II

Please send report to: Will S Rice (will.rice@ctberk.com)
*** Please report using Sample ID rather than C&T Lab #.

Sample ID	Sampled	Matrix	Analysis	C&T Lab #	Comments
CAPE BRETON	11/20 13:40	Water	1631	262748-001	
PARKING LOT	11/20 14:00	Water	1631	262748-002	
CAPE BLANCO	11/20 13:30	Water	1631	262748-003	
GREEN MTN STATE CLEAN	11/20 13:50	Water	1631	262748-004	
GREEN MTN STATE DIRTY	11/20 14:00	Water	1631	262748-005	
CAPE BORDA	11/20 13:30	Water	1631	262748-006	
METEOR	11/20 14:00	Water	1631	262748-007	
COMET	11/20 14:10	Water	1631	262748-008	

Notes:	Relinquished By:	Received By:
	<i>Flora Marquez</i>	<i>Ran Luzzo</i>
	Date/Time: <i>11/24/14 1730</i>	Date/Time: <i>11-24-14 1730</i>
	<i>Luzzo</i>	<i>Ran Luzzo</i>
	Date/Time: <i>11-25-14 2220</i>	Date/Time: <i>11-25-14 2220</i>

Signature on this form constitutes a firm Purchase Order for the services requested above.
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