

FREY ENVIRONMENTAL, INC.

Environmental Geologists, Engineers, Assessors

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September 23, 2014
784-01

Ms. Pauline Belcher
528 Arizona Avenue, Suite 120
Santa Monica, California 90401

**SOIL INVESTIGATION
ORANGE SQUARE
1009-1023 NORTH ORANGE DRIVE
LOS ANGELES, CALIFORNIA**

Dear Ms. Belcher:

This report documents and presents the results of a subsurface soil investigation by FREY Environmental, Inc. (FREY) in parking lot areas at the properties located at 1009 through 1023 North Orange Drive in Los Angeles, California (Site) (Figures 1 and 2). This Site also includes the area of 1012 through 1020 North Sycamore Drive. This investigation was performed in accordance with our proposal titled, "*Proposal to Conduct a Phase II Soil Sample Investigation at 1009-1023 North Orange Drive and 1012-1020 North Sycamore Avenue in Los Angeles, California*" dated August 12, 2014. (FREY, 2014)

BACKGROUND

FREY reviewed the Phase II Environmental Site Assessment (ESA) prepared for the Site by Rincon Consultants, Inc. Dated August 1, 2013 (Rincon, 2013) and the Surface Sampling - Heavy Metals report prepared for the Site by Ellis Environmental Management, Inc. (Ellis, 2014). It is our understanding that a fire occurred at an adjacent metals plating facility located at 1006 North Orange Drive on July 13, 2014. Significant runoff of water, ash, and metal contaminated liquids were washed onto the Site in an effort to extinguish the fire by local fire departments. Stained asphalt and concrete, including areas of pooled discolored liquids, were documented in photographs taken after the fire. Surface samples collected on July 18, 2014 contained high levels of chromium, copper, nickel, and zinc.

OBJECTIVE

The objective of the scope of work described below was to evaluate for the presence of contaminants of concern in subsurface soils in the areas of runoff due to fire suppression efforts and potentially from uncontrolled previous releases from the metal plating facility.

SCOPE OF WORK

The scope of work, designed to meet the objective was as follows:

- Prepared and implemented a Site-specific Health and Safety Plan;
- Marked the proposed hand auger locations and had underground utilities marked by Underground Service Alert (USA);
- Advanced soil borings B1 through B7 to final depths of one foot below the ground surface (bgs);
- Collect asphalt/concrete surface samples from boring locations B3 through B6
- Collected soil samples from borings B1 through B7 at various depths;
- Examined soil samples to characterize the soil lithology;
- Provided laboratory analyses of soil samples for chemical constituents; and,
- Evaluated data and prepared this report.

A more detailed description of the field investigation, laboratory testing program, and various other activities follows.

PRE-FIELD ACTIVITIES

Prior to the advancement of soil borings, FREY personnel notified USA in order for utility companies to mark underground lines in the vicinity.

FIELD ACTIVITIES

Hand Auger and Sampling of Seven Soil Borings

On August 22, 2014, soil borings B1 through B7 were hand augered to final depths of approximately 1 foot bgs at the locations show on Figure 2. Using a jackhammer, an asphalt surface sample was collected from boring location B3 and concrete surface samples were collected from boring locations B4, B5, and B6. Soil samples were collected at approximately 0.5 feet bgs and 1 feet bgs in all borings. In soil borings B3 through B6 located in either asphalt or concrete, soil samples were collected just below the concrete or asphalt layer (these are referred to as the 0.5 feet bgs samples). The samples were labeled and transported to the laboratory using chain of custody procedures and protocol.

Soil samples and soil cuttings were examined in order to characterize the soil lithology. Field procedures used in the hand augering and soil sampling of soil borings B1 through B7 are presented in Appendix A.

Hand auger and sampling activities related to this investigation were conducted under the supervision of a State of California Professional Geologist in accordance with accepted engineering practice and protocol. All field work was conducted under the general guidelines set forth in the Site-specific health and safety plan prepared for the Site.

LABORATORY ANALYSES OF SOIL SAMPLES

Selected soil samples collected from soil borings B1 through B7 were analyzed for California Code of Regulations (CCR) Title 22 Metals (Title 22 Metals) in general accordance with EPA Methods 6010B/7471A.

RESULTS OF THE SUBSURFACE INVESTIGATION

Surface and Subsurface Conditions

Surface materials included native dirt/soil in borings B1, B2, and B7, asphalt in boring B3, and concrete in boring B4, B5, and B6. Subsurface materials (below the asphalt and concrete) encountered during augering operations consisted predominantly of light to dark brown silts with traces of fine grained sand, clay and gravel from just below the ground surface to the bottom of each boring. Groundwater was not encountered in borings.

Soil Sample Analytical Results

Soil samples B1 through B7 contained the following metals at these maximum concentrations: antimony (22.4 mg/kg), arsenic (9.97 mg/kg), barium (242 mg/kg), beryllium (0.453 mg/kg), cadmium (21.4 mg/kg), chromium (2,350 mg/kg), cobalt (88.3 mg/kg), copper (10,900 mg/kg), lead (1,010 mg/kg), mercury (1,050 mg/kg), molybdenum (4.38 mg/kg), nickel (2,910 mg/kg), silver (156 mg/kg), vanadium (52.6 mg/kg), and zinc (2,120 mg/kg) (Table 1).

Table 1 summarizes the analytical results of soil samples collected and analyzed on August 22, 2014. The laboratory reports and laboratory quality assurance / quality control reports are included in Appendix B.

DISCUSSION OF METAL ANALYTICAL RESULTS

Soil sample B7-1 contained high concentrations of copper (10,900 mg/kg), lead (1,010 mg/kg), mercury (1,050 mg/kg), and nickel (2,910 mg/kg) which were detected above California's Total Threshold Limit Concentration (TTL) limits of 2,500 mg/kg, 1,000 mg/kg, 20 mg/kg, and 2,000 mg/kg, respectively. TTL values are criteria which refer to the concentrations of total metals in soil, asphalt, or concrete, above which are considered a California Hazardous Waste (Cal-Haz).

Soil samples from borings B1-0.5, B2-0.5, B4-1, B7-0.5, and B7-1 contained concentrations of chromium, copper, lead, nickel, and silver which were detected above 10 times California's Soluble Threshold Limit Concentration (STLC) limits (Table 1). Ten times the STLC values are criteria for soluble constituents extracted from soil in accordance with the California Waste Extraction Test (WET) method. The WET involves a tenfold dilution of the soil sample with the extraction solvent;

multiplying the STLC value by a factor of 10 provides a minimum concentration criteria for which soil, asphalt, or concrete could exceed the STLC limit and be considered a Cal-Haz waste.

CONCLUSIONS

The following conclusions have been drawn based upon the data collected and analyzed as part of this investigation:

- Subsurface soils contain high concentrations of Title 22 Metals in the southwest corner of the Site as well as in the soil area of boring B7. Copper, lead, mercury, and nickel concentrations detected in soil boring B7-1 exceeded the TTLC limit and are considered to be hazardous.
- Concentrations of cadmium, chromium, copper, lead, mercury, nickel, and silver detected in soil borings B1-0.5, B2-0.5, B4-1, B7-0.5, and B7-1 exceed 10 times the STLC limit and have the potential to be Cal-Haz waste if the soluble concentrations exceed the STLC limits.
- Cadmium, chromium, lead, mercury, and silver are listed as Federal Resource Conservation and Recovery Act (RCRA) metals and the concentrations detected in soil boring B7-1 have the potential to constitute a RCRA Hazardous Waste (RCRA-Haz) waste if the soluble concentrations exceed the Toxicity Characteristic Leaching Procedure (TCLP) limits.

RECOMMENDATIONS

Hazardous total concentrations of metals as defined by the CCR have been detected through chemical analysis conducted as reported herein in a number of soil samples. Furthermore hazardous soluble concentrations of metals as defined by the CCR and the RCRA may be present. Determination of soluble concentrations of metals can be reached through the conduct of a WET analysis and a TCLP analysis.

Twenty times the Federal regulatory criteria for TCLP values are criteria for soluble constituents extracted from soil in accordance with the TCLP method. The TCLP involves a twentyfold dilution of the soil sample with the extraction solvent; multiplying the TCLP value by a factor of 20 provides concentration criteria which can be compared directly with total metals concentrations in the soil sample.

Soil exceeding the TCLP limit would be considered a RCRA-Haz. Cal-Haz and/or RCRA-Haz soils would require disposal at landfills that accept this waste. which can be compared directly with total metals concentrations in the soil sample.

- FREY recommends that any RCRA metals that exceed the TTLC limit be run for TCLP analyses to determine if the soils are considered to be RCRA-Haz.
- FREY recommends that any soils that exceed 10 times the STLC limit to be run for WET analysis.

- FREY recommends that soils identified as hazardous in this report be assessed and mitigated properly by the adjacent plating facility owner.

LIMITATIONS

The judgments described in this report are professional opinions based solely within the limits of the scope of work authorized, and pertain to conditions judged to be present or applicable at the time the work was performed. Future conditions may differ from those described herein, and this report is not intended for future evaluations of this Site unless an update is conducted by a consultant familiar with environmental assessments.

This report was compiled partially from information supplied to FREY Environmental, Inc. from outside sources, other information that is in the public domain and a visual inspection of the property. FREY Environmental, Inc. makes no warranty as to the accuracy of statements made by others, which may be contained in this report, nor are any other warranties or guarantees, expressed or implied, included or intended by the report, except that it has been prepared in accordance with the current accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professional consultants or firms performing similar services.

Site conditions may change with time as the result of natural alterations or man-made changes on this or adjacent properties. Future environmental investigations conducted at the Site may reveal site conditions not indicated in the data reviewed by FREY Environmental, Inc. Additionally, changes in standards or regulations applicable to the Site may occur. The findings of this report may be partially or wholly invalidated by changes of which FREY Environmental, Inc. is not aware or has not had the opportunity to evaluate.

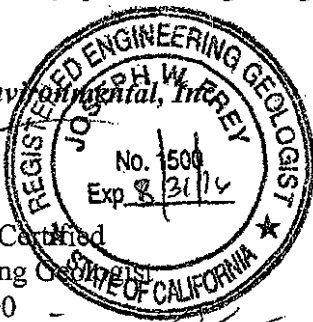
Environmental assessments provide an additional source of information regarding the environmental conditions of a particular property or facility. The report is a professional opinion and judgment to the Client, dependent upon FREY's knowledge and information obtained during the course of performance of the services.

If you have any questions regarding this report, please contact us at (949) 723-1645.

Sincerely

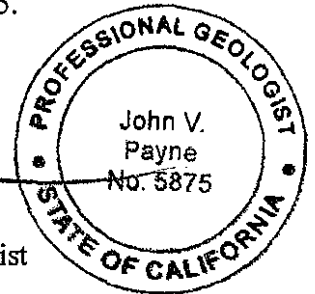
FREY Environmental, Inc.

Joe Frey
Principal Certified
Engineering Geologist
CEG#1500



Brian Finkelstein
Brian Finkelstein
Staff Engineer

John V. Payne
John V. Payne
Senior Project Geologist



Attachments:

Table 1 - Soil Sample Analytical Results for Title 22 Metals

Figure 1 - Site Location Map

Figure 2 - Site Sketch Showing Soil Boring Locations

Appendix A - Field Procedures

Appendix B - Laboratory Analyses

REFERENCES

Ellis (Ellis Environmental Management, Inc.), 2014, *Surface Sampling - Heavy Metals, 1009 N. Orange Drive, Los Angeles, CA 90038, Sampling Date July 18, 2014*, report dated July 25, 2014.

FREY (Frey Environmental, Inc.), 2014, *Proposal to Conduct a Phase II Soil Sample Investigation at 1009-1023 North Orange Drive and 1012 - 1020 North Sycamore Avenue in Los Angeles, California*, report dated August 12, 2014.

Rincon (Rincon Consultants, Inc.), 2014, *Phase II Environmental Site Assessment, 1016 North Sycamore Avenue, Los Angeles, CA*, report dated August 1, 2013.

TABLE

Table 1
Soil Sample Analytical Results for Title 22 Metals
Orange Square
1009 North Orange Drive, Los Angeles, California

Sample ID	Depth (feet bgs)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			mg/kg																
B1-0.5	0.5	8/22/2014	ND<0.750	2.56	181	0.329	1.33	103	7.70	126	463	0.630	1.82	86.1	ND<0.750	153	ND<0.750	34.4	758
B2-0.5	0.5	8/22/2014	ND<0.750	1.85	120	ND<0.253	2.85	85.5	7.27	169	267	0.236	3.02	107	ND<0.758	156	ND<0.758	20.3	970
B3-Surface	Surface	8/22/2014	ND<0.735	5.11	105	ND<0.245	ND<0.490	17.8	8.00	46.6	11.1	0.727	0.976	22.7	ND<0.735	4.97	ND<0.735	41.3	91.2
B3-1	1	8/22/2014	ND<0.725	ND<0.725	87.5	0.335	ND<0.483	26.6	12.1	24.6	16.9	0.148	ND<0.242	23.7	ND<0.725	ND<0.242	ND<0.725	40.7	58.1
B4-1	1	8/22/2014	3.32	4.20	79.4	0.356	0.608	2,350	12.2	451	39.7	0.156	1.58	314	ND<0.765	9.47	ND<0.765	39.3	330
B5-1	1	8/22/2014	ND<0.765	ND<0.765	107	0.453	0.674	39.4	12.4	54.3	28.9	0.833	0.260	40.1	ND<0.765	ND<0.255	ND<0.765	45.4	127
B6-Surface	Surface	8/22/2014	ND<0.754	4.19	73.3	ND<0.251	ND<0.503	20.4	7.59	28.0	7.15	ND<0.0862	0.977	18.1	ND<0.754	ND<0.251	ND<0.754	45.0	61.7
B7-0.5	0.5	8/22/2014	5.61	ND<0.750	131	0.381	ND<0.500	43.8	13.2	952	44.3	0.0941	ND<0.250	1,070	ND<0.750	9.87	ND<0.750	51.5	182
B7-1	1	8/22/2014	22.4	9.97	242	ND<0.248	21.4	145	88.3	10,800	1,010	1,050	4.38	2,910	ND<0.743	1.92	ND<0.743	52.6	2,120
CCR Title 22 TTLC (mg/kg)			500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
CCR Title 22 STLC (mg/L)			15	5	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7	24	250
TCLP (mg/L)				5	100		1	5			5	0.2			1	5			

Notes:

Samples collected by FREY Environmental, Inc. on August 22, 2013.

Depth in feet below ground surface (bgs).

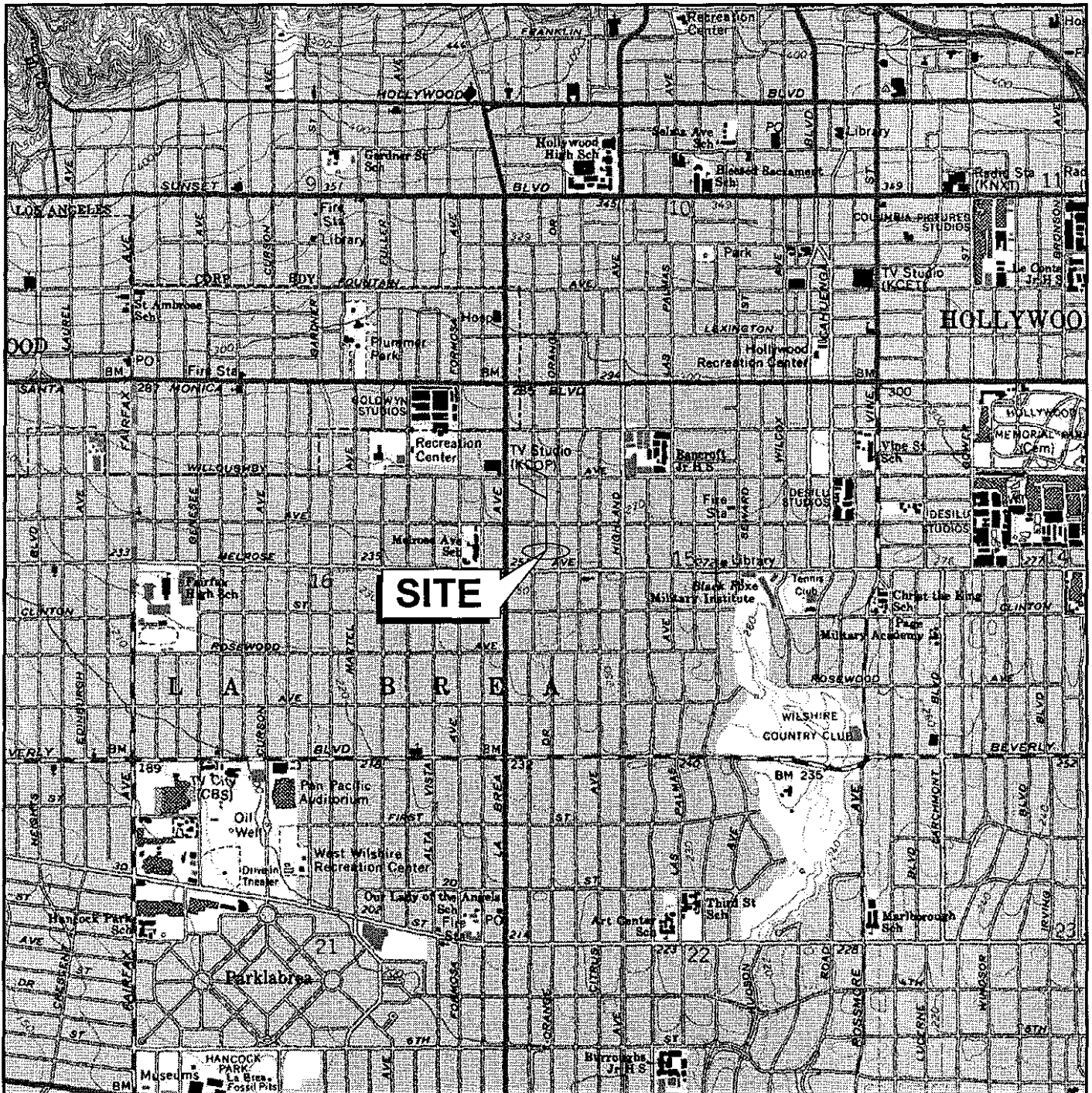
All soil samples were analyzed for Title 22 metals in accordance with EPA Method 6010B.

mg/kg = milligrams per kilogram. Mg/L = milligrams per liter.

ND<# - Indicates results less than the laboratory reporting limit, number indicates individual analyte reporting limit.

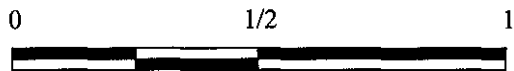
Red font - indicates the result is greater than the TTLC limit, and/or the result is 10 times greater than the STLC limit, and/or the result is 20 times greater than the TCLP limit.

FIGURES



NOTE:

1. Base map from USGS 7.5 minute Hollywood (dated 1966; Rev. 1981) California topographic quadrangle



APPROXIMATE SCALE IN MILES

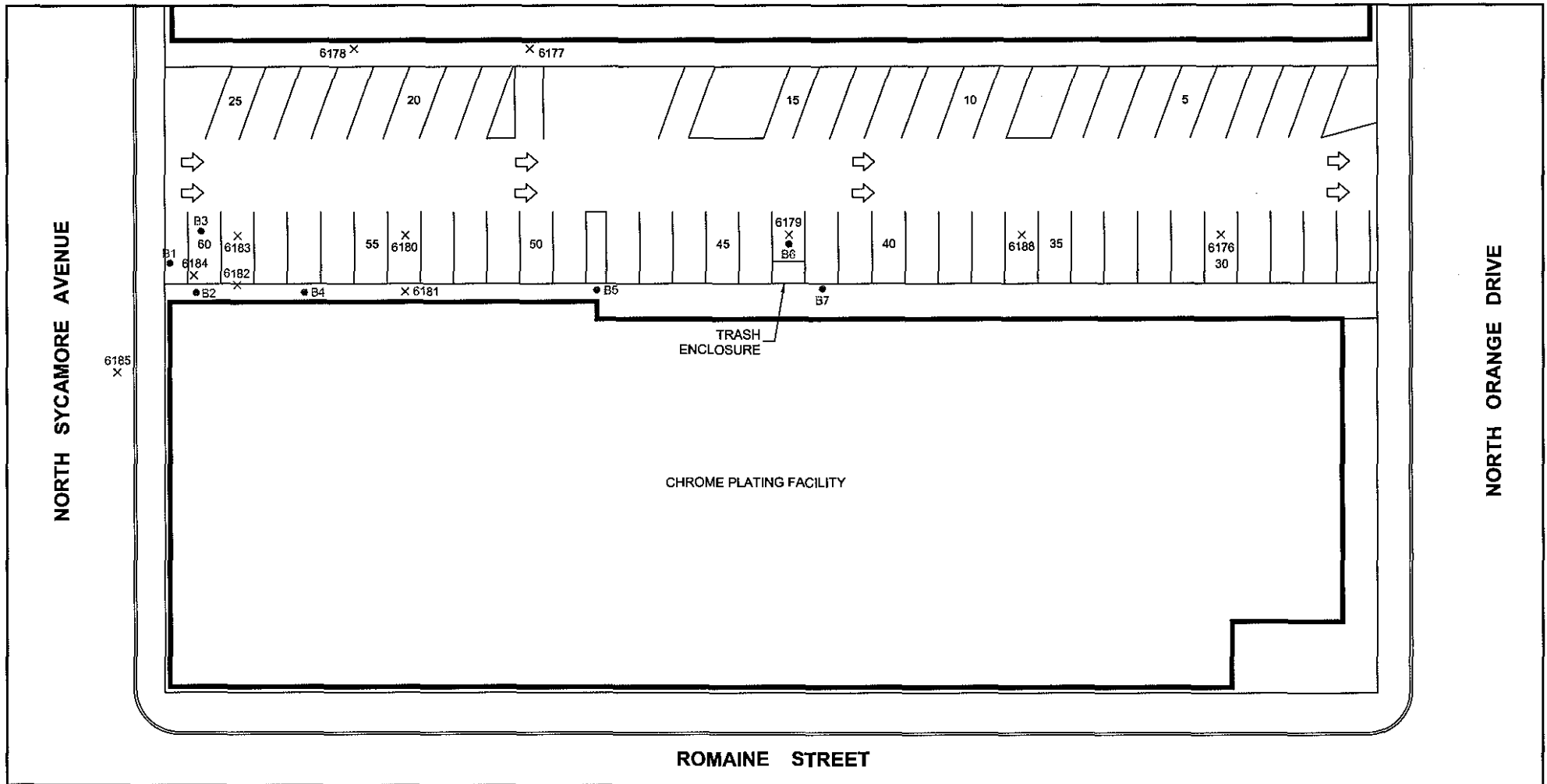


SITE LOCATION MAP

ORANGE SQUARE
 1009 NORTH ORANGE DRIVE
 LOS ANGELES, CALIFORNIA

FREY ENVIRONMENTAL, INC.

CLIENT: JARCO REAL ESTATE	PROJECT No.: 784-01	DATE: 09/2014
FILE NAME: 784-01-SL.DWG		FIGURE 1

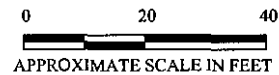


LEGEND

- 6176 X SURFACE SAMPLE LOCATION (BY ELLISON ON 7/18/14)
- 6181 X SURFACE SAMPLE LOCATION (BY ELLISON ON 7/18/14) (HIGH CHROMIUM)
- B5 • SOIL BORING LOCATION (BY FREY ON 8/22/14)
- 5 PARKING STALL NUMBERS

NOTES:

1. All locations and dimensions are approximate.
2. Site Sketch from Google Earth Aerial Photo.



**SITE SKETCH SHOWING
SAMPLE AND SOIL BORING
LOCATIONS**

ORANGE SQUARE
1009 NORTH ORANGE DRIVE
LOS ANGELES, CALIFORNIA

FREY ENVIRONMENTAL, INC.

CLIENT: JARCO REAL ESTATE	PROJECT No.: 784-01	DATE: 09/2014
FILE NAME: 784-01-ST.DWG		FIGURE 2

APPENDIX A
FIELD PROCEDURES

FIELD PROCEDURES

FREY Environmental, Inc.

A.1 Advancement and Sampling of Soil Borings B1 through B7

1. Soil borings B1 through B7 were advanced with a hand operated auger.
2. Soil samples from borings B1 through B7 were collected via grab sample.
3. At depths of 0.5 feet and 1 feet bgs, a grab sample was taken and placed into an eight ounce sample jar. The sample jar was capped and labeled.
4. All down hole equipment was cleaned by FREY personnel between sample intervals using a brush and tap water followed by a brush and TSP solution, a tap water rinse, and deionized water rinse. The augers were dried by air or with a towel prior to sampling.
5. Soil samples were placed in an ice chest cooled with ice.
6. The samples were delivered to the laboratory following collection. Sample handling, transport, and delivery to the laboratory were documented using Chain-of-Custody procedures, including the use of Chain-of-Custody forms.

APPENDIX B
LABORATORY REPORTS

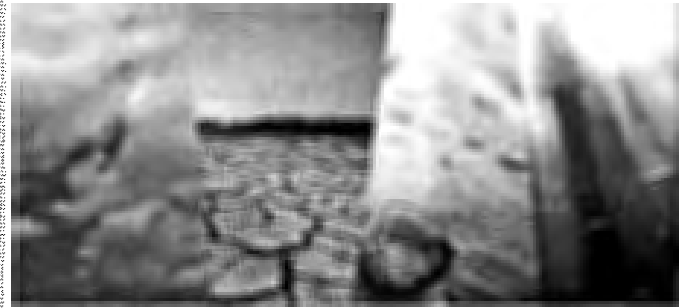


Calscience



WORK ORDER NUMBER: 14-08-1926

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Frey Environmental, Inc.

Client Project Name: Orange Square / 784-01

Attention: John Payne
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Approved for release on 09/05/2014 by:
Stephen Nowak
Project Manager

ResultLink ▶

Email your PM ▶



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Work Order Number: 14-08-1926

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7	Chain-of-Custody/Sample Receipt Form.	22

Work Order: 14-08-1926

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Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/26/14. They were assigned to Work Order 14-08-1926.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

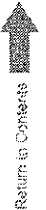
Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.





Sample Summary

Client: Frey Environmental, Inc.	Work Order: 14-08-1926
2817-A Lafayette Avenue	Project Name: Orange Square / 784-01
Newport Beach, CA 92663-3715	PO Number:
	Date/Time Received: 08/26/14 14:00
	Number of Containers: 8

Attn: John Payne

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B1-0.5	14-08-1926-1	08/22/14 07:35	1	Solid
B2-0.5	14-08-1926-2	08/22/14 07:55	1	Solid
B3-1	14-08-1926-3	08/22/14 10:33	1	Solid
B4-1	14-08-1926-4	08/22/14 10:51	1	Solid
B5-1	14-08-1926-5	08/22/14 12:11	1	Solid
B7-1	14-08-1926-6	08/22/14 08:33	1	Solid
B3-Surface	14-08-1926-7	08/22/14 10:18	1	Solid
B6-Surface	14-08-1926-8	08/22/14 11:02	1	Solid

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Analytical Report


Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/26/14
Work Order: 14-08-1926
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Orange Square / 784-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1-0.5	14-08-1926-1-A	08/22/14 07:35	Solid	ICP 7300	08/30/14	09/02/14 19:29	140830L02
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Antimony		ND		0.750	1.00		
Arsenic		2.56		0.750	1.00		
Barium		181		0.500	1.00		
Beryllium		0.329		0.250	1.00		
Cadmium		1.33		0.500	1.00		
Chromium		103		0.250	1.00		
Cobalt		7.70		0.250	1.00		
Copper		126		0.500	1.00		
Lead		463		0.500	1.00		
Molybdenum		1.82		0.250	1.00		
Nickel		86.1		0.250	1.00		
Selenium		ND		0.750	1.00		
Silver		153		0.250	1.00		
Thallium		ND		0.750	1.00		
Vanadium		34.4		0.250	1.00		
Zinc		758		1.00	1.00		


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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report


Frey Environmental, Inc.
 2817-A Lafayette Avenue
 Newport Beach, CA 92663-3715

Date Received: 08/26/14
 Work Order: 14-08-1926
 Preparation: EPA 3050B
 Method: EPA 6010B
 Units: mg/kg

Project: Orange Square / 784-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B2-0.5	14-08-1926-2-A	08/22/14 07:55	Solid	ICP 7300	08/30/14	09/02/14 19:32	140830L02
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Antimony		ND		0.758	1.01		
Arsenic		1.85		0.758	1.01		
Barium		120		0.505	1.01		
Beryllium		ND		0.253	1.01		
Cadmium		2.85		0.505	1.01		
Chromium		85.5		0.253	1.01		
Cobalt		7.27		0.253	1.01		
Copper		169		0.505	1.01		
Lead		267		0.505	1.01		
Molybdenum		3.02		0.253	1.01		
Nickel		107		0.253	1.01		
Selenium		ND		0.758	1.01		
Silver		156		0.253	1.01		
Thallium		ND		0.758	1.01		
Vanadium		20.3		0.253	1.01		
Zinc		970		1.01	1.01		



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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/26/14
Work Order: 14-08-1926
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Orange Square / 784-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3-1	14-08-1926-3-A	08/22/14 10:33	Solid	ICP 7300	08/30/14	09/02/14 19:33	140830L02
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>	
Antimony		ND		0.725	0.966		
Arsenic		ND		0.725	0.966		
Barium		87.5		0.483	0.966		
Beryllium		0.355		0.242	0.966		
Cadmium		ND		0.483	0.966		
Chromium		26.6		0.242	0.966		
Cobalt		12.1		0.242	0.966		
Copper		24.6		0.483	0.966		
Lead		16.9		0.483	0.966		
Molybdenum		ND		0.242	0.966		
Nickel		23.7		0.242	0.966		
Selenium		ND		0.725	0.966		
Silver		ND		0.242	0.966		
Thallium		ND		0.725	0.966		
Vanadium		40.7		0.242	0.966		
Zinc		58.1		0.966	0.966		

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

Frey Environmental, Inc.
 2817-A Lafayette Avenue
 Newport Beach, CA 92663-3715


Date Received: 08/26/14
 Work Order: 14-08-1926
 Preparation: EPA 3050B
 Method: EPA 6010B
 Units: mg/kg

Project: Orange Square / 784-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B4-1	14-08-1926-4-A	08/22/14 10:51	Solid	ICP 7300	08/30/14	09/02/14 19:34	140830L02

Parameter	Result	RL	DF	Qualifiers
Antimony	3.32	0.765	1.02	
Arsenic	4.20	0.765	1.02	
Barium	79.4	0.510	1.02	
Beryllium	0.356	0.255	1.02	
Cadmium	0.608	0.510	1.02	
Chromium	2350	0.255	1.02	
Cobalt	12.2	0.255	1.02	
Copper	451	0.510	1.02	
Lead	39.7	0.510	1.02	
Molybdenum	1.58	0.255	1.02	
Nickel	314	0.255	1.02	
Selenium	ND	0.765	1.02	
Silver	9.47	0.255	1.02	
Thallium	ND	0.765	1.02	
Vanadium	39.3	0.255	1.02	
Zinc	330	1.02	1.02	



 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

Frey Environmental, Inc.
 2817-A Lafayette Avenue
 Newport Beach, CA 92663-3715


Date Received: 08/26/14
 Work Order: 14-08-1926
 Preparation: EPA 3050B
 Method: EPA 6010B
 Units: mg/kg

Project: Orange Square / 784-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B5-1	14-08-1926-5-A	08/22/14 12:11	Solid	ICP 7300	08/30/14	09/02/14 19:35	140830L02

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.765	1.02	
Arsenic	ND	0.765	1.02	
Barium	107	0.510	1.02	
Beryllium	0.453	0.255	1.02	
Cadmium	0.674	0.510	1.02	
Chromium	39.4	0.255	1.02	
Cobalt	12.4	0.255	1.02	
Copper	54.3	0.510	1.02	
Lead	28.9	0.510	1.02	
Molybdenum	0.260	0.255	1.02	
Nickel	40.1	0.255	1.02	
Selenium	ND	0.765	1.02	
Silver	ND	0.255	1.02	
Thallium	ND	0.765	1.02	
Vanadium	45.4	0.255	1.02	
Zinc	127	1.02	1.02	



 Returns to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/26/14
Work Order: 14-08-1926
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Orange Square / 784-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B7-1	14-08-1926-6-A	08/22/14 08:33	Solid	ICP 7300	08/30/14	09/02/14 17:42	140830L02
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Antimony		22.4		0.743	0.990		
Arsenic		9.97		0.743	0.990		
Barium		242		0.495	0.990		
Beryllium		ND		0.248	0.990		
Cadmium		21.4		0.495	0.990		
Chromium		145		0.248	0.990		
Cobalt		88.3		0.248	0.990		
Lead		1010		0.495	0.990		
Molybdenum		4.38		0.248	0.990		
Nickel		2910		0.248	0.990		
Selenium		ND		0.743	0.990		
Silver		1.92		0.248	0.990		
Thallium		ND		0.743	0.990		
Vanadium		52.6		0.248	0.990		
Zinc		2120		0.990	0.990		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B7-1	14-08-1926-6-A	08/22/14 08:33	Solid	ICP 7300	08/30/14	09/02/14 19:36	140830L02
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Copper		10900		4.95	9.90		

Return to Contents ↑

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Analytical Report

Frey Environmental, Inc.
 2817-A Lafayette Avenue
 Newport Beach, CA 92663-3715

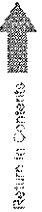
Date Received: 08/26/14
 Work Order: 14-08-1926
 Preparation: EPA 3050B
 Method: EPA 6010B
 Units: mg/kg

Project: Orange Square / 784-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B3-Surface	14-08-1926-7-A	08/22/14 10:18	Solid	ICP 7300	08/30/14	09/02/14 19:42	140830L02

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.735	0.980	
Arsenic	5.11	0.735	0.980	
Barium	105	0.490	0.980	
Beryllium	ND	0.245	0.980	
Cadmium	ND	0.490	0.980	
Chromium	17.8	0.245	0.980	
Cobalt	8.00	0.245	0.980	
Copper	46.6	0.490	0.980	
Lead	11.1	0.490	0.980	
Molybdenum	0.976	0.245	0.980	
Nickel	22.7	0.245	0.980	
Selenium	ND	0.735	0.980	
Silver	4.97	0.245	0.980	
Thallium	ND	0.735	0.980	
Vanadium	41.3	0.245	0.980	
Zinc	91.2	0.980	0.980	



RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report


Frey Environmental, Inc.
 2817-A Lafayette Avenue
 Newport Beach, CA 92663-3715

Date Received: 08/26/14
 Work Order: 14-08-1926
 Preparation: EPA 3050B
 Method: EPA 6010B
 Units: mg/kg

Project: Orange Square / 784-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B6-Surface	14-08-1926-8-A	08/22/14 11:02	Solid	ICP 7300	08/30/14	09/02/14 19:43	140830L02
<u>Parameter</u>		<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Qualifiers</u>
Antimony		ND		0.754	1.01		
Arsenic		4.19		0.754	1.01		
Barium		73.3		0.503	1.01		
Beryllium		ND		0.251	1.01		
Cadmium		ND		0.503	1.01		
Chromium		20.4		0.251	1.01		
Cobalt		7.59		0.251	1.01		
Copper		28.0		0.503	1.01		
Lead		7.15		0.503	1.01		
Molybdenum		0.977		0.251	1.01		
Nickel		18.1		0.251	1.01		
Selenium		ND		0.754	1.01		
Silver		ND		0.251	1.01		
Thallium		ND		0.754	1.01		
Vanadium		45.0		0.251	1.01		
Zinc		61.7		1.01	1.01		



 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715


Date Received: 08/26/14
Work Order: 14-08-1926
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: Orange Square / 784-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-002-18881	N/A	Solid	ICP 7300	08/30/14	09/02/14 19:26	140830L02

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	ND	0.750	1.00	
Barium	ND	0.500	1.00	
Beryllium	ND	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	ND	0.250	1.00	
Cobalt	ND	0.250	1.00	
Copper	ND	0.500	1.00	
Lead	ND	0.500	1.00	
Molybdenum	ND	0.250	1.00	
Nickel	ND	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	ND	0.250	1.00	
Zinc	ND	1.00	1.00	


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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

Frey Environmental, Inc.
 2817-A Lafayette Avenue
 Newport Beach, CA 92663-3715

Date Received: 08/26/14
 Work Order: 14-08-1926
 Preparation: EPA 7471A Total
 Method: EPA 7471A
 Units: mg/kg

Project: Orange Square / 784-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B1-0.5	14-08-1926-1-A	08/22/14 07:35	Solid	Mercury 05	09/02/14	09/02/14 17:35	140902L03
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		0.630		0.0833		1.00	
B2-0.5	14-08-1926-2-A	08/22/14 07:55	Solid	Mercury 05	09/02/14	09/02/14 17:42	140902L03
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		0.236		0.0833		1.00	
B3-1	14-08-1926-3-A	08/22/14 10:33	Solid	Mercury 05	09/02/14	09/02/14 17:44	140902L03
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		0.148		0.0847		1.00	
B4-1	14-08-1926-4-A	08/22/14 10:51	Solid	Mercury 05	09/02/14	09/02/14 17:51	140902L03
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		0.156		0.0847		1.00	
B5-1	14-08-1926-5-A	08/22/14 12:11	Solid	Mercury 05	09/02/14	09/02/14 17:53	140902L03
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		0.833		0.0833		1.00	
B7-1	14-08-1926-6-A	08/22/14 08:33	Solid	Mercury 05	09/02/14	09/03/14 13:37	140902L03
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		1050		83.3		1000	
B3-Surface	14-08-1926-7-A	08/22/14 10:18	Solid	Mercury 05	09/02/14	09/02/14 17:57	140902L03
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		0.727		0.0806		1.00	
B6-Surface	14-08-1926-8-A	08/22/14 11:02	Solid	Mercury 05	09/02/14	09/02/14 18:00	140902L03
<u>Parameter</u>		<u>Result</u>		<u>RL</u>		<u>DF</u>	<u>Qualifiers</u>
Mercury		ND		0.0862		1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Analytical Report

Frey Environmental, Inc.
 2817-A Lafayette Avenue
 Newport Beach, CA 92663-3715

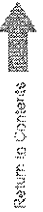
Date Received: 08/26/14
 Work Order: 14-08-1926
 Preparation: EPA 7471A Total
 Method: EPA 7471A
 Units: mg/kg

Project: Orange Square / 784-01

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Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-16-272-534	N/A	Solid	Mercury 05	09/02/14	09/02/14 17:31	140902L03

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qualifiers</u>
Mercury	ND	0.0833	1.00	



RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Quality Control - Spike/Spike Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 08/26/14
Work Order: 14-08-1926
Preparation: EPA 3050B
Method: EPA 6010B

Project: Orange Square / 784-01

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B1-0.5	Sample	Solid	ICP 7300	08/30/14	09/02/14 19:29	140830S02
B1-0.5	Matrix Spike	Solid	ICP 7300	08/30/14	09/02/14 19:30	140830S02
B1-0.5	Matrix Spike Duplicate	Solid	ICP 7300	08/30/14	09/02/14 19:31	140830S02

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	8.150	33	7.771	31	50-115	5	0-20	3
Arsenic	2.560	25.00	28.07	102	27.56	100	75-125	2	0-20	
Barium	180.6	25.00	179.1	4X	183.1	4X	75-125	4X	0-20	Q
Beryllium	0.3293	25.00	25.69	101	25.20	99	75-125	2	0-20	
Cadmium	1.332	25.00	26.56	101	26.43	100	75-125	0	0-20	
Chromium	102.7	25.00	111.8	4X	129.4	4X	75-125	4X	0-20	Q
Cobalt	7.701	25.00	33.61	104	33.30	102	75-125	1	0-20	
Copper	126.0	25.00	133.7	4X	143.7	4X	75-125	4X	0-20	Q
Lead	463.1	25.00	448.6	4X	536.5	4X	75-125	4X	0-20	Q
Molybdenum	1.819	25.00	24.94	92	24.64	91	75-125	1	0-20	
Nickel	86.14	25.00	96.14	40	102.5	65	75-125	6	0-20	3
Selenium	ND	25.00	22.37	89	22.35	89	75-125	0	0-20	
Silver	152.5	12.50	155.1	4X	157.1	4X	75-125	4X	0-20	Q
Thallium	ND	25.00	20.54	82	20.30	81	75-125	1	0-20	
Vanadium	34.39	25.00	54.83	82	56.22	87	75-125	3	0-20	
Zinc	758.4	25.00	675.8	4X	746.7	4X	75-125	4X	0-20	Q

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RPD: Relative Percent Difference. CL: Control Limits



Quality Control - Spike/Spike Duplicate

Frey Environmental, Inc.
 2817-A Lafayette Avenue
 Newport Beach, CA 92663-3715

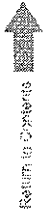
Date Received: 08/26/14
 Work Order: 14-08-1926
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: Orange Square / 784-01

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B1-0.5	Sample	Solid	Mercury 05	09/02/14	09/02/14 17:35	140902S03
B1-0.5	Matrix Spike	Solid	Mercury 05	09/02/14	09/03/14 16:30	140902S03
B1-0.5	Matrix Spike Duplicate	Solid	Mercury 05	09/02/14	09/02/14 17:39	140902S03

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.6303	0.8350	1.063	52	1.227	71	71-137	14	0-14	3



RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715


Date Received: 08/26/14
Work Order: 14-08-1926
Preparation: EPA 3050B
Method: EPA 6010B

Project: Orange Square / 784-01

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number	
097-01-002-18881	LCS	Solid	ICP 7300	08/30/14	09/02/14 19:27	140830L02	
Parameter		Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony		25.00	27.63	111	80-120	73-127	
Arsenic		25.00	26.50	106	80-120	73-127	
Barium		25.00	26.99	108	80-120	73-127	
Beryllium		25.00	25.66	103	80-120	73-127	
Cadmium		25.00	28.06	112	80-120	73-127	
Chromium		25.00	27.92	112	80-120	73-127	
Cobalt		25.00	29.88	120	80-120	73-127	
Copper		25.00	27.69	111	80-120	73-127	
Lead		25.00	27.63	111	80-120	73-127	
Molybdenum		25.00	26.90	108	80-120	73-127	
Nickel		25.00	28.94	116	80-120	73-127	
Selenium		25.00	24.26	97	80-120	73-127	
Silver		12.50	13.92	111	80-120	73-127	
Thallium		25.00	28.03	112	80-120	73-127	
Vanadium		25.00	26.91	108	80-120	73-127	
Zinc		25.00	26.56	106	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass



Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Quality Control - LCS

Frey Environmental, Inc.
 2817-A Lafayette Avenue
 Newport Beach, CA 92663-3715

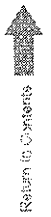
Date Received: 08/26/14
 Work Order: 14-08-1926
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: Orange Square / 784-01

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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-272-534	LCS	Solid	Mercury 05	09/02/14	09/02/14 17:33	140902L03

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.8561	103	85-121	



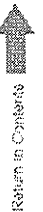
RPD: Relative Percent Difference. CL: Control Limits

Sample Analysis Summary Report

Work Order: 14-08-1926

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<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3050B	469	ICP 7300	1
EPA 6010B	EPA 3050B	915	ICP 7300	1
EPA 7471A	EPA 7471A Total	915	Mercury 05	1



Location 1: 7440 Lincoln Way, Garden Grove, CA 92841



Calscience

Glossary of Terms and Qualifiers

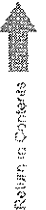
Work Order: 14-08-1926

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<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDS or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.





Calscience Environmental Laboratories, Inc.

7440 Lincoln Way
 Garden Grove, CA 92841-1427
 TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 8/25/14
 Page 1 of 1

LABORATORY CLIENT: FREY ENVIRONMENTAL, INC.				CLIENT PROJECT NAME / NUMBER: <i>Orange Square</i>				P.O. NO.: <i>784-01</i>																															
ADDRESS: 2817-A LAFAYETTE AVENUE				PROJECT CONTACT: <i>John Payne</i>				LAB USE ONLY 14-08-1926																															
CITY NEWPORT BEACH,		STATE CA		ZIP 92663-3715		SAMPLER(S): (PRINT) <i>B. Fieldstein</i>		COELT LOG CODE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		COOLER RECEIPT TEMP= _____ °C																													
TEL: 949/723-1645		FAX: 949/723/1854		E-Mail: <i>johnpayne@freyinc.com</i>		REQUESTED ANALYSES																																	
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input type="checkbox"/> 72 HR <input checked="" type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS						<table border="1"> <tr> <th>TPH (G)</th> <th>TPH (D) or</th> <th>BTEX / MTBE (8021B)</th> <th>HALOCARBONS (8021B)</th> <th>BTEX / OXYGENATES</th> <th>VOCs (8260B)</th> <th>VOCs+(5035 / 8260B) EnCore</th> <th>SVOCs (8270C)</th> <th>PEST (8181A)</th> <th>PCBs (8082)</th> <th>EDB / DBCP (504.1) or (8011)</th> <th>CAC, T22 METALS (6010B)</th> <th>PNAs (8310)</th> <th>VOCs (TO-14A) or (TO-15)</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> </tr> </table>						TPH (G)	TPH (D) or	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	BTEX / OXYGENATES	VOCs (8260B)	VOCs+(5035 / 8260B) EnCore	SVOCs (8270C)	PEST (8181A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	PNAs (8310)	VOCs (TO-14A) or (TO-15)												X		
TPH (G)	TPH (D) or	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	BTEX / OXYGENATES	VOCs (8260B)							VOCs+(5035 / 8260B) EnCore	SVOCs (8270C)	PEST (8181A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	PNAs (8310)	VOCs (TO-14A) or (TO-15)																				
																	X																						
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING <input type="checkbox"/> COELT REPORTING																																							
SPECIAL INSTRUCTIONS:																																							
LAB USE ONLY	GEIMS ID	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.																																	
			DATE	TIME																																			
1		B1-0.5	8/22/14	7:35	S	1																																	
2		B2-0.5		7:55																																			
3		B3-1		10:33																																			
4		B4-1		10:51																																			
5		B5-1		12:11																																			
		B7-0.5 MB		8:13																																			
6		B7-1		8:23																																			
7		B3-surface		10:18	Surph																																		
8		B6-surface		11:02	Surph																																		
Relinquished by: (Signature) <i>[Signature]</i>						Received by: (Signature/Affiliation) <i>[Signature]</i> EEP				Date: <i>8/20/14</i>		Time: <i>1230</i>																											
Relinquished by: (Signature) <i>[Signature]</i>						Received by: (Signature/Affiliation) <i>[Signature]</i> ECI				Date: <i>8/26/14</i>		Time: <i>1400</i>																											
Relinquished by: (Signature) _____						Received by: (Signature/Affiliation) _____				Date: _____		Time: _____																											

DISTRIBUTION: White with final report, Green and Yellow to Client.
 Please note that pages 1 and 2 of 2 of our T/ICs are printed on the reverse side of the green and yellow copies respectively.

0808-898-714-898-9702

Calscience

WORK ORDER #: 14-08-1926

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: FLCY

DATE: 08/26/14

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Temperature 2.9 °C - 0.3°C (CF) = 2.6 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter

Checked by: 678

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A

Sample _____ No (Not Intact) Not Present

Checked by: 678

Checked by: 603

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfides <input type="checkbox"/> Dissolved Oxygen.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® Z

Aqueous: VOA VOA_h VOA_{na2} 125AGB 125AGB_h 125AGB_p 1AGB 1AGB_{na2} 1AGB_s

500AGB 500AGJ 500AGJ_s 250AGB 250CGB 250CGB_s 1PB 1PB_{na} 500PB

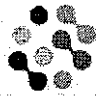
250PB 250PB_n 125PB 125PB_{znna} 100PJ 100PJ_{na2} _____ _____ _____

Air: Tedlar® Canister Other: _____ Trip Blank Lot#: _____ Labeled/Checked by: 603

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 866

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure znna: ZnAc₂+NaOH f: Filtered Scanned by: 603

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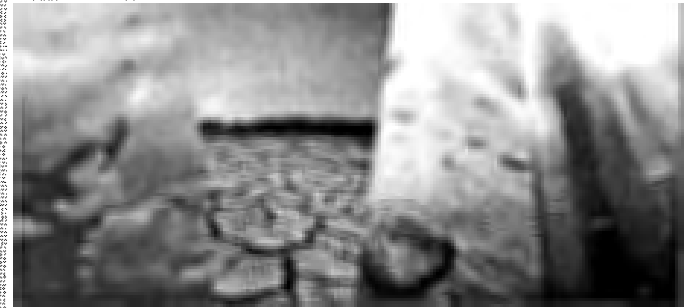
eurofins

Calscience



WORK ORDER NUMBER: 14-09-0272

The difference is service



AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Frey Environmental, Inc.

Client Project Name: Orange Square / 784-01

Attention: John Payne
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Approved for release on 09/10/2014 by:
Stephen Nowak
Project Manager

ResultLink →

Email your PM →



Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

Contents

Client Project Name: Orange Square / 784-01
Work Order Number: 14-09-0272

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4	Quality Control Sample Data.	8
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7	Chain-of-Custody/Sample Receipt Form.	14

Work Order: 14-09-0272

Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 09/04/14. They were assigned to Work Order 14-09-0272.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

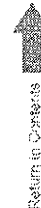
Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.





Sample Summary

Client: Frey Environmental, Inc. 2817-A Lafayette Avenue Newport Beach, CA 92663-3715	Work Order: 14-09-0272 Project Name: Orange Square / 784-01 PO Number: Date/Time Received: 09/04/14 14:00 Number of Containers: 1
---	---

Attn: John Payne

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B7-0.5	14-09-0272-1	08/22/14 08:13	1	Solid



Analytical Report

Frey Environmental, Inc.
 2817-A Lafayette Avenue
 Newport Beach, CA 92663-3715


Date Received: 09/04/14
 Work Order: 14-09-0272
 Preparation: EPA 3050B
 Method: EPA 6010B
 Units: mg/kg

Project: Orange Square / 784-01

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B7-0.5	14-09-0272-1-A	08/22/14 08:13	Solid	ICP 7300	09/05/14	09/10/14 13:49	140905L05

Parameter	Result	RL	DF	Qualifiers
Antimony	5.61	0.750	1.00	
Arsenic	ND	0.750	1.00	
Barium	131	0.500	1.00	
Beryllium	0.381	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	43.8	0.250	1.00	
Cobalt	13.2	0.250	1.00	
Copper	952	0.500	1.00	
Lead	44.3	0.500	1.00	
Molybdenum	ND	0.250	1.00	
Nickel	1070	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	9.87	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	51.5	0.250	1.00	
Zinc	182	1.00	1.00	



 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

Frey Environmental, Inc.
 2817-A Lafayette Avenue
 Newport Beach, CA 92663-3715


Date Received: 09/04/14
 Work Order: 14-09-0272
 Preparation: EPA 3050B
 Method: EPA 6010B
 Units: mg/kg

Project: Orange Square / 784-01

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	097-01-002-18934	N/A	Solid	ICP 7300	09/05/14	09/08/14 19:46	140905L05

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	ND	0.750	1.00	
Barium	ND	0.500	1.00	
Beryllium	ND	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	ND	0.250	1.00	
Cobalt	ND	0.250	1.00	
Copper	ND	0.500	1.00	
Lead	ND	0.500	1.00	
Molybdenum	ND	0.250	1.00	
Nickel	ND	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	ND	0.250	1.00	
Zinc	ND	1.00	1.00	


 Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Analytical Report

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 09/04/14
Work Order: 14-09-0272
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Project: Orange Square / 784-01

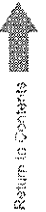
Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B7-0.5	14-09-0272-1-A	08/22/14 08:13	Solid	Mercury 04	09/08/14	09/08/14 17:27	140908L04

Parameter	Result	RL	DF	Qualifiers
Mercury	0.0941	0.0833	1.00	

Method Blank	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-16-272-549	N/A	Solid	Mercury 04	09/08/14	09/08/14 17:23	140908L04

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	



RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.



Calscience

Quality Control - Spike/Spike Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 09/04/14
Work Order: 14-09-0272
Preparation: EPA 3050B
Method: EPA 6010B

Project: Orange Square / 784-01

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-08-2204-1	Sample	Solid	ICP 7300	09/05/14	09/08/14 20:40	140905S05
14-08-2204-1	Matrix Spike	Solid	ICP 7300	09/05/14	09/08/14 20:32	140905S05
14-08-2204-1	Matrix Spike Duplicate	Solid	ICP 7300	09/05/14	09/08/14 20:38	140905S05

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	7.917	32	11.38	46	50-115	36	0-20	3,4
Arsenic	ND	25.00	24.40	98	27.30	109	75-125	11	0-20	
Barium	101.8	25.00	115.8	4X	121.6	4X	75-125	4X	0-20	Q
Beryllium	0.3300	25.00	24.73	98	26.52	105	75-125	7	0-20	
Cadmium	ND	25.00	24.67	99	25.81	103	75-125	5	0-20	
Chromium	47.17	25.00	70.19	92	74.79	110	75-125	6	0-20	
Cobalt	12.87	25.00	36.38	94	38.08	101	75-125	5	0-20	
Copper	15.75	25.00	39.90	97	42.46	107	75-125	6	0-20	
Lead	2.253	25.00	26.59	97	28.40	105	75-125	7	0-20	
Molybdenum	ND	25.00	20.16	81	22.98	92	75-125	13	0-20	
Nickel	87.57	25.00	105.1	70	109.1	86	75-125	4	0-20	3
Selenium	ND	25.00	21.54	86	23.60	94	75-125	9	0-20	
Silver	ND	12.50	12.96	104	13.40	107	75-125	3	0-20	
Thallium	ND	25.00	21.87	87	23.40	94	75-125	7	0-20	
Vanadium	46.85	25.00	65.07	73	70.87	96	75-125	9	0-20	3
Zinc	32.50	25.00	55.36	91	57.88	102	75-125	4	0-20	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Quality Control - Spike/Spike Duplicate

Frey Environmental, Inc.
2817-A Lafayette Avenue
Newport Beach, CA 92663-3715

Date Received: 09/04/14
Work Order: 14-09-0272
Preparation: EPA 7471A Total
Method: EPA 7471A

Project: Orange Square / 784-01

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number				
B7-0.5	Sample	Solid	Mercury 04	09/08/14	09/08/14 17:27	140908S04				
B7-0.5	Matrix Spike	Solid	Mercury 04	09/08/14	09/08/14 17:29	140908S04				
B7-0.5	Matrix Spike Duplicate	Solid	Mercury 04	09/08/14	09/08/14 17:31	140908S04				
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	0.09413	0.8350	1.077	118	0.9257	100	71-137	15	0-14	4

Return to Customer

RPD: Relative Percent Difference. CL: Control Limits

Quality Control - LCS

Frey Environmental, Inc.
 2817-A Lafayette Avenue
 Newport Beach, CA 92663-3715

Date Received: 09/04/14
 Work Order: 14-09-0272
 Preparation: EPA 3050B
 Method: EPA 6010B


Project: Orange Square / 784-01

Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-18934	LCS	Solid	ICP 7300	09/05/14	09/08/14 19:51	140905L05

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	26.02	104	80-120	73-127	
Arsenic	25.00	25.07	100	80-120	73-127	
Barium	25.00	25.20	101	80-120	73-127	
Beryllium	25.00	24.78	99	80-120	73-127	
Cadmium	25.00	26.34	105	80-120	73-127	
Chromium	25.00	26.53	106	80-120	73-127	
Cobalt	25.00	27.98	112	80-120	73-127	
Copper	25.00	26.28	105	80-120	73-127	
Lead	25.00	26.33	105	80-120	73-127	
Molybdenum	25.00	25.51	102	80-120	73-127	
Nickel	25.00	27.54	110	80-120	73-127	
Selenium	25.00	22.98	92	80-120	73-127	
Silver	12.50	13.25	106	80-120	73-127	
Thallium	25.00	26.59	106	80-120	73-127	
Vanadium	25.00	25.08	100	80-120	73-127	
Zinc	25.00	25.63	103	80-120	73-127	

Total number of LCS compounds: 16
 Total number of ME compounds: 0
 Total number of ME compounds allowed: 1
 LCS ME CL validation result: Pass


 Return to Contents

RPD: Relative Percent Difference. CL: Control Limits



Quality Control - LCS

Frey Environmental, Inc.
 2817-A Lafayette Avenue
 Newport Beach, CA 92663-3715

Date Received: 09/04/14
 Work Order: 14-09-0272
 Preparation: EPA 7471A Total
 Method: EPA 7471A

Project: Orange Square / 784-01

Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-272-549	LCS	Solid	Mercury 04	09/08/14	09/08/14 17:25	140908L04

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.8486	102	85-121	

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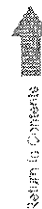
RPD: Relative Percent Difference. CL: Control Limits

Sample Analysis Summary Report

Work Order: 14-09-0272

Page 1 of 1

<u>Method</u>	<u>Extraction</u>	<u>Chemist ID</u>	<u>Instrument</u>	<u>Analytical Location</u>
EPA 6010B	EPA 3050B	469	ICP 7300	1
EPA 7471A	EPA 7471A Total	915	Mercury 04	1



Location 1: 7440 Lincoln Way, Garden Grove, CA 92841



Calscience

Glossary of Terms and Qualifiers

Work Order: 14-09-0272

Page 1 of 1

<u>Qualifiers</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of ≤ 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience Environmental Laboratories, Inc.

7440 Lincoln Way
Garden Grove, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date: 9/2/14
Page: 1 of 1

LABORATORY CLIENT: FREY ENVIRONMENTAL, INC.					CLIENT PROJECT NAME / NUMBER: <u>Orange Square</u>					P.O. NO.: <u>784-01</u>																																
ADDRESS: 2817-A LAFAYETTE AVENUE					PROJECT CONTACT: <u>John Payne</u>					14-09-0272																																
CITY: NEWPORT BEACH,		STATE: CA		ZIP: 92663-3715			SAMPLER(S): (PRINT)								COELT LOG CODE																											
TEL: 949/723-1645		FAX: 949/723/1854		E-Mail: <u>JohnPayne@freyinc.com</u>						COOLER RECEIPT																																
TURNAROUND TIME: <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HR <input type="checkbox"/> 48 HR <input checked="" type="checkbox"/> 72 HR <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS					REQUESTED ANALYSES																																					
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) <input type="checkbox"/> RWQCB REPORTING <input type="checkbox"/> COELT REPORTING					<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>TPH (G)</th> <th>TPH (D) or</th> <th>BTEX / MTBE (8021B)</th> <th>HALOCARBONS (8021B)</th> <th>BTEX / OXYGENATES</th> <th>VOCs (8260B)</th> <th>VOCs+(5035 / 8260B) EnCore</th> <th>SVOCs (8270C)</th> <th>PEST (8181A)</th> <th>PCBs (8082)</th> <th>EDB / DBCP (504.1) or (8011)</th> <th>CAC, T22 METALS (6010B)</th> <th>PNA's (8310)</th> <th>VOCs (TO-14A) or (TO-15)</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> </table>										TPH (G)	TPH (D) or	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	BTEX / OXYGENATES	VOCs (8260B)	VOCs+(5035 / 8260B) EnCore	SVOCs (8270C)	PEST (8181A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	PNA's (8310)	VOCs (TO-14A) or (TO-15)												X		
TPH (G)	TPH (D) or	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	BTEX / OXYGENATES											VOCs (8260B)	VOCs+(5035 / 8260B) EnCore	SVOCs (8270C)	PEST (8181A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	PNA's (8310)	VOCs (TO-14A) or (TO-15)																			
											X																															
SPECIAL INSTRUCTIONS:																																										
LAB USE ONLY	GEIMS ID	SAMPLE ID	SAMPLING		MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or	BTEX / MTBE (8021B)	HALOCARBONS (8021B)	BTEX / OXYGENATES	VOCs (8260B)	VOCs+(5035 / 8260B) EnCore	SVOCs (8270C)	PEST (8181A)	PCBs (8082)	EDB / DBCP (504.1) or (8011)	CAC, T22 METALS (6010B)	PNA's (8310)	VOCs (TO-14A) or (TO-15)																						
			DATE	TIME																																						
		B7-0.5	9/2/14	8:13																																						
Relinquished by: (Signature) <u>[Signature]</u>						Received by: (Signature/Affiliation) <u>[Signature] ECI</u>						Date: <u>9/4/14</u>		Time: <u>1300</u>																												
Relinquished by: (Signature) <u>[Signature]</u>						Received by: (Signature/Affiliation) <u>[Signature]</u>						Date: <u>9/4/14</u>		Time: <u>1400</u>																												
Relinquished by: (Signature)						Received by: (Signature/Affiliation)						Date:		Time:																												

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the green and yellow copies respectively.

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05/01/07 Revision

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Calscience

WORK ORDER #: 14-09-0272

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Frey

DATE: 09/04/14

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Temperature 2.4 °C - 0.3°C (CF) = 2.1 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____)

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter

Checked by: 802

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Checked by: 802

Sample _____ No (Not Intact) Not Present Checked by: 802

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aqueous samples received within 15-minute holding time			
<input type="checkbox"/> pH <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> Dissolved Sulfides <input type="checkbox"/> Dissolved Oxygen.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____

Aqueous: VOA VOA_h VOA_{na2} 125AGB 125AGB_h 125AGB_p 1AGB 1AGB_{na2} 1AGB_s

500AGB 500AGJ 500AGJ_s 250AGB 250CGB 250CGB_s 1PB 1PB_{na} 500PB

250PB 250PB_n 125PB 125PB_{znna} 100PJ 100PJ_{na2} _____ _____ _____

Air: Tedlar® Canister Other: _____ Trip Blank Lot#: _____ Labeled/Checked by: 802

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: 778

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure znna: ZnAc₂+NaOH f: Filtered Scanned by: 778

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