McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2211G11

Report Created for: Contra Costa-Hazardous Materials

4585 Pacheco Blvd., Ste 100
Martinez, CA 94553

Project Contact: Sara Dwight
Project P.O.: #023961
Project: MRC

Project Received: 11/28/2022

Note: CCH wipe sample data samples 1,2,6 and 7 are collected from a 12"x12" surface area and reported in micrograms per sample wipe. Others are bulk aproxamatly 60"x30".

Analytical Report reviewed & approved for release on 11/29/2022 by:

Jennifer Lagerbom
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.

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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Contra Costa-Hazardous Materials **WorkOrder:** 2211G11

Project: MRC

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016.
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting limit is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: Contra Costa-Hazardous Materials **WorkOrder:** 2211G11

Project: MRC

Analytical Qualifiers

a22	Reporting limit raised due to increased prep factor because of physical size of ghost wipe.

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Case Narrative

Client: Contra Costa-Hazardous Materials
Project: MRC

Work Order: 2211G11
November 29, 2022

Al2O3 is estimated from the Al data determined by E6020B. It is assumed that all the Aluminum detected is in the form of Al2O3.

Sample ID	Al2O3 ug/wipe
2211G11-001A	11,112
2211G11-002A	24,656
2211G11-003A	106,680
2211G11-004A	73,144
2211G11-005A	2,501
2211G11-006A	ND<189

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Analytical Report

Client:	Contra Costa-Hazardous Materials	**WorkOrder:**	2211G11
Date Received:	11/28/2022 9:55	**Extraction Method:**	SW3050B
Date Prepared:	11/28/2022	**Analytical Method:**	SW6020
Project:	MRC	**Unit:**	µg/wipe

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
D-1 Community Sample	2211G11-001A	Wipe	11/26/2022 11:55	ICP-MS5 106SMPL.d	259077

Analytes	Result	RL	DF	Date Analyzed
Aluminum	**5900**	100	1	11/29/2022 09:57
Antimony	**1.1**	1.0	1	11/29/2022 09:57
Arsenic	ND	1.0	1	11/29/2022 09:57
Barium	**39**	10	1	11/29/2022 09:57
Beryllium	ND	1.0	1	11/29/2022 09:57
Cadmium	ND	0.50	1	11/29/2022 09:57
Chromium	**5.7**	1.0	1	11/29/2022 09:57
Cobalt	**1.1**	1.0	1	11/29/2022 09:57
Copper	**14**	1.0	1	11/29/2022 09:57
Lead	**6.9**	1.0	1	11/29/2022 09:57
Mercury	**0.10**	0.10	1	11/29/2022 09:57
Molybdenum	ND	1.0	1	11/29/2022 09:57
Nickel	**17**	1.0	1	11/29/2022 09:57
Selenium	ND	1.0	1	11/29/2022 09:57
Silver	ND	1.0	1	11/29/2022 09:57
Thallium	ND	1.0	1	11/29/2022 09:57
Vanadium	**52**	1.0	1	11/29/2022 09:57
Zinc	**130**	10	1	11/29/2022 09:57

Surrogates	REC (%)	Limits	
Terbium	104	70-130	11/29/2022 09:57

Analyst(s): WV

Analytical Comments: a22

(Cont.)

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Analytical Report

Client:	Contra Costa-Hazardous Materials	**WorkOrder:**	2211G11
Date Received:	11/28/2022 9:55	**Extraction Method:**	SW3050B
Date Prepared:	11/28/2022	**Analytical Method:**	SW6020
Project:	MRC	**Unit:**	µg/wipe

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
D-2 Community Sample	2211G11-002A	Wipe	11/26/2022 12:00	ICP-MS4 156SMPL.d	259077

Analytes	Result	RL	DF	Date Analyzed
Aluminum	**13,000**	500	5	11/29/2022 13:33
Antimony	**1.6**	1.0	1	11/29/2022 10:01
Arsenic	**1.1**	1.0	1	11/29/2022 10:01
Barium	**61**	10	1	11/29/2022 10:01
Beryllium	ND	1.0	1	11/29/2022 10:01
Cadmium	ND	0.50	1	11/29/2022 10:01
Chromium	**9.5**	1.0	1	11/29/2022 10:01
Cobalt	**2.4**	1.0	1	11/29/2022 10:01
Copper	**24**	1.0	1	11/29/2022 10:01
Lead	**12**	1.0	1	11/29/2022 10:01
Mercury	ND	0.10	1	11/29/2022 10:01
Molybdenum	**2.0**	1.0	1	11/29/2022 10:01
Nickel	**40**	1.0	1	11/29/2022 10:01
Selenium	ND	1.0	1	11/29/2022 10:01
Silver	ND	1.0	1	11/29/2022 10:01
Thallium	ND	1.0	1	11/29/2022 10:01
Vanadium	**130**	1.0	1	11/29/2022 10:01
Zinc	**180**	10	1	11/29/2022 10:01

Surrogates	REC (%)	Limits	
Terbium	101	70-130	11/29/2022 10:01

Analyst(s): WV

Analytical Comments: a22

(Cont.)

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Analytical Report

Client:	Contra Costa-Hazardous Materials	**WorkOrder:**	2211G11
Date Received:	11/28/2022 9:55	**Extraction Method:**	SW3050B
Date Prepared:	11/28/2022	**Analytical Method:**	SW6020
Project:	MRC	**Unit:**	µg/wipe

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
D-4 Community Sample	2211G11-003A	Wipe	11/26/2022 12:34	ICP-MS4 157SMPL.d	259077

Analytes	Result	RL	DF	Date Analyzed
Aluminum	**56,000**	2000	20	11/29/2022 13:37
Antimony	**2.8**	1.0	1	11/29/2022 10:04
Arsenic	**2.7**	1.0	1	11/29/2022 10:04
Barium	**140**	10	1	11/29/2022 10:04
Beryllium	ND	1.0	1	11/29/2022 10:04
Cadmium	ND	0.50	1	11/29/2022 10:04
Chromium	**27**	1.0	1	11/29/2022 10:04
Cobalt	**8.5**	1.0	1	11/29/2022 10:04
Copper	**55**	1.0	1	11/29/2022 10:04
Lead	**36**	1.0	1	11/29/2022 10:04
Mercury	**0.13**	0.10	1	11/29/2022 10:04
Molybdenum	**5.2**	1.0	1	11/29/2022 10:04
Nickel	**160**	1.0	1	11/29/2022 10:04
Selenium	**4.2**	1.0	1	11/29/2022 10:04
Silver	ND	1.0	1	11/29/2022 10:04
Thallium	ND	1.0	1	11/29/2022 10:04
Vanadium	**540**	1.0	1	11/29/2022 10:04
Zinc	**370**	10	1	11/29/2022 10:04

Surrogates	REC (%)	Limits	
Terbium	94	70-130	11/29/2022 10:04

Analyst(s): WV Analytical Comments: a22

(Cont.)

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Analytical Report

Client:	Contra Costa-Hazardous Materials	**WorkOrder:**	2211G11
Date Received:	11/28/2022 9:55	**Extraction Method:**	SW3050B
Date Prepared:	11/28/2022	**Analytical Method:**	SW6020
Project:	MRC	**Unit:**	µg/wipe

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
D-5 Community Sample	2211G11-004A	Wipe	11/26/2022 12:36	ICP-MS4 158SMPL.d	259077

Analytes	Result	RL	DF	Date Analyzed
Aluminum	**39,000**	2000	20	11/29/2022 13:41
Antimony	**1.7**	1.0	1	11/29/2022 10:08
Arsenic	**1.8**	1.0	1	11/29/2022 10:08
Barium	**96**	10	1	11/29/2022 10:08
Beryllium	ND	1.0	1	11/29/2022 10:08
Cadmium	ND	0.50	1	11/29/2022 10:08
Chromium	**17**	1.0	1	11/29/2022 10:08
Cobalt	**5.4**	1.0	1	11/29/2022 10:08
Copper	**37**	1.0	1	11/29/2022 10:08
Lead	**21**	1.0	1	11/29/2022 10:08
Mercury	ND	0.10	1	11/29/2022 10:08
Molybdenum	**3.6**	1.0	1	11/29/2022 10:08
Nickel	**110**	1.0	1	11/29/2022 10:08
Selenium	**3.0**	1.0	1	11/29/2022 10:08
Silver	ND	1.0	1	11/29/2022 10:08
Thallium	ND	1.0	1	11/29/2022 10:08
Vanadium	**380**	1.0	1	11/29/2022 10:08
Zinc	**240**	10	1	11/29/2022 10:08

Surrogates	REC (%)	Limits	
Terbium	97	70-130	11/29/2022 10:08

Analyst(s): WV

Analytical Comments: a22

(Cont.)

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Analytical Report

Client:	Contra Costa-Hazardous Materials	**WorkOrder:**	2211G11
Date Received:	11/28/2022 9:55	**Extraction Method:**	SW3050B
Date Prepared:	11/28/2022	**Analytical Method:**	SW6020
Project:	MRC	**Unit:**	µg/wipe

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
D-6 Background sample	2211G11-005A	Wipe	11/28/2022 08:40	ICP-MS5 110SMPL.d	259077

Analytes	Result	RL	DF	Date Analyzed
Aluminum	**1300**	100	1	11/29/2022 10:11
Antimony	ND	1.0	1	11/29/2022 10:11
Arsenic	ND	1.0	1	11/29/2022 10:11
Barium	**23**	10	1	11/29/2022 10:11
Beryllium	ND	1.0	1	11/29/2022 10:11
Cadmium	ND	0.50	1	11/29/2022 10:11
Chromium	**3.8**	1.0	1	11/29/2022 10:11
Cobalt	**1.2**	1.0	1	11/29/2022 10:11
Copper	**11**	1.0	1	11/29/2022 10:11
Lead	**3.3**	1.0	1	11/29/2022 10:11
Mercury	ND	0.10	1	11/29/2022 10:11
Molybdenum	ND	1.0	1	11/29/2022 10:11
Nickel	**5.9**	1.0	1	11/29/2022 10:11
Selenium	ND	1.0	1	11/29/2022 10:11
Silver	ND	1.0	1	11/29/2022 10:11
Thallium	ND	1.0	1	11/29/2022 10:11
Vanadium	**5.8**	1.0	1	11/29/2022 10:11
Zinc	**290**	10	1	11/29/2022 10:11

Surrogates	REC (%)	Limits	
Terbium	101	70-130	11/29/2022 10:11

Analyst(s): WV Analytical Comments: a22

(Cont.)

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Analytical Report

Client:	Contra Costa-Hazardous Materials	**WorkOrder:**	2211G11
Date Received:	11/28/2022 9:55	**Extraction Method:**	SW3050B
Date Prepared:	11/28/2022	**Analytical Method:**	SW6020
Project:	MRC	**Unit:**	µg/wipe

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
D-7 Blank	**2211G11-006A**	**Wipe**	**11/28/2022 08:45**	**ICP-MS5 113SMPL.d**	**259077**

Analytes	Result	RL	DF	Date Analyzed
Aluminum	ND	100	1	11/29/2022 10:22
Antimony	ND	1.0	1	11/29/2022 10:22
Arsenic	ND	1.0	1	11/29/2022 10:22
Barium	ND	10	1	11/29/2022 10:22
Beryllium	ND	1.0	1	11/29/2022 10:22
Cadmium	ND	0.50	1	11/29/2022 10:22
Chromium	ND	1.0	1	11/29/2022 10:22
Cobalt	ND	1.0	1	11/29/2022 10:22
Copper	ND	1.0	1	11/29/2022 10:22
Lead	ND	1.0	1	11/29/2022 10:22
Mercury	ND	0.10	1	11/29/2022 10:22
Molybdenum	ND	1.0	1	11/29/2022 10:22
Nickel	ND	1.0	1	11/29/2022 10:22
Selenium	ND	1.0	1	11/29/2022 10:22
Silver	ND	1.0	1	11/29/2022 10:22
Thallium	ND	1.0	1	11/29/2022 10:22
Vanadium	ND	1.0	1	11/29/2022 10:22
Zinc	**52**	10	1	11/29/2022 10:22

Surrogates	REC (%)	Limits	
Terbium	105	70-130	11/29/2022 10:22

Analyst(s): WV

Analytical Comments: a22

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Quality Control Report

Client:	Contra Costa-Hazardous Materials	**WorkOrder:**	2211G11
Date Prepared:	11/28/2022	**BatchID:**	259077
Date Analyzed:	11/29/2022	**Extraction Method:**	SW3050B
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Wipe	**Unit:**	µg/wipe
Project:	MRC	**Sample ID:**	MB-259077

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aluminum	ND	100	100	-	-	-
Antimony	ND	1.0	1.0	-	-	-
Arsenic	ND	1.0	1.0	-	-	-
Barium	ND	10	10	-	-	-
Beryllium	ND	1.0	1.0	-	-	-
Cadmium	ND	0.50	0.50	-	-	-
Chromium	ND	1.0	1.0	-	-	-
Cobalt	ND	1.0	1.0	-	-	-
Copper	ND	1.0	1.0	-	-	-
Lead	ND	1.0	1.0	-	-	-
Mercury	ND	0.10	0.10	-	-	-
Molybdenum	ND	1.0	1.0	-	-	-
Nickel	ND	1.0	1.0	-	-	-
Selenium	ND	1.0	1.0	-	-	-
Silver	ND	1.0	1.0	-	-	-
Thallium	ND	1.0	1.0	-	-	-
Vanadium	ND	1.0	1.0	-	-	-
Zinc	ND	10	10	-	-	-
Surrogate Recovery						
Terbium	1100			1000	107	70-130

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 2211G11 **ClientCode: CCHM**

☐ WaterTrax ☐ CLIP ☐ EDF ☒ EQuIS ☒ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☐ Excel

Report to:
Sara Dwight
Contra Costa-Hazardous Materials
4585 Pacheco Blvd., Ste 100
Martinez, CA 94553
(925) 335-3200 FAX: (925) 646-2073
Email: sara.dwight@hsd.cccounty.us
cc/3rd Party:
PO: #023961
Project: MRC

Bill to:
Alexandra McMullen
Contra Costa-Hazardous Materials
4585 Pacheco Blvd., Ste 100
Martinez, CA 94553
cchazmat@cchealth.org

Requested TAT: **1 day;**

Date Received: **11/28/2022**
Date Logged: **11/28/2022**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2211G11-001	D-1	Wipe	11/26/2022 11:55	☐	A	A	A									
2211G11-002	D-2	Wipe	11/26/2022 12:00	☐	A	A	A									
2211G11-003	D-4	Wipe	11/26/2022 12:34	☐	A	A	A									
2211G11-004	D-5	Wipe	11/26/2022 12:36	☐	A	A	A									
2211G11-005	D-6	Wipe	11/28/2022 08:40	☐	A	A	A									
2211G11-006	D-7 Blank	Wipe	11/28/2022 08:45	☐	A	A	A									

Test Legend:

1	METALSMS_TTLC_WI	2	PRDisposal Fee	3	PRMISC	4	
5		6		7		8	
9		10		11		12	

Prepared by: Agustina Venegas

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: CONTRA COSTA-HAZARDOUS MATERIALS **Project:** MRC **Work Order:** 2211G11
Client Contact: Sara Dwight **QC Level:** LEVEL 2
Contact's Email: sara.dwight@hsd.cccounty.us **Comments:** **Date Logged:** 11/28/2022

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	D-1	Wipe	SW6020 (Metals) <Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc>	1	50mL Digestion Tube	☐	☐	☐	11/26/2022 11:55	1 day	11/29/2022		☐	☐
002A	D-2	Wipe	SW6020 (Metals) <Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc>	1	50mL Digestion Tube	☐	☐	☐	11/26/2022 12:00	1 day	11/29/2022		☐	☐
003A	D-4	Wipe	SW6020 (Metals) <Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc>	1	50mL Digestion Tube	☐	☐	☐	11/26/2022 12:34	1 day	11/29/2022		☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

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WORK ORDER SUMMARY

Client Name: CONTRA COSTA-HAZARDOUS MATERIALS **Project:** MRC **Work Order:** 2211G11
Client Contact: Sara Dwight **QC Level:** LEVEL 2
Contact's Email: sara.dwight@hsd.cccounty.us **Comments:** **Date Logged:** 11/28/2022

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
004A	D-5	Wipe	SW6020 (Metals) <Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc>	1	50mL Digestion Tube	☐	☐	☐	11/26/2022 12:36	1 day	11/29/2022		☐	☐
005A	D-6	Wipe	SW6020 (Metals) <Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc>	1	50mL Digestion Tube	☐	☐	☐	11/28/2022 8:40	1 day	11/29/2022		☐	☐
006A	D-7 Blank	Wipe	SW6020 (Metals) <Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc>	1	50mL Digestion Tube	☐	☐	☐	11/28/2022 8:45	1 day	11/29/2022		☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

General COC RUSH

MAI Work Order # 2211611

McCAMPBELL ANALYTICAL, INC.

1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701
Telephone: (877) 252-9262 / Fax: (925) 252-9269
www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

Rush

Turn Around Time: 1 Day Rush	X	2 Day Rush		3 Day Rush		STD		Quote #	
J-Flag / MDL		ESL		Cleanup Approved				Bottle Order #	
Delivery Format:	PDF		GeoTracker EDF		EDD		Write On (DW)		EQuIS

Report To: Sara Dwight		Bill To: F004855	
Company: Contra Costa County Hazardous Materials Programs			
Email: sara.dwight@cchealth.org			
Alt Email:		Tele: 925 464-8477	
Project Name: MRC		Project #:	
Project Location: 4585 Pacheco Blvd Ste 100 MTZ		PO #	
Sampler Signature: [signature]			

Analysis Requested

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	"Aluminum Oxide"	CAM17 + Al*		
D-1	11/26/22	1155	1	Wipe	—												X	RR			X	⊗		
D-2	11/26/22	1200	1	Wipe	—												X				⊗	⊗		
~~D-3~~ (Removed RR)	~~11/26/22~~	~~1233~~	~~1~~	~~Wipe~~	~~—~~																			
D-4	11/26/22	1234	1	Wipe	—												X				⊗	⊗ RR		
D-5	11/26/22	1236	1	Wipe	—												X				⊗	⊗		
D-6 / Background Vehicle 6153	11/28/22	8:40	1	wipe	—												X				⊗	⊗		
D-7 BLANK	11/28/22	8:45	1	wipe	—												X				⊗	⊗		

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
[signature]	11/26/22	1400	Secure Location		
[signature]	11/28/22	0955	[signature]	11/28/2022	0955

Comments / Instructions

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 10.0 °C BLUE Initials ____

* CAM17 + AL SET UP TO REPORT AS Al_2O_3 PER J.L.
11/28/2022 OW

Page ___ of ___

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	Contra Costa-Hazardous Materials	Date and Time Received:	11/28/2022 09:55
Project:	MRC	Date Logged:	11/28/2022
		Received by:	Agustina Venegas
WorkOrder №:	2211G11 Matrix: Wipe	Logged by:	Agustina Venegas
Carrier:	Client Drop-In		

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐	
Chain of custody signed when relinquished and received?	Yes	☑	No	☐	
Chain of custody agrees with sample labels?	Yes	☑	No	☐	
Sample IDs noted by Client on COC?	Yes	☑	No	☐	
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐	
Sampler's name noted on COC?	Yes	☑	No	☐	
COC agrees with Quote?	Yes	☐	No	☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA ☑
Custody seals intact on sample bottles?	Yes	☐	No	☐	NA ☑
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	NA ☐
Samples Received on Ice?	Yes	☑	No	☐	
	(Ice Type: BLUE ICE)				
Sample/Temp Blank temperature		Temp: 10°C			NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
UCMR Samples:					
pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA ☑

Comments: