



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2307496 Note: CCH wipe sample is collected from a 12"X12" surface area and reported in micrograms per wipe

Report Created for: Contra Costa-Hazardous Materials

4585 Pacheco Blvd., Ste 100
Martinez, CA 94553

Project Contact: Sara Dwight
Project P.O.:
Project: MRC Delayed Coker Release

Project Received: 07/11/2023

Analytical Report reviewed & approved for release on 07/12/2023 by:

Jena Alfaro
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.





Glossary of Terms & Qualifier Definitions

Client: Contra Costa-Hazardous Materials

WorkOrder: 2307496

Project: MRC Delayed Coker Release

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	Method Detection Limit ¹
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 ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure

¹ 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.

² RL 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.)



Glossary of Terms & Qualifier Definitions

Client: Contra Costa-Hazardous Materials

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TEQ Toxicity Equivalents

TZA TimeZone Net Adjustment for sample collected outside of MAI's UTC.

WET (STLC) Waste Extraction Test (Soluble Threshold Limit Concentration)



Analytical Report

Client: Contra Costa-Hazardous Materials
Date Received: 07/11/2023 16:37
Date Prepared: 07/11/2023
Project: MRC Delayed Coker Release

WorkOrder: 2307496
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: µg/wipe

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Blank-1	2307496-001A	Wipe	07/11/2023 12:45	ICP-MS5 119SMPL.d	273474

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	07/12/2023 11:00
Arsenic	ND	0.50	1	07/12/2023 11:00
Barium	ND	5.0	1	07/12/2023 11:00
Beryllium	ND	0.50	1	07/12/2023 11:00
Cadmium	ND	0.25	1	07/12/2023 11:00
Chromium	ND	0.50	1	07/12/2023 11:00
Cobalt	ND	0.50	1	07/12/2023 11:00
Copper	ND	0.50	1	07/12/2023 11:00
Lead	ND	0.50	1	07/12/2023 11:00
Mercury	ND	0.050	1	07/12/2023 11:00
Molybdenum	ND	0.50	1	07/12/2023 11:00
Nickel	ND	0.50	1	07/12/2023 11:00
Selenium	ND	0.50	1	07/12/2023 11:00
Silver	ND	0.50	1	07/12/2023 11:00
Thallium	ND	0.50	1	07/12/2023 11:00
Vanadium	ND	0.50	1	07/12/2023 11:00
Zinc	ND	5.0	1	07/12/2023 11:00

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	103	70-130	07/12/2023 11:00

Analyst(s): AL



Analytical Report

Client: Contra Costa-Hazardous Materials
Date Received: 07/11/2023 16:37
Date Prepared: 07/11/2023
Project: MRC Delayed Coker Release

WorkOrder: 2307496
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: µg/wipe

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sample-1	2307496-002A	Wipe	07/11/2023 12:45	ICP-MS5 120SMPL.d	273474

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	07/12/2023 11:03
Arsenic	ND	0.50	1	07/12/2023 11:03
Barium	23	5.0	1	07/12/2023 11:03
Beryllium	ND	0.50	1	07/12/2023 11:03
Cadmium	ND	0.25	1	07/12/2023 11:03
Chromium	2.6	0.50	1	07/12/2023 11:03
Cobalt	ND	0.50	1	07/12/2023 11:03
Copper	21	0.50	1	07/12/2023 11:03
Lead	2.0	0.50	1	07/12/2023 11:03
Mercury	ND	0.050	1	07/12/2023 11:03
Molybdenum	ND	0.50	1	07/12/2023 11:03
Nickel	3.5	0.50	1	07/12/2023 11:03
Selenium	ND	0.50	1	07/12/2023 11:03
Silver	ND	0.50	1	07/12/2023 11:03
Thallium	ND	0.50	1	07/12/2023 11:03
Vanadium	9.3	0.50	1	07/12/2023 11:03
Zinc	35	5.0	1	07/12/2023 11:03

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	102	70-130	07/12/2023 11:03

Analyst(s): AL



Analytical Report

Client: Contra Costa-Hazardous Materials
Date Received: 07/11/2023 16:37
Date Prepared: 07/11/2023
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WorkOrder: 2307496
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: µg/wipe

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sample-2	2307496-003A	Wipe	07/11/2023 13:02	ICP-MS5 121SMPL.d	273474

Analytes	Result	RL	DF	Date Analyzed
Antimony	0.56	0.50	1	07/12/2023 11:06
Arsenic	ND	0.50	1	07/12/2023 11:06
Barium	71	5.0	1	07/12/2023 11:06
Beryllium	ND	0.50	1	07/12/2023 11:06
Cadmium	ND	0.25	1	07/12/2023 11:06
Chromium	4.1	0.50	1	07/12/2023 11:06
Cobalt	1.1	0.50	1	07/12/2023 11:06
Copper	16	0.50	1	07/12/2023 11:06
Lead	3.8	0.50	1	07/12/2023 11:06
Mercury	0.11	0.050	1	07/12/2023 11:06
Molybdenum	ND	0.50	1	07/12/2023 11:06
Nickel	4.0	0.50	1	07/12/2023 11:06
Selenium	ND	0.50	1	07/12/2023 11:06
Silver	ND	0.50	1	07/12/2023 11:06
Thallium	ND	0.50	1	07/12/2023 11:06
Vanadium	8.7	0.50	1	07/12/2023 11:06
Zinc	53	5.0	1	07/12/2023 11:06

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	104	70-130	07/12/2023 11:06

Analyst(s): AL



Analytical Report

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Date Received: 07/11/2023 16:37
Date Prepared: 07/11/2023
Project: MRC Delayed Coker Release

WorkOrder: 2307496
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: µg/wipe

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sample-3	2307496-004A	Wipe	07/11/2023 13:16	ICP-MS5 124SMPL.d	273474

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	07/12/2023 11:17
Arsenic	ND	0.50	1	07/12/2023 11:17
Barium	7.9	5.0	1	07/12/2023 11:17
Beryllium	ND	0.50	1	07/12/2023 11:17
Cadmium	ND	0.25	1	07/12/2023 11:17
Chromium	1.3	0.50	1	07/12/2023 11:17
Cobalt	ND	0.50	1	07/12/2023 11:17
Copper	2.3	0.50	1	07/12/2023 11:17
Lead	1.2	0.50	1	07/12/2023 11:17
Mercury	ND	0.050	1	07/12/2023 11:17
Molybdenum	ND	0.50	1	07/12/2023 11:17
Nickel	4.8	0.50	1	07/12/2023 11:17
Selenium	ND	0.50	1	07/12/2023 11:17
Silver	ND	0.50	1	07/12/2023 11:17
Thallium	ND	0.50	1	07/12/2023 11:17
Vanadium	15	0.50	1	07/12/2023 11:17
Zinc	16	5.0	1	07/12/2023 11:17

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	103	70-130	07/12/2023 11:17

Analyst(s): AL



Analytical Report

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Date Received: 07/11/2023 16:37
Date Prepared: 07/11/2023
Project: MRC Delayed Coker Release

WorkOrder: 2307496
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: µg/wipe

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sample-4	2307496-005A	Wipe	07/11/2023 13:16	ICP-MS5 125SMPL.d	273474

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	07/12/2023 11:20
Arsenic	ND	0.50	1	07/12/2023 11:20
Barium	ND	5.0	1	07/12/2023 11:20
Beryllium	ND	0.50	1	07/12/2023 11:20
Cadmium	ND	0.25	1	07/12/2023 11:20
Chromium	0.57	0.50	1	07/12/2023 11:20
Cobalt	ND	0.50	1	07/12/2023 11:20
Copper	1.4	0.50	1	07/12/2023 11:20
Lead	1.3	0.50	1	07/12/2023 11:20
Mercury	ND	0.050	1	07/12/2023 11:20
Molybdenum	ND	0.50	1	07/12/2023 11:20
Nickel	ND	0.50	1	07/12/2023 11:20
Selenium	ND	0.50	1	07/12/2023 11:20
Silver	ND	0.50	1	07/12/2023 11:20
Thallium	ND	0.50	1	07/12/2023 11:20
Vanadium	0.54	0.50	1	07/12/2023 11:20
Zinc	14	5.0	1	07/12/2023 11:20

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	104	70-130	07/12/2023 11:20

Analyst(s): AL



Analytical Report

Client: Contra Costa-Hazardous Materials
Date Received: 07/11/2023 16:37
Date Prepared: 07/11/2023
Project: MRC Delayed Coker Release

WorkOrder: 2307496
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: µg/wipe

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sample-5	2307496-006A	Wipe	07/11/2023 13:45	ICP-MS5 126SMPL.d	273474

Analytes	Result	RL	DF	Date Analyzed
Antimony	0.51	0.50	1	07/12/2023 11:24
Arsenic	ND	0.50	1	07/12/2023 11:24
Barium	9.3	5.0	1	07/12/2023 11:24
Beryllium	ND	0.50	1	07/12/2023 11:24
Cadmium	ND	0.25	1	07/12/2023 11:24
Chromium	1.8	0.50	1	07/12/2023 11:24
Cobalt	ND	0.50	1	07/12/2023 11:24
Copper	6.9	0.50	1	07/12/2023 11:24
Lead	3.1	0.50	1	07/12/2023 11:24
Mercury	ND	0.050	1	07/12/2023 11:24
Molybdenum	ND	0.50	1	07/12/2023 11:24
Nickel	1.3	0.50	1	07/12/2023 11:24
Selenium	ND	0.50	1	07/12/2023 11:24
Silver	ND	0.50	1	07/12/2023 11:24
Thallium	ND	0.50	1	07/12/2023 11:24
Vanadium	1.4	0.50	1	07/12/2023 11:24
Zinc	37	5.0	1	07/12/2023 11:24

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	97	70-130	07/12/2023 11:24

Analyst(s): AL



Analytical Report

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Date Received: 07/11/2023 16:37
Date Prepared: 07/11/2023
Project: MRC Delayed Coker Release

WorkOrder: 2307496
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: µg/wipe

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Background-1	2307496-007A	Wipe	07/11/2023 15:16	ICP-MS5 127SMPL.d	273474

Analytes	Result	RL	DF	Date Analyzed
Antimony	ND	0.50	1	07/12/2023 11:27
Arsenic	ND	0.50	1	07/12/2023 11:27
Barium	ND	5.0	1	07/12/2023 11:27
Beryllium	ND	0.50	1	07/12/2023 11:27
Cadmium	ND	0.25	1	07/12/2023 11:27
Chromium	2.2	0.50	1	07/12/2023 11:27
Cobalt	ND	0.50	1	07/12/2023 11:27
Copper	1.4	0.50	1	07/12/2023 11:27
Lead	3.1	0.50	1	07/12/2023 11:27
Mercury	ND	0.050	1	07/12/2023 11:27
Molybdenum	ND	0.50	1	07/12/2023 11:27
Nickel	ND	0.50	1	07/12/2023 11:27
Selenium	ND	0.50	1	07/12/2023 11:27
Silver	ND	0.50	1	07/12/2023 11:27
Thallium	ND	0.50	1	07/12/2023 11:27
Vanadium	0.51	0.50	1	07/12/2023 11:27
Zinc	12	5.0	1	07/12/2023 11:27

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	103	70-130	07/12/2023 11:27

Analyst(s): AL



Analytical Report

Client: Contra Costa-Hazardous Materials
Date Received: 07/11/2023 16:37
Date Prepared: 07/11/2023
Project: MRC Delayed Coker Release

WorkOrder: 2307496
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: µg/wipe

CAM / CCR 17 Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Background-2	2307496-008A	Wipe	07/11/2023 15:32	ICP-MS5 128SMPL.d	273474

Analytes	Result	RL	DF	Date Analyzed
Antimony	0.85	0.50	1	07/12/2023 11:31
Arsenic	1.0	0.50	1	07/12/2023 11:31
Barium	37	5.0	1	07/12/2023 11:31
Beryllium	ND	0.50	1	07/12/2023 11:31
Cadmium	ND	0.25	1	07/12/2023 11:31
Chromium	11	0.50	1	07/12/2023 11:31
Cobalt	3.1	0.50	1	07/12/2023 11:31
Copper	24	0.50	1	07/12/2023 11:31
Lead	7.5	0.50	1	07/12/2023 11:31
Mercury	0.084	0.050	1	07/12/2023 11:31
Molybdenum	ND	0.50	1	07/12/2023 11:31
Nickel	9.1	0.50	1	07/12/2023 11:31
Selenium	ND	0.50	1	07/12/2023 11:31
Silver	ND	0.50	1	07/12/2023 11:31
Thallium	ND	0.50	1	07/12/2023 11:31
Vanadium	19	0.50	1	07/12/2023 11:31
Zinc	74	5.0	1	07/12/2023 11:31

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	96	70-130	07/12/2023 11:31

Analyst(s): AL



Quality Control Report

Client: Contra Costa-Hazardous Materials
Date Prepared: 07/11/2023
Date Analyzed: 07/12/2023
Instrument: ICP-MS5
Matrix: Wipe
Project: MRC Delayed Coker Release

WorkOrder: 2307496
BatchID: 273474
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: µg/wipe
Sample ID: MB-273474

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Antimony	ND	0.50	0.50	-	-	-
Arsenic	ND	0.50	0.50	-	-	-
Barium	ND	5.0	5.0	-	-	-
Beryllium	ND	0.50	0.50	-	-	-
Cadmium	ND	0.25	0.25	-	-	-
Chromium	ND	0.50	0.50	-	-	-
Cobalt	ND	0.50	0.50	-	-	-
Copper	ND	0.50	0.50	-	-	-
Lead	ND	0.50	0.50	-	-	-
Mercury	ND	0.050	0.050	-	-	-
Molybdenum	ND	0.50	0.50	-	-	-
Nickel	ND	0.50	0.50	-	-	-
Selenium	ND	0.50	0.50	-	-	-
Silver	ND	0.50	0.50	-	-	-
Thallium	ND	0.50	0.50	-	-	-
Vanadium	ND	0.50	0.50	-	-	-
Zinc	ND	5.0	5.0	-	-	-
Surrogate Recovery						
Terbium	590			500	118	70-130



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

WaterTrax CLIP EDF

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2307496

ClientCode: CCHM

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) 207-5296 FAX: (925) 646-2073

Email: Sara.Dwight@cchealth.org
cc/3rd Party:
PO:
Project: MRC Delayed Coker Release

Bill to:

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

Requested TAT: 1 day;

Date Received: 07/11/2023
Date Logged: 07/11/2023

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
2307496-001	Blank-1	Wipe	7/11/2023 12:45	<input type="checkbox"/>	A	A											
2307496-002	Sample-1	Wipe	7/11/2023 12:45	<input type="checkbox"/>	A	A											
2307496-003	Sample-2	Wipe	7/11/2023 13:02	<input type="checkbox"/>	A	A											
2307496-004	Sample-3	Wipe	7/11/2023 13:16	<input type="checkbox"/>	A	A											
2307496-005	Sample-4	Wipe	7/11/2023 13:16	<input type="checkbox"/>	A	A											
2307496-006	Sample-5	Wipe	7/11/2023 13:45	<input type="checkbox"/>	A	A											
2307496-007	Background-1	Wipe	7/11/2023 15:16	<input type="checkbox"/>	A	A											
2307496-008	Background-2	Wipe	7/11/2023 15:32	<input type="checkbox"/>	A	A											

Test Legend:

1	CAM17MS_TTLC_WI	2	PRDisposal Fee	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Natalie Zaragoza

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.



WORK ORDER SUMMARY

Client Name: CONTRA COSTA-HAZARDOUS MATERIALS

Project: MRC Delayed Coker Release

Work Order: 2307496

Client Contact: Sara Dwight

QC Level: LEVEL 2

Contact's Email: Sara.Dwight@cchealth.org

Comments:

Date Logged: 7/11/2023

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	Blank-1	Wipe	SW6020 (CAM 17)	1	100mL Digestion Tube	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7/11/2023 12:45	1 day	7/12/2023		<input type="checkbox"/>	<input type="checkbox"/>
002A	Sample-1	Wipe	SW6020 (CAM 17)	1	100mL Digestion Tube	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7/11/2023 12:45	1 day	7/12/2023		<input type="checkbox"/>	<input type="checkbox"/>
003A	Sample-2	Wipe	SW6020 (CAM 17)	1	100mL Digestion Tube	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7/11/2023 13:02	1 day	7/12/2023		<input type="checkbox"/>	<input type="checkbox"/>
004A	Sample-3	Wipe	SW6020 (CAM 17)	1	100mL Digestion Tube	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7/11/2023 13:16	1 day	7/12/2023		<input type="checkbox"/>	<input type="checkbox"/>
005A	Sample-4	Wipe	SW6020 (CAM 17)	1	100mL Digestion Tube	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7/11/2023 13:16	1 day	7/12/2023		<input type="checkbox"/>	<input type="checkbox"/>
006A	Sample-5	Wipe	SW6020 (CAM 17)	1	100mL Digestion Tube	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7/11/2023 13:45	1 day	7/12/2023		<input type="checkbox"/>	<input type="checkbox"/>
007A	Background-1	Wipe	SW6020 (CAM 17)	1	100mL Digestion Tube	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7/11/2023 15:16	1 day	7/12/2023		<input type="checkbox"/>	<input type="checkbox"/>
008A	Background-2	Wipe	SW6020 (CAM 17)	1	100mL Digestion Tube	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7/11/2023 15:32	1 day	7/12/2023		<input type="checkbox"/>	<input type="checkbox"/>

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.



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

Turn Around Time: 1 Day Rush	<input checked="" type="checkbox"/> 2 Day Rush	<input type="checkbox"/> 3 Day Rush	STD	Quote #
J-Flag / MDL	ESL	Cleanup Approved	Dry Weight	Bottle Order #
Delivery Format: <input checked="" type="checkbox"/> PDF	<input type="checkbox"/> GeoTracker EDF	<input type="checkbox"/> EDD	<input type="checkbox"/> Write On (DW)	<input type="checkbox"/> Detect Summary

Report To: Sara Dwight Bill To: ccchazmat@cohealth.org
 Company: - Contra Costa County HazMat
 Email: sara.dwight@cohealth.org
 Alt Email: _____ Tele: 925-464-8477
 Project Name: MRC Delayed Coke Release Project #: _____
 Project Location: Martinez, CA PO #: _____
 Sampler Signature: [Signature]

Analysis Requested

SAMPLE ID Location / Field Point	Sampling #		#Containers	Matrix	Preservative	CAM	M	T	W	V	O	C	P	B	S	L	A	W	P	O																													
	Date	Time																																															
Blank-1	7/11/23	1245	1	Wipe	NA	X																																											
Sample-1		1245				X																																											
Sample-2		1302				X																																											
Sample-3		1316				X																																											
Sample-4		1316				X																																											
Sample-5		1345				X																																											
Background-1		1516				X																																											
Background-2		1532				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
<u>[Signature]</u>	07/11/23	16:37	<u>[Signature]</u>	7/11/23	1634

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=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=None
 Temp 23.7°C Initials _____
NO ICE



Sample Receipt Checklist

Client Name: Contra Costa-Hazardous Materials
 Project: MRC Delayed Coker Release
 WorkOrder No: 2307496 Matrix: Wipe
 Carrier: Client Drop-In

Date and Time Received: 7/11/2023 16:37
 Date Logged: 7/11/2023
 Received by: Agustina Venegas
 Logged by: Natalie Zaragoza

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	

Sample/Temp Blank temperature	Temp: 23.7°C	NA <input type="checkbox"/>	
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

 Comments: