



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2212486

Report Created for: Contra Costa-Hazardous Materials

4585 Pacheco Blvd., Ste 100
Martinez, CA 94553

Project Contact: Adam Springer
Project P.O.: #023961
Project: MRC Follow-up

Note: CCH storm drain samples collected from storm drains in the community. Samples reported in milligrams per kilogram.

Project Received: 12/07/2022

Analytical Report reviewed & approved for release on 12/14/2022 by:

Yen Cao
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: 2212486

Project: MRC Follow-up

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)



Glossary of Terms & Qualifier Definitions

Client: Contra Costa-Hazardous Materials

WorkOrder: 2212486

Project: MRC Follow-up

Analytical Qualifiers

- a2 Sample diluted due to cluttered chromatogram.
- a3 Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.
- h4 Sulfuric acid permanganate (EPA 3665) cleanup.



Analytical Report

Client: Contra Costa-Hazardous Materials
Date Received: 12/07/2022 15:48
Date Prepared: 12/07/2022
Project: MRC Follow-up

WorkOrder: 2212486
Extraction Method: SW3550B
Analytical Method: SW8082
Unit: mg/kg

Polychlorinated Biphenyls (PCBs) Aroclors

Client ID	Community Sample	Lab ID	Matrix	Date Collected	Instrument	Batch ID
#1 3528 Pacheco Blvd. SD		2212486-001A	Soil	12/07/2022 13:49	GC20 12082213.D	259686

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.050	1	12/08/2022 19:17
Aroclor1221	ND	0.050	1	12/08/2022 19:17
Aroclor1232	ND	0.050	1	12/08/2022 19:17
Aroclor1242	ND	0.050	1	12/08/2022 19:17
Aroclor1248	ND	0.050	1	12/08/2022 19:17
Aroclor1254	ND	0.050	1	12/08/2022 19:17
Aroclor1260	ND	0.050	1	12/08/2022 19:17
PCBs, total	ND	0.050	1	12/08/2022 19:17

Surrogates	REC (%)	Limits	Date Analyzed
Decachlorobiphenyl	87	60-130	12/08/2022 19:17

Analyst(s): CK Analytical Comments: h4

Client ID	Community Sample	Lab ID	Matrix	Date Collected	Instrument	Batch ID
#2 Shell Ave. SD		2212486-002A	Soil	12/07/2022 14:03	GC20 12082212.D	259686

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.50	10	12/08/2022 19:01
Aroclor1221	ND	0.50	10	12/08/2022 19:01
Aroclor1232	ND	0.50	10	12/08/2022 19:01
Aroclor1242	ND	0.50	10	12/08/2022 19:01
Aroclor1248	ND	0.50	10	12/08/2022 19:01
Aroclor1254	ND	0.50	10	12/08/2022 19:01
Aroclor1260	ND	0.50	10	12/08/2022 19:01
PCBs, total	ND	0.50	10	12/08/2022 19:01

Surrogates	REC (%)	Limits	Date Analyzed
Decachlorobiphenyl	125	60-130	12/08/2022 19:01

Analyst(s): CK Analytical Comments: a2,a3,h4

(Cont.)



Analytical Report

Client: Contra Costa-Hazardous Materials
Date Received: 12/07/2022 15:48
Date Prepared: 12/07/2022
Project: MRC Follow-up

WorkOrder: 2212486
Extraction Method: SW3550B
Analytical Method: SW8082
Unit: mg/kg

Polychlorinated Biphenyls (PCBs) Aroclors

Client ID	Community Sample	Lab ID	Matrix	Date Collected	Instrument	Batch ID
#3 Main St. SD		2212486-003A	Soil	12/07/2022 14:21	GC20 12082211.D	259686

Analytes	Result	RL	DF	Date Analyzed
Aroclor1016	ND	0.50	10	12/08/2022 18:45
Aroclor1221	ND	0.50	10	12/08/2022 18:45
Aroclor1232	ND	0.50	10	12/08/2022 18:45
Aroclor1242	ND	0.50	10	12/08/2022 18:45
Aroclor1248	ND	0.50	10	12/08/2022 18:45
Aroclor1254	ND	0.50	10	12/08/2022 18:45
Aroclor1260	ND	0.50	10	12/08/2022 18:45
PCBs, total	ND	0.50	10	12/08/2022 18:45

Surrogates	REC (%)	Limits	Date Analyzed
Decachlorobiphenyl	124	60-130	12/08/2022 18:45

Analyst(s): CK **Analytical Comments:** a2,a3,h4

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Analytical Report

Client: Contra Costa-Hazardous Materials
Date Received: 12/07/2022 15:48
Date Prepared: 12/07/2022
Project: MRC Follow-up

WorkOrder: 2212486
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

CAM / CCR 17 Metals + Misc. Elements

Client ID	Community Sample	Lab ID	Matrix	Date Collected	Instrument	Batch ID
#1 3528 Pacheco Blvd. SD		2212486-001A	Soil	12/07/2022 13:49	ICP-MS4 132SMPL.d	259709

Analytes	Result	RL	DF	Date Analyzed
Aluminum	5100	500	10	12/08/2022 11:53
Antimony	1.3	0.50	1	12/08/2022 09:49
Arsenic	2.5	0.50	1	12/08/2022 09:49
Barium	230	5.0	1	12/08/2022 09:49
Beryllium	ND	0.50	1	12/08/2022 09:49
Cadmium	0.55	0.50	1	12/08/2022 09:49
Chromium	23	0.50	1	12/08/2022 09:49
Cobalt	4.6	0.50	1	12/08/2022 09:49
Copper	59	0.50	1	12/08/2022 09:49
Lead	35	0.50	1	12/08/2022 09:49
Mercury	0.12	0.050	1	12/08/2022 09:49
Molybdenum	0.81	0.50	1	12/08/2022 09:49
Nickel	29	0.50	1	12/08/2022 09:49
Selenium	ND	0.50	1	12/08/2022 09:49
Silver	2.3	0.50	1	12/08/2022 09:49
Thallium	ND	0.50	1	12/08/2022 09:49
Vanadium	20	0.50	1	12/08/2022 09:49
Zinc	420	5.0	1	12/08/2022 09:49

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	106	70-130	12/08/2022 09:49

Analyst(s): AL



Analytical Report

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Date Received: 12/07/2022 15:48
Date Prepared: 12/07/2022
Project: MRC Follow-up

WorkOrder: 2212486
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

CAM / CCR 17 Metals + Misc. Elements

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
#2 Shell Ave. SD Community Sample	2212486-002A	Soil	12/07/2022 14:03	ICP-MS4 133SMPL.d	259709

Analytes	Result	RL	DF	Date Analyzed
Aluminum	21,000	500	10	12/08/2022 11:57
Antimony	0.85	0.50	1	12/08/2022 09:57
Arsenic	3.8	0.50	1	12/08/2022 09:57
Barium	58	5.0	1	12/08/2022 09:57
Beryllium	ND	0.50	1	12/08/2022 09:57
Cadmium	ND	0.50	1	12/08/2022 09:57
Chromium	43	0.50	1	12/08/2022 09:57
Cobalt	14	0.50	1	12/08/2022 09:57
Copper	56	0.50	1	12/08/2022 09:57
Lead	17	0.50	1	12/08/2022 09:57
Mercury	0.072	0.050	1	12/08/2022 09:57
Molybdenum	2.3	0.50	1	12/08/2022 09:57
Nickel	30	0.50	1	12/08/2022 09:57
Selenium	ND	0.50	1	12/08/2022 09:57
Silver	ND	0.50	1	12/08/2022 09:57
Thallium	ND	0.50	1	12/08/2022 09:57
Vanadium	69	0.50	1	12/08/2022 09:57
Zinc	260	5.0	1	12/08/2022 09:57

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	104	70-130	12/08/2022 09:57

Analyst(s): AL



Analytical Report

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Date Received: 12/07/2022 15:48
Date Prepared: 12/07/2022
Project: MRC Follow-up

WorkOrder: 2212486
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/Kg

CAM / CCR 17 Metals + Misc. Elements

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
#3 Main St. SD Community Sample	2212486-003A	Soil	12/07/2022 14:21	ICP-MS4 134SMPL.d	259709

Analytes	Result	RL	DF	Date Analyzed
Aluminum	14,000	500	10	12/08/2022 12:01
Antimony	1.3	0.50	1	12/08/2022 10:01
Arsenic	2.6	0.50	1	12/08/2022 10:01
Barium	95	5.0	1	12/08/2022 10:01
Beryllium	ND	0.50	1	12/08/2022 10:01
Cadmium	ND	0.50	1	12/08/2022 10:01
Chromium	59	0.50	1	12/08/2022 10:01
Cobalt	13	0.50	1	12/08/2022 10:01
Copper	41	0.50	1	12/08/2022 10:01
Lead	23	0.50	1	12/08/2022 10:01
Mercury	0.16	0.050	1	12/08/2022 10:01
Molybdenum	1.5	0.50	1	12/08/2022 10:01
Nickel	65	0.50	1	12/08/2022 10:01
Selenium	ND	0.50	1	12/08/2022 10:01
Silver	3.0	0.50	1	12/08/2022 10:01
Thallium	ND	0.50	1	12/08/2022 10:01
Vanadium	82	0.50	1	12/08/2022 10:01
Zinc	370	5.0	1	12/08/2022 10:01

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	105	70-130	12/08/2022 10:01

Analyst(s): AL



Quality Control Report

Client: Contra Costa-Hazardous Materials
Date Prepared: 12/07/2022
Date Analyzed: 12/08/2022 - 12/12/2022
Instrument: GC20
Matrix: Soil
Project: MRC Follow-up

WorkOrder: 2212486
BatchID: 259686
Extraction Method: SW3550B
Analytical Method: SW8082
Unit: mg/kg
Sample ID: MB/LCS/LCSD-259686

QC Summary Report for SW8082

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aroclor1016	ND	0.032	0.050	-	-	-
Aroclor1221	ND	0.032	0.050	-	-	-
Aroclor1232	ND	0.032	0.050	-	-	-
Aroclor1242	ND	0.032	0.050	-	-	-
Aroclor1248	ND	0.032	0.050	-	-	-
Aroclor1254	ND	0.032	0.050	-	-	-
Aroclor1260	ND	0.032	0.050	-	-	-

Surrogate Recovery

Decachlorobiphenyl	0.044			0.05	89	70-130
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Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aroclor1016	0.15	0.15	0.15	101	102	70-130	1.09	20
Aroclor1260	0.14	0.14	0.15	91	94	70-130	2.42	20

Surrogate Recovery

Decachlorobiphenyl	0.042	0.041	0.050	84	82	70-130	2.90	20
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Quality Control Report

Client: Contra Costa-Hazardous Materials
Date Prepared: 12/07/2022
Date Analyzed: 12/08/2022
Instrument: ICP-MS4
Matrix: Soil
Project: MRC Follow-up

WorkOrder: 2212486
BatchID: 259709
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg
Sample ID: MB/LCS/LCSD-259709

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aluminum	ND	17	50	-	-	-
Antimony	ND	0.12	0.50	-	-	-
Arsenic	ND	0.11	0.50	-	-	-
Barium	ND	0.71	5.0	-	-	-
Beryllium	ND	0.10	0.50	-	-	-
Cadmium	ND	0.092	0.50	-	-	-
Chromium	ND	0.13	0.50	-	-	-
Cobalt	ND	0.064	0.50	-	-	-
Copper	ND	0.13	0.50	-	-	-
Lead	ND	0.065	0.50	-	-	-
Mercury	ND	0.038	0.050	-	-	-
Molybdenum	ND	0.092	0.50	-	-	-
Nickel	ND	0.080	0.50	-	-	-
Selenium	ND	0.21	0.50	-	-	-
Silver	ND	0.057	0.50	-	-	-
Thallium	ND	0.072	0.50	-	-	-
Vanadium	ND	0.11	0.50	-	-	-
Zinc	ND	2.5	5.0	-	-	-
Surrogate Recovery						
Terbium	560			500	112	70-130



Quality Control Report

Client: Contra Costa-Hazardous Materials
Date Prepared: 12/07/2022
Date Analyzed: 12/08/2022
Instrument: ICP-MS4
Matrix: Soil
Project: MRC Follow-up

WorkOrder: 2212486
BatchID: 259709
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg
Sample ID: MB/LCS/LCSD-259709

QC Summary Report for Metals

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aluminum	510	490	500	102	97	75-125	4.58	20
Antimony	50	50	50	101	100	75-125	1.37	20
Arsenic	50	49	50	100	97	75-125	2.85	20
Barium	500	490	500	101	99	75-125	2.03	20
Beryllium	52	50	50	104	100	75-125	4.28	20
Cadmium	51	50	50	102	100	75-125	2.72	20
Chromium	53	52	50	106	103	75-125	2.69	20
Cobalt	52	49	50	104	98	75-125	5.08	20
Copper	52	51	50	103	101	75-125	1.50	20
Lead	49	49	50	98	98	75-125	0.773	20
Mercury	1.3	1.3	1.25	104	103	75-125	0.775	20
Molybdenum	50	49	50	101	99	75-125	2.14	20
Nickel	51	50	50	102	99	75-125	3.41	20
Selenium	51	50	50	102	100	75-125	1.91	20
Silver	49	48	50	97	95	75-125	2.03	20
Thallium	48	48	50	96	96	75-125	0.655	20
Vanadium	51	50	50	102	99	75-125	2.50	20
Zinc	510	490	500	103	99	75-125	4.14	20
Surrogate Recovery								
Terbium	550	540	500	109	107	70-130	1.79	20



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

WaterTrax CLIP EDF

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2212486

ClientCode: CCHM

EQuIS Dry-Weight Email HardCopy ThirdParty J-flag
 Detection Summary Excel

Report to:

Adam Springer
Contra Costa-Hazardous Materials
4585 Pacheco Blvd., Ste 100
Martinez, CA 94553
(925) 335-3216 FAX: (925) 646-2073

Email: adam.springer@hsd.cccounty.us
cc/3rd Party: trisha.johnson@cchealth.org;
PO: #023961
Project: MRC Follow-up

Bill to:

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

Requested TATs:

**1 day;
5 days;**

Date Received: **12/07/2022**

Date Logged: **12/07/2022**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
2212486-001	#1 3528 Pacheco Blvd. SD	Soil	12/7/2022 13:49	<input type="checkbox"/>	A	A	A										
2212486-002	#2 Shell Ave. SD	Soil	12/7/2022 14:03	<input type="checkbox"/>	A	A	A										
2212486-003	#3 Main St. SD	Soil	12/7/2022 14:21	<input type="checkbox"/>	A	A	A										

Test Legend:

1	8082_PCB_S	2	CAMMETMS_TTLC_S	3	PRDisposal Fee	4	
5		6		7		8	
9		10		11		12	

Prepared by: Adrianna Cardoza

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 Follow-up

Work Order: 2212486

Client Contact: Adam Springer

QC Level: LEVEL 2

Contact's Email: adam.springer@hsd.cccounty.us

Comments:

Date Logged: 12/7/2022

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	#1 3528 Pacheco Blvd. SD	Soil	SW6020 (Metals) <Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc> SW8082 (PCBs Only)	1	8OZ GJ, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/7/2022 13:49	1 day	12/8/2022		<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		5 days	12/14/2022		<input type="checkbox"/>	<input type="checkbox"/>
002A	#2 Shell Ave. SD	Soil	SW6020 (Metals) <Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc> SW8082 (PCBs Only)	1	8OZ GJ, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/7/2022 14:03	1 day	12/8/2022		<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		5 days	12/14/2022		<input type="checkbox"/>	<input type="checkbox"/>
003A	#3 Main St. SD	Soil	SW6020 (Metals) <Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Silver, Thallium, Vanadium, Zinc>	1	8OZ GJ, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/7/2022 14:21	1 day	12/8/2022		<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.



WORK ORDER SUMMARY

Client Name: CONTRA COSTA-HAZARDOUS MATERIALS

Project: MRC Follow-up

Work Order: 2212486

Client Contact: Adam Springer

QC Level: LEVEL 2

Contact's Email: adam.springer@hsd.cccounty.us

Comments:

Date Logged: 12/7/2022

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
003A	#3 Main St. SD	Soil	SW8082 (PCBs Only)	1	8OZ GJ, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12/7/2022 14:21	5 days	12/14/2022		<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).

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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

PUSH

CHAIN OF CUSTODY RECORD

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

Report To: CCHS HAZMAT Bill To: CONTRA COSTA
 Company: Contra Costa Health Hazmat HEALTH SVC. HAZMAT
 Email: adam.springer@cchealth.org
 Alt Email: Trisha.johnson@cchealth.org Tele: (925) 655-3200
 Project Name: MRC Follow-up Project #:
 Project Location: Martinez PO #:
 Sampler Signature: [Signature]

Analysis Requested

SAMPLE ID SD storm drain Location / Field Point	Sampling		#Containers	Matrix	Preservative	CAM17 Metals	EPA 609/8082 PCBs	Metals - Aluminum																			
	Date	Time																									
#1 3528 Pacheco Blvd. SD	12/7/2022	1349	1	S		X	X	X																			
#2 Shell Ave. SD	12/7/2022	1403	1	S		X	X	X																			
#3 Main St. SD	12/7/2022	1421	1	S		X	X	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>	<u>12/7/2022</u>	<u>1548</u>	<u>[Signature]</u>	<u>12/7/2022</u>	<u>1548</u>

Comments / Instructions
CAM17 Aluminium } 24 h
PCBs - No 24 h

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 5.1 °C Initials WEST



Sample Receipt Checklist

Client Name: Contra Costa-Hazardous Materials
 Project: MRC Follow-up
 WorkOrder No: 2212486 Matrix: Soil
 Carrier: Client Drop-In

Date and Time Received: 12/7/2022 15:48
 Date Logged: 12/7/2022
 Received by: Adrianna Cardoza
 Logged by: Adrianna Cardoza

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 checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input 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 checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 5.1°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: