



LAB CHRONICLE

OrderID:	P4921	OrderDate:	11/19/2024 12:44:00 PM
Client:	AECOM	Project:	Meeker Ave Plumes Superfund Site RI FS
Contact:	Amit Haryani	Location:	L61

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4921-01	WC-11-A-202411	TCLP			11/19/24			11/19/24
			TCLP ICP Metals	6010D		11/20/24	11/21/24	
			TCLP Mercury	7470A		11/20/24	11/22/24	



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: P4921

Order ID: P4921

Client: AECOM

Project ID: Meeker Ave Plumes Superfund Site RI FS

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : P4921-01	WC-11-A-202411 WC-11-A-202411	TCLP	Barium	101	J	62.8	500	ug/L



SAMPLE DATA

Report of Analysis

Client:	AECOM	Date Collected:	11/19/24
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	11/19/24
Client Sample ID:	WC-11-A-202411	SDG No.:	P4921
Lab Sample ID:	P4921-01	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	34.8	U	1	34.8	100	ug/L	11/20/24 11:15	11/21/24 17:18	SW6010	SW3050
7440-39-3	Barium	101	J	1	62.8	500	ug/L	11/20/24 11:15	11/21/24 17:18	SW6010	SW3050
7440-43-9	Cadmium	0.94	U	1	0.94	30.0	ug/L	11/20/24 11:15	11/21/24 17:18	SW6010	SW3050
7440-47-3	Chromium	6.60	U	1	6.60	50.0	ug/L	11/20/24 11:15	11/21/24 17:18	SW6010	SW3050
7439-92-1	Lead	35.1	U	1	35.1	60.0	ug/L	11/20/24 11:15	11/21/24 17:18	SW6010	SW3050
7439-97-6	Mercury	0.81	U	1	0.81	2.00	ug/L	11/20/24 12:12	11/22/24 09:18	SW7470A	
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	11/20/24 11:15	11/21/24 17:18	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	11/20/24 11:15	11/21/24 17:18	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	TCLP METALS			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** P4921
Contract: AECO02 **Lab Code:** CHEM **Case No.:** P4921 **SAS No.:** P4921
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV97	Mercury	3.65	4.0	91	90 - 110	CV	11/22/2024	08:52	LB133570



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Client:	<u>AECOM</u>	SDG No.:	<u>P4921</u>				
Contract:	<u>AECO02</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4921</u>	SAS No.:	<u>P4921</u>
Initial Calibration Source:	<u>EPA</u>						
Continuing Calibration Source:	<u>PLASMA-PURE</u>						

Sample ID	Analyte	Result	True Value	%	Acceptance	M	Analysis Date	Analysis Time	Run Number
		ug/L		Recovery	Window (%R)				
CCV31	Mercury	5.22	5.0	104	90 - 110	CV	11/22/2024	08:57	LB133570
CCV32	Mercury	5.03	5.0	101	90 - 110	CV	11/22/2024	09:30	LB133570
CCV33	Mercury	4.88	5.0	98	90 - 110	CV	11/22/2024	09:57	LB133570
CCV34	Mercury	4.92	5.0	98	90 - 110	CV	11/22/2024	10:27	LB133570
CCV35	Mercury	5.39	5.0	108	90 - 110	CV	11/22/2024	10:47	LB133570
CCV36	Mercury	5.31	5.0	106	90 - 110	CV	11/22/2024	11:17	LB133570



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Client:	<u>AECOM</u>	SDG No.:	<u>P4921</u>				
Contract:	<u>AECO02</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4921</u>	SAS No.:	<u>P4921</u>
Initial Calibration Source:	<u>EPA</u>						
Continuing Calibration Source:	Inorganic Ventures						

Sample ID	Analyte	Result	True Value	%	Acceptance	M	Analysis Date	Analysis Time	Run Number
		ug/L		Recovery	Window (%R)				
ICV01	Arsenic	1010	1000	101	90 - 110	P	11/21/2024	12:15	LB133568
	Barium	520	520	100	90 - 110	P	11/21/2024	12:15	LB133568
	Cadmium	512	510	100	90 - 110	P	11/21/2024	12:15	LB133568
	Chromium	518	520	100	90 - 110	P	11/21/2024	12:15	LB133568
	Lead	1020	1000	102	90 - 110	P	11/21/2024	12:15	LB133568
	Selenium	1050	1000	105	90 - 110	P	11/21/2024	12:15	LB133568
	Silver	250	250	100	90 - 110	P	11/21/2024	12:15	LB133568

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM **SDG No.:** P4921
Contract: AECO02 **Lab Code:** CHEM **Case No.:** P4921 **SAS No.:** P4921
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	18.8	20.0	94	80 - 120	P	11/21/2024	12:36	LB133568
	Barium	95.6	100	96	80 - 120	P	11/21/2024	12:36	LB133568
	Cadmium	6.54	6.0	109	80 - 120	P	11/21/2024	12:36	LB133568
	Chromium	9.90	10.0	99	80 - 120	P	11/21/2024	12:36	LB133568
	Lead	11.5	12.0	96	80 - 120	P	11/21/2024	12:36	LB133568
	Selenium	18.5	20.0	92	80 - 120	P	11/21/2024	12:36	LB133568
	Silver	10.6	10.0	106	80 - 120	P	11/21/2024	12:36	LB133568

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM SDG No.: P4921
Contract: AECO02 Lab Code: CHEM Case No.: P4921 SAS No.: P4921
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5110	5000	102	90 - 110	P	11/21/2024	14:02	LB133568
	Barium	9520	10000	95	90 - 110	P	11/21/2024	14:02	LB133568
	Cadmium	2470	2500	99	90 - 110	P	11/21/2024	14:02	LB133568
	Chromium	1020	1000	102	90 - 110	P	11/21/2024	14:02	LB133568
	Lead	5040	5000	101	90 - 110	P	11/21/2024	14:02	LB133568
	Selenium	5150	5000	103	90 - 110	P	11/21/2024	14:02	LB133568
	Silver	1270	1250	102	90 - 110	P	11/21/2024	14:02	LB133568
CCV02	Arsenic	5220	5000	104	90 - 110	P	11/21/2024	15:02	LB133568
	Barium	9650	10000	96	90 - 110	P	11/21/2024	15:02	LB133568
	Cadmium	2510	2500	100	90 - 110	P	11/21/2024	15:02	LB133568
	Chromium	1060	1000	106	90 - 110	P	11/21/2024	15:02	LB133568
	Lead	5130	5000	103	90 - 110	P	11/21/2024	15:02	LB133568
	Selenium	5310	5000	106	90 - 110	P	11/21/2024	15:02	LB133568
	Silver	1300	1250	104	90 - 110	P	11/21/2024	15:02	LB133568
CCV03	Arsenic	4980	5000	100	90 - 110	P	11/21/2024	16:00	LB133568
	Barium	9690	10000	97	90 - 110	P	11/21/2024	16:00	LB133568
	Cadmium	2440	2500	98	90 - 110	P	11/21/2024	16:00	LB133568
	Chromium	1030	1000	103	90 - 110	P	11/21/2024	16:00	LB133568
	Lead	4960	5000	99	90 - 110	P	11/21/2024	16:00	LB133568
	Selenium	5070	5000	101	90 - 110	P	11/21/2024	16:00	LB133568
	Silver	1270	1250	102	90 - 110	P	11/21/2024	16:00	LB133568
CCV04	Arsenic	4940	5000	99	90 - 110	P	11/21/2024	16:53	LB133568
	Barium	9360	10000	94	90 - 110	P	11/21/2024	16:53	LB133568
	Cadmium	2410	2500	96	90 - 110	P	11/21/2024	16:53	LB133568
	Chromium	1010	1000	101	90 - 110	P	11/21/2024	16:53	LB133568
	Lead	4910	5000	98	90 - 110	P	11/21/2024	16:53	LB133568
	Selenium	4980	5000	100	90 - 110	P	11/21/2024	16:53	LB133568
	Silver	1250	1250	100	90 - 110	P	11/21/2024	16:53	LB133568
CCV05	Arsenic	4960	5000	99	90 - 110	P	11/21/2024	17:40	LB133568
	Barium	9520	10000	95	90 - 110	P	11/21/2024	17:40	LB133568
	Cadmium	2420	2500	97	90 - 110	P	11/21/2024	17:40	LB133568
	Chromium	1020	1000	102	90 - 110	P	11/21/2024	17:40	LB133568
	Lead	4930	5000	98	90 - 110	P	11/21/2024	17:40	LB133568
	Selenium	5020	5000	100	90 - 110	P	11/21/2024	17:40	LB133568

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: AECOM SDG No.: P4921
Contract: AECO02 Lab Code: CHEM Case No.: P4921 SAS No.: P4921
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Silver	1260	1250	101	90 - 110	P	11/21/2024	17:40	LB133568
CCV06	Arsenic	5030	5000	101	90 - 110	P	11/21/2024	18:09	LB133568
	Barium	9570	10000	96	90 - 110	P	11/21/2024	18:09	LB133568
	Cadmium	2440	2500	98	90 - 110	P	11/21/2024	18:09	LB133568
	Chromium	1020	1000	102	90 - 110	P	11/21/2024	18:09	LB133568
	Lead	4970	5000	100	90 - 110	P	11/21/2024	18:09	LB133568
	Selenium	5100	5000	102	90 - 110	P	11/21/2024	18:09	LB133568
	Silver	1250	1250	100	90 - 110	P	11/21/2024	18:09	LB133568
CCV07	Arsenic	5030	5000	101	90 - 110	P	11/21/2024	18:44	LB133568
	Barium	9510	10000	95	90 - 110	P	11/21/2024	18:44	LB133568
	Cadmium	2420	2500	97	90 - 110	P	11/21/2024	18:44	LB133568
	Chromium	1010	1000	101	90 - 110	P	11/21/2024	18:44	LB133568
	Lead	4910	5000	98	90 - 110	P	11/21/2024	18:44	LB133568
	Selenium	5130	5000	102	90 - 110	P	11/21/2024	18:44	LB133568
	Silver	1240	1250	99	90 - 110	P	11/21/2024	18:44	LB133568



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Metals

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CRDL STANDARD FOR AA & ICP

Client: AECOM **SDG No.:** P4921
Contract: AECO02 **Lab Code:** CHEM **Case No.:** P4921 **SAS No.:** P4921
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Arsenic	21.2	20.0	106	40 - 160	P	11/21/2024	12:45	LB133568
	Barium	96.2	100	96	40 - 160	P	11/21/2024	12:45	LB133568
	Cadmium	7.10	6.0	118	40 - 160	P	11/21/2024	12:45	LB133568
	Chromium	10.2	10.0	102	40 - 160	P	11/21/2024	12:45	LB133568
	Lead	11.6	12.0	97	40 - 160	P	11/21/2024	12:45	LB133568
	Selenium	20.0	20.0	100	40 - 160	P	11/21/2024	12:45	LB133568
	Silver	10.6	10.0	106	40 - 160	P	11/21/2024	12:45	LB133568
CRA	Mercury	0.20	0.2	98	40 - 160	CV	11/22/2024	09:02	LB133570



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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM

SDG No.: P4921

Contract: AECO02

Lab Code: CHEM

Case No.: P4921

SAS No.: P4921

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB97	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	08:55	LB133570



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Client:	AECOM		SDG No.:	P4921	
Contract:	AECO02	Lab Code:	CHEM	Case No.:	P4921
				SAS No.:	P4921

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB31	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	08:59	LB133570
CCB32	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	09:32	LB133570
CCB33	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	09:59	LB133570
CCB34	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	10:31	LB133570
CCB35	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	10:52	LB133570
CCB36	Mercury	0.20	+/-0.20	U	0.20	CV	11/22/2024	11:19	LB133570

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: AECOM **SDG No.:** P4921
Contract: AECO02 **Lab Code:** CHEM **Case No.:** P4921 **SAS No.:** P4921

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	11/21/2024	12:40	LB133568
	Barium	100	+/-100	U	100	P	11/21/2024	12:40	LB133568
	Cadmium	6.00	+/-6.00	U	6.00	P	11/21/2024	12:40	LB133568
	Chromium	10.0	+/-10.0	U	10.0	P	11/21/2024	12:40	LB133568
	Lead	12.0	+/-12.0	U	12.0	P	11/21/2024	12:40	LB133568
	Selenium	20.0	+/-20.0	U	20.0	P	11/21/2024	12:40	LB133568
	Silver	10.0	+/-10.0	U	10.0	P	11/21/2024	12:40	LB133568

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>AECOM</u>		SDG No.: <u>P4921</u>							
Contract: <u>AECO02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4921</u>	SAS No.: <u>P4921</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	11/21/2024	14:06	LB133568
	Barium	100	+/-100	U	100	P	11/21/2024	14:06	LB133568
	Cadmium	6.00	+/-6.00	U	6.00	P	11/21/2024	14:06	LB133568
	Chromium	10.0	+/-10.0	U	10.0	P	11/21/2024	14:06	LB133568
	Lead	12.0	+/-12.0	U	12.0	P	11/21/2024	14:06	LB133568
	Selenium	20.0	+/-20.0	U	20.0	P	11/21/2024	14:06	LB133568
	Silver	10.0	+/-10.0	U	10.0	P	11/21/2024	14:06	LB133568
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	11/21/2024	15:13	LB133568
	Barium	100	+/-100	U	100	P	11/21/2024	15:13	LB133568
	Cadmium	6.00	+/-6.00	U	6.00	P	11/21/2024	15:13	LB133568
	Chromium	10.0	+/-10.0	U	10.0	P	11/21/2024	15:13	LB133568
	Lead	12.0	+/-12.0	U	12.0	P	11/21/2024	15:13	LB133568
	Selenium	20.0	+/-20.0	U	20.0	P	11/21/2024	15:13	LB133568
	Silver	10.0	+/-10.0	U	10.0	P	11/21/2024	15:13	LB133568
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	11/21/2024	16:04	LB133568
	Barium	100	+/-100	U	100	P	11/21/2024	16:04	LB133568
	Cadmium	6.00	+/-6.00	U	6.00	P	11/21/2024	16:04	LB133568
	Chromium	10.0	+/-10.0	U	10.0	P	11/21/2024	16:04	LB133568
	Lead	12.0	+/-12.0	U	12.0	P	11/21/2024	16:04	LB133568
	Selenium	20.0	+/-20.0	U	20.0	P	11/21/2024	16:04	LB133568
	Silver	10.0	+/-10.0	U	10.0	P	11/21/2024	16:04	LB133568
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	11/21/2024	16:57	LB133568
	Barium	100	+/-100	U	100	P	11/21/2024	16:57	LB133568
	Cadmium	6.00	+/-6.00	U	6.00	P	11/21/2024	16:57	LB133568
	Chromium	10.0	+/-10.0	U	10.0	P	11/21/2024	16:57	LB133568
	Lead	12.0	+/-12.0	U	12.0	P	11/21/2024	16:57	LB133568
	Selenium	20.0	+/-20.0	U	20.0	P	11/21/2024	16:57	LB133568
	Silver	10.0	+/-10.0	U	10.0	P	11/21/2024	16:57	LB133568
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	11/21/2024	17:44	LB133568
	Barium	100	+/-100	U	100	P	11/21/2024	17:44	LB133568
	Cadmium	6.00	+/-6.00	U	6.00	P	11/21/2024	17:44	LB133568
	Chromium	10.0	+/-10.0	U	10.0	P	11/21/2024	17:44	LB133568
	Lead	12.0	+/-12.0	U	12.0	P	11/21/2024	17:44	LB133568
	Selenium	20.0	+/-20.0	U	20.0	P	11/21/2024	17:44	LB133568
	Silver	10.0	+/-10.0	U	10.0	P	11/21/2024	17:44	LB133568
CCB06	Arsenic	20.0	+/-20.0	U	20.0	P	11/21/2024	18:14	LB133568
	Barium	100	+/-100	U	100	P	11/21/2024	18:14	LB133568
	Cadmium	6.00	+/-6.00	U	6.00	P	11/21/2024	18:14	LB133568
	Chromium	10.0	+/-10.0	U	10.0	P	11/21/2024	18:14	LB133568



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Client:	AECOM		SDG No.:	P4921	
Contract:	AECO02	Lab Code:	CHEM	Case No.:	P4921
				SAS No.:	P4921

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	12.0	+/-12.0	U	12.0	P	11/21/2024	18:14	LB133568
	Selenium	20.0	+/-20.0	U	20.0	P	11/21/2024	18:14	LB133568
	Silver	10.0	+/-10.0	U	10.0	P	11/21/2024	18:14	LB133568
CCB07	Arsenic	20.0	+/-20.0	U	20.0	P	11/21/2024	18:48	LB133568
	Barium	100	+/-100	U	100	P	11/21/2024	18:48	LB133568
	Cadmium	6.00	+/-6.00	U	6.00	P	11/21/2024	18:48	LB133568
	Chromium	10.0	+/-10.0	U	10.0	P	11/21/2024	18:48	LB133568
	Lead	12.0	+/-12.0	U	12.0	P	11/21/2024	18:48	LB133568
	Selenium	20.0	+/-20.0	U	20.0	P	11/21/2024	18:48	LB133568
	Silver	10.0	+/-10.0	U	10.0	P	11/21/2024	18:48	LB133568

Metals
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PREPARATION BLANK SUMMARY

Client: AECOM

SDG No.: P4921

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165123TB		WATER		Batch Number:	PB165143		Prep Date:	11/20/2024	
	Mercury	2.00	<2.00	U	2.00	CV	11/22/2024	10:45	LB133570
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165143BL		WATER		Batch Number:	PB165143		Prep Date:	11/20/2024	
	Mercury	0.20	<0.20	U	0.20	CV	11/22/2024	09:14	LB133570

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: AECOM

SDG No.: P4921

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165123TB		WATER		Batch Number:	PB165142		Prep Date:	11/20/2024	
	Arsenic	100	<100	U	100	P	11/21/2024	17:27	LB133568
	Barium	500	<500	U	500	P	11/21/2024	17:27	LB133568
	Cadmium	30.0	<30.0	U	30.0	P	11/21/2024	17:27	LB133568
	Chromium	50.0	<50.0	U	50.0	P	11/21/2024	17:27	LB133568
	Lead	60.0	<60.0	U	60.0	P	11/21/2024	17:27	LB133568
	Selenium	100	<100	U	100	P	11/21/2024	17:27	LB133568
	Silver	50.0	<50.0	U	50.0	P	11/21/2024	17:27	LB133568
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB165142BL		WATER		Batch Number:	PB165142		Prep Date:	11/20/2024	
	Arsenic	100	<100	U	100	P	11/21/2024	17:31	LB133568
	Barium	500	<500	U	500	P	11/21/2024	17:31	LB133568
	Cadmium	30.0	<30.0	U	30.0	P	11/21/2024	17:31	LB133568
	Chromium	50.0	<50.0	U	50.0	P	11/21/2024	17:31	LB133568
	Lead	60.0	<60.0	U	60.0	P	11/21/2024	17:31	LB133568
	Selenium	100	<100	U	100	P	11/21/2024	17:31	LB133568
	Silver	50.0	<50.0	U	50.0	P	11/21/2024	17:31	LB133568

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>AECOM</u>	SDG No.: <u>P4921</u>
Contract: <u>AECO02</u>	Lab Code: <u>CHEM</u>
ICS Source: <u>EPA</u>	Case No.: <u>P4921</u>
	SAS No.: <u>P4921</u>
	Instrument ID: <u>P4</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	4.85			-20	20	11/21/2024	12:49	LB133568
	Barium	2.20	6.0	37	-94	106	11/21/2024	12:49	LB133568
	Cadmium	6.13	1.0	613	-5	7	11/21/2024	12:49	LB133568
	Chromium	59.3	52.0	114	42	62	11/21/2024	12:49	LB133568
	Lead	7.66			-12	12	11/21/2024	12:49	LB133568
	Selenium	-7.87			-20	20	11/21/2024	12:49	LB133568
	Silver	-2.87			-10	10	11/21/2024	12:49	LB133568
ICSAB01	Arsenic	117	104	112	88.4	120	11/21/2024	12:58	LB133568
	Barium	511	537	95	437	637	11/21/2024	12:58	LB133568
	Cadmium	1030	972	106	826	1120	11/21/2024	12:58	LB133568
	Chromium	575	542	106	460	624	11/21/2024	12:58	LB133568
	Lead	59.0	49.0	120	37	61	11/21/2024	12:58	LB133568
	Selenium	43.0	46.0	94	26	66	11/21/2024	12:58	LB133568
	Silver	201	201	100	170	232	11/21/2024	12:58	LB133568



METAL QC DATA



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Fax : 908 789 8922

metals
- 5a -
MATRIX SPIKE SUMMARY

client:

AECOM

level:

low

sdg no.:

P4921

contract:

AECO02

lab code:

CHEM

case no.:

P4921

sas no.:

P4921

matrix:

Water

sample id:

P4921-01

client id:

WC-11-A-202411MS

Percent Solids for Sample:

NA

Spiked ID:

P4921-01MS

Percent Solids for Spike Sample:

NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	37.7		2.00	U	40.0	94		CV



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Fax : 908 789 8922

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:

AECOM

level:

low

sdg no.:

P4921

contract:

AECO02

lab code:

CHEM

case no.:

P4921

sas no.:

P4921

matrix:

Water

sample id:

P4921-01

client id:

WC-11-A-202411MSD

Percent Solids for Sample:

NA

Spiked ID:

P4921-01MSD

Percent Solids for Spike Sample:

NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	38.9		2.00	U	40.0	97		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>AECOM</u>	level: <u>low</u>	sdg no.: <u>P4921</u>
contract: <u>AECO02</u>	lab code: <u>CHEM</u>	case no.: <u>P4921</u> sas no.: <u>P4921</u>
matrix: <u>Water</u>	sample id: <u>P4929-02</u>	client id: <u>ARS520MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>P4929-02MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3870		100	U	4000	97		P
Barium	ug/L	75 - 125	1740		827		1000	91		P
Cadmium	ug/L	75 - 125	918		5.50	J	1000	91		P
Chromium	ug/L	75 - 125	1940		10.8	J	2000	97		P
Lead	ug/L	75 - 125	4460		52.7	J	5000	88		P
Selenium	ug/L	75 - 125	9560		100	U	10000	96		P
Silver	ug/L	75 - 125	353		50.0	U	380	93		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>AECOM</u>	level: <u>low</u>	sdg no.: <u>P4921</u>
contract: <u>AECO02</u>	lab code: <u>CHEM</u>	case no.: <u>P4921</u> sas no.: <u>P4921</u>
matrix: <u>Water</u>	sample id: <u>P4929-02</u>	client id: <u>ARS520MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>P4929-02MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4080		100	U	4000	102		P
Barium	ug/L	75 - 125	1850		827		1000	103		P
Cadmium	ug/L	75 - 125	972		5.50	J	1000	97		P
Chromium	ug/L	75 - 125	2050		10.8	J	2000	102		P
Lead	ug/L	75 - 125	4710		52.7	J	5000	93		P
Selenium	ug/L	75 - 125	10000		100	U	10000	100		P
Silver	ug/L	75 - 125	375		50.0	U	380	99		P

Metals
- 5b -

Client: AECOM

SDG No.: P4921

Contract: AEEO02

Lab Code: CHEM

Case No.: P4921

SAS No.: P4921

Matrix:

Level: LOW

Client ID:

Sample ID:

Spiked ID:

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>AECOM</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4921</u>
Contract:	<u>AECO02</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4921</u>
Matrix:	<u>Water</u>	Sample ID:	<u>P4921-01</u>	Client ID:	<u>WC-11-A-202411DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	P4921-01DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	2.00	U	2.00	U			CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>AECOM</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4921</u>
Contract:	<u>AECO02</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4921</u>
Matrix:	<u>Water</u>	Sample ID:	<u>P4921-01MS</u>	Client ID:	<u>WC-11-A-202411MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	P4921-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	37.7		38.9		3		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** P4921
Contract: AECO02 **Lab Code:** CHEM **Case No.:** P4921 **SAS No.:** P4921
Matrix: Water **Sample ID:** P4929-02 **Client ID:** ARS520DUP
Percent Solids for Sample: NA **Duplicate ID** P4929-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	827		875		6		P
Cadmium	ug/L	20	5.50	J	4.68	J	16		P
Chromium	ug/L	20	10.8	J	10.8	J	1		P
Lead	ug/L	20	52.7	J	49.9	J	5		P
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: AECOM **Level:** LOW **SDG No.:** P4921
Contract: AECO02 **Lab Code:** CHEM **Case No.:** P4921 **SAS No.:** P4921
Matrix: Water **Sample ID:** P4929-02MS **Client ID:** ARS520MSD
Percent Solids for Sample: NA **Duplicate ID** P4929-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	3870		4080		5		P
Barium	ug/L	20	1740		1850		6		P
Cadmium	ug/L	20	918		972		6		P
Chromium	ug/L	20	1940		2050		6		P
Lead	ug/L	20	4460		4710		5		P
Selenium	ug/L	20	9560		10000		4		P
Silver	ug/L	20	353		375		6		P

Metals
- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM

SDG No.: P4921

Contract: AECO02

Lab Code: CHEM

Case No.: P4921

SAS No.: P4921

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165142BS							
Arsenic	ug/L	4000	3780		94	80 - 120	P
Barium	ug/L	1000	930		93	80 - 120	P
Cadmium	ug/L	1000	932		93	80 - 120	P
Chromium	ug/L	2000	1970		98	80 - 120	P
Lead	ug/L	5000	4730		95	80 - 120	P
Selenium	ug/L	10000	9540		95	80 - 120	P
Silver	ug/L	380	368		97	80 - 120	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: AECOM **SDG No.:** P4921
Contract: AECO02 **Lab Code:** CHEM **Case No.:** P4921 **SAS No.:** P4921

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165143BS Mercury	ug/L	4.0	4.32		108	80 - 120	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

WC-11-A-202411L

Lab Name: Chemtech Consulting Group **Contract:** AECO02
Lab Code: CHEM **Lb No.:** lb133570 **Lab Sample ID :** P4921-01L **SDG No.:** P4921
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	2.00 U	10.0 U			CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

ARS520L

Lab Name: Chemtech Consulting Group

Contract: AECO02

Lab Code: CHEM **Lb No.:** lb133568

Lab Sample ID : P4929-02L **SDG No.:** P4921

Matrix (soil/water): Water

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
		C		C			
Arsenic	100	U	500	U			P
Barium	827		814	J	2		P
Cadmium	5.50	J	150	U	100.0		P
Chromium	10.8	J	250	U	100.0		P
Lead	52.7	J	300	U	100.0		P
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: AECOM

SDG No.: P4921

Contract: AECO02

Lab Code: CHEM

Case No.: P4921

SAS No.: P4921

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: AECOM SDG No.: P4921
 Contract: AECO02 Lab Code: CHEM Case No.: P4921 SAS No.: P4921
 Instrument ID: _____ Date: _____
 Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: AECOM SDG No.: P4921
 Contract: AECO02 Lab Code: CHEM Case No.: P4921 SAS No.: P4921
 Instrument ID: _____ Date: _____
 Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: AECOM

SDG No.: P4921

Contract: AECO02

Lab Code: CHEM

Case No.: P4921

SAS No.: P4921

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: AECOM

SDG No.: P4921

Contract: AECO02

Lab Code: CHEM

Case No.: P4921

SAS No.: P4921

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client:	<u>AECOM</u>	SDG No.:	<u>P4921</u>
Contract:	<u>AECO02</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P4921</u>
		SAS No.:	<u>P4921</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165142							
P4921-01	WC-11-A-202411	SAM	WATER	11/20/2024	5.0	25.0	
P4929-02DUP	ARS520DUP	DUP	WATER	11/20/2024	5.0	25.0	
P4929-02MS	ARS520MS	MS	WATER	11/20/2024	5.0	25.0	
P4929-02MSD	ARS520MSD	MSD	WATER	11/20/2024	5.0	25.0	
PB165123TB	PB165123TB	MB	WATER	11/20/2024	5.0	25.0	
PB165142BL	PB165142BL	MB	WATER	11/20/2024	5.0	25.0	
PB165142BS	PB165142BS	LCS	WATER	11/20/2024	5.0	25.0	



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Metals
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SAMPLE PREPARATION SUMMARY

Client: AECOM

SDG No.: P4921

Contract: AEEO02

Lab Code: CHEM

Method:

Case No.: P4921

SAS No.: P4921

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165143							
P4921-01	WC-11-A-202411	SAM	WATER	11/20/2024	3.0	30.0	
P4921-01DUP	WC-11-A-202411DUP	DUP	WATER	11/20/2024	3.0	30.0	
P4921-01MS	WC-11-A-202411MS	MS	WATER	11/20/2024	3.0	30.0	
P4921-01MSD	WC-11-A-202411MSD	MSD	WATER	11/20/2024	3.0	30.0	
PB165123TB	PB165123TB	MB	WATER	11/20/2024	3.0	30.0	
PB165143BL	PB165143BL	MB	WATER	11/20/2024	30.0	30.0	
PB165143BS	PB165143BS	LCS	WATER	11/20/2024	30.0	30.0	

metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: CHEM **Case no.:** P4921 **Sas no.:** P4921 **Sdg no.:** P4921

Instrument id number: **Method:** **Run number:** LB133568

Start date: 11/21/2024 **End date:** 11/21/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1149	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1154	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1158	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1202	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1206	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1211	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1215	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1236	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1240	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1245	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1249	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1258	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1402	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1406	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1502	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1513	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1600	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1604	Ag,As,Ba,Cd,Cr,Pb,Se
P4929-02DUP	ARS520DUP	1	1648	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1653	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1657	Ag,As,Ba,Cd,Cr,Pb,Se
P4929-02L	ARS520L	5	1701	Ag,As,Ba,Cd,Cr,Pb,Se
P4929-02MS	ARS520MS	1	1705	Ag,As,Ba,Cd,Cr,Pb,Se
P4929-02MSD	ARS520MSD	1	1710	Ag,As,Ba,Cd,Cr,Pb,Se
P4921-01	WC-11-A-202411	1	1718	Ag,As,Ba,Cd,Cr,Pb,Se
PB165123TB	PB165123TB	1	1727	Ag,As,Ba,Cd,Cr,Pb,Se
PB165142BL	PB165142BL	1	1731	Ag,As,Ba,Cd,Cr,Pb,Se
PB165142BS	PB165142BS	1	1735	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1740	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1744	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1809	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1814	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	1844	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	1848	Ag,As,Ba,Cd,Cr,Pb,Se

metals
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ANALYSIS RUN LOG

Client: AECOM **Contract:** AECO02

Lab code: CHEM **Case no.:** P4921 **Sas no.:** P4921 **Sdg no.:** P4921

Instrument id number: **Method:** **Run number:** LB133570

Start date: 11/22/2024 **End date:** 11/22/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0829	HG
S0.2	S0.2	1	0831	HG
S2.5	S2.5	1	0834	HG
S5	S5	1	0836	HG
S7.5	S7.5	1	0838	HG
S10	S10	1	0847	HG
ICV97	ICV97	1	0852	HG
ICB97	ICB97	1	0855	HG
CCV31	CCV31	1	0857	HG
CCB31	CCB31	1	0859	HG
CRA	CRA	1	0902	HG
PB165143BL	PB165143BL	1	0914	HG
PB165143BS	PB165143BS	1	0916	HG
P4921-01	WC-11-A-202411	1	0918	HG
P4921-01DUP	WC-11-A-202411DUP	1	0921	HG
P4921-01MS	WC-11-A-202411MS	1	0923	HG
P4921-01MSD	WC-11-A-202411MSD	1	0925	HG
CCV32	CCV32	1	0930	HG
CCB32	CCB32	1	0932	HG
CCV33	CCV33	1	0957	HG
CCB33	CCB33	1	0959	HG
CCV34	CCV34	1	1027	HG
CCB34	CCB34	1	1031	HG
PB165123TB	PB165123TB	1	1045	HG
CCV35	CCV35	1	1047	HG
CCB35	CCB35	1	1052	HG
P4921-01L	WC-11-A-202411L	5	1054	HG
CCV36	CCV36	1	1117	HG
CCB36	CCB36	1	1119	HG