



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

SDG No.: P4424

Order ID: P4424

Client: XRDS Recycling

Project ID: XRDS Recycling

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								

A
B
C
D
E
F
G
H
I
J



SAMPLE DATA

Report of Analysis

Client:	XRDS Recycling	Date Collected:	09/25/24
Project:	XRDS Recycling	Date Received:	09/25/24
Client Sample ID:	1-N-1	SDG No.:	P4424
Lab Sample ID:	P4424-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-22-4	Silver	0.58	UN	1	0.58	5.00	ug/L	10/21/24 11:45	10/23/24 19:49	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	SPLP MetalGroup4			

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

Report of Analysis

Client:	XRDS Recycling	Date Collected:	09/25/24
Project:	XRDS Recycling	Date Received:	09/25/24
Client Sample ID:	1-S-1	SDG No.:	P4424
Lab Sample ID:	P4424-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-22-4	Silver	0.58	UN	1	0.58	5.00	ug/L	10/21/24 11:45	10/23/24 20:25	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	SPLP MetalGroup4			

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

Report of Analysis

Client:	XRDS Recycling	Date Collected:	09/25/24
Project:	XRDS Recycling	Date Received:	09/25/24
Client Sample ID:	1-B-1	SDG No.:	P4424
Lab Sample ID:	P4424-03	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-22-4	Silver	0.58	UN	1	0.58	5.00	ug/L	10/21/24 11:45	10/23/24 20:30	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	SPLP MetalGroup4			

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



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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: XRDS Recycling **SDG No.:** P4424
Contract: XRDS01 **Lab Code:** CHEM **Case No.:** P4424 **SAS No.:** P4424

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	15:16	LB133086

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: XRDS Recycling **SDG No.:** P4424
Contract: XRDS01 **Lab Code:** CHEM **Case No.:** P4424 **SAS No.:** P4424

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Silver	1.20	+/-10.0	J	10.0	P	10/23/2024	16:02	LB133086
CCB02	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	16:52	LB133086
CCB03	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	17:46	LB133086
CCB04	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	18:36	LB133086
CCB05	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	19:28	LB133086
CCB06	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	20:21	LB133086
CCB07	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	21:34	LB133086
CCB08	Silver	10.0	+/-10.0	U	10.0	P	10/23/2024	22:25	LB133086

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: XRDS Recycling **SDG No.:** P4424
Contract: XRDS01 **Lab Code:** CHEM **Case No.:** P4424 **SAS No.:** P4424

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	13:34	LB133110

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: XRDS Recycling **SDG No.:** P4424
Contract: XRDS01 **Lab Code:** CHEM **Case No.:** P4424 **SAS No.:** P4424

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	14:11	LB133110
CCB02	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	14:57	LB133110
CCB03	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	15:12	LB133110
CCB04	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	16:02	LB133110
CCB05	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	16:59	LB133110
CCB06	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	17:50	LB133110
CCB07	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	18:41	LB133110
CCB08	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	19:45	LB133110
CCB09	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	20:36	LB133110
CCB10	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	21:28	LB133110
CCB11	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	22:20	LB133110
CCB12	Silver	10.0	+/-10.0	U	10.0	P	10/24/2024	23:13	LB133110
CCB13	Silver	10.0	+/-10.0	U	10.0	P	10/25/2024	00:02	LB133110
CCB14	Silver	10.0	+/-10.0	U	10.0	P	10/25/2024	00:56	LB133110
CCB15	Silver	10.0	+/-10.0	U	10.0	P	10/25/2024	01:50	LB133110
CCB16	Silver	10.0	+/-10.0	U	10.0	P	10/25/2024	02:48	LB133110

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: XRDS Recycling

SDG No.: P4424

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164299BL		WATER		Batch Number:	PB164299		Prep Date:	10/21/2024	
	Silver	5.00	<5.00	U	5.00	P	10/24/2024	23:00	LB133110
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB164299TB		WATER		Batch Number:	PB164299		Prep Date:	10/21/2024	
	Silver	5.00	<5.00	U	5.00	P	10/24/2024	22:56	LB133110



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: XRDS Recycling **SDG No.:** P4424
Contract: XRDS01 **Lab Code:** CHEM **Case No.:** P4424 **SAS No.:** P4424
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
ICV01	Silver	256	250	102	90 - 110	P	10/23/2024	14:59	LB133086

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: XRDS Recycling **SDG No.:** P4424
Contract: XRDS01 **Lab Code:** CHEM **Case No.:** P4424 **SAS No.:** P4424
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	Silver	10.3	10.0	103	80 - 120	P	10/23/2024	15:11	LB133086

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: XRDS Recycling **SDG No.:** P4424
Contract: XRDS01 **Lab Code:** CHEM **Case No.:** P4424 **SAS No.:** P4424
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	Silver	1250	1250	100	90 - 110	P	10/23/2024	15:57	LB133086
CCV02	Silver	1200	1250	96	90 - 110	P	10/23/2024	16:48	LB133086
CCV03	Silver	1230	1250	98	90 - 110	P	10/23/2024	17:42	LB133086
CCV04	Silver	1250	1250	100	90 - 110	P	10/23/2024	18:32	LB133086
CCV05	Silver	1210	1250	97	90 - 110	P	10/23/2024	19:23	LB133086
CCV06	Silver	1220	1250	98	90 - 110	P	10/23/2024	20:15	LB133086
CCV07	Silver	1170	1250	94	90 - 110	P	10/23/2024	21:28	LB133086
CCV08	Silver	1220	1250	97	90 - 110	P	10/23/2024	22:20	LB133086

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: XRDS Recycling **SDG No.:** P4424
Contract: XRDS01 **Lab Code:** CHEM **Case No.:** P4424 **SAS No.:** P4424
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
ICV01	Silver	264	250	106	90 - 110	P	10/24/2024	13:26	LB133110

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: XRDS Recycling **SDG No.:** P4424
Contract: XRDS01 **Lab Code:** CHEM **Case No.:** P4424 **SAS No.:** P4424
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	Silver	11.0	10.0	110	80 - 120	P	10/24/2024	13:30	LB133110

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: XRDS Recycling **SDG No.:** P4424
Contract: XRDS01 **Lab Code:** CHEM **Case No.:** P4424 **SAS No.:** P4424
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	Silver	1250	1250	100	90 - 110	P	10/24/2024	14:06	LB133110
CCV02	Silver	1240	1250	99	90 - 110	P	10/24/2024	14:53	LB133110
CCV03	Silver	1240	1250	99	90 - 110	P	10/24/2024	15:06	LB133110
CCV04	Silver	1260	1250	100	90 - 110	P	10/24/2024	15:58	LB133110
CCV05	Silver	1240	1250	99	90 - 110	P	10/24/2024	16:55	LB133110
CCV06	Silver	1240	1250	99	90 - 110	P	10/24/2024	17:46	LB133110
CCV07	Silver	1230	1250	98	90 - 110	P	10/24/2024	18:37	LB133110
CCV08	Silver	1260	1250	101	90 - 110	P	10/24/2024	19:32	LB133110
CCV09	Silver	1220	1250	98	90 - 110	P	10/24/2024	20:31	LB133110
CCV10	Silver	1240	1250	99	90 - 110	P	10/24/2024	21:22	LB133110
CCV11	Silver	1300	1250	104	90 - 110	P	10/24/2024	22:15	LB133110
CCV12	Silver	1220	1250	98	90 - 110	P	10/24/2024	23:09	LB133110
CCV13	Silver	1180	1250	95	90 - 110	P	10/24/2024	23:58	LB133110
CCV14	Silver	1230	1250	99	90 - 110	P	10/25/2024	00:52	LB133110
CCV15	Silver	1210	1250	97	90 - 110	P	10/25/2024	01:45	LB133110
CCV16	Silver	1190	1250	96	90 - 110	P	10/25/2024	02:44	LB133110



Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Silver	10.1	10.0	101	40 - 160	P	10/23/2024	15:22	LB133086
CRI01	Silver	10.6	10.0	106	40 - 160	P	10/24/2024	13:38	LB133110

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: XRDS Recycling **SDG No.:** P4424
Contract: XRDS01 **Lab Code:** CHEM **Case No.:** P4424 **SAS No.:** P4424
ICS Source: EPA **Instrument ID:** P4

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	Silver	0.40			-10	10	10/23/2024	15:26	LB133086
ICSAB01	Silver	206	201	102	170	232	10/23/2024	15:32	LB133086
ICSA01	Silver	0.37			-10	10	10/24/2024	13:43	LB133110
ICSAB01	Silver	230	201	114	170	232	10/24/2024	13:54	LB133110



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: XRDS Recycling level: low sdg no.: P4424
contract: XRDS01 lab code: CHEM case no.: P4424 sas no.: P4424
matrix: Water sample id: P4424-01 client id: 1-N-1MS
Percent Solids for Sample: NA Spiked ID: P4424-01MS Percent Solids for Spike Sample: NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Silver	ug/L	75 - 125	21.9		5.00	U	37.5	58	N	P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: XRDS Recycling **level:** low **sdg no.:** P4424
contract: XRDS01 **lab code:** CHEM **case no.:** P4424 **sas no.:** P4424
matrix: Water **sample id:** P4424-01 **client id:** 1-N-1MSD
Percent Solids for Sample: NA **Spiked ID:** P4424-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Silver	ug/L	75 - 125	22.8		5.00	U	37.5	61	N	P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: XRDS Recycling **SDG No.:** P4424
Contract: XRDS01 **Lab Code:** CHEM **Case No.:** P4424 **SAS No.:** P4424
Matrix: Water **Level:** LOW **Client ID:** 1-N-1A
Sample ID: P4424-01 **Spiked ID:** P4424-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Silver	ug/L	75 - 125	21.4		5.00	U	37.5	57		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>XRDS Recycling</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4424</u>
Contract:	<u>XRDS01</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4424</u>
Matrix:	<u>Water</u>	Sample ID:	<u>P4424-01</u>	Client ID:	<u>1-N-1DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	P4424-01DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Silver	ug/L	20	5.00	U	5.00	U			P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>XRDS Recycling</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4424</u>
Contract:	<u>XRDS01</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4424</u>
Matrix:	<u>Water</u>	Sample ID:	<u>P4424-01MS</u>	Client ID:	<u>1-N-1MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	P4424-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Silver	ug/L	20	21.9		22.8		4		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: XRDS Recycling

SDG No.: P4424

Contract: XRDS01

Lab Code: CHEM

Case No.: P4424

SAS No.: P4424

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164299BS Silver	ug/L	37.5	37.9		101	80 - 120	P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

1-N-1L

Lab Name: Chemtech Consulting Group

Contract: XRDS01

Lab Code: CHEM

Lb No.: lb133086

Lab Sample ID : P4424-01L

SDG No.: P4424

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
Silver	5.00 U	25.0 U			P

metals
- 14 -
ANALYSIS RUN LOG

Client: XRDS Recycling **Contract:** XRDS01

Lab code: CHEM **Case no.:** P4424 **Sas no.:** P4424 **Sdg no.:** P4424

Instrument id number: **Method:** **Run number:** LB133086

Start date: 10/23/2024 **End date:** 10/23/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1424	Ag
S1	S1	1	1428	Ag
S2	S2	1	1432	Ag
S3	S3	1	1437	Ag
S4	S4	1	1441	Ag
S5	S5	1	1445	Ag
ICV01	ICV01	1	1459	Ag
LLICV01	LLICV01	1	1511	Ag
ICB01	ICB01	1	1516	Ag
CRI01	CRI01	1	1522	Ag
ICSA01	ICSA01	1	1526	Ag
ICSAB01	ICSAB01	1	1532	Ag
CCV01	CCV01	1	1557	Ag
CCB01	CCB01	1	1602	Ag
CCV02	CCV02	1	1648	Ag
CCB02	CCB02	1	1652	Ag
CCV03	CCV03	1	1742	Ag
CCB03	CCB03	1	1746	Ag
CCV04	CCV04	1	1832	Ag
CCB04	CCB04	1	1836	Ag
CCV05	CCV05	1	1923	Ag
CCB05	CCB05	1	1928	Ag
P4424-01	1-N-1	1	1949	Ag
P4424-01DUP	1-N-1DUP	1	1953	Ag
P4424-01L	1-N-1L	5	1958	Ag
P4424-01MS	1-N-1MS	1	2002	Ag
P4424-01MSD	1-N-1MSD	1	2006	Ag
P4424-01A	1-N-1A	1	2011	Ag
CCV06	CCV06	1	2015	Ag
CCB06	CCB06	1	2021	Ag
P4424-02	1-S-1	1	2025	Ag
P4424-03	1-B-1	1	2030	Ag
CCV07	CCV07	1	2128	Ag
CCB07	CCB07	1	2134	Ag
CCV08	CCV08	1	2220	Ag
CCB08	CCB08	1	2225	Ag

metals
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ANALYSIS RUN LOG

Client: XRDS Recycling **Contract:** XRDS01

Lab code: CHEM **Case no.:** P4424 **Sas no.:** P4424 **Sdg no.:** P4424

Instrument id number: **Method:** **Run number:** LB133110

Start date: 10/24/2024 **End date:** 10/25/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1214	Ag
S1	S1	1	1218	Ag
S2	S2	1	1223	Ag
S3	S3	1	1227	Ag
S4	S4	1	1231	Ag
S5	S5	1	1235	Ag
ICV01	ICV01	1	1326	Ag
LLICV01	LLICV01	1	1330	Ag
ICB01	ICB01	1	1334	Ag
CRI01	CRI01	1	1338	Ag
ICSA01	ICSA01	1	1343	Ag
ICSAB01	ICSAB01	1	1354	Ag
CCV01	CCV01	1	1406	Ag
CCB01	CCB01	1	1411	Ag
CCV02	CCV02	1	1453	Ag
CCB02	CCB02	1	1457	Ag
CCV03	CCV03	1	1506	Ag
CCB03	CCB03	1	1512	Ag
CCV04	CCV04	1	1558	Ag
CCB04	CCB04	1	1602	Ag
CCV05	CCV05	1	1655	Ag
CCB05	CCB05	1	1659	Ag
CCV06	CCV06	1	1746	Ag
CCB06	CCB06	1	1750	Ag
CCV07	CCV07	1	1837	Ag
CCB07	CCB07	1	1841	Ag
CCV08	CCV08	1	1932	Ag
CCB08	CCB08	1	1945	Ag
CCV09	CCV09	1	2031	Ag
CCB09	CCB09	1	2036	Ag
CCV10	CCV10	1	2122	Ag
CCB10	CCB10	1	2128	Ag
CCV11	CCV11	1	2215	Ag
CCB11	CCB11	1	2220	Ag
PB164299TB	PB164299TB	1	2256	Ag
PB164299BL	PB164299BL	1	2300	Ag
PB164299BS	PB164299BS	1	2305	Ag
CCV12	CCV12	1	2309	Ag
CCB12	CCB12	1	2313	Ag
CCV13	CCV13	1	2358	Ag
CCB13	CCB13	1	0002	Ag

metals
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ANALYSIS RUN LOG

Client: XRDS Recycling

Contract: XRDS01

Lab code: CHEM **Case no.:** P4424 **Sas no.:** P4424

Sdg no.: P4424

Instrument id number: **Method:**

Run number: LB133110

Start date: 10/24/2024 **End date:** 10/25/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV14	CCV14	1	0052	Ag
CCB14	CCB14	1	0056	Ag
CCV15	CCV15	1	0145	Ag
CCB15	CCB15	1	0150	Ag
CCV16	CCV16	1	0244	Ag
CCB16	CCB16	1	0248	Ag



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: XRDS Recycling **SDG No.:** P4424
Contract: XRDS01 **Lab Code:** CHEM **Case No.:** P4424 **SAS No.:** P4424
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
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: XRDS Recycling

SDG No.: P4424

Contract: XRDS01

Lab Code: CHEM

Case No.: P4424

SAS No.: P4424

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
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: XRDS Recycling

SDG No.: P4424

Contract: XRDS01

Lab Code: CHEM

Case No.: P4424

SAS No.: P4424

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
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: XRDS Recycling

SDG No.: P4424

Contract: XRDS01

Lab Code: CHEM

Case No.: P4424

SAS No.: P4424

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
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: XRDS Recycling

SDG No.: P4424

Contract: XRDS01

Lab Code: CHEM

Case No.: P4424

SAS No.: P4424

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
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000

LAB CHRONICLE

OrderID:	P4424	OrderDate:	10/16/2024 2:51:00 PM
Client:	XRDS Recycling	Project:	XRDS Recycling
Contact:	Environmental Team	Location:	K51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4424-01	1-N-1	Water	SPLP MetalGroup4	6010D	09/25/24	10/21/24	10/23/24	09/25/24
P4424-02	1-S-1	Water	SPLP MetalGroup4	6010D	09/25/24	10/21/24	10/23/24	09/25/24
P4424-03	1-B-1	Water	SPLP MetalGroup4	6010D	09/25/24	10/21/24	10/23/24	09/25/24



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>XRDS Recycling</u>	SDG No.:	<u>P4424</u>
Contract:	<u>XRDS01</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P4424</u>
		SAS No.:	<u>P4424</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB164299							
P4424-01	1-N-1	SAM	WATER	10/21/2024	50.0	25.0	
P4424-01DUP	1-N-1DUP	DUP	WATER	10/21/2024	50.0	25.0	
P4424-01MS	1-N-1MS	MS	WATER	10/21/2024	50.0	25.0	
P4424-01MSD	1-N-1MSD	MSD	WATER	10/21/2024	50.0	25.0	
P4424-02	1-S-1	SAM	WATER	10/21/2024	50.0	25.0	
P4424-03	1-B-1	SAM	WATER	10/21/2024	50.0	25.0	
PB164299BL	PB164299BL	MB	WATER	10/21/2024	50.0	25.0	
PB164299BS	PB164299BS	LCS	WATER	10/21/2024	50.0	25.0	
PB164299TB	PB164299TB	MB	WATER	10/21/2024	50.0	25.0	

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712		
ICV Standard	mp82485		
CCV Standard	MP82488		
ICSA Standard	MP82486 MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491 MP82492		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/23/24 14:24		Kareem	OK
2	S1	S1	CAL2	10/23/24 14:28		Kareem	OK
3	S2	S2	CAL3	10/23/24 14:32		Kareem	OK
4	S3	S3	CAL4	10/23/24 14:37		Kareem	OK
5	S4	S4	CAL5	10/23/24 14:41		Kareem	OK
6	S5	S5	CAL6	10/23/24 14:45		Kareem	OK
7	ICV01	ICV01	ICV	10/23/24 14:59		Kareem	OK
8	LLICV01	LLICV01	LLICV	10/23/24 15:11		Kareem	OK
9	ICB01	ICB01	ICB	10/23/24 15:16		Kareem	OK
10	CRI01	CRI01	CRDL	10/23/24 15:22		Kareem	OK
11	ICSA01	ICSA01	ICSA	10/23/24 15:26		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	10/23/24 15:32		Kareem	OK
13	ICSADL	ICSADL	ICSA	10/23/24 15:36		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	10/23/24 15:40		Kareem	OK
15	CCV01	CCV01	CCV	10/23/24 15:57		Kareem	OK
16	CCB01	CCB01	CCB	10/23/24 16:02		Kareem	OK
17	P4458-02	280517	SAM	10/23/24 16:06		Kareem	OK
18	P4458-01	280517	SAM	10/23/24 16:10		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712		
ICV Standard	mp82485		
CCV Standard	MP82488		
ICSA Standard	MP82486 MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491 MP82492		

19	P4443-05	OG-315-HR-502-COM	SAM	10/23/24 16:15		Kareem	OK
20	P4443-10	OG-315-HR-502-COM	SAM	10/23/24 16:19		Kareem	OK
21	P4443-01	OG-315-HR-502-COM	SAM	10/23/24 16:23		Kareem	OK
22	P4443-06	OG-315-HR-502-COM	SAM	10/23/24 16:28		Kareem	OK
23	P4452-01	ETGI-285	SAM	10/23/24 16:32	Ca,Cr high	Kareem	Dilution
24	P4452-01DL	ETGI-285DL	SAM	10/23/24 16:44	5x for Ca,Cr	Kareem	Confirms
25	CCV02	CCV02	CCV	10/23/24 16:48		Kareem	OK
26	CCB02	CCB02	CCB	10/23/24 16:52		Kareem	OK
27	P4397-06	WB-301-BOT	SAM	10/23/24 16:59		Kareem	OK
28	P4460-04	WB-303-BOT	SAM	10/23/24 17:03		Kareem	OK
29	P4460-04DUP	WB-303-BOTDUP	DUP	10/23/24 17:08		Kareem	OK
30	P4460-04L	WB-303-BOTL	SD	10/23/24 17:12		Kareem	OK
31	P4460-04MS	WB-303-BOTMS	MS	10/23/24 17:17	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
32	P4460-04MSD	WB-303-BOTMSD	MSD	10/23/24 17:21	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
33	P4460-04A	WB-303-BOTA	PS	10/23/24 17:25	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
34	PB164261TB	PB164261TB	MB	10/23/24 17:29		Kareem	OK
35	PB164298BL	PB164298BL	MB	10/23/24 17:34		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712
ICV Standard	mp82485
CCV Standard	MP82488
ICSA Standard	MP82486 MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491 MP82492

36	PB164298BS	PB164298BS	LCS	10/23/24 17:38	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
37	CCV03	CCV03	CCV	10/23/24 17:42		Kareem	OK
38	CCB03	CCB03	CCB	10/23/24 17:46		Kareem	OK
39	P4456-01	PAD-10182024	SAM	10/23/24 17:51		Kareem	OK
40	P4460-02	WB-303-TOP	SAM	10/23/24 17:55		Kareem	OK
41	P4460-03	WB-303-BOT	SAM	10/23/24 17:59		Kareem	OK
42	P4460-03DUP	WB-303-BOTDUP	DUP	10/23/24 18:04		Kareem	OK
43	P4460-03L	WB-303-BOTL	SD	10/23/24 18:08		Kareem	OK
44	P4460-03MS	WB-303-BOTMS	MS	10/23/24 18:12		Kareem	OK
45	P4460-03MSD	WB-303-BOTMSD	MSD	10/23/24 18:16		Kareem	OK
46	P4460-03A	WB-303-BOTA	PS	10/23/24 18:20		Kareem	OK
47	PB164289BL	PB164289BL	MB	10/23/24 18:24	Fail for Al	Kareem	Not Ok
48	PB164289BS	PB164289BS	LCS	10/23/24 18:28	Fail for Al,Sb,As,Ba,Be,Cd,Pb,Mg, Mn,Se,Tl,V	Kareem	Not Ok
49	CCV04	CCV04	CCV	10/23/24 18:32		Kareem	OK
50	CCB04	CCB04	CCB	10/23/24 18:36		Kareem	OK
51	PB164244BL	PB164244BL	MB	10/23/24 18:41		Kareem	OK
52	PB164244BS	PB164244BS	LCS	10/23/24 18:45	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712		
ICV Standard	mp82485		
CCV Standard	MP82488		
ICSA Standard	MP82486 MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491 MP82492		

53	PB164195TB	PB164195TB	MB	10/23/24 18:49		Kareem	OK
54	PB164197TB	PB164197TB	MB	10/23/24 18:54		Kareem	OK
55	PB164248BL	PB164248BL	MB	10/23/24 18:58		Kareem	OK
56	PB164248BS	PB164248BS	LCS	10/23/24 19:03	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
57	PB164174BL	PB164174BL	MB	10/23/24 19:07		Kareem	OK
58	PB164174BS	PB164174BS	LCS	10/23/24 19:11	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
59	PB164221BL	PB164221BL	MB	10/23/24 19:15		Kareem	OK
60	PB164221BS	PB164221BS	LCS	10/23/24 19:19	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
61	CCV05	CCV05	CCV	10/23/24 19:23		Kareem	OK
62	CCB05	CCB05	CCB	10/23/24 19:28		Kareem	OK
63	PB164222BL	PB164222BL	MB	10/23/24 19:32		Kareem	OK
64	PB164222BS	PB164222BS	LCS	10/23/24 19:36	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
65	PB164220BL	PB164220BL	MB	10/23/24 19:40		Kareem	OK
66	PB164220BS	PB164220BS	LCS	10/23/24 19:45	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
67	P4424-01	1-N-1	SAM	10/23/24 19:49		Kareem	OK
68	P4424-01DUP	1-N-1DUP	DUP	10/23/24 19:53		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712		
ICV Standard	mp82485		
CCV Standard	MP82488		
ICSA Standard	MP82486 MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491 MP82492		

69	P4424-01L	1-N-1L	SD	10/23/24 19:58		Kareem	OK
70	P4424-01MS	1-N-1MS	MS	10/23/24 20:02	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
71	P4424-01MSD	1-N-1MSD	MSD	10/23/24 20:06	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
72	P4424-01A	1-N-1A	PS	10/23/24 20:11	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
73	CCV06	CCV06	CCV	10/23/24 20:15		Kareem	OK
74	CCB06	CCB06	CCB	10/23/24 20:21		Kareem	OK
75	P4424-02	1-S-1	SAM	10/23/24 20:25		Kareem	OK
76	P4424-03	1-B-1	SAM	10/23/24 20:30		Kareem	OK
77	P4397-04DL	WB-301-SWDL	SAM	10/23/24 20:47	5x for Na	Kareem	Confirms
78	P4397-04DUPDL	WB-301-SWDUPDL	DUP	10/23/24 20:51	5x for Na	Kareem	Confirms
79	P4397-04LDL	WB-301-SWLDL	SD	10/23/24 20:56	Not Required	Kareem	Not Ok
80	P4397-04MSDL	WB-301-SWMSDL	MS	10/23/24 21:00	5x for Na	Kareem	Confirms
81	P4397-04MSDDL	WB-301-SWMSDDL	MSD	10/23/24 21:05	5x for Na	Kareem	Confirms
82	LR1	LR1	HIGH STD	10/23/24 21:11		Kareem	OK
83	LR2	LR2	HIGH STD	10/23/24 21:16		Kareem	OK
84	CCV07	CCV07	CCV	10/23/24 21:28		Kareem	OK
85	CCB07	CCB07	CCB	10/23/24 21:34		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133086

Review By	kareem	Review On	10/25/2024 3:10:26 PM
Supervise By	jaswal	Supervise On	10/26/2024 8:07:20 AM

STD. NAME	STD REF.#
ICAL Standard	MP82441 MP82476 MP82477 MP82478 MP82479 MP82712
ICV Standard	mp82485
CCV Standard	MP82488
ICSA Standard	MP82486 MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491 MP82492

86	P4397-04ADL	WB-301-SWADL	PS	10/23/24 21:39	Not Required	Kareem	Not Ok
87	P4347-01	EFFLUENT-DAY-1-M	SAM	10/23/24 21:43		Kareem	OK
88	P4347-01DUP	EFFLUENT-DAY-1-M	DUP	10/23/24 21:47		Kareem	OK
89	P4347-01L	EFFLUENT-DAY-1-M	SD	10/23/24 21:52		Kareem	OK
90	P4347-01MS	EFFLUENT-DAY-1-M	MS	10/23/24 21:56	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
91	P4347-01MSD	EFFLUENT-DAY-1-M	MSD	10/23/24 22:04	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
92	P4347-01A	EFFLUENT-DAY-1-M	PS	10/23/24 22:08	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
93	PB164302BL	PB164302BL	MB	10/23/24 22:12		Kareem	OK
94	PB164302BS	PB164302BS	LCS	10/23/24 22:16	0.1 ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
95	CCV08	CCV08	CCV	10/23/24 22:20		Kareem	OK
96	CCB08	CCB08	CCB	10/23/24 22:25		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/24/24 12:14		Kareem	OK
2	S1	S1	CAL2	10/24/24 12:18		Kareem	OK
3	S2	S2	CAL3	10/24/24 12:23		Kareem	OK
4	S3	S3	CAL4	10/24/24 12:27		Kareem	OK
5	S4	S4	CAL5	10/24/24 12:31		Kareem	OK
6	S5	S5	CAL6	10/24/24 12:35		Kareem	OK
7	ICV01	ICV01	ICV	10/24/24 13:26	Fail for Ba,Be,Cd,Cu,Mg,Mn,Ag,V, Zn (200.7)	Kareem	OK
8	LLICV01	LLICV01	LLICV	10/24/24 13:30		Kareem	OK
9	ICB01	ICB01	ICB	10/24/24 13:34		Kareem	OK
10	CRI01	CRI01	CRDL	10/24/24 13:38		Kareem	OK
11	ICSA01	ICSA01	ICSA	10/24/24 13:43		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	10/24/24 13:54		Kareem	OK
13	ICSADL	ICSADL	ICSA	10/24/24 13:58		Kareem	OK
14	ICSABDL	ICSABDL	ICSAB	10/24/24 14:02		Kareem	OK
15	CCV01	CCV01	CCV	10/24/24 14:06		Kareem	OK
16	CCB01	CCB01	CCB	10/24/24 14:11		Kareem	OK
17	P4460-03	WB-303-BOT	SAM	10/24/24 14:15	NOT USE	Kareem	Not Ok
18	P4460-03DUP	WB-303-BOTDUP	DUP	10/24/24 14:19	NOT USE	Kareem	Not Ok

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

19	P4460-03L	WB-303-BOTL	SD	10/24/24 14:23	NOT USE	Kareem	Not Ok
20	P4460-03MS	WB-303-BOTMS	MS	10/24/24 14:28	NOT USE	Kareem	Not Ok
21	P4460-03MSD	WB-303-BOTMSD	MSD	10/24/24 14:32	NOT USE	Kareem	Not Ok
22	P4460-03A	WB-303-BOTA	PS	10/24/24 14:36	NOT USE	Kareem	Not Ok
23	P4473-01	TS-1	SAM	10/24/24 14:40		Kareem	OK
24	P4474-01	TS-2	SAM	10/24/24 14:44		Kareem	OK
25	P4486-01	EO-03-102224	SAM	10/24/24 14:49		Kareem	OK
26	CCV02	CCV02	CCV	10/24/24 14:53		Kareem	OK
27	CCB02	CCB02	CCB	10/24/24 14:57		Kareem	OK
28	P4489-01	RT-2675	SAM	10/24/24 15:01		Kareem	OK
29	CCV03	CCV03	CCV	10/24/24 15:06		Kareem	OK
30	CCB03	CCB03	CCB	10/24/24 15:12		Kareem	OK
31	P4485-01	D20241001-01-04	SAM	10/24/24 15:16		Kareem	OK
32	P4486-01DUP	EO-03-102224DUP	DUP	10/24/24 15:21		Kareem	OK
33	P4486-01L	EO-03-102224L	SD	10/24/24 15:25		Kareem	OK
34	P4486-01MS	EO-03-102224MS	MS	10/24/24 15:29	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
35	P4486-01MSD	EO-03-102224MSD	MSD	10/24/24 15:33	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133110

Review By	jaswal	Review On	10/28/2024 3:21:41 AM
Supervise By	mohan	Supervise On	10/28/2024 3:22:20 AM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

36	P4486-01A	EO-03-102224A	PS	10/24/24 15:37	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
37	P4487-01	BP-B5	SAM	10/24/24 15:41		Kareem	OK
38	P4487-05	BP-F27	SAM	10/24/24 15:45		Kareem	OK
39	PB164320BL	PB164320BL	MB	10/24/24 15:49		Kareem	OK
40	PB164320BS	PB164320BS	LCS	10/24/24 15:54	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
41	CCV04	CCV04	CCV	10/24/24 15:58		Kareem	OK
42	CCB04	CCB04	CCB	10/24/24 16:02		Kareem	OK
43	LR1	LR1	HIGH STD	10/24/24 16:08		Kareem	OK
44	LR2	LR2	HIGH STD	10/24/24 16:13		Kareem	OK
45	P4467-04	TP-1	SAM	10/24/24 16:19		Kareem	OK
46	P4468-02	ETGI-331	SAM	10/24/24 16:24		Kareem	OK
47	P4468-04	ETGI-329	SAM	10/24/24 16:28		Kareem	OK
48	P4468-06	ETGI-345	SAM	10/24/24 16:33		Kareem	OK
49	P4472-04	BP-F-28	SAM	10/24/24 16:37		Kareem	OK
50	P4472-08	BP-F-6	SAM	10/24/24 16:42		Kareem	OK
51	P4472-08DUP	BP-F-6DUP	DUP	10/24/24 16:46		Kareem	OK
52	P4472-08L	BP-F-6L	SD	10/24/24 16:50		Kareem	OK
53	CCV05	CCV05	CCV	10/24/24 16:55		Kareem	OK

Instrument ID: P4

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ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

54	CCB05	CCB05	CCB	10/24/24 16:59		Kareem	OK
55	P4472-08MS	BP-F-6MS	MS	10/24/24 17:03		Kareem	OK
56	P4472-08MSD	BP-F-6MSD	MSD	10/24/24 17:08		Kareem	OK
57	P4472-08A	BP-F-6A	PS	10/24/24 17:12	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
58	PB164301TB	PB164301TB	MB	10/24/24 17:16		Kareem	OK
59	PB164319BL	PB164319BL	MB	10/24/24 17:21		Kareem	OK
60	PB164319BS	PB164319BS	LCS	10/24/24 17:25	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
61	P4467-01	TP-1	SAM	10/24/24 17:29		Kareem	OK
62	P4468-01	ETGI-331	SAM	10/24/24 17:33		Kareem	OK
63	P4468-03	ETGI-329	SAM	10/24/24 17:37		Kareem	OK
64	P4468-05	ETGI-345	SAM	10/24/24 17:41		Kareem	OK
65	CCV06	CCV06	CCV	10/24/24 17:46		Kareem	OK
66	CCB06	CCB06	CCB	10/24/24 17:50		Kareem	OK
67	P4470-01	CL-01-102124	SAM	10/24/24 17:56		Kareem	OK
68	P4470-01DUP	CL-01-102124DUP	DUP	10/24/24 18:00		Kareem	OK
69	P4470-01L	CL-01-102124L	SD	10/24/24 18:04		Kareem	OK
70	P4471-01	B-180-SB01	SAM	10/24/24 18:20		Kareem	OK
71	P4471-02	B-180-SB02	SAM	10/24/24 18:24		Kareem	OK

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CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

72	P4472-01	BP-F-28	SAM	10/24/24 18:28		Kareem	OK
73	P4472-05	BP-F-6	SAM	10/24/24 18:32		Kareem	OK
74	CCV07	CCV07	CCV	10/24/24 18:37		Kareem	OK
75	CCB07	CCB07	CCB	10/24/24 18:41		Kareem	OK
76	PB164317BL	PB164317BL	MB	10/24/24 18:45		Kareem	OK
77	P4423-02	COMP	SAM	10/24/24 18:55		Kareem	OK
78	P4460-06	WB-303-SW	SAM	10/24/24 19:00	Na (Oversaturated)	Kareem	Dilution
79	P4460-06DUP	WB-303-SWDUP	DUP	10/24/24 19:04	Na (Oversaturated)	Kareem	Dilution
80	P4460-06L	WB-303-SWL	SD	10/24/24 19:09	Na high	Kareem	Dilution
81	P4460-06MS	WB-303-SWMS	MS	10/24/24 19:14	Na (Oversaturated), 0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	Dilution
82	P4460-06MSD	WB-303-SWMSD	MSD	10/24/24 19:19	Na (Oversaturated), 0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	Dilution
83	P4460-06A	WB-303-SWA	PS	10/24/24 19:23	Na (Oversaturated), 0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	Dilution
84	P4485-03	D20241001-02-03	SAM	10/24/24 19:28		Kareem	OK
85	CCV08	CCV08	CCV	10/24/24 19:32		Kareem	OK
86	CCB08	CCB08	CCB	10/24/24 19:45		Kareem	OK
87	PB164347BL	PB164347BL	MB	10/24/24 19:49		Kareem	OK
88	PB164347BSRE	PB164347BSRE	LCS	10/24/24 19:53	NOT USE	Kareem	Not Ok

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CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

89	P4508-01	TP-3	SAM	10/24/24 19:57		Kareem	OK
90	P4508-05	BP-F23	SAM	10/24/24 20:01		Kareem	OK
91	P4508-09	BP-F22	SAM	10/24/24 20:06		Kareem	OK
92	P4509-01	AU-06-10232024	SAM	10/24/24 20:11		Kareem	OK
93	P4509-01DUP	AU-06-10232024DUP	DUP	10/24/24 20:15		Kareem	OK
94	P4509-01L	AU-06-10232024L	SD	10/24/24 20:19		Kareem	OK
95	P4509-01MS	AU-06-10232024MS	MS	10/24/24 20:23		Kareem	OK
96	P4509-01MSD	AU-06-10232024MSD	MSD	10/24/24 20:27		Kareem	OK
97	CCV09	CCV09	CCV	10/24/24 20:31		Kareem	OK
98	CCB09	CCB09	CCB	10/24/24 20:36		Kareem	OK
99	P4509-01A	AU-06-10232024A	PS	10/24/24 20:40	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
100	P4512-03	VNJ-212	SAM	10/24/24 20:44		Kareem	OK
101	P4515-01	CHVB0783	SAM	10/24/24 20:48		Kareem	OK
102	P4517-01	NASSAU-ST-CO	SAM	10/24/24 20:52		Kareem	OK
103	P4517-03	S.JEFFERSON-CO-1	SAM	10/24/24 20:57		Kareem	OK
104	P4517-05	S.JEFFERSON-CO-2	SAM	10/24/24 21:01		Kareem	OK
105	P4517-07	FOREST-ST-CO	SAM	10/24/24 21:05		Kareem	OK
106	PB164376BL	PB164376BL	MB	10/24/24 21:10		Kareem	OK

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ICV Standard	MP82485
CCV Standard	MP82488
ICSA Standard	MP82486,MP82487
CRI Standard	MP82712
LCS Standard	
Chk Standard	MP82491,MP82492

107	PB164376BS	PB164376BS	LCS	10/24/24 21:14	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
108	P3426-01	927-K1-WS-073124	SAM	10/24/24 21:18		Kareem	OK
109	CCV10	CCV10	CCV	10/24/24 21:22		Kareem	OK
110	CCB10	CCB10	CCB	10/24/24 21:28		Kareem	OK
111	P3426-02	927-K1-WS-073124-F	SAM	10/24/24 21:32		Kareem	OK
112	P3429-01	926-K1-WS-073124	SAM	10/24/24 21:36		Kareem	OK
113	P3429-02	931-K1-WS-073124	SAM	10/24/24 21:41		Kareem	OK
114	P3429-03	925-K1-WS-073124	SAM	10/24/24 21:45		Kareem	OK
115	P3451-01	921-J-WS-080124	SAM	10/24/24 21:49		Kareem	OK
116	P3457-01	924-K1-WS-080224	SAM	10/24/24 21:54		Kareem	OK
117	P3457-02	932-K1-WS-080224	SAM	10/24/24 21:58		Kareem	OK
118	P3467-01	919-J-WS-080224	SAM	10/24/24 22:03		Kareem	OK
119	P3596-01	918-J-WS-081324	SAM	10/24/24 22:07		Kareem	OK
120	P3596-02	918-J-WS-081324-FD	SAM	10/24/24 22:11		Kareem	OK
121	CCV11	CCV11	CCV	10/24/24 22:15		Kareem	OK
122	CCB11	CCB11	CCB	10/24/24 22:20		Kareem	OK
123	P3609-01	915-J-WS-081424	SAM	10/24/24 22:26		Kareem	OK
124	P3609-02	920-J-WS-081424	SAM	10/24/24 22:30		Kareem	OK
125	P3645-01	914-J-WS-081524	SAM	10/24/24 22:34		Kareem	OK

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STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

126	P3645-02	916-J-WS-081524	SAM	10/24/24 22:39		Kareem	OK
127	P3657-01	917-J-WS-081624	SAM	10/24/24 22:43		Kareem	OK
128	PB164372BL	PB164372BL	MB	10/24/24 22:47		Kareem	OK
129	PB164299TB	PB164299TB	MB	10/24/24 22:56		Kareem	OK
130	PB164299BL	PB164299BL	MB	10/24/24 23:00		Kareem	OK
131	PB164299BS	PB164299BS	LCS	10/24/24 23:05	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
132	CCV12	CCV12	CCV	10/24/24 23:09		Kareem	OK
133	CCB12	CCB12	CCB	10/24/24 23:13		Kareem	OK
134	PB164347BS	PB164347BS	LCS	10/24/24 23:17	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
135	P4470-01MS	CL-01-102124MS	MS	10/24/24 23:21	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
136	P4470-01MSD	CL-01-102124MSD	MSD	10/24/24 23:25	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
137	P4470-01A	CL-01-102124A	PS	10/24/24 23:29	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
138	PB164317BS	PB164317BS	LCS	10/24/24 23:33	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
139	PB164289BL	PB164289BL	MB	10/24/24 23:37		Kareem	OK

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ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

140	PB164289BS	PB164289BS	LCS	10/24/24 23:41	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
141	P3645-01DUP	914-J-WS-081524DUP	DUP	10/24/24 23:45		Kareem	OK
142	P3645-01L	914-J-WS-081524L	SD	10/24/24 23:50		Kareem	OK
143	P3645-01MS	914-J-WS-081524MS	MS	10/24/24 23:54	Si high	Kareem	Dilution
144	CCV13	CCV13	CCV	10/24/24 23:58		Kareem	OK
145	CCB13	CCB13	CCB	10/25/24 00:02		Kareem	OK
146	P3645-01MSD	914-J-WS-081524MSD	MSD	10/25/24 00:10	Si high	Kareem	Dilution
147	P3645-01A	914-J-WS-081524A	PS	10/25/24 00:14	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
148	P4485-02	D20241001-01-04	SAM	10/25/24 00:18		Kareem	OK
149	P4485-02DUP	D20241001-01-04DUP	DUP	10/25/24 00:22		Kareem	OK
150	P4485-02L	D20241001-01-04L	SD	10/25/24 00:26		Kareem	OK
151	P4485-02MS	D20241001-01-04MS	MS	10/25/24 00:31	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
152	P4485-02MSD	D20241001-01-04MSD	MSD	10/25/24 00:35	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
153	P4485-02A	D20241001-01-04A	PS	10/25/24 00:39	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
154	P4487-04	BP-B5	SAM	10/25/24 00:43		Kareem	OK
155	P4487-08	BP-B27	SAM	10/25/24 00:48		Kareem	OK

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CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

156	CCV14	CCV14	CCV	10/25/24 00:52		Kareem	OK
157	CCB14	CCB14	CCB	10/25/24 00:56		Kareem	OK
158	P4488-09DL	HCC-1DL	SAM	10/25/24 01:01	Straight 5x Dilution for all elements	Kareem	OK
159	P4488-10	HCC-2	SAM	10/25/24 01:06		Kareem	OK
160	P4508-04	TP-3	SAM	10/25/24 01:10		Kareem	OK
161	P4508-08	BP-F23	SAM	10/25/24 01:15		Kareem	OK
162	P4508-12	BP-F22	SAM	10/25/24 01:19		Kareem	OK
163	P4511-02	267	SAM	10/25/24 01:23		Kareem	OK
164	P4513-01	D3683	SAM	10/25/24 01:28		Kareem	OK
165	P4513-02	D3694	SAM	10/25/24 01:32		Kareem	OK
166	P4513-03	D3695	SAM	10/25/24 01:37		Kareem	OK
167	P4515-02	CHVB0783	SAM	10/25/24 01:41		Kareem	OK
168	CCV15	CCV15	CCV	10/25/24 01:45		Kareem	OK
169	CCB15	CCB15	CCB	10/25/24 01:50		Kareem	OK
170	PB164372BS	PB164372BS	LCS	10/25/24 01:54	200.7 Method	Kareem	OK
171	P4516-01	72-11986	SAM	10/25/24 01:58		Kareem	OK
172	P4517-02	NASSAU-ST-CO	SAM	10/25/24 02:03		Kareem	OK
173	P4517-04	S.JEFFERSON-CO-1	SAM	10/25/24 02:07		Kareem	OK
174	P4517-06	S.JEFFERSON-CO-2	SAM	10/25/24 02:11		Kareem	OK

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ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

175	P4517-08	FOREST-ST-CO	SAM	10/25/24 02:16		Kareem	OK
176	PB164335TB	PB164335TB	MB	10/25/24 02:20		Kareem	OK
177	PB164377BL	PB164377BL	MB	10/25/24 02:25		Kareem	OK
178	PB164377BS	PB164377BS	LCS	10/25/24 02:29	0.1 ml of m6010 and m6001 were added to 10ml of sample	Kareem	OK
179	CCV16	CCV16	CCV	10/25/24 02:44		Kareem	OK
180	CCB16	CCB16	CCB	10/25/24 02:48		Kareem	OK

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

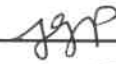
Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 10/21/2024 Time : 11:45 Temp : 95 °C

End Digest Date: 10/21/2024 Time : 14:55 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: 

Supervisor Signature: 

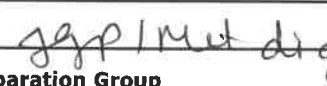
Temp : 1. 95°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6000
LFS-2	0.25	M6009
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
CONC: HNO3	3.00	M6093
1:1 HCL	5.00	MP82127
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

Hot Block # 1 Cell # 35 Temp: 95 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 15:00	 Preparation Group	 Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
P4424-01MS	1-N-1MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6000,M6009	3
P4424-01MSD	1-N-1MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6000,M6009	4
P4424-01DUP	1-N-1DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	2
P4424-01	1-N-1	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
P4424-02	1-S-1	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	5
P4424-03	1-B-1	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	6
PB164299BL	PBW299	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	7
PB164299BS	LCS299	<2	50	25	Colorless	Colorless	Clear	Clear	M6000,M6009	8
PB164299TB	LEB299	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	9

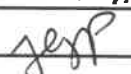
SOP ID :	M1312-SPLP-10	
SDG No :	N/A	Start Prep Date : 10/18/2024 Time : 14:00
Weigh By :	JP	End Prep Date : 10/19/2024 Time : 07:15
Balance ID :	WC SC-4	Combination Ratio : 20
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch : N/A
Extraction By :	JP	Initial Room Temperature: 23 °C
Filter By :	JP	Final Room Temperature: 21 °C
Pipette ID :	WC	TCLP Technician Signature : 
Tumbler ID :	T-2	Supervisor By : 
TCLP Filter ID :	114771	

Standardized Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
SPLP FLUID	N/A	WP108587
N/A	N/A	N/A
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
N/A	N/A	N/A
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-2 checked,30 rpm. p4424-01 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/24 08:00	 / Prep Room	 / Prep Room
	Preparation Group	Analysis Group

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4424-01	1-N-1	11	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
P4424-02	1-S-1	12	100.03	2000	N/A	N/A	N/A	5.5	1.5	T-2
P4424-03	1-B-1	13	100.04	2000	N/A	N/A	N/A	5.6	1.0	T-2
PB164249TB	LEB249	14	N/A	2000	N/A	N/A	N/A	4.22	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4424-01	1-N-1	N/A	N/A	N/A	N/A	100	N/A
P4424-02	1-S-1	N/A	N/A	N/A	N/A	100	N/A
P4424-03	1-B-1	N/A	N/A	N/A	N/A	100	N/A
PB164249TB	LEB249	N/A	N/A	N/A	N/A	N/A	N/A

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4424-01	1-N-1	N/A	N/A	N/A	N/A	#1	4.22
P4424-02	1-S-1	N/A	N/A	N/A	N/A	#1	4.22
P4424-03	1-B-1	N/A	N/A	N/A	N/A	#1	4.22
PB164249TB	LEB249	N/A	N/A	N/A	N/A	#1	4.22