



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P4699

Order ID: P4699

Client: EarthEfficient LLC

Project ID: 120-122 Liberty Ave BK

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	MIXED-DEMO							
P4699-01	MIXED-DEMO	SOIL	Lead	4.31		0.12	0.49	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	EarthEfficient LLC	Date Collected:	11/04/24
Project:	120-122 Liberty Ave BK	Date Received:	11/04/24
Client Sample ID:	MIXED-DEMO	SDG No.:	P4699
Lab Sample ID:	P4699-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	99.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-92-1	Lead	4.31		1	0.12	0.49	mg/Kg	11/06/24 10:00	11/07/24 22:34	SW6010	SW3050

Color Before:	Light Grey	Clarity Before:	Texture:	Medium
Color After:	yellowish Green	Clarity After:	Artifacts:	N/A
Comments:	Metals Group3			

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

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

EarthEfficient LLC

SDG No.:

P4699

Contract:

EART12

Lab Code:

CHEM

Case No.:

P4699

SAS No.:

P4699

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	14:38	LB133344

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>EarthEfficient LLC</u>		SDG No.: <u>P4699</u>							
Contract: <u>EART12</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4699</u>	SAS No.: <u>P4699</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	15:05	LB133344
CCB02	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	15:58	LB133344
CCB03	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	16:49	LB133344
CCB04	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	18:04	LB133344
CCB05	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	18:37	LB133344
CCB06	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	19:12	LB133344
CCB07	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	20:02	LB133344
CCB08	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	21:02	LB133344
CCB09	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	21:55	LB133344
CCB10	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	22:56	LB133344
CCB11	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	23:47	LB133344
CCB12	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	00:43	LB133344
CCB13	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	01:01	LB133344

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: EarthEfficient LLC

SDG No.: P4699

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164708BL		SOLID		Batch Number:	PB164708		Prep Date:	11/06/2024	
	Lead	0.53	<0.53	U	0.53	P	11/07/2024	23:38	LB133344



METAL CALIBRATION DATA

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: EarthEfficient LLC **SDG No.:** P4699
Contract: EART12 **Lab Code:** CHEM **Case No.:** P4699 **SAS No.:** P4699
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	Lead	1020	1000	102	90 - 110	P	11/07/2024	13:49	LB133344

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: EarthEfficient LLC **SDG No.:** P4699
Contract: EART12 **Lab Code:** CHEM **Case No.:** P4699 **SAS No.:** P4699
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	Lead	11.4	12.0	95	80 - 120	P	11/07/2024	14:23	LB133344

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: EarthEfficient LLC **SDG No.:** P4699

Contract: EART12 **Lab Code:** CHEM **Case No.:** P4699 **SAS No.:** P4699

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	Lead	4920	5000	98	90 - 110	P	11/07/2024	15:01	LB133344
CCV02	Lead	4800	5000	96	90 - 110	P	11/07/2024	15:53	LB133344
CCV03	Lead	4970	5000	99	90 - 110	P	11/07/2024	16:45	LB133344
CCV04	Lead	5010	5000	100	90 - 110	P	11/07/2024	17:56	LB133344
CCV05	Lead	4880	5000	98	90 - 110	P	11/07/2024	18:32	LB133344
CCV06	Lead	4930	5000	99	90 - 110	P	11/07/2024	19:08	LB133344
CCV07	Lead	4850	5000	97	90 - 110	P	11/07/2024	19:58	LB133344
CCV08	Lead	4840	5000	97	90 - 110	P	11/07/2024	20:58	LB133344
CCV09	Lead	4780	5000	96	90 - 110	P	11/07/2024	21:51	LB133344
CCV10	Lead	4710	5000	94	90 - 110	P	11/07/2024	22:52	LB133344
CCV11	Lead	4800	5000	96	90 - 110	P	11/07/2024	23:43	LB133344
CCV12	Lead	4820	5000	96	90 - 110	P	11/08/2024	00:39	LB133344
CCV13	Lead	4870	5000	97	90 - 110	P	11/08/2024	00:57	LB133344

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Metals

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CRDL STANDARD FOR AA & ICP

Client:	<u>EarthEfficient LLC</u>	SDG No.:	<u>P4699</u>	
Contract:	<u>EART12</u>	Lab Code:	<u>CHEM</u>	
Initial Calibration Source:	<u></u>	Case No.:	<u>P4699</u>	SAS No.: <u>P4699</u>
Continuing Calibration Source:	<u></u>			

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Lead	11.3	12.0	94	40 - 160	P	11/07/2024	14:42	LB133344

Metals

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INTERFERENCE CHECK SAMPLE

Client: EarthEfficient LLC **SDG No.:** P4699
Contract: EART12 **Lab Code:** CHEM **Case No.:** P4699 **SAS No.:** P4699
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	Lead	8.91			-12	12	11/07/2024	14:47	LB133344
ICSAB01	Lead	56.6	49.0	116	37	61	11/07/2024	14:51	LB133344



METAL QC DATA

metals
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MATRIX SPIKE SUMMARY

client: EarthEfficient LLC level: low sdg no.: P4699
contract: EART12 lab code: CHEM case no.: P4699 sas no.: P4699
matrix: Solid sample id: P4699-01 client id: MIXED-DEMOMS
Percent Solids for Sample: 99.5 Spiked ID: P4699-01MS Percent Solids for Spike Sample: 99.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Lead	mg/Kg	75 - 125	42.1		4.31		42.8	88		P

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>EarthEfficient LLC</u>	level: <u>low</u>	sdg no.: <u>P4699</u>
contract: <u>EART12</u>	lab code: <u>CHEM</u>	case no.: <u>P4699</u> sas no.: <u>P4699</u>
matrix: <u>Solid</u>	sample id: <u>P4699-01</u>	client id: <u>MIXED-DEMOMSD</u>
Percent Solids for Sample: <u>99.5</u>	Spiked ID: <u>P4699-01MSD</u>	Percent Solids for Spike Sample: <u>99.5</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Lead	mg/Kg	75 - 125	45.2		4.31		45.9	89		P

Metals
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Client: EarthEfficient LLC **SDG No.:** P4699
Contract: EART12 **Lab Code:** CHEM **Case No.:** P4699 **SAS No.:** P4699
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

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DUPLICATE SAMPLE SUMMARY

Client:	<u>EarthEfficient LLC</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4699</u>
Contract:	<u>EART12</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4699</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>P4699-01</u>	Client ID:	<u>MIXED-DEMODUP</u>
Percent Solids for Sample:	99.5	Duplicate ID	P4699-01DUP	Percent Solids for Spike Sample:	99.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Lead	mg/Kg	20	4.31		4.87		12		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>EarthEfficient LLC</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4699</u>
Contract:	<u>EART12</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4699</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>P4699-01MS</u>	Client ID:	<u>MIXED-DEMOMSD</u>
Percent Solids for Sample:	99.5	Duplicate ID	P4699-01MSD	Percent Solids for Spike Sample:	99.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Lead	mg/Kg	20	42.1		45.2		7		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: EarthEfficient LLC

SDG No.: P4699

Contract: EART12

Lab Code: CHEM

Case No.: P4699

SAS No.: P4699

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164708BS Lead	mg/Kg	43.9	41.2		94	80 - 120	P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

MIXED-DEMOL

Lab Name: Chemtech Consulting Group **Contract:** EART12

Lab Code: CHEM **Lb No.:** lb133344 **Lab Sample ID :** P4699-01L **SDG No.:** P4699

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Lead	4.31	4.37	1		P

metals
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ANALYSIS RUN LOG

Client: EarthEfficient LLC **Contract:** EART12

Lab code: CHEM **Case no.:** P4699 **Sas no.:** P4699 **Sdg no.:** P4699

Instrument id number: **Method:** **Run number:** LB133344

Start date: 11/07/2024 **End date:** 11/08/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1323	Pb
S1	S1	1	1328	Pb
S2	S2	1	1332	Pb
S3	S3	1	1336	Pb
S4	S4	1	1340	Pb
S5	S5	1	1345	Pb
ICV01	ICV01	1	1349	Pb
LLICV01	LLICV01	1	1423	Pb
ICB01	ICB01	1	1438	Pb
CRI01	CRI01	1	1442	Pb
ICSA01	ICSA01	1	1447	Pb
ICSAB01	ICSAB01	1	1451	Pb
CCV01	CCV01	1	1501	Pb
CCB01	CCB01	1	1505	Pb
CCV02	CCV02	1	1553	Pb
CCB02	CCB02	1	1558	Pb
CCV03	CCV03	1	1645	Pb
CCB03	CCB03	1	1649	Pb
CCV04	CCV04	1	1756	Pb
CCB04	CCB04	1	1804	Pb
CCV05	CCV05	1	1832	Pb
CCB05	CCB05	1	1837	Pb
CCV06	CCV06	1	1908	Pb
CCB06	CCB06	1	1912	Pb
CCV07	CCV07	1	1958	Pb
CCB07	CCB07	1	2002	Pb
CCV08	CCV08	1	2058	Pb
CCB08	CCB08	1	2102	Pb
CCV09	CCV09	1	2151	Pb
CCB09	CCB09	1	2155	Pb
P4699-01	MIXED-DEMO	1	2234	Pb
P4699-01DUP	MIXED-DEMODUP	1	2239	Pb
P4699-01L	MIXED-DEMOL	5	2243	Pb
P4699-01MS	MIXED-DEMOMS	1	2247	Pb
CCV10	CCV10	1	2252	Pb
CCB10	CCB10	1	2256	Pb
P4699-01MSD	MIXED-DEMOMSD	1	2300	Pb
PB164708BL	PB164708BL	1	2338	Pb
CCV11	CCV11	1	2343	Pb
CCB11	CCB11	1	2347	Pb
PB164708BS	PB164708BS	1	2351	Pb

metals
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ANALYSIS RUN LOG

Client: EarthEfficient LLC

Contract: EART12

Lab code: CHEM **Case no.:** P4699 **Sas no.:** P4699

Sdg no.: P4699

Instrument id number: **Method:**

Run number: LB133344

Start date: 11/07/2024 **End date:** 11/08/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV12	CCV12	1	0039	Pb
CCB12	CCB12	1	0043	Pb
CCV13	CCV13	1	0057	Pb
CCB13	CCB13	1	0101	Pb

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METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: EarthEfficient LLC

SDG No.: P4699

Contract: EART12

Lab Code: CHEM

Case No.: P4699

SAS No.: P4699

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
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: EarthEfficient LLC

SDG No.: P4699

Contract: EART12

Lab Code: CHEM

Case No.: P4699

SAS No.: P4699

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
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: EarthEfficient LLC

SDG No.: P4699

Contract: EART12

Lab Code: CHEM

Case No.: P4699

SAS No.: P4699

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
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: EarthEfficient LLC

SDG No.: P4699

Contract: EART12

Lab Code: CHEM

Case No.: P4699

SAS No.: P4699

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
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: EarthEfficient LLC

SDG No.: P4699

Contract: EART12

Lab Code: CHEM

Case No.: P4699

SAS No.: P4699

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
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000



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LAB CHRONICLE

OrderID:	P4699	OrderDate:	11/4/2024 12:02:00 PM
Client:	EarthEfficient LLC	Project:	120-122 Liberty Ave BK
Contact:	Environmental Team	Location:	K21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4699-01	MIXED-DEMO	SOIL	Metals Group3	6010D	11/04/24	11/06/24	11/07/24	11/04/24



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>EarthEfficient LLC</u>	SDG No.:	<u>P4699</u>
Contract:	<u>EART12</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P4699</u>
		SAS No.:	<u>P4699</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB164708							
P4699-01	MIXED-DEMO	SAM	SOLID	11/06/2024	2.44	100.0	99.50
P4699-01DUP	MIXED-DEMODUP	DUP	SOLID	11/06/2024	2.24	100.0	99.50
P4699-01MS	MIXED-DEMOMS	MS	SOLID	11/06/2024	2.35	100.0	99.50
P4699-01MSD	MIXED-DEMOMSD	MSD	SOLID	11/06/2024	2.19	100.0	99.50
PB164708BL	PB164708BL	MB	SOLID	11/06/2024	2.28	100.0	100.00
PB164708BS	PB164708BS	LCS	SOLID	11/06/2024	2.28	100.0	100.00

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

Review By	mohan	Review On	11/9/2024 12:07:42 AM
Supervise By	kareem	Supervise On	11/13/2024 7:36:39 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091 MP83092		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/07/24 13:23		Kareem	OK
2	S1	S1	CAL2	11/07/24 13:28		Kareem	OK
3	S2	S2	CAL3	11/07/24 13:32		Kareem	OK
4	S3	S3	CAL4	11/07/24 13:36		Kareem	OK
5	S4	S4	CAL5	11/07/24 13:40		Kareem	OK
6	S5	S5	CAL6	11/07/24 13:45		Kareem	OK
7	ICV01	ICV01	ICV	11/07/24 13:49		Kareem	OK
8	LLICV01	LLICV01	LLICV	11/07/24 14:23		Kareem	OK
9	ICB01	ICB01	ICB	11/07/24 14:38		Kareem	OK
10	CRI01	CRI01	CRDL	11/07/24 14:42		Kareem	OK
11	ICSA01	ICSA01	ICSA	11/07/24 14:47		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	11/07/24 14:51		Kareem	OK
13	CCV01	CCV01	CCV	11/07/24 15:01		Kareem	OK
14	CCB01	CCB01	CCB	11/07/24 15:05		Kareem	OK
15	P4645-04	Z-02-WC	SAM	11/07/24 15:09		Kareem	OK
16	P4659-04	MH-2	SAM	11/07/24 15:14		Kareem	OK
17	P4660-03	WC-TA2-01-C	SAM	11/07/24 15:18		Kareem	OK
18	P4660-07	WC-WOOD-01-C	SAM	11/07/24 15:22		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

Review By	mohan	Review On	11/9/2024 12:07:42 AM
Supervise By	kareem	Supervise On	11/13/2024 7:36:39 PM

STD. NAME	STD REF.#
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084
ICV Standard	MP83085
CCV Standard	MP83088
ICSA Standard	MP83086,MP83087
CRI Standard	MP83084
LCS Standard	
Chk Standard	MP83091 MP83092

19	P4660-11	WC-CONCRETE-01-C	SAM	11/07/24 15:27		Kareem	OK
20	P4667-04	BP-F-6	SAM	11/07/24 15:31		Kareem	OK
21	P4667-08	BP-F-5	SAM	11/07/24 15:36		Kareem	OK
22	P4667-12	TP-10	SAM	11/07/24 15:40		Kareem	OK
23	P4667-16	BP-F-7	SAM	11/07/24 15:45		Kareem	OK
24	P4679-04	MH-1	SAM	11/07/24 15:49		Kareem	OK
25	CCV02	CCV02	CCV	11/07/24 15:53		Kareem	OK
26	CCB02	CCB02	CCB	11/07/24 15:58		Kareem	OK
27	P4680-04	BP-F26	SAM	11/07/24 16:02		Kareem	OK
28	P4680-08	BP-F25	SAM	11/07/24 16:06		Kareem	OK
29	P4684-01	MECHANIC-ST-SWEI	SAM	11/07/24 16:11		Kareem	OK
30	P4684-01DUP	MECHANIC-ST-SWEI	DUP	11/07/24 16:15		Kareem	OK
31	P4684-01L	MECHANIC-ST-SWEI	SD	11/07/24 16:20		Kareem	OK
32	P4684-01MS	MECHANIC-ST-SWEI	MS	11/07/24 16:24	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
33	P4684-01MSD	MECHANIC-ST-SWEI	MSD	11/07/24 16:28	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
34	P4684-01A	MECHANIC-ST-SWEI	PS	11/07/24 16:32	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
35	PB164560TB	PB164560TB	MB	11/07/24 16:36		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

Review By	mohan	Review On	11/9/2024 12:07:42 AM
Supervise By	kareem	Supervise On	11/13/2024 7:36:39 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091 MP83092		

36	PB164665BL	PB164665BL	MB	11/07/24 16:41		Kareem	OK
37	CCV03	CCV03	CCV	11/07/24 16:45		Kareem	OK
38	CCB03	CCB03	CCB	11/07/24 16:49		Kareem	OK
39	PB164665BS	PB164665BS	LCS	11/07/24 16:54	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
40	P4693-04	BP-G5-WC	SAM	11/07/24 16:58		Kareem	OK
41	P4693-08	BP-G4-WC	SAM	11/07/24 17:02		Kareem	OK
42	P4694-04	Z-03A	SAM	11/07/24 17:06		Kareem	OK
43	P4694-08	Z-04	SAM	11/07/24 17:11		Kareem	OK
44	P4695-04	Z-01	SAM	11/07/24 17:15		Kareem	OK
45	P4700-04	MH-8	SAM	11/07/24 17:20		Kareem	OK
46	P4701-01	BP-F3	SAM	11/07/24 17:24		Kareem	OK
47	P4701-08	BP-F4	SAM	11/07/24 17:29		Kareem	OK
48	P4711-05	CF-613-COMP-16	SAM	11/07/24 17:33		Kareem	OK
49	CCV04	CCV04	CCV	11/07/24 17:56		Kareem	OK
50	CCB04	CCB04	CCB	11/07/24 18:04		Kareem	OK
51	P4711-10	CF-613-COMP-17	SAM	11/07/24 18:08		Kareem	OK
52	P4702-01	TOTE-1	SAM	11/07/24 18:13		Kareem	OK
53	P4662-06DL2	102524-DDL2	SAM	11/07/24 18:17	NOT USE	Kareem	Not Ok
54	P4662-06DL	102524-DDL	SAM	11/07/24 18:22	NOT USE	Kareem	Not Ok

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

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STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091 MP83092		

55	P4662-06	102524-D	SAM	11/07/24 18:28		Kareem	OK
56	CCV05	CCV05	CCV	11/07/24 18:32		Kareem	OK
57	CCB05	CCB05	CCB	11/07/24 18:37		Kareem	OK
58	P4702-01DUP	TOTE-1DUP	DUP	11/07/24 18:43		Kareem	OK
59	P4702-01L	TOTE-1L	SD	11/07/24 18:47		Kareem	OK
60	P4706-01	TR-04-110424	SAM	11/07/24 18:51		Kareem	OK
61	P4708-01	OR-02-110424	SAM	11/07/24 18:56		Kareem	OK
62	P4711-01	CF-613-COMP-16	SAM	11/07/24 19:00		Kareem	OK
63	P4711-06	CF-613-COMP-17	SAM	11/07/24 19:04		Kareem	OK
64	CCV06	CCV06	CCV	11/07/24 19:08		Kareem	OK
65	CCB06	CCB06	CCB	11/07/24 19:12		Kareem	OK
66	P4702-01MS	TOTE-1MS	MS	11/07/24 19:16	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
67	P4702-01MSD	TOTE-1MSD	MSD	11/07/24 19:20	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
68	P4702-01A	TOTE-1A	PS	11/07/24 19:24	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
69	PB164662TB	PB164662TB	MB	11/07/24 19:28		Kareem	OK
70	PB164685TB	PB164685TB	MB	11/07/24 19:32		Kareem	OK
71	PB164712BL	PB164712BL	MB	11/07/24 19:37		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

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Supervise By	kareem	Supervise On	11/13/2024 7:36:39 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091 MP83092		

72	PB164712BS	PB164712BS	LCS	11/07/24 19:41	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
73	P4720-01	JC-701-COMP-01	SAM	11/07/24 19:45		Kareem	OK
74	P4720-01DUP	JC-701-COMP-01DUP	DUP	11/07/24 19:50		Kareem	OK
75	P4720-01L	JC-701-COMP-01L	SD	11/07/24 19:54		Kareem	OK
76	CCV07	CCV07	CCV	11/07/24 19:58		Kareem	OK
77	CCB07	CCB07	CCB	11/07/24 20:02		Kareem	OK
78	P4617-04	CONCRETE-PILE	SAM	11/07/24 20:08		Kareem	OK
79	P4617-04DUP	CONCRETE-PILEDUP	DUP	11/07/24 20:12		Kareem	OK
80	P4617-04L	CONCRETE-PILEL	SD	11/07/24 20:17		Kareem	OK
81	P4617-04MS	CONCRETE-PILEMS	MS	11/07/24 20:21	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
82	P4617-04MSD	CONCRETE-PILEMS	MSD	11/07/24 20:25	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
83	P4549-04	TT-069-IDWGW-2024	SAM	11/07/24 20:34		Kareem	OK
84	P4617-04A	CONCRETE-PILEA	PS	11/07/24 20:41	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
85	P4549-04DUP	TT-069-IDWGW-2024	DUP	11/07/24 20:45		Kareem	OK
86	P4549-04L	TT-069-IDWGW-2024	SD	11/07/24 20:49		Kareem	OK
87	P4549-04MS	TT-069-IDWGW-2024	MS	11/07/24 20:54	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

Review By	mohan	Review On	11/9/2024 12:07:42 AM
Supervise By	kareem	Supervise On	11/13/2024 7:36:39 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091 MP83092		

88	CCV08	CCV08	CCV	11/07/24 20:58		Kareem	OK
89	CCB08	CCB08	CCB	11/07/24 21:02		Kareem	OK
90	P4549-04MSD	TT-069-IDWGW-2024	MSD	11/07/24 21:08	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
91	P4549-04A	TT-069-IDWGW-2024	PS	11/07/24 21:12	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
92	P4720-01MS	JC-701-COMP-01MS	MS	11/07/24 21:16	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
93	P4720-01MSD	JC-701-COMP-01MS	MSD	11/07/24 21:20	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
94	P4720-01A	JC-701-COMP-01A	PS	11/07/24 21:24	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
95	P4722-03	WC-1(0-6)	SAM	11/07/24 21:29	Fe high	Kareem	Dilution
96	P4722-08	WC-2(0-6)	SAM	11/07/24 21:33		Kareem	OK
97	P4722-13	WC-3(0-6)	SAM	11/07/24 21:38		Kareem	OK
98	PB164723BL	PB164723BL	MB	11/07/24 21:42		Kareem	OK
99	PB164723BS	PB164723BS	LCS	11/07/24 21:47	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
100	CCV09	CCV09	CCV	11/07/24 21:51		Kareem	OK
101	CCB09	CCB09	CCB	11/07/24 21:55		Kareem	OK
102	P4693-01	BP-G5-WC	SAM	11/07/24 22:09		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

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Supervise By	kareem	Supervise On	11/13/2024 7:36:39 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091 MP83092		

103	P4693-05	BP-G4-WC	SAM	11/07/24 22:13		Kareem	OK
104	P4694-01	Z-03A	SAM	11/07/24 22:17		Kareem	OK
105	P4694-05	Z-04	SAM	11/07/24 22:22		Kareem	OK
106	P4695-01	Z-01	SAM	11/07/24 22:26		Kareem	OK
107	P4697-01	TP-1	SAM	11/07/24 22:30		Kareem	OK
108	P4699-01	MIXED-DEMO	SAM	11/07/24 22:34		Kareem	OK
109	P4699-01DUP	MIXED-DEMODUP	DUP	11/07/24 22:39		Kareem	OK
110	P4699-01L	MIXED-DEMOL	SD	11/07/24 22:43		Kareem	OK
111	P4699-01MS	MIXED-DEMOMS	MS	11/07/24 22:47	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
112	CCV10	CCV10	CCV	11/07/24 22:52		Kareem	OK
113	CCB10	CCB10	CCB	11/07/24 22:56		Kareem	OK
114	P4699-01MSD	MIXED-DEMOMSD	MSD	11/07/24 23:00	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
115	P4699-01A	MIXED-DEMOA	PS	11/07/24 23:04	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
116	P4700-01	MH-8	SAM	11/07/24 23:09		Kareem	OK
117	P4701-01RE	BP-F3RE	SAM	11/07/24 23:13	NOT USE	Kareem	Not Ok
118	P4701-05	BP-F4	SAM	11/07/24 23:17		Kareem	OK
119	P4707-01	HD-02-110424	SAM	11/07/24 23:22		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

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Supervise By	kareem	Supervise On	11/13/2024 7:36:39 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091 MP83092		

120	P4718-01	WB-307-SB01	SAM	11/07/24 23:26		Kareem	OK
121	P4718-02	WB-307-SB02	SAM	11/07/24 23:30		Kareem	OK
122	P4719-01	BAYAVE-STOCKPILE	SAM	11/07/24 23:34		Kareem	OK
123	PB164708BL	PB164708BL	MB	11/07/24 23:38		Kareem	OK
124	CCV11	CCV11	CCV	11/07/24 23:43		Kareem	OK
125	CCB11	CCB11	CCB	11/07/24 23:47		Kareem	OK
126	PB164708BS	PB164708BS	LCS	11/07/24 23:51	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
127	PB164563BL	PB164563BL	MB	11/07/24 23:55		Kareem	OK
128	PB164563BS	PB164563BS	LCS	11/08/24 00:05	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
129	PB164634BL	PB164634BL	MB	11/08/24 00:08		Kareem	OK
130	PB164634BS	PB164634BS	LCS	11/08/24 00:13	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
131	PB164647BL	PB164647BL	MB	11/08/24 00:17		Kareem	OK
132	PB164647BS	PB164647BS	LCS	11/08/24 00:21	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
133	P4722-03DL	WC-1(0-6)DL	SAM	11/08/24 00:26	5x for Fe	Kareem	Confirms
134	LR1	LR1	HIGH STD	11/08/24 00:30		Kareem	OK
135	LR2	LR2	HIGH STD	11/08/24 00:35		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

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STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091 MP83092		

136	CCV12	CCV12	CCV	11/08/24 00:39		Kareem	OK
137	CCB12	CCB12	CCB	11/08/24 00:43		Kareem	OK
138	P4701-01DL	BP-F3DL	SAM	11/08/24 00:48	NOT USE	Kareem	Not Ok
139	CCV13	CCV13	CCV	11/08/24 00:57		Kareem	OK
140	CCB13	CCB13	CCB	11/08/24 01:01		Kareem	OK

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pipette ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

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

Start Digest Date: 11/06/2024 Time : 10:00 Temp : 96 °C

End Digest Date: 11/06/2024 Time : 12:10 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: *[Signature]*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6000
LFS-2	1.00	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
1:1 HNO3	10.00	MP81119
CONC: HNO3	5.00	M6116
30% H2O2	3.00	M5634
CONC: HCL	10.00	M6095
PTFE Boiling Stones	N/A	M5585
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 #2 Cell #34 : 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/6/24 12:30	<i>[Signature]</i> Prep Met dig	<i>[Signature]</i> Metals Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P4693-01	BP-G5-WC	N/A	2.45	100	Brown	Yellow	Medium	N/A	N/A	1
P4693-05	BP-G4-WC	N/A	2.29	100	Brown	Yellow	Medium	N/A	N/A	2
P4694-01	Z-03A	N/A	2.36	100	Brown	Yellow	Medium	N/A	N/A	3
P4694-05	Z-04	N/A	2.20	100	Brown	Yellow	Medium	N/A	N/A	4
P4695-01	Z-01	N/A	2.22	100	Black	Brown	Medium	N/A	N/A	5
P4697-01	TP-1	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	6
P4699-01	MIXED-DEMO	N/A	2.44	100	Light Grey	yellowish Green	Medium	N/A	N/A	7
P4699-01MS	MIXED-DEMOMS	N/A	2.35	100	Light Grey	yellowish Green	Medium	N/A	M6000,M6009	9
P4699-01MSD	MIXED-DEMOMSD	N/A	2.19	100	Light Grey	yellowish Green	Medium	N/A	M6000, M6009	10
P4699-01DUP	MIXED-DEMODUP	N/A	2.24	100	Light Grey	yellowish Green	Medium	N/A	N/A	8
P4700-01	MH-8	N/A	2.30	100	Black	Yellow	Medium	N/A	N/A	11
P4701-01	BP-F3	N/A	2.48	100	Yellow	Yellow	Medium	N/A	N/A	12
P4701-05	BP-F4	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	13
P4706-01	TR-04-110424	N/A	2.29	100	Brown	Yellow	Medium	N/A	N/A	14
P4707-01	HD-02-110424	N/A	2.25	100	Brown	Yellow	Medium	N/A	N/A	15
P4708-01	OR-02-110424	N/A	2.46	100	Brown	Yellow	Medium	N/A	N/A	16
P4709-01	HR-02-110424	N/A	2.42	100	Brown	Yellow	Medium	N/A	N/A	17
P4709-03	HR-03-110424	N/A	2.15	100	Brown	Yellow	Medium	N/A	N/A	18
P4711-01	CF-613-COMP-16	N/A	2.23	100	Black	Brown	Medium	N/A	N/A	19
P4711-06	CF-613-COMP-17	N/A	2.12	100	Brown	Yellow	Medium	N/A	N/A	20
P4718-01	WB-307-SB01	N/A	2.30	100	Brown	Yellow	Medium	N/A	N/A	21
P4718-02	WB-307-SB02	N/A	2.44	100	Brown	Yellow	Medium	N/A	N/A	22
P4719-01	BAYAVE-STOCKPILE	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	23
PB164708BL	PBS708	N/A	2.28	100	Colorless	Colorless	Fine	N/A	N/A	24
PB164708BS	LCS708	N/A	2.28	100	Colorless	Colorless	Fine	N/A	M6000, M6009	25