



SAMPLE DATA

Report of Analysis

Client: HDR, Inc.
Project: PVWC Linear Construction
Client Sample ID: B3-0.0-1.0-20251117
Lab Sample ID: Q3662-02

Date Collected: 11/17/25 09:30
Date Received: 11/18/25
SDG No.: Q3662
Matrix: SOIL
% Solid: 84.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.15	J	1	0.048	0.28	mg/Kg	11/19/25 08:20	11/19/25 10:44	9012B

Comments: _____

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
H = Sample Analysis Out Of Hold Time

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: HDR, Inc.
Project: PVWC Linear Construction
Client Sample ID: B1-0.0-1.0-20251117
Lab Sample ID: Q3662-04

Date Collected: 11/17/25 11:05
Date Received: 11/18/25
SDG No.: Q3662
Matrix: SOIL
% Solid: 88.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.15	J	1	0.047	0.28	mg/Kg	11/19/25 08:20	11/19/25 11:46	9012B
Hexavalent Chromium	0.63		1	0.079	0.45	mg/Kg	11/19/25 09:00	11/19/25 13:22	7196A
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		11/19/25 08:45	9095B

Comments: _____

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

H = Sample Analysis Out Of Hold Time

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: HDR, Inc.
Project: PVWC Linear Construction
Client Sample ID: B1-0.0-1.0-20251117
Lab Sample ID: Q3662-05

Date Collected: 11/17/25 11:05
Date Received: 11/18/25
SDG No.: Q3662
Matrix: SOIL
% Solid: 100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	6.08	H	1	0	0	pH		11/20/25 08:30	9045D
Ignitability	NO		1	0	0	oC		11/19/25 09:35	1030
Reactive Cyanide	0.0083	U	1	0.0083	0.049	mg/Kg	11/20/25 12:15	11/20/25 15:09	9012B
Reactive Sulfide	3.18	J	1	0.20	10.0	mg/Kg	11/20/25 12:00	11/20/25 16:23	9034

Comments: pH result reported at temperature 20.8 °C

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

H = Sample Analysis Out Of Hold Time

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



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: HDR, Inc.

SDG No.: Q3662

Project: PVWC Linear Construction

RunNo.: LB137963

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.492	0.5	98	90-110	11/19/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.491	0.5	98	90-110	11/19/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.491	0.5	98	90-110	11/19/2025
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.495	0.5	99	90-110	11/19/2025

Initial and Continuing Calibration Verification

Client: HDR, Inc.

SDG No.: Q3662

Project: PVWC Linear Construction

RunNo.: LB137965

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Cyanide	mg/L	0.095	0.099	96	90-110	11/19/2025
Sample ID: CCV1 Cyanide	mg/L	0.25	0.25	100	90-110	11/19/2025
Sample ID: CCV2 Cyanide	mg/L	0.24	0.25	96	90-110	11/19/2025
Sample ID: CCV3 Cyanide	mg/L	0.25	0.25	100	90-110	11/19/2025

Initial and Continuing Calibration Verification

Client: HDR, Inc.

SDG No.: Q3662

Project: PVWC Linear Construction

RunNo.: LB137975

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Corrosivity	pH	7.00	7	100	90-110	11/20/2025
Sample ID: CCV1 Corrosivity	pH	2.02	2.00	101	90-110	11/20/2025
Sample ID: CCV2 Corrosivity	pH	12.02	12.00	100	90-110	11/20/2025

Initial and Continuing Calibration Verification

Client: HDR, Inc.

SDG No.: Q3662

Project: PVWC Linear Construction

RunNo.: LB137996

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Reactive Cyanide	mg/L	0.096	0.099	97	85-115	11/20/2025
Sample ID: CCV1 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	11/20/2025
Sample ID: CCV2 Reactive Cyanide	mg/L	0.24	0.25	96	90-110	11/20/2025

Initial and Continuing Calibration Blank Summary

Client: HDR, Inc.

SDG No.: Q3662

Project: PVWC Linear Construction

RunNo.: LB137963

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	11/19/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	11/19/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	11/19/2025
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	11/19/2025

Initial and Continuing Calibration Blank Summary

Client: HDR, Inc.

SDG No.: Q3662

Project: PVWC Linear Construction

RunNo.: LB137965

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/19/2025
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/19/2025
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/19/2025
Sample ID: CCB3 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/19/2025

Initial and Continuing Calibration Blank Summary

Client: HDR, Inc.

SDG No.: Q3662

Project: PVWC Linear Construction

RunNo.: LB137996

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Reactive Cyanide	mg/L	0.0011	0.0025	J	0.00096	0.005	11/20/2025
Sample ID: CCB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/20/2025
Sample ID: CCB2 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	11/20/2025

Preparation Blank Summary

Client: HDR, Inc.

SDG No.: Q3662

Project: PVWC Linear Construction

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB170592BL Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	11/19/2025
Sample ID: PB170616BL Cyanide	mg/Kg	< 0.1250	0.1250	U	0.042	0.25	11/19/2025
Sample ID: PB170641BL Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.0084	0.05	11/20/2025
Sample ID: PB170643BL Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	11/20/2025

Matrix Spike Summary

Client:	HDR, Inc.	SDG No.:	Q3662
Project:	PVWC Linear Construction	Sample ID:	Q3652-01
Client ID:	TP-1MS	Percent Solids for Spike Sample:	86.5

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	1430		0.080	U	1480	40	97		11/19/2025

Matrix Spike Summary

Client:	HDR, Inc.	SDG No.:	Q3662
Project:	PVWC Linear Construction	Sample ID:	Q3652-01
Client ID:	TP-1MS	Percent Solids for Spike Sample:	86.5

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	43.5		0.080	U	46.2	2	94		11/19/2025

Matrix Spike Summary

Client:	HDR, Inc.	SDG No.:	Q3662
Project:	PVWC Linear Construction	Sample ID:	Q3652-01
Client ID:	TP-1MS	Percent Solids for Spike Sample:	86.5

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	39.4		0.080	U	46.2	2	85		11/19/2025

Matrix Spike Summary

Client:	HDR, Inc.	SDG No.:	Q3662
Project:	PVWC Linear Construction	Sample ID:	Q3662-04
Client ID:	B1-0.0-1.0-20251117MS	Percent Solids for Spike Sample:	88.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.00		0.15	J	2.2	1	84		11/19/2025

Matrix Spike Summary

Client:	HDR, Inc.	SDG No.:	Q3662
Project:	PVWC Linear Construction	Sample ID:	Q3662-04
Client ID:	B1-0.0-1.0-20251117MSD	Percent Solids for Spike Sample:	88.1

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.00		0.15	J	2.2	1	84		11/19/2025

Duplicate Sample Summary

Client:	HDR, Inc.	SDG No.:	Q3662
Project:	PVWC Linear Construction	Sample ID:	Q3652-01
Client ID:	TP-1DUP	Percent Solids for Spike Sample:	86.5

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.080	U	0.080	U	1	0		11/19/2025

Duplicate Sample Summary

Client: HDR, Inc. Project: PVWC Linear Construction Client ID: B1-0.0-1.0-20251117DUP	SDG No.: Q3662 Sample ID: Q3662-04 Percent Solids for Spike Sample: 88.1
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Paint Filter	ml/100gm	+/-20	1.00	U	1.00	U	1	0		11/19/2025
Cyanide	mg/Kg	+/-20	0.15	J	0.15	J	1	0		11/19/2025

Duplicate Sample Summary

Client:	HDR, Inc.	SDG No.:	Q3662
Project:	PVWC Linear Construction	Sample ID:	Q3662-04
Client ID:	B1-0.0-1.0-20251117MSD	Percent Solids for Spike Sample:	88.1

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.00		2.00		1	0		11/19/2025

Duplicate Sample Summary

Client:	HDR, Inc.	SDG No.:	Q3662
Project:	PVWC Linear Construction	Sample ID:	Q3662-05
Client ID:	B1-0.0-1.0-20251117DUP	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		11/19/2025
Corrosivity	pH	+/-20	6.08		6.10		1	0.33		11/20/2025
Reactive Sulfide	mg/Kg	+/-20	3.18	J	3.18	J	1	0		11/20/2025
Reactive Cyanide	mg/Kg	+/-20	0.0083	U	0.0091	J	1	200	*	11/20/2025

Laboratory Control Sample Summary

Client:	HDR, Inc.	SDG No.:	Q3662
Project:	PVWC Linear Construction	Run No.:	LB137963

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170592BS							
Hexavalent Chromium	mg/Kg	20	19.5		98	1	84-110	11/19/2025

Laboratory Control Sample Summary

Client: HDR, Inc.

SDG No.: Q3662

Project: PVWC Linear Construction

Run No.: LB137965

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170616BS							
Cyanide	mg/Kg	5	4.80		96	1	85-115	11/19/2025

Instrument ID: FILTER/GRAVIMETRIC

Daily Analysis Runlog For Sequence/QC Batch ID # LB137960

Review By	Eman	Review On	11/19/2025 3:15:20 PM
Supervise By	Iwona	Supervise On	11/20/2025 10:41:01 AM
SubDirectory	LB137960	Test	Paint Filter
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	Q3662-04	B1-0.0-1.0-20251117	SAM	11/19/25 08:45		Eman	OK
2	Q3662-04DUP	B1-0.0-1.0-20251117	DUP	11/19/25 08:52		Eman	OK
3	Q3664-01	ARS20-0001	SAM	11/19/25 08:59		Eman	OK
4	Q3664-03	ARS20-0013	SAM	11/19/25 09:07		Eman	OK
5	Q3664-05	291399	SAM	11/19/25 09:15		Eman	OK
6	Q3669-01	EO-01-11182025	SAM	11/19/25 09:22		Eman	OK

Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QC Batch ID # LB137961

Review By	Eman	Review On	11/19/2025 10:30:20 AM
Supervise By	Iwona	Supervise On	11/19/2025 10:30:27 AM
SubDirectory	LB137961	Test	Ignitability
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleID	ClientID	QcType	Date	Comment	Operator	Status
1	Q3662-05	B1-0.0-1.0-20251117	SAM	11/19/25 09:35		Eman	OK
2	Q3662-05DUP	B1-0.0-1.0-20251117	DUP	11/19/25 09:42		Eman	OK
3	Q3666-01	BUR-25-0103	SAM	11/19/25 09:49		Eman	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137963

Review By	rubina	Review On	11/19/2025 1:35:22 PM
Supervise By	Iwona	Supervise On	11/19/2025 1:35:34 PM
SubDirectory	LB137963	Test	Hexavalent Chromium
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP115688,WP115340,WP115339,WP114310		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	11/19/25 13:10		rubina	OK
2	CAL2	CAL2	CAL	11/19/25 13:10		rubina	OK
3	CAL3	CAL3	CAL	11/19/25 13:11		rubina	OK
4	CAL4	CAL4	CAL	11/19/25 13:11		rubina	OK
5	CAL5	CAL5	CAL	11/19/25 13:12		rubina	OK
6	CAL6	CAL6	CAL	11/19/25 13:12		rubina	OK
7	CAL7	CAL7	CAL	11/19/25 13:13		rubina	OK
8	ICV	ICV	ICV	11/19/25 13:13		rubina	OK
9	ICB	ICB	ICB	11/19/25 13:14		rubina	OK
10	CCV1	CCV1	CCV	11/19/25 13:14		rubina	OK
11	CCB1	CCB1	CCB	11/19/25 13:15		rubina	OK
12	RL Check	RL Check	RL	11/19/25 13:15		rubina	OK
13	PB170592BL	PB170592BL	MB	11/19/25 13:16		rubina	OK
14	PB170592BS	PB170592BS	LCS	11/19/25 13:16		rubina	OK
15	Q3652-01	TP-1	SAM	11/19/25 13:17		rubina	OK
16	Q3652-01DUP	TP-1DUP	DUP	11/19/25 13:17		rubina	OK
17	Q3652-01MSPre	TP-1MS	MS	11/19/25 13:18		rubina	OK
18	Q3652-01MS2Ins	TP-1MS	MS	11/19/25 13:18		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137963

Review By	rubina	Review On	11/19/2025 1:35:22 PM
Supervise By	Iwona	Supervise On	11/19/2025 1:35:34 PM
SubDirectory	LB137963	Test	Hexavalent Chromium
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP115688,WP115340,WP115339,WP114310		

19	Q3652-01MS3Post	TP-1MS	MS	11/19/25 13:19		rubina	OK
20	Q3656-01	T2-GRAVEL	SAM	11/19/25 13:19		rubina	OK
21	Q3658-01	NB-07-111725	SAM	11/19/25 13:20		rubina	OK
22	Q3659-01	TANK-1-COMP-1	SAM	11/19/25 13:20		rubina	OK
23	CCV2	CCV2	CCV	11/19/25 13:21		rubina	OK
24	CCB2	CCB2	CCB	11/19/25 13:21		rubina	OK
25	Q3659-02	TANK-1-COMP-2	SAM	11/19/25 13:22		rubina	OK
26	Q3662-04	B1-0.0-1.0-20251117	SAM	11/19/25 13:22		rubina	OK
27	Q3664-01	ARS20-0001	SAM	11/19/25 13:23		rubina	OK
28	Q3664-03	ARS20-0013	SAM	11/19/25 13:23		rubina	OK
29	Q3664-05	291399	SAM	11/19/25 13:24		rubina	OK
30	Q3669-01	EO-01-11182025	SAM	11/19/25 13:24		rubina	OK
31	CCV3	CCV3	CCV	11/19/25 13:25		rubina	OK
32	CCB3	CCB3	CCB	11/19/25 13:25		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137965

Review By	rubina	Review On	11/19/2025 3:49:02 PM
Supervise By	Iwona	Supervise On	11/19/2025 3:49:19 PM
SubDirectory	LB137965	Test	Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP115736,WP115737,WP115738,WP115739,WP115740,WP115741,WP115742		
ICV Standard	W3012		
CCV Standard	WP115737		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP113838		
Chk Standard	WP115157,WP114324,WP115743		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/19/25 09:35		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	11/19/25 09:35		rubina	OK
3	10PPBCN	10PPBCN	CAL3	11/19/25 09:35		rubina	OK
4	50PPBCN	50PPBCN	CAL4	11/19/25 09:35		rubina	OK
5	100PPBCN	100PPBCN	CAL5	11/19/25 09:35		rubina	OK
6	250PPBCN	250PPBCN	CAL6	11/19/25 09:35		rubina	OK
7	500PPBCN	500PPBCN	CAL7	11/19/25 09:35		rubina	OK
8	ICV1	ICV1	ICV	11/19/25 10:36		rubina	OK
9	ICB1	ICB1	ICB	11/19/25 10:36		rubina	OK
10	CCV1	CCV1	CCV	11/19/25 10:36		rubina	OK
11	CCB1	CCB1	CCB	11/19/25 10:36		rubina	OK
12	PB170616BL	PB170616BL	MB	11/19/25 10:36		rubina	OK
13	PB170616BS	PB170616BS	LCS	11/19/25 10:36		rubina	OK
14	LOWPB170616	LOWPB170616	SAM	11/19/25 10:44		rubina	OK
15	HIGHPB170616	HIGHPB170616	SAM	11/19/25 10:44		rubina	OK
16	Q3662-02	B3-0.0-1.0-20251117	SAM	11/19/25 10:44		rubina	OK
17	Q3664-01	ARS20-0001	SAM	11/19/25 10:51		rubina	OK
18	Q3664-03	ARS20-0013	SAM	11/19/25 10:59		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137965

Review By	rubina	Review On	11/19/2025 3:49:02 PM
Supervise By	Iwona	Supervise On	11/19/2025 3:49:19 PM
SubDirectory	LB137965	Test	Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP115736,WP115737,WP115738,WP115739,WP115740,WP115741,WP115742		
ICV Standard	W3012		
CCV Standard	WP115737		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP113838		
Chk Standard	WP115157,WP114324,WP115743		

19	Q3664-05	291399	SAM	11/19/25 10:59		rubina	OK
20	Q3669-01	EO-01-11182025	SAM	11/19/25 10:59		rubina	OK
21	CCV2	CCV2	CCV	11/19/25 10:59		rubina	OK
22	CCB2	CCB2	CCB	11/19/25 11:03		rubina	OK
23	Q3662-04	B1-0.0-1.0-20251117	SAM	11/19/25 11:46		rubina	OK
24	Q3662-04DUP	B1-0.0-1.0-20251117	DUP	11/19/25 11:46		rubina	OK
25	Q3662-04MS	B1-0.0-1.0-20251117	MS	11/19/25 11:46		rubina	OK
26	Q3662-04MSD	B1-0.0-1.0-20251117	MSD	11/19/25 11:46		rubina	OK
27	CCV3	CCV3	CCV	11/19/25 11:46		rubina	OK
28	CCB3	CCB3	CCB	11/19/25 11:46		rubina	OK

Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137975

Review By	jignesh	Review On	11/20/2025 9:17:16 AM
Supervise By	Iwona	Supervise On	11/20/2025 10:17:12 AM
SubDirectory	LB137975	Test	Corrosivity
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3178,W3093,W3191,W3217,W3161,W3200		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	11/20/25 08:15		Jignesh	OK
2	CAL2	CAL2	CAL	11/20/25 08:16		Jignesh	OK
3	CAL3	CAL3	CAL	11/20/25 08:17		Jignesh	OK
4	ICV	ICV	ICV	11/20/25 08:20		Jignesh	OK
5	CCV1	CCV1	CCV	11/20/25 08:22		Jignesh	OK
6	Q3662-05	B1-0.0-1.0-20251117	SAM	11/20/25 08:30		Jignesh	OK
7	Q3662-05DUP	B1-0.0-1.0-20251117	DUP	11/20/25 08:36		Jignesh	OK
8	Q3678-02	COMPOSITE-STONE	SAM	11/20/25 08:48		Jignesh	OK
9	CCV2	CCV2	CCV	11/20/25 08:50		Jignesh	OK

Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QC Batch ID # LB137993

Review By	rubina	Review On	11/20/2025 4:42:35 PM
Supervise By	Iwona	Supervise On	11/20/2025 4:56:10 PM
SubDirectory	LB137993	Test	Reactive Sulfide
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3248,W3213,W3149		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	PB170643BL	PB170643BL	MB	11/20/25 16:20		rubina	OK
2	Q3662-05	B1-0.0-1.0-20251117	SAM	11/20/25 16:23		rubina	OK
3	Q3662-05DUP	B1-0.0-1.0-20251117	DUP	11/20/25 16:26		rubina	OK
4	Q3678-02	COMPOSITE-STONE	SAM	11/20/25 16:29		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137996

Review By	rubina	Review On	11/20/2025 5:26:09 PM
Supervise By	Iwona	Supervise On	11/21/2025 2:16:19 PM
SubDirectory	LB137996	Test	Reactive Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP115751,WP115752,WP115753,WP115754,WP115755,WP115756,WP115757		
ICV Standard	WP115758		
CCV Standard	WP115752		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP115157,WP114324,WP115759		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/20/25 09:29		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	11/20/25 09:29		rubina	OK
3	10PPBCN	10PPBCN	CAL3	11/20/25 09:29		rubina	OK
4	50PPBCN	50PPBCN	CAL4	11/20/25 09:29		rubina	OK
5	100PPBCN	100PPBCN	CAL5	11/20/25 09:29		rubina	OK
6	250PPBCN	250PPBCN	CAL6	11/20/25 09:29		rubina	OK
7	500PPBCN	500PPBCN	CAL7	11/20/25 09:29		rubina	OK
8	ICV1	ICV1	ICV	11/20/25 15:01		rubina	OK
9	ICB1	ICB1	ICB	11/20/25 15:01		rubina	OK
10	CCV1	CCV1	CCV	11/20/25 15:01		rubina	OK
11	CCB1	CCB1	CCB	11/20/25 15:01		rubina	OK
12	PB170641BL	PB170641BL	MB	11/20/25 15:01		rubina	OK
13	Q3662-05	B1-0.0-1.0-20251117	SAM	11/20/25 15:09		rubina	OK
14	Q3662-05DUP	B1-0.0-1.0-20251117	DUP	11/20/25 15:09		rubina	OK
15	Q3678-02	COMPOSITE-STONE	SAM	11/20/25 15:09		rubina	OK
16	PB170642BL	PB170642BL	MB	11/20/25 15:09		rubina	OK
17	Q3682-01	3456	SAM	11/20/25 15:09		rubina	OK
18	Q3682-01DUP	3456DUP	DUP	11/20/25 15:09		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137996

Review By	rubina	Review On	11/20/2025 5:26:09 PM
Supervise By	Iwona	Supervise On	11/21/2025 2:16:19 PM
SubDirectory	LB137996	Test	Reactive Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP115751,WP115752,WP115753,WP115754,WP115755,WP115756,WP115757		
ICV Standard	WP115758		
CCV Standard	WP115752		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP115157,WP114324,WP115759		

19	Q3685-03	4206	SAM	11/20/25 15:16		rubina	OK
20	CCV2	CCV2	CCV	11/20/25 15:16		rubina	OK
21	CCB2	CCB2	CCB	11/20/25 15:20		rubina	OK

LAB CHRONICLE

OrderID:	Q3662	OrderDate:	11/18/2025 11:14:00 AM
Client:	HDR, Inc.	Project:	PVWC Linear Construction
Contact:	Andrew Wadden	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3662-02	B3-0.0-1.0-20251117	SOIL			11/17/25 09:30			11/18/25
			Cyanide	9012B		11/19/25	11/19/25 10:44	
Q3662-04	B1-0.0-1.0-20251117	SOIL			11/17/25 11:05			11/18/25
			Cyanide	9012B		11/19/25	11/19/25 11:46	
			Hexavalent Chromium	7196A		11/19/25	11/19/25 13:22	
			Paint Filter	9095B			11/19/25 08:45	
Q3662-05	B1-0.0-1.0-20251117	SOIL			11/17/25 11:05			11/18/25
			Corrosivity	9045D			11/20/25 08:30	
			Ignitability	1030			11/19/25 09:35	
			Reactive Cyanide	9012B		11/20/25	11/20/25 15:09	
			Reactive Sulfide	9034		11/20/25	11/20/25 16:23	

SOP ID : M3060A,7196A-Hex.Chromium-27

SDG No : N/A

Start Digest Date: 11/19/2025 Time : 09:00 Temp : 90 °C

Matrix : SOIL

End Digest Date: 11/19/2025 Time : 10:00 Temp : 93 °C

Pipette ID : WC

11 batch 11/19/2025 11/19/2025 10.25 11.25 90.25 95.25 } R

Balance ID : WC SC-7

Hood ID : HOOD#3

Digestion tube ID : M6054

Block Thermometer ID : WC-Block#1

Block ID : WC S-2, WC S-1

Filter paper ID : 400213

Prep Technician Signature: RM

Weigh By : RM

pH Meter ID : WC pH meter-1

Supervisor Signature: 12

Standard Name	MLS USED	STD REF. # FROM LOG
PRE-DIGESTION SPIKE	2.0ML	WP113880
INSOLUBLE SPIKE	0.02GM	W2202
POST-DIGESTION SPIKE	2.0ML	WP113880
LCSS	1.0ML	WP113881
PBS003	50.ML	W3112

Chemical Used	ML/SAMPLE USED	Lot Number
MAGNESIUM CHLORIDE	0.4GM	W3152
PHOSPHATE BUFFER	5.0ML	WP115410
HEX. DIGESTION SOLN.	50.0ML	WP115338
5M HNO3	5-7ML	WP115339
5N H2SO4	1-3ML	WP115340
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

LAB SAMPLE ID	CLIENT SAMPLE ID	Vol(ml)	Comment
CAL1	CAL1	2.5ML	W3112
CAL2	CAL2	0.2ML	WP115734
CAL3	CAL3	0.5ML	WP115734
CAL4	CAL4	1ML	WP115734
CAL5	CAL5	0.2ML	WP113880
CAL6	CAL6	1ML	WP113880
CAL7	CAL7	2.0ML	WP113880
ICV	ICV	1ML	WP113881
ICB	ICB	2.5ML	W3112
CCV	CCV	1ML	WP113880
CCB	CCB	2.5ML	W3112

Extraction Conformance/Non-Conformance Comments:

N/A

11/19/2025 RM

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170592BL	PBS592	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB170592BS	LCS592	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3652-01DUP	TP-1DUP	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3652-01MSPre	TP-1MSPRE	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3652-01MS2Ins	TP-1MS2INS	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3652-01MS3Post	TP-1MS3POST	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3652-01	TP-1	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3656-01	T2-GRAVEL	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3658-01	NB-07-111725	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3659-01	TANK-1-COMP-1	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3659-02	TANK-1-COMP-2	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-04	B3-0.0-1.0-20251117	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3664-01	ARS20-0001	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3664-03	ARS20-0013	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3664-05	291399	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3669-01	EO-01-11182025	2.58	100	N/A	N/A	N/A	N/A	N/A	N/A

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21

SDG No : N/A

Start Digest Date: 11/19/2025 Time : 08:20 Temp : 123 °C

Matrix : SOIL

End Digest Date: 11/19/2025 Time : 09:50 Temp : 128 °C

Pipette ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#1

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Block ID : MC-1,MC-2

Filter paper ID : N/A

Prep Technician Signature: 

Weigh By : JP

pH Meter ID : N/A

Supervisor Signature: 

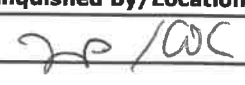
Standardized Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP113838
MS/MSD SPIKE SOL.	0.40ML	WP113837
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP113836
50% v/v H2SO4	5.0ML	WP115334
51% w/v MgCL2	2.0ML	WP115335
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

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
S0	S0	N/A	N/A
S5.0	S5.0	N/A	N/A
S10.0	S10.0	N/A	N/A
S100.0	S100.0	N/A	N/A
S250.0	S250.0	N/A	N/A
S500.0	S500.0	N/A	N/A
ICV	ICV	0.5ML	W3012
ICB	ICB	N/A	N/A
CCV	CCV	N/A	N/A
CCB	CCB	N/A	N/A
Midrange	Midrange	N/A	N/A
HIGHSTD	HIGHSTD	5.0ML	WP113837
LOWSTD	LOWSTD	0.1ML	WP113837

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/19/2025 10:05		RMW
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170616BL	PBS616	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
PB170616BS	LCS616	1.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-02	B3-0.0-1.0-20251117	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-04	B3-0.0-1.0-20251117	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-04DUP	B3-0.0-1.0-20251117DUP	1.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-04MS	B3-0.0-1.0-20251117MS	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-04MSD	B3-0.0-1.0-20251117MSD	1.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3664-01	ARS20-0001	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3664-03	ARS20-0013	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3664-05	291399	1.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3669-01	EO-01-11182025	1.01	50	N/A	N/A	N/A	N/A	N/A	N/A

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21

SDG No : N/A

Start Digest Date: 11/20/2025 Time : 12:15 Temp : N/A

Matrix : SOIL

End Digest Date: 11/20/2025 Time : 13:45 Temp : N/A

Pipette ID : N/A

Balance ID : WC SC-7

Hood ID : HOOD#1

Digestion tube ID : M5595

Block Thermometer ID : N/A

Block ID : MC-1

Filter paper ID : N/A

Prep Technician Signature: RH

Weigh By : RM

pH Meter ID : N/A

Supervisor Signature: 12

Standard Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
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 USED	Lot Number
0.25N NaOH	50.0ML	WP113836
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
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Comment

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/20/2025 14:00	RM CWG	RM CWG
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170641BL	PBS641	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-05DUP	B1-0.0-1.0-20251117DUP	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-05	B1-0.0-1.0-20251117	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3678-02	COMPOSITE-STONE	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A

SOP ID : M9030B-Sulfide-13

SDG No : N/A

Start Digest Date: 11/20/2025 Time : 12:00 Temp : N/A

Matrix : SOIL

End Digest Date: 11/20/2025 Time : 13:30 Temp : N/A

Pipette ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#2

Digestion tube ID : M5595

Block Thermometer ID : N/A

Block ID : WC-DIST-BLOCK-1

Filter paper ID : N/A

Prep Technician Signature: RM

Weigh By : IZ

pH Meter ID : N/A

Supervisor Signature: 12

Standard Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
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 USED	Lot Number
0.5M ZINC ACETATE	5.0ML	WP114311
FORMALDEHYDE	2.0ML	W3220
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:

11/20/2025 RM

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170643BL	PBS643	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-05DUP	B1-0.0-1.0-20251117DUP	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3662-05	B1-0.0-1.0-20251117	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3678-02	COMPOSITE-STONE	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A