



LAB CHRONICLE

OrderID:	Q3810	OrderDate:	12/8/2025 11:14:24 AM
Client:	Dal-Tile	Project:	Dickson Plant - Stormwater Monitoring
Contact:	Brad Bell	Location:	D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3810-01	BP Dirt Sample	TCLP			12/01/25			12/08/25
			TCLP ICP Metals	6010D		12/10/25	12/10/25	
			TCLP Mercury	7470A		12/09/25	12/10/25	



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Hit Summary Sheet
SW-846

SDG No.:	Q3810	Order ID:	Q3810
Client:	Dal-Tile	Project ID:	Dickson Plant - Stormwater Monitoring

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : BP Dirt Sample								
Q3810-01	BP Dirt Sample	TCLP	Barium	397	J	72.8	500	ug/L
Q3810-01	BP Dirt Sample	TCLP	Cadmium	5.43	J	2.50	30.0	ug/L
Q3810-01	BP Dirt Sample	TCLP	Chromium	16.4	J	10.6	50.0	ug/L
Q3810-01	BP Dirt Sample	TCLP	Mercury	0.95	J	0.76	2.00	ug/L



SAMPLE DATA

Report of Analysis

Client:	Dal-Tile	Date Collected:	12/01/25
Project:	Dickson Plant - Stormwater Monitoring	Date Received:	12/08/25
Client Sample ID:	BP Dirt Sample	SDG No.:	Q3810
Lab Sample ID:	Q3810-01	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	25.6	U	1	25.6	100	ug/L	12/10/25 12:36	12/10/25 19:11	6010D	M3010A
7440-39-3	Barium	397	J	1	72.8	500	ug/L	12/10/25 12:36	12/10/25 19:11	6010D	M3010A
7440-43-9	Cadmium	5.43	J	1	2.50	30.0	ug/L	12/10/25 12:36	12/10/25 19:11	6010D	M3010A
7440-47-3	Chromium	16.4	J	1	10.6	50.0	ug/L	12/10/25 12:36	12/10/25 19:11	6010D	M3010A
7439-92-1	Lead	11.5	U	1	11.5	60.0	ug/L	12/10/25 12:36	12/10/25 19:11	6010D	M3010A
7439-97-6	Mercury	0.95	J	1	0.76	2.00	ug/L	12/09/25 12:28	12/10/25 10:26	7470A	M7470A
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	12/10/25 12:36	12/10/25 19:11	6010D	M3010A
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	12/10/25 12:36	12/10/25 19:11	6010D	M3010A

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV149	Mercury	3.85	4.0	96	90 - 110	CV	12/10/2025	09:13	LB138176

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV90	Mercury	5.33	5.0	107	90 - 110	CV	12/10/2025	09:18	LB138176
CCV91	Mercury	5.20	5.0	104	90 - 110	CV	12/10/2025	09:48	LB138176
CCV92	Mercury	5.18	5.0	104	90 - 110	CV	12/10/2025	10:15	LB138176
CCV93	Mercury	5.12	5.0	102	90 - 110	CV	12/10/2025	10:45	LB138176

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

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	Arsenic	3810	4000	95	90 - 110	P	12/10/2025	13:06	LB138187
	Barium	8040	8000	100	90 - 110	P	12/10/2025	13:06	LB138187
	Cadmium	2010	2000	100	90 - 110	P	12/10/2025	13:06	LB138187
	Chromium	769	800	96	90 - 110	P	12/10/2025	13:06	LB138187
	Lead	4030	4000	101	90 - 110	P	12/10/2025	13:06	LB138187
	Selenium	3890	4000	97	90 - 110	P	12/10/2025	13:06	LB138187
	Silver	1010	1000	101	90 - 110	P	12/10/2025	13:06	LB138187

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	23.7	20.0	119	80 - 120	P	12/10/2025	13:16	LB138187
	Barium	97.9	100	98	80 - 120	P	12/10/2025	13:16	LB138187
	Cadmium	6.12	6.0	102	80 - 120	P	12/10/2025	13:16	LB138187
	Chromium	10.4	10.0	104	80 - 120	P	12/10/2025	13:16	LB138187
	Lead	12.2	12.0	102	80 - 120	P	12/10/2025	13:16	LB138187
	Selenium	22.1	20.0	110	80 - 120	P	12/10/2025	13:16	LB138187
	Silver	9.87	10.0	99	80 - 120	P	12/10/2025	13:16	LB138187

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5040	5000	101	90 - 110	P	12/10/2025	13:55	LB138187
	Barium	9950	10000	100	90 - 110	P	12/10/2025	13:55	LB138187
	Cadmium	2470	2500	99	90 - 110	P	12/10/2025	13:55	LB138187
	Chromium	1010	1000	101	90 - 110	P	12/10/2025	13:55	LB138187
	Lead	4970	5000	99	90 - 110	P	12/10/2025	13:55	LB138187
	Selenium	5050	5000	101	90 - 110	P	12/10/2025	13:55	LB138187
	Silver	1260	1250	100	90 - 110	P	12/10/2025	13:55	LB138187
CCV02	Arsenic	4990	5000	100	90 - 110	P	12/10/2025	14:45	LB138187
	Barium	10100	10000	101	90 - 110	P	12/10/2025	14:45	LB138187
	Cadmium	2420	2500	97	90 - 110	P	12/10/2025	14:45	LB138187
	Chromium	984	1000	98	90 - 110	P	12/10/2025	14:45	LB138187
	Lead	4890	5000	98	90 - 110	P	12/10/2025	14:45	LB138187
	Selenium	5010	5000	100	90 - 110	P	12/10/2025	14:45	LB138187
	Silver	1240	1250	100	90 - 110	P	12/10/2025	14:45	LB138187
CCV03	Arsenic	5090	5000	102	90 - 110	P	12/10/2025	15:46	LB138187
	Barium	9740	10000	97	90 - 110	P	12/10/2025	15:46	LB138187
	Cadmium	2450	2500	98	90 - 110	P	12/10/2025	15:46	LB138187
	Chromium	981	1000	98	90 - 110	P	12/10/2025	15:46	LB138187
	Lead	4930	5000	99	90 - 110	P	12/10/2025	15:46	LB138187
	Selenium	5210	5000	104	90 - 110	P	12/10/2025	15:46	LB138187
	Silver	1240	1250	99	90 - 110	P	12/10/2025	15:46	LB138187
CCV04	Arsenic	4910	5000	98	90 - 110	P	12/10/2025	16:42	LB138187
	Barium	9440	10000	94	90 - 110	P	12/10/2025	16:42	LB138187
	Cadmium	2420	2500	97	90 - 110	P	12/10/2025	16:42	LB138187
	Chromium	995	1000	100	90 - 110	P	12/10/2025	16:42	LB138187
	Lead	4890	5000	98	90 - 110	P	12/10/2025	16:42	LB138187
	Selenium	4960	5000	99	90 - 110	P	12/10/2025	16:42	LB138187
	Silver	1250	1250	100	90 - 110	P	12/10/2025	16:42	LB138187
CCV05	Arsenic	4920	5000	98	90 - 110	P	12/10/2025	17:49	LB138187
	Barium	9910	10000	99	90 - 110	P	12/10/2025	17:49	LB138187
	Cadmium	2410	2500	96	90 - 110	P	12/10/2025	17:49	LB138187
	Chromium	988	1000	99	90 - 110	P	12/10/2025	17:49	LB138187
	Lead	4860	5000	97	90 - 110	P	12/10/2025	17:49	LB138187
	Selenium	4950	5000	99	90 - 110	P	12/10/2025	17:49	LB138187

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile
Contract: DALT01
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3810
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Silver	1240	1250	99	90 - 110	P	12/10/2025	17:49	LB138187
CCV06	Arsenic	4900	5000	98	90 - 110	P	12/10/2025	18:41	LB138187
	Barium	9530	10000	95	90 - 110	P	12/10/2025	18:41	LB138187
	Cadmium	2380	2500	95	90 - 110	P	12/10/2025	18:41	LB138187
	Chromium	965	1000	96	90 - 110	P	12/10/2025	18:41	LB138187
	Lead	4820	5000	96	90 - 110	P	12/10/2025	18:41	LB138187
	Selenium	4940	5000	99	90 - 110	P	12/10/2025	18:41	LB138187
	Silver	1190	1250	95	90 - 110	P	12/10/2025	18:41	LB138187
CCV07	Arsenic	4900	5000	98	90 - 110	P	12/10/2025	19:33	LB138187
	Barium	9430	10000	94	90 - 110	P	12/10/2025	19:33	LB138187
	Cadmium	2370	2500	95	90 - 110	P	12/10/2025	19:33	LB138187
	Chromium	970	1000	97	90 - 110	P	12/10/2025	19:33	LB138187
	Lead	4790	5000	96	90 - 110	P	12/10/2025	19:33	LB138187
	Selenium	4960	5000	99	90 - 110	P	12/10/2025	19:33	LB138187
	Silver	1220	1250	97	90 - 110	P	12/10/2025	19:33	LB138187
CCV08	Arsenic	4940	5000	99	90 - 110	P	12/10/2025	20:21	LB138187
	Barium	9570	10000	96	90 - 110	P	12/10/2025	20:21	LB138187
	Cadmium	2400	2500	96	90 - 110	P	12/10/2025	20:21	LB138187
	Chromium	971	1000	97	90 - 110	P	12/10/2025	20:21	LB138187
	Lead	4870	5000	98	90 - 110	P	12/10/2025	20:21	LB138187
	Selenium	5030	5000	101	90 - 110	P	12/10/2025	20:21	LB138187
	Silver	1230	1250	98	90 - 110	P	12/10/2025	20:21	LB138187



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Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.18	0.2	91	70 - 130	CV	12/10/2025	09:22	LB138176
CRI01	Arsenic	20.0	20.0	100	65 - 135	P	12/10/2025	13:33	LB138187
	Barium	97.5	100	98	65 - 135	P	12/10/2025	13:33	LB138187
	Cadmium	5.99	6.0	100	65 - 135	P	12/10/2025	13:33	LB138187
	Chromium	9.47	10.0	95	65 - 135	P	12/10/2025	13:33	LB138187
	Lead	13.7	12.0	114	65 - 135	P	12/10/2025	13:33	LB138187
	Selenium	18.3	20.0	92	65 - 135	P	12/10/2025	13:33	LB138187
	Silver	9.55	10.0	96	65 - 135	P	12/10/2025	13:33	LB138187



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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB149	Mercury	0.076	+/-0.2	U	0.20	CV	12/10/2025	09:16	LB138176

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB90	Mercury	0.076	+/-0.2	U	0.20	CV	12/10/2025	09:20	LB138176
CCB91	Mercury	0.076	+/-0.2	U	0.20	CV	12/10/2025	09:50	LB138176
CCB92	Mercury	0.076	+/-0.2	U	0.20	CV	12/10/2025	10:17	LB138176
CCB93	Mercury	0.076	+/-0.2	U	0.20	CV	12/10/2025	10:47	LB138176

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	12/10/2025	13:21	LB138187
	Barium	14.6	+/-50	U	100	P	12/10/2025	13:21	LB138187
	Cadmium	0.50	+/-3	U	6.00	P	12/10/2025	13:21	LB138187
	Chromium	2.12	+/-5	U	10.0	P	12/10/2025	13:21	LB138187
	Lead	2.30	+/-6	U	12.0	P	12/10/2025	13:21	LB138187
	Selenium	9.64	+/-10	U	20.0	P	12/10/2025	13:21	LB138187
	Silver	1.62	+/-5	U	10.0	P	12/10/2025	13:21	LB138187

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	12/10/2025	13:59	LB138187
	Barium	14.6	+/-50	U	100	P	12/10/2025	13:59	LB138187
	Cadmium	0.50	+/-3	U	6.00	P	12/10/2025	13:59	LB138187
	Chromium	2.12	+/-5	U	10.0	P	12/10/2025	13:59	LB138187
	Lead	2.30	+/-6	U	12.0	P	12/10/2025	13:59	LB138187
	Selenium	9.64	+/-10	U	20.0	P	12/10/2025	13:59	LB138187
	Silver	1.62	+/-5	U	10.0	P	12/10/2025	13:59	LB138187
CCB02	Arsenic	5.12	+/-10	U	20.0	P	12/10/2025	14:49	LB138187
	Barium	14.6	+/-50	U	100	P	12/10/2025	14:49	LB138187
	Cadmium	0.50	+/-3	U	6.00	P	12/10/2025	14:49	LB138187
	Chromium	2.12	+/-5	U	10.0	P	12/10/2025	14:49	LB138187
	Lead	2.30	+/-6	U	12.0	P	12/10/2025	14:49	LB138187
	Selenium	9.64	+/-10	U	20.0	P	12/10/2025	14:49	LB138187
	Silver	1.62	+/-5	U	10.0	P	12/10/2025	14:49	LB138187
CCB03	Arsenic	5.12	+/-10	U	20.0	P	12/10/2025	15:50	LB138187
	Barium	14.6	+/-50	U	100	P	12/10/2025	15:50	LB138187
	Cadmium	0.50	+/-3	U	6.00	P	12/10/2025	15:50	LB138187
	Chromium	2.12	+/-5	U	10.0	P	12/10/2025	15:50	LB138187
	Lead	2.30	+/-6	U	12.0	P	12/10/2025	15:50	LB138187
	Selenium	9.64	+/-10	U	20.0	P	12/10/2025	15:50	LB138187
	Silver	1.62	+/-5	U	10.0	P	12/10/2025	15:50	LB138187
CCB04	Arsenic	5.12	+/-10	U	20.0	P	12/10/2025	16:46	LB138187
	Barium	14.6	+/-50	U	100	P	12/10/2025	16:46	LB138187
	Cadmium	0.50	+/-3	U	6.00	P	12/10/2025	16:46	LB138187
	Chromium	2.12	+/-5	U	10.0	P	12/10/2025	16:46	LB138187
	Lead	2.30	+/-6	U	12.0	P	12/10/2025	16:46	LB138187
	Selenium	9.64	+/-10	U	20.0	P	12/10/2025	16:46	LB138187
	Silver	1.62	+/-5	U	10.0	P	12/10/2025	16:46	LB138187
CCB05	Arsenic	5.12	+/-10	U	20.0	P	12/10/2025	17:53	LB138187
	Barium	14.6	+/-50	U	100	P	12/10/2025	17:53	LB138187
	Cadmium	0.50	+/-3	U	6.00	P	12/10/2025	17:53	LB138187
	Chromium	2.12	+/-5	U	10.0	P	12/10/2025	17:53	LB138187
	Lead	2.30	+/-6	U	12.0	P	12/10/2025	17:53	LB138187
	Selenium	9.64	+/-10	U	20.0	P	12/10/2025	17:53	LB138187
	Silver	1.62	+/-5	U	10.0	P	12/10/2025	17:53	LB138187
CCB06	Arsenic	5.12	+/-10	U	20.0	P	12/10/2025	18:45	LB138187
	Barium	14.6	+/-50	U	100	P	12/10/2025	18:45	LB138187
	Cadmium	0.50	+/-3	U	6.00	P	12/10/2025	18:45	LB138187
	Chromium	2.12	+/-5	U	10.0	P	12/10/2025	18:45	LB138187

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	2.30	+/-6	U	12.0	P	12/10/2025	18:45	LB138187
	Selenium	9.64	+/-10	U	20.0	P	12/10/2025	18:45	LB138187
	Silver	1.62	+/-5	U	10.0	P	12/10/2025	18:45	LB138187
CCB07	Arsenic	5.12	+/-10	U	20.0	P	12/10/2025	19:37	LB138187
	Barium	14.6	+/-50	U	100	P	12/10/2025	19:37	LB138187
	Cadmium	0.50	+/-3	U	6.00	P	12/10/2025	19:37	LB138187
	Chromium	2.12	+/-5	U	10.0	P	12/10/2025	19:37	LB138187
	Lead	2.30	+/-6	U	12.0	P	12/10/2025	19:37	LB138187
	Selenium	9.64	+/-10	U	20.0	P	12/10/2025	19:37	LB138187
	Silver	1.62	+/-5	U	10.0	P	12/10/2025	19:37	LB138187
CCB08	Arsenic	5.12	+/-10	U	20.0	P	12/10/2025	20:25	LB138187
	Barium	14.6	+/-50	U	100	P	12/10/2025	20:25	LB138187
	Cadmium	0.50	+/-3	U	6.00	P	12/10/2025	20:25	LB138187
	Chromium	2.12	+/-5	U	10.0	P	12/10/2025	20:25	LB138187
	Lead	2.30	+/-6	U	12.0	P	12/10/2025	20:25	LB138187
	Selenium	9.64	+/-10	U	20.0	P	12/10/2025	20:25	LB138187
	Silver	1.62	+/-5	U	10.0	P	12/10/2025	20:25	LB138187

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3810

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170857TB		WATER		Batch Number:	PB170871		Prep Date:	12/09/2025	
	Mercury	0.76	<2	U	2.00	CV	12/10/2025	10:38	LB138176
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170871BL		WATER		Batch Number:	PB170871		Prep Date:	12/09/2025	
	Mercury	0.076	<0.2	U	0.20	CV	12/10/2025	09:29	LB138176

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3810

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170857TB		WATER		Batch Number:	PB170887		Prep Date:	12/10/2025	
	Arsenic	25.6	<50	U	100	P	12/10/2025	19:55	LB138187
	Barium	72.8	<250	U	500	P	12/10/2025	19:55	LB138187
	Cadmium	2.50	<15	U	30.0	P	12/10/2025	19:55	LB138187
	Chromium	21.1	<25	J	50.0	P	12/10/2025	19:55	LB138187
	Lead	17.0	<30	J	60.0	P	12/10/2025	19:55	LB138187
	Selenium	48.2	<50	U	100	P	12/10/2025	19:55	LB138187
	Silver	8.10	<25	U	50.0	P	12/10/2025	19:55	LB138187
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170887BL		WATER		Batch Number:	PB170887		Prep Date:	12/10/2025	
	Arsenic	25.6	<50	U	100	P	12/10/2025	20:04	LB138187
	Barium	72.8	<250	U	500	P	12/10/2025	20:04	LB138187
	Cadmium	2.50	<15	U	30.0	P	12/10/2025	20:04	LB138187
	Chromium	10.6	<25	U	50.0	P	12/10/2025	20:04	LB138187
	Lead	11.5	<30	U	60.0	P	12/10/2025	20:04	LB138187
	Selenium	48.2	<50	U	100	P	12/10/2025	20:04	LB138187
	Silver	8.10	<25	U	50.0	P	12/10/2025	20:04	LB138187

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>Dal-Tile</u>	SDG No.: <u>Q3810</u>
Contract: <u>DALT01</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	7.31			-20	20	12/10/2025	13:38	LB138187
	Barium	3.06	6.0	51	-94	106	12/10/2025	13:38	LB138187
	Cadmium	2.15	1.0	215	-5	7	12/10/2025	13:38	LB138187
	Chromium	42.5	52.0	82	42	62	12/10/2025	13:38	LB138187
	Lead	8.91			-12	12	12/10/2025	13:38	LB138187
	Selenium	-1.91			-20	20	12/10/2025	13:38	LB138187
	Silver	5.22			-10	10	12/10/2025	13:38	LB138187
ICSAB01	Arsenic	99.4	104	96	88.4	120	12/10/2025	13:42	LB138187
	Barium	496	537	92	437	637	12/10/2025	13:42	LB138187
	Cadmium	941	972	97	826	1120	12/10/2025	13:42	LB138187
	Chromium	502	542	93	460	624	12/10/2025	13:42	LB138187
	Lead	59.8	49.0	122	37	61	12/10/2025	13:42	LB138187
	Selenium	42.4	46.0	92	26	66	12/10/2025	13:42	LB138187
	Silver	178	201	89	170	232	12/10/2025	13:42	LB138187



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Dal-Tile</u>	level: <u>low</u>	sdg no.: <u>Q3810</u>
contract: <u>DALT01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3810-01</u>	client id: <u>BP Dirt SampleMS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3810-01MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3360		100	U	4000	84		P
Barium	ug/L	75 - 125	1200		397	J	1000	80		P
Cadmium	ug/L	75 - 125	807		5.43	J	1000	80		P
Chromium	ug/L	75 - 125	1630		16.4	J	2000	81		P
Lead	ug/L	75 - 125	3910		60.0	U	5000	78		P
Mercury	ug/L	75 - 125	37.8		0.95	J	40.0	92		CV
Selenium	ug/L	75 - 125	8320		100	U	10000	83		P
Silver	ug/L	75 - 125	295		50.0	U	380	78		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Dal-Tile</u>	level: <u>low</u>	sdg no.: <u>Q3810</u>
contract: <u>DALT01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3810-01</u>	client id: <u>BP Dirt SampleMSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3810-01MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3420		100	U	4000	86		P
Barium	ug/L	75 - 125	1170		397	J	1000	77		P
Cadmium	ug/L	75 - 125	807		5.43	J	1000	80		P
Chromium	ug/L	75 - 125	1660		16.4	J	2000	82		P
Lead	ug/L	75 - 125	3920		60.0	U	5000	78		P
Mercury	ug/L	75 - 125	37.6		0.95	J	40.0	92		CV
Selenium	ug/L	75 - 125	8460		100	U	10000	85		P
Silver	ug/L	75 - 125	297		50.0	U	380	78		P

Metals
- 5b -

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

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>Dal-Tile</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3810</u>
Contract:	<u>DALT01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3810-01</u>	Client ID:	<u>BP Dirt SampleDUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3810-01DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	397	J	397	J	0		P
Cadmium	ug/L	20	5.43	J	4.81	J	12		P
Chromium	ug/L	20	16.4	J	16.1	J	2		P
Lead	ug/L	20	60.0	U	60.0	U			P
Mercury	ug/L	20	0.95	J	1.12	J	16		CV
Selenium	ug/L	20	100	U	52.0	J	200.0		P
Silver	ug/L	20	50.0	U	50.0	U			P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Dal-Tile</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3810</u>
Contract:	<u>DALT01</u>	Lab Code:	<u>ACE</u>		
Matrix:	<u>Water</u>	Sample ID:	<u>Q3810-01MS</u>	Client ID:	<u>BP Dirt SampleMSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3810-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	3360		3420		2		P
Barium	ug/L	20	1200		1170		3		P
Cadmium	ug/L	20	807		807		0		P
Chromium	ug/L	20	1630		1660		2		P
Lead	ug/L	20	3910		3920		0		P
Mercury	ug/L	20	37.8		37.6		1		CV
Selenium	ug/L	20	8320		8460		2		P
Silver	ug/L	20	295		297		1		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170871BS Mercury	ug/L	4.0	3.88		97	80 - 120	CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>Dal-Tile</u>	SDG No.:	<u>Q3810</u>
Contract:	<u>DALT01</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170887BS							
Arsenic	ug/L	4000	3800		95	80 - 120	P
Barium	ug/L	1000	918		92	80 - 120	P
Cadmium	ug/L	1000	924		92	80 - 120	P
Chromium	ug/L	2000	1940		97	80 - 120	P
Lead	ug/L	5000	4600		92	80 - 120	P
Selenium	ug/L	10000	9720		97	80 - 120	P
Silver	ug/L	380	355		93	80 - 120	P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

BP Dirt SampleL

Lab Name: Alliance **Contract:** DALT01
Lab Code: ACE **Lb No.:** lb138187 **Lab Sample ID :** Q3810-01L **SDG No.:** Q3810
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
Arsenic	100	U	500	U			P
Barium	397	J	449	J	13		P
Cadmium	5.43	J	150	U	100.0		P
Chromium	16.4	J	250	U	100.0		P
Lead	60.0	U	300	U			P
Mercury	0.95	J	10.0	U	100.0		CV
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB170871							
PB170857TB	PB170857TB	MB	WATER	12/09/2025	3.0	30.0	
PB170871BL	PB170871BL	MB	WATER	12/09/2025	30.0	30.0	
PB170871BS	PB170871BS	LCS	WATER	12/09/2025	30.0	30.0	
Q3810-01	BP Dirt Sample	SAM	WATER	12/09/2025	3.0	30.0	
Q3810-01DUP	BP Dirt SampleDUP	DUP	WATER	12/09/2025	3.0	30.0	
Q3810-01MS	BP Dirt SampleMS	MS	WATER	12/09/2025	3.0	30.0	
Q3810-01MSD	BP Dirt SampleMSD	MSD	WATER	12/09/2025	3.0	30.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client: Dal-Tile

SDG No.: Q3810

Contract: DALT01

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB170887							
PB170857TB	PB170857TB	MB	WATER	12/10/2025	5.0	25.0	
PB170887BL	PB170887BL	MB	WATER	12/10/2025	5.0	25.0	
PB170887BS	PB170887BS	LCS	WATER	12/10/2025	5.0	25.0	
Q3810-01	BP Dirt Sample	SAM	WATER	12/10/2025	5.0	25.0	
Q3810-01DUP	BP Dirt SampleDUP	DUP	WATER	12/10/2025	5.0	25.0	
Q3810-01MS	BP Dirt SampleMS	MS	WATER	12/10/2025	5.0	25.0	
Q3810-01MSD	BP Dirt SampleMSD	MSD	WATER	12/10/2025	5.0	25.0	

metals
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ANALYSIS RUN LOG

Client: Dal-Tile

Contract: DALT01

Lab code: ACE

Sdg no.: Q3810

Instrument id number: _____

Method: _____

Run number: LB138176

Start date: 12/10/2025

End date: 12/10/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0852	HG
S0.2	S0.2	1	0855	HG
S2.5	S2.5	1	0857	HG
S5	S5	1	0859	HG
S7.5	S7.5	1	0901	HG
S10	S10	1	0906	HG
ICV149	ICV149	1	0913	HG
ICB149	ICB149	1	0916	HG
CCV90	CCV90	1	0918	HG
CCB90	CCB90	1	0920	HG
CRA	CRA	1	0922	HG
PB170871BL	PB170871BL	1	0929	HG
PB170871BS	PB170871BS	1	0934	HG
CCV91	CCV91	1	0948	HG
CCB91	CCB91	1	0950	HG
CCV92	CCV92	1	1015	HG
CCB92	CCB92	1	1017	HG
Q3810-01	BP Dirt Sample	1	1026	HG
Q3810-01DUP	BP Dirt SampleDUP	1	1029	HG
Q3810-01MS	BP Dirt SampleMS	1	1031	HG
Q3810-01MSD	BP Dirt SampleMSD	1	1036	HG
PB170857TB	PB170857TB	1	1038	HG
Q3810-01L	BP Dirt SampleL	5	1041	HG
CCV93	CCV93	1	1045	HG
CCB93	CCB93	1	1047	HG

metals
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ANALYSIS RUN LOG

Client: Dal-Tile

Contract: DALT01

Lab code: ACE

Sdg no.: Q3810

Instrument id number: _____

Method: _____

Run number: LB138187

Start date: 12/10/2025

End date: 12/10/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1205	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1209	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1214	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1218	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1222	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1226	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1306	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1316	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1321	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1333	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1338	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1342	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1355	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1359	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1445	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1449	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1546	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1550	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1642	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1646	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1749	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1753	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1841	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1845	Ag,As,Ba,Cd,Cr,Pb,Se
Q3810-01	BP Dirt Sample	1	1911	Ag,As,Ba,Cd,Cr,Pb,Se
Q3810-01DUP	BP Dirt SampleDUP	1	1916	Ag,As,Ba,Cd,Cr,Pb,Se
Q3810-01L	BP Dirt SampleL	5	1920	Ag,As,Ba,Cd,Cr,Pb,Se
Q3810-01MS	BP Dirt SampleMS	1	1924	Ag,As,Ba,Cd,Cr,Pb,Se
Q3810-01MSD	BP Dirt SampleMSD	1	1928	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	1933	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	1937	Ag,As,Ba,Cd,Cr,Pb,Se
PB170857TB	PB170857TB	1	1955	Ag,As,Ba,Cd,Cr,Pb,Se
PB170887BL	PB170887BL	1	2004	Ag,As,Ba,Cd,Cr,Pb,Se
PB170887BS	PB170887BS	1	2008	Ag,As,Ba,Cd,Cr,Pb,Se
CCV08	CCV08	1	2021	Ag,As,Ba,Cd,Cr,Pb,Se
CCB08	CCB08	1	2025	Ag,As,Ba,Cd,Cr,Pb,Se