

RJ LeeGroup, Inc. | Columbia Basin Analytical Laboratories 2710 North 20th Avenue, Pasco WA 99301 Tel: (509) 545-4989 | Fax: (509) 544-6010

Fulcrum Environmental 406 N. 2nd St. Yakima, WA 98901

Subject: Chemical Analysis Report

Columbia Basin Analytical Laboratories received 42 sample(s) on 12/22/16 for analysis. These sample(s) have been assigned a login order number of W612123. Enclosed is the final report that consists of a summary report of the sample(s), and a copy of the chain of custody.

General Lab Comments

The results provided in this report relate only to the items tested. Sample(s) were received in acceptable conditions unless otherwise noted in the comments above. Sample(s) have not been field blank corrected unless otherwise noted in the general set comments above. The sample(s) were prepared in accordance with EPA 200.8 and analyzed in compliance with EPA 200.8. This test report shall not be reproduced, except in full, without written approval of Columbia Basin Analytical Laboratories. Any questions, please contact our office.

Sample W612123-15 reported for Lead at DF1, thereby lowering the PQL.

All samples were diluted 1:10. Samples that exceeded the instrument calibration range were rerun at a 1:100 dilution, necessitating a 10-fold increase in the PQL. Each is noted with an "X" qualifier.

Release of the data contained in the hard copy report has been authorized by the Laboratory Director or a designee as verified by the following signature. This report has been administratively reviewed by the following individual:

02/17/17 Date

Project Coordinator II, M. Fernanda Pincheira

If you have any questions please feel free to contact Fernanda Pincheira at MPincheira@rjleegroup.com.

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Laboratory Report

tal			COC No.: Samples Received: Analysis/Prep Date:	02/15/17						
			Report Date:	02/1//1/						
-	VIALFIX: FOLADIE WA	ter								
e	Method	Result (mg/L)	- c -							
	EPA 200.8	0.85	0.01	•						
	EPA 200.8	0.002	0.001							
-	Natrix: Polable wa	ter	er Date Received: Date Analyzed:							
е	Method	Result (mg/L)	PQL (mg/L)	Qualifiers						
	EPA 200.8	0.67	0.01							
	EPA 200.8	0.001	0.001							
		ter								
e	Method	Result (mg/L)	PQL (mg/L)	Qualifiers						
	EPA 200.8	0.44	0.01							
	EPA 200.8	0.001	0.001							
		ter								
e	Method	Result (mg/L)	PQL (mg/L)	Qualifiers						
	EPA 200.8	0.64	0.01	-						
	EPA 200.8	0.002	0.001							
		ter								
e	Method	Result (mg/L)	PQL (mg/L)	Qualifiers						
	EPA 200.8	0.52	0.01							
	EPA 200.8	0.002	0.001							
	AE122216 W612123- e AE122216 W612123- e AE122216 W612123- e AE122216 W612123- e AE122216	AE122216-P-KF-01 W612123-01 Matrix: Potable Wa e Method EPA 200.8 EPA 200.8 EPA 200.8 AE122216-P-KF-02 W612123-02 Matrix: Potable Wa a EPA 200.8 EPA 200.8 b	AE12221-P-KF-01 W612123-0_1 Matrix: Potable Watter e Method Result (mg/L) EPA 200.8 0.002 AE12221-P-KF-02 W612123-02 Matrix: Potable Watter 0.002 AE12221-P-KF-02 W612123-02 Matrix: Potable Watter Result (mg/L) e Method 0.67 AE12221-P-KF-03 W612123-03 Matrix: Potable Watter 0.67 AE12221-P-KF-03 W612123-03 Matrix: Potable Watter 0.001 AE12221-P-KF-04 W612123-03 Matrix: Potable Watter Result (mg/L) e Matrix: Potable Watter 0.001 AE12221-P-KF-04 W612123-04 Matrix: Potable Watter 0.64 EPA 200.8 0.64 0.64 AE12221-F-KF-05 W612123-05 Matrix: Potable Watter 0.64 EPA 200.8 0.64 0.64 EPA 200.8 0.64 0.64 Gali 2221-F-KF-05 Matrix: Potable Watter 0.64 Gali 2221-F-KF-05 Matrix: Potable Watter 0.64 EPA 200.8 0.64 0.64 Gali 2222-F-KF-05 Matrix: Potable Watter 0.64 Gali 22221-F-KF-05 Matrix: Potable Watter <t< td=""><td>Independence Matrix: Potable Water Samples Received: Analysis/Prep Date: Report Date: Report Date: Nater AE122216-P-KF-02 W612123-02 Matrix: Potable Water Date Receive Date Analyze e Method Result (mg/L) PQL (mg/L) AE122216-P-KF-02 W612123-02 Matrix: Potable Water Date Receive Date Analyze e Method Result (mg/L) PQL (mg/L) e Method Result (mg/L) PQL (mg/L) e Method Result (mg/L) PQL (mg/L) e Method Result (mg/L) PQL (mg/L) c Matrix: Potable Water Date Receive Date Analyze e Method Result (mg/L) PQL (mg/L) c Method<</td></t<>	Independence Matrix: Potable Water Samples Received: Analysis/Prep Date: Report Date: Report Date: Nater AE122216-P-KF-02 W612123-02 Matrix: Potable Water Date Receive Date Analyze e Method Result (mg/L) PQL (mg/L) AE122216-P-KF-02 W612123-02 Matrix: Potable Water Date Receive Date Analyze e Method Result (mg/L) PQL (mg/L) e Method Result (mg/L) PQL (mg/L) e Method Result (mg/L) PQL (mg/L) e Method Result (mg/L) PQL (mg/L) c Matrix: Potable Water Date Receive Date Analyze e Method Result (mg/L) PQL (mg/L) c Method<						

Sample Name: RJ Lee Grp. ID:	AE122216 W612123-	-P-DF/WC-06 Matrix: Potable Wa	ater	Date Received: Date Analyzed:	
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper		EPA 200.8	0.43	0.01	
Lead		EPA 200.8	< 0.0010	0.001	
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-	-P-CDF-07 Matrix: Potable Wa	ater	Date Received: Date Analyzed:	12/22/16 02/15/17
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper		EPA 200.8	0.32	0.01	
Lead		EPA 200.8	< 0.0010	0.001	
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-		Date Received: Date Analyzed:	12/22/16 02/15/17	
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper		EPA 200.8	0.54	0.01	
Lead		EPA 200.8	0.001	0.001	
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-		ater	Date Received: Date Analyzed:	12/22/16 02/15/17
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper		EPA 200.8	0.57	0.01	
Lead		EPA 200.8	0.001	0.001	
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-		ater	Date Received: Date Analyzed:	12/22/16 02/15/17
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper		EPA 200.8	0.21	0.01	
Lead		EPA 200.8	< 0.0010	0.001	
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-	Viairix: Foldule wa	ater	Date Received: Date Analyzed:	
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper		EPA 200.8	0.65	0.01	
Lead		EPA 200.8	0.006	0.001	

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Sample Name: RJ Lee Grp. ID:	AE122216 W612123-	VIALEX: POLADIE WA	Date Received: Date Analyzed:							
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers					
Copper		EPA 200.8	0.82	0.01						
Lead		EPA 200.8	0.006	0.001						
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-	-P-CDF-13 Matrix: Potable Wa	ter	Date Received: Date Analyzed:						
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers					
Copper		EPA 200.8	0.91	0.01						
Lead		EPA 200.8	< 0.0010	0.001						
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-	VIALFIX: FOLADLE WA	ter	Date Received: Date Analyzed:						
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers					
Copper		EPA 200.8	0.54	0.01						
Lead		EPA 200.8	0.011	0.001						
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-		ter	Date Received: Date Analyzed:						
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers					
Copper		EPA 200.8	0.56	0.01						
Lead		EPA 200.8	0.0060	0.0001						
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-	-P-CDF-16 Matrix: Potable Wa	ter	Date Received: Date Analyzed:						
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers					
Copper		EPA 200.8	0.73	0.73 0.01						
Lead		EPA 200.8	< 0.0010	0.001						
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-	-P-CDF-17 Matrix: Potable Wa	ter	Date Received: Date Analyzed:						
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers					
		n an								
Copper		EPA 200.8	0.97	0.01						

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Sample Name: RJ Lee Grp. ID:	AE122216- W612123-1	Vialrix: Polable wa	iter	Date Received: Date Analyzed:							
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers						
Copper		EPA 200.8	0.63	0.01							
Lead		EPA 200.8	0.006	0.001							
Sample Name: RJ Lee Grp. ID:	AE122216- W612123-1	P-DF/WC-19 Matrix: Potable Wa	ater	Date Received: Date Analyzed:							
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers						
Copper Lead		EPA 200.8 EPA 200.8	0.15 < 0.0010	0.01 0.001							
Sample Name: RJ Lee Grp. ID:	AE122216- W612123-2	Vialrix: Folable wa	ater	Date Received: 12/22/1 Date Analyzed: 02/15/1							
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers						
Copper Lead		EPA 200.8 EPA 200.8	0.69	0.01 0.001							
Sample Name: RJ Lee Grp. ID:	AE122216- W612123-2		ater	Date Received: Date Analyzed:							
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers						
Copper		EPA 200.8	0.78	0.01							
Lead		EPA 200.8	0.012	0.001							
Sample Name: RJ Lee Grp. ID:	AE122216- W612123-2		ater	Date Received: Date Analyzed:							
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers						
Copper	l	EPA 200.8	0.61	0.01							
Lead		EPA 200.8	0.011	0.001							
Sample Name: RJ Lee Grp. ID:	AE122216- W612123-2		nter	Date Received: Date Analyzed:							
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers						
Copper		EPA 200.8	0.55	0.01							

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Sample Name: RJ Lee Grp. ID:	AE122216 W612123-2	watrix: ru	otable Water	Date Received: Date Analyzed:	
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper		EPA 200.8	0.63	0.01	
Lead		EPA 200.8	0.002	0.001	
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-2		otable Water	Date Received: Date Analyzed:	
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper		EPA 200.8	0.65	0.01	
Lead		EPA 200.8	0.007	0.001	
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-2		otable Water	Date Received: Date Analyzed:	
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper Lead		EPA 200.8 EPA 200.8	0.55 0.006	0.01 0.001	
ample Name: RJ Lee Grp. ID:	AE122216 W612123-2	VIALUX: EC	otable Water	Date Received: Date Analyzed:	
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper		EPA 200.8	0.82	0.01	
Lead		EPA 200.8	< 0.0010	0.001	
ample Name: RJ Lee Grp. ID:	AE122216 W612123-2		otable Water	Date Received: Date Analyzed:	
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper		EPA 200.8	0.78	0.01	
Lead		EPA 200.8	0.011	0.001	
ample Name: RJ Lee Grp. ID:	AE122216 W612123-2		otable Water	Date Received: Date Analyzed:	
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
			0.60	0.01	
Copper		EPA 200.8	0.60	0.01	

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Sample Name: RJ Lee Grp. ID:	AE122216 W612123-	Vialrix: Folable wal	er	Date Received Date Analyzed						
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers					
Copper		EPA 200.8	0.80	0.01						
Lead		EPA 200.8	< 0.0010	0.001						
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-		er	Date Received Date Analyzed						
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers					
Copper		EPA 200.8	0.80	0.01						
Lead		EPA 200.8	< 0.0010	0.001						
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-		er	Date Received Date Analyzed						
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers					
Copper		EPA 200.8	0.73	0.01						
Lead		EPA 200.8	0.004	0.001						
ample Name: RJ Lee Grp. ID:	AE122216 W612123-		er	Date Received Date Analyzed						
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers					
Copper		EPA 200.8	0.83	0.01						
Lead		EPA 200.8	0.015	0.001						
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-		er	Date Received Date Analyzed						
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers					
Copper		EPA 200.8	0.73	0.01						
Lead		EPA 200.8	0.015	0.001						
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-	-P-CDF-35 Matrix: Potable Wat	er	Date Received: Date Analyzed:						
Analy	te	Method	Result (mg/L)	PQL (mg/L)	Qualifiers					
Copper		EPA 200.8	0.82	0.01						
copper										

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Sample Name: RJ Lee Grp. ID:	AE122216 W612123-		Potable Water		Date Received: Date Analyzed:	
Analy	te	Method		Result (mg/L)	PQL (mg/L)	Qualifiers
Copper		EPA 200.8		< 0.010	0.01	
Lead		EPA 200.8		< 0.0010	0.001	
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-		Potable Water		Date Received: Date Analyzed:	
Analy	te	Method		Result (mg/L)	PQL (mg/L)	Qualifiers
Copper		EPA 200.8		0.48	0.01	
Lead		EPA 200.8		0.008	0.001	
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-	-P-CDF-38 Matrix: 38	Potable Water		12/22/16 02/15/17	
Analy	te	Method		Result (mg/L)	PQL (mg/L)	Qualifiers
Copper		EPA 200.8		0.62	0.01	
Lead		EPA 200.8		< 0.0010	0.001	
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-		Potable Water		Date Received: Date Analyzed:	
Analy	te	Method		Result (mg/L)	PQL (mg/L)	Qualifiers
Copper		EPA 200.8		1.1	0.1	Х
Lead		EPA 200.8		0.028	0.001	
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-		Potable Water		Date Received: Date Analyzed:	
Analy	te	Method		Result (mg/L)	PQL (mg/L)	Qualifiers
Copper		EPA 200.8		1.6	0.1	Х
Lead		EPA 200.8		0.019	0.001	
Sample Name: RJ Lee Grp. ID:	AE122216 W612123-		Potable Water		Date Received: Date Analyzed:	
Analy	te	Method		Result (mg/L)	PQL (mg/L)	Qualifiers
Copper		EPA 200.8		< 0.010	0.01	
Lead		EPA 200.8		< 0.0010	0.001	

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•	22216-P-CDF-42 Matrix: Potable W 2123-42	Vater	Date Receive Date Analyze	
Analyte	Method	Result (mg/L)	PQL (mg/L)	Qualifiers
Copper	EPA 200.8	1.2	0.1	Х
Lead	EPA 200.8	0.014	0.001	

Report Qualifiers:

A = Target Analyte media breakthrough suspect, see analytical report

- D = Analyte analyzed in a dilution
- E = Report concentration was above the instrument calibration range
- J = Analyte detected below quantitation limits, concentration is estimated
- P = Library spectrum match, rsd >90% w RT match
- Q = Result out of method specific acceptance QC criteria
- S = Spike Recovery outside accepted recovery limits
- Z = Not ELAP accredited analyte
- ND = Not Detected

B = Analyte detected in the associated blank

- d = Data that exceeds the RSD criteria set by the SOP
- H = Holding times for preparation or analysis exceeded
- *L* = Sample condition at receipt out of compliance with method defined conditions
- R = RPD (relative percent difference) outside accepted recovery limits
- U = Analyte analyzed for but not detected
- N/A = Not Applicable

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These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of ninety (90) days before discarding. A shipping and handling fee will be assessed for the return of any samples. Unless otherwise noted, samples were received in an acceptable condition. This laboratory operates in accordance with ISO 17025 guidelines, and holds limited scopes of accreditation under ORELAP Lab Code 4061 AIHA-LAP, LLC Lab ID 178656 EPA ID WA01195 and WA DOE Lab ID C859. This report may not be used to claim product endorsement by any laboratory accrediting agency. The results contained in this report relate only to the items tested or to the sample(s) as received by the laboratory. Any reproduction of this document must be in full for the report to be valid. Quality control data is available upon request.

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Columbia Basin Analytical Laboratories

Washington

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Company Name:	Relinquished By (Print Name):	Relinquished By (Signature):	Company Name: J-wlcnum	Relinquished By (Print Name): Nathan	Relinquished By (Signature): Vachon	11-2-3-91 eetizit	AB122216-9-08-10	40132216-P-0F-69	164246-P-NF-08	AE 122216-P-COF-07	4 BIDDDIG - P-DF/WC -OL	413122167-17F-05	4E122216-P-172-04	4812216-P-KP-63	415132216-ア-六ア-62	AE 12246-2-15-01	Client Sample ID		Phone: (509) 574-0839	ate, Zip	Address: 406 Nor	Company: Fulcrum	Name: Lorrie Boutillier	Fax Results To:	Email Results To:	Call with Verbal Results:	Phone: (509) 574-0839	City, State, Zip:	Address: 406 Nor	Company: Fulcrum	Name: Amanda Enbysk, Ryan Mathews	Date Logged In:	Project No.:		
	it Name):	nature):	ulcrum	F	nature): Wathon Bostrom	Hallway - Class Fouret - AMIL	J-lounge Hot Water	T-longe forcet	Nunse Office		(SYN)	<				Kitchen fancet	Sample Description		'4-0839 Fax:	Yakima, WA, 98901	406 North 2nd Street	nvironmental	PL		aenbysk@efulcrum.net, CC: rmathews@efulcrum.net	lts:	'4-0839 Fax:	Yakima, WA, 98901	406 North 2nd Street	Fulcrum Environmental Consulting	rsk, Ryan Mathews		Client No:	RYAN MATHEWS	
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Request for Environmental and IH Laboratory Analytical Services

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W612123, Page 11 of 13

Report

Sample Only Multiple Sources #s:

Drinking

Water

DOH Source #: System ID #:

Address:

Company: Fulcrum Environmental Consulting Name: Amanda Enbysk, Ryan Mathews

406 North 2nd Street

ATTENTION TO:

RYAN MATHEWS

Lab Use Only

Project No.:

Client No:

Purchase Order No.:

Turnaround

Standard:

Yes

No

If 'No,' No. of Business Days:

Client Job No.:

Sample Purpose: Information X Regulatory
Accreditation (please list below):

Request

Logged In By:

Date Logged In:

Request for Environmental and IH Laboratory Analytical Services

No. Containers

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DELIVERING S **RJ LEE GROUP**

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509.545.4989 Phone 509.544.6010 Fax

724.325.1776 Phone

724.733.1799 Fax

Monroeville, PA 15146 350 Hochberg Road Pennsylvania - HQ

Pasco, WA 99301

2710 North 20th Avenue

Columbia Basin Analytical Laboratories Washington

Chain of Custody				Chain of Custody			AEIJ	AED	AEID	AGIDO	14 Elaan	AE122216	AEDad	ABIDDO	AEIDODI	14Eight	<u>C</u>		Special		ā		Cond Invoice					To	Results	0
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W612123, Page 12 of 13

ATTENTION TO:

RYAN MATHEWS

Purchase Order No.: Turnaround Request

Standard:

Yes

No

If 'No,' No. of Business Days:

Accreditation (please list below):

No. Containers

Client Job No.:

162017

Drinking Water

System ID #:

Sample Purpose: Information X Regulatory

Lab Use

Only

Date Logged In: Project No.:

Logged In By: Client No:

Company: Fulcrum Environmental Consulting Name: Amanda Enbysk, Ryan Mathews Request for Environmental and IH Laboratory Analytical Services

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DELIVERING SCIENTIFIC RESOLUTION **RJ LEE GROUP**

Pasco, WA 99301 509.545.4989 Phone 509.544.6010 Fax

724.325.1776 Phone 724.733.1799 Fax

Columbia Basin Analytical Laboratories 2710 North 20th Avenue Washington

Pennsylvania - HQ 350 Hochberg Road Monroeville, PA 15146

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ATTENTION TO:

RYAN MATHEWS

Purchase Order No.:

Client Job No.:

162017

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Request for Environmental and IH Laboratory Analytical Services