

Project
1188516

BND1-R

Brownsville Navigation Dist.
Ariel Chavez II
FHWWP
1000 Foust Rd.
Brownsville, TX 78521-

Printed 05/06/2026
7:57

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Email: Kilgore.ProjectManagement@spilabs.com

Survey: How are we doing?



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SAMPLE CROSS REFERENCE

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SLUDGE Digester Sludge 04/29

Sample	Sample ID	Taken	Time	Received
2512035	Digester Sludge	04/29/2026	14:10:00	04/30/2026

Bottle 01 Glass 8 oz w/Teflon lined lid, Q
Bottle 02 Prepared Bottle: TPXL/TPXS 40 mL Vial Extract (Batch 1231727) Volume: 10.00000 mL <== Derived from 01 (10.0 grams)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
TX Method 1005	02	1231727	05/01/2026	1231903	05/01/2026
SM2540 G-2020 /MOD	01	1232238	05/04/2026	1232238	05/04/2026

Email: Kilgore.ProjectManagement@spllabs.com

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RESULTS

Sample Results

2512035		Digester Sludge	Fishing Harbor WWTP		Received: 04/30/2026	
Solid & Chemical Materials		Collected by: Client	Brownsville Navigati		PO:	
		Taken: 04/29/2026	14:10:00			
SM2540 G-2020 /MOD		Prepared: 1232238	05/04/2026	17:15:00	Analyzed 1232238	05/04/2026 17:15:00 RC1
Parameter		Results	DF	Units	RL	Flags CAS Bottle
NELAC	Total Solids for Dry Wt Conversi	8.68	1.00	%	0.010	
TX Method 1005		Prepared: 1231727	05/01/2026	08:33:45	Analyzed 1231903	05/01/2026 13:01:00 AS5
Parameter		Results	DF	Units	RL	Flags CAS Bottle
NELAC	C12 to C28 TPH (DRO)	158000 *	1.00	mg/kg	577	E 02
NELAC	C28 to C36 TPH (ORO)	104000 *	1.00	mg/kg	692	E 02
NELAC	C6 to C12 TPH (GRO)	6340 *	1.00	mg/kg	462	(02
TX Method 1005		Prepared: 1231727	05/01/2026	08:33:45	Calculated 1231903	05/06/2026 07:30:49 CAL
Parameter		Results	DF	Units	RL	Flags CAS Bottle
NELAC	C06 to C36 TPH	268340 *	1.00	mg/kg	462	E 02
		* Dry Weight Basis				

Sample Preparation

2512035		Digester Sludge	Fishing Harbor WWTP		Received: 04/30/2026	
		04/29/2026				
		Prepared:	04/30/2026	16:04:24	Calculated	04/30/2026 16:04:24 CAL
z		Enviro Fee (per Sampling Group)	Verified			



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2512035	Digester Sludge	Fishing Harbor WWTP	Received:	04/30/2026
		04/29/2026		
Calculation		Prepared: 05/06/2026 07:29:01	Calculated	05/06/2026 07:29:01 CAL
As Received to Dry Weight Basis	Calculated			
SM 2540 G-1997		Prepared: 1232065 05/04/2026 17:15:00	Analyzed	1232065 05/04/2026 17:15:00 RC1
NELAC Total Solids Start Code	Started			
TX 1005 3		Prepared: 1231727 05/01/2026 08:33:45	Analyzed	1231727 05/01/2026 08:33:45 CE3
NELAC 1005 TPH Extraction Solid	10/9.98	grams		01
TX Method 1005		Prepared: 1231727 05/01/2026 08:33:45	Analyzed	1231903 05/01/2026 13:01:00 AS5
NELAC Texas1005 TPH C6-C36	Entered			02



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Qualifiers:

E - Estimated Value (- Sample from Bulk Container)

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation
z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. The report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. The following tests are performed in the Laboratory as soon as possible: Laboratory pH; Cl₂ Residual; Total (Lab) Titration; Cl₂ Residual, Free (Lab); Dissolved Oxygen, in Lab; and Sulfite, Lab. These results are not appropriate for compliance with NPDES, SDWA, or other regulatory programs that require analysis within 15 minutes of sample collection and should be considered for information purposes only. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.



Bill Peery, MS, Senior Director, Environmental Technology



QUALITY CONTROL



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Analytical Set 1232238

SM2540 G-2020 /MOD

ControlBlk						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Solids for Dry Wt Conversi	1232238	0.0001			grams	128932676
Duplicate						
Parameter	Sample	Result	Unknown		Unit	RPD
Total Solids for Dry Wt Conversi	2512018	11.4	11.4		%	0
Total Solids for Dry Wt Conversi	2512443	100	100		%	0

Analytical Set 1231903

TX Method 1005

Blank						
Parameter	PrepSet	Reading	MDL	MQL	Units	File
C12 to C28 TPH (DRO)	1231727	ND	21.3	50.0	mg/kg	128926015
C28 to C36 TPH (ORO)	1231727	ND	50.0	60.0	mg/kg	128926015
C6 to C12 TPH (GRO)	1231727	ND	25.9	40.0	mg/kg	128926015

CCV						
Parameter	Reading	Known	Units	Recover%	Limits%	File
C12 to C28 TPH (DRO)	456	500	mg/kg	91.2	70.0 - 130	128926014
C12 to C28 TPH (DRO)	394	500	mg/kg	78.8	70.0 - 130	128926025
C6 to C12 TPH (GRO)	411	500	mg/kg	82.2	70.0 - 130	128926014
C6 to C12 TPH (GRO)	354	500	mg/kg	70.8	70.0 - 130	128926025
C12 to C28 TPH (DRO)	465	500	mg/kg	93.0	70.0 - 130	128926024
C6 to C12 TPH (GRO)	450	500	mg/kg	90.0	70.0 - 130	128926024

LCS Dup										
Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
C12 to C28 TPH (DRO)	1231727	482	483	500	75.0 - 125	96.4	96.6	mg/kg	0.207	20.0
C6 to C12 TPH (GRO)	1231727	450	460	500	75.0 - 125	90.0	92.0	mg/kg	2.20	20.0

MSD										
Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD
C12 to C28 TPH (DRO)	2511937	495	385	29.0	498	75.0 - 125	94.1	71.9 *	mg/kg	26.8 *
C6 to C12 TPH (GRO)	2511937	394	306	ND	498	75.0 - 125	79.6	61.8 *	mg/kg	25.1 *

Surrogate										
Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File		
1-Chlorooctane (Surrogate)		CCV	212	250	mg/kg	84.8	50.0 - 150	128926014		
1-Chlorooctane (Surrogate)		CCV	177	250	mg/kg	70.8	50.0 - 150	128926025		
oTerphenyl (Surrogate)		CCV	203	250	mg/kg	81.2	50.0 - 150	128926014		
oTerphenyl (Surrogate)		CCV	190	250	mg/kg	76.0	50.0 - 150	128926025		
1-Chlorooctane (Surrogate)	1231727	Blank	203	250	mg/kg	81.2	50.0 - 150	128926015		
1-Chlorooctane (Surrogate)	1231727	LCS	211	250	mg/kg	84.4	50.0 - 150	128926016		
1-Chlorooctane (Surrogate)	1231727	LCS Dup	217	250	mg/kg	86.8	50.0 - 150	128926017		
1-Chlorooctane (Surrogate)	1231727	CCV	205	250	mg/kg	82.0	50.0 - 150	128926024		
oTerphenyl (Surrogate)	1231727	Blank	224	250	mg/kg	89.6	50.0 - 150	128926015		
oTerphenyl (Surrogate)	1231727	LCS	227	250	mg/kg	90.8	50.0 - 150	128926016		

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<u>Parameter</u>	Surrogate							
	<i>Sample</i>	<i>Type</i>	<i>Reading</i>	<i>Known</i>	<i>Units</i>	<i>Recover%</i>	<i>Limits%</i>	<i>File</i>
oTerphenyl (Surrogate)	1231727	LCS Dup	234	250	mg/kg	93.6	50.0 - 150	128926017
oTerphenyl (Surrogate)	1231727	CCV	225	250	mg/kg	90.0	50.0 - 150	128926024
1-Chlorooctane (Surrogate)	2511937	MS	222	247	mg/kg	89.9	50.0 - 150	128926019
1-Chlorooctane (Surrogate)	2511937	MSD	164	249	mg/kg	65.9	50.0 - 150	128926020
oTerphenyl (Surrogate)	2511937	MS	242	247	mg/kg	98.0	50.0 - 150	128926019
oTerphenyl (Surrogate)	2511937	MSD	184	249	mg/kg	73.9	50.0 - 150	128926020
1-Chlorooctane (Surrogate)	2512035	Unknown	168	251	mg/kg	66.9	50.0 - 150	128926022
oTerphenyl (Surrogate)	2512035	Unknown	1140	251	mg/kg	454 *	50.0 - 150	128926022

* Out RPD is Relative Percent Difference: $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent: $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); Surrogate - Surrogate (mimics the analyte of interest but is unlikely to be found in environmental samples; added to analytical samples for QC purposes. **ANSI/ASQC E4 1994 Ref #4 TRADE QA Resources Guide.)

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1188516 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662
 R: PO Box 842013 Dallas, TX 75284-2013
 Office: 903-984-0551 * Fax: 903-984-5914

PAID FEES 0.00
 SUB: _____
 ALL CLIENTS ON SINGLE
 PROJECT? YES NO



The Science of Sure

CHAIN OF CUSTODY

Brownsville Navigation Dist.
 Ariel Chavez II
 FHWPP
 1000 Foust Rd.
 Brownsville, TX 78521-

BND1-R
166

Lab Number

PO Number

Phone

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956/831-4155

Digester Sludge
☐ Hand Delivered by Client to Region or LAB

Fishing Harbor WWTP

Matrix: Solid & Chemical Materials

Sample Collection Start

Date: 4-29-26 Time: 1410

Sampler Printed Name: R. Rodriguez

Sampler Affiliation: BND

Sampler Signature:

Samples Radioactive? ☐Samples Contains Dioxin? ☐Samples Biological Hazard? ☐

1 Glass 4 oz w/Teflon lined lid, Q

NELAC

ITPH

Texas1005 TPH C6-C36

TX Method 1005 (7.00 days)

NELAC

TS%

Total Solids for Dry Wt Conversion

SM2540 G-2020 /MOD

0 Z -- No bottle required

ARDW

As Received to Dry Weight Basis

Calculation

Ambient Conditions/Comments

Date/Time	Relinquished	Date/Time	Received
4/29/26 14:55	Printed Name: R. Rodriguez Signature: Affiliation: BND	4/29/26 14:55	Printed Name: Signature: Affiliation: SPL
4/29/26 14:55	Printed Name: Signature: Affiliation: SPL	4/29/26 14:55	Printed Name: Signature: Affiliation: TPX
4/30/26 12:45	Printed Name: Signature: Affiliation: TPX	4/30/26 12:45	Printed Name: Kiersten Fossum - SPL, Inc. Signature: Affiliation: SPL, Inc.
	Printed Name: _____ Signature: _____ Affiliation: _____		Printed Name: _____ Signature: _____ Affiliation: _____



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521

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2600 Dudley Rd. Kilgore, Texas 75662
R: PO Box 842013 Dallas, TX 75284-2013
Office: 903-984-0551 * Fax: 903-984-5914



SPL
The Science of Sure

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CHAIN OF CUSTODY

Brownsville Navigation Dist.
Ariel Chavez II
FHWWP
1000 Foust Rd.
Brownsville, TX 78521-

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166

Phone

956/831-4155

Sample Received on Ice?

☒ Yes ☐ No
☒ Yes ☐ No

Cooler/Sample Secure?

If Shipped: Tracking Number & Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAP, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <<http://www.ana-lab.com>>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments



RGV Region: 2401 Village Dr. Suite C Brownsville TX 78521



COOLER CHECKIN

Region/Driver/Client

RAV

Date / Time:

4/30/26 / 1245

Cooler:

of

Shipping Company:

TRX

Temp Label:

4/30/26 1223 KR		
Date	Time	Tech
Temp: 0.7	0.7	C
Therm#: 7737 Corr Fact: 0.2 C		