BROWNSVILLE
PUBLIC UTILITIES BOARD

Date: August 5, 2025
To: All Vendors
Subject: Addendum #1

REFERENCE: **B077-25 Water Treatment Residuals Removal & Disposal for Water Treatment Plant No. 1-Sludge Pond Lagoon**

This Addendum forms part of the contract and clarifies, corrects or modifies original bid document.

Question 1: Is there an as-built drawing of the lagoon available?

Answer 1: Yes, see attached drawing.

Question 2: Could you provide a copy of the previous sludge lab testing.

Answer 2: Attached is the previous lab report.

Question 3: Could you also confirm that the 4000 CY in the bid form is the estimated physical amount to be transported to the landfill after dredging/dewatering or that the 4000 CY is the volume of sludge in the lagoon prior to being dredged/dewatered.

Answer 3: The figure of 4,000 cubic yards was arrived at based on historical totals BPUB kept based on the weight tickets the landfill issued to the drivers bringing the sludge. This is just a rough estimate of what to expect.

Question 4: Can an overview of the lagoon be provided with a depiction of area for staging of equipment.

Answer 4: See attached drawing and the attached Google Earth photo.

Question 5: Will the term of this contract be based for 1 year but based solely on the premises of 1 mobilization and 1 demobilization to remove 4000 CY / 340 truckloads?

Answer 5: Yes, bid is based on one mobilization and demobilization.

Question 6: The bid unit of measure for all 3 bid items is either 4000 CY or 340 truckloads? Are we supposed to provide two separate unit prices for each unit of measure?

Answer 6: Base the bid unit price on the 4000 CY. No need for both.

Question 7: Can Brownsville PUB provide the full current TCLP analysis?

Answer 7: Yes, the report from SPL is attached. The TCLP results are notated within the report starting on page 3 of 30.

The signature of the company agent, for the acknowledgement of this addendum, shall be required. **Complete information below and return via e-mail to: dsolitaire@brownsville-pub.com.**

I hereby acknowledge receipt of this addendum.

Company: _____

Agent Name: _____

Agent Signature: _____

Address: _____

City: _____ **State:**_____ **Zip:**_____

Phone Number: _____ **E-mail address:**_____

If you have any further questions about the Bid, call 956-983-6366.

BY: *Diane Solitaire*
Purchasing

North

FUTURE 15' LEVEE ROAD AT ELEV. 45.0

FUTURE 15' LEVEE ROAD AT ELEV. 46.0

EX. FENCE

FUTURE RESERVOIR

FUTURE WETLAND

FUTURE RESERVOIR

FILL MAY BE TAKEN FROM THIS AREA
DO NOT EXCAVATE
BELOW FUTURE RESERVOIR GRADE

FL SWALE 37.50

PROP. OUTLET GATEWELL

PROPOSED FENCE

3:1 SLOPE

PROP. RAMP

PROP. 15' WIDE LEVEE EL. 46.00 W/ 12' WIDE CALICHE RD.

PROPOSED SLUDGE LAGOON

PROP. 15' x 30 CONCRETE PAVING

PROP. DRAIN SUMP

PROPOSED SLUDGE LAGOON

PROP. 15' WIDE LEVEE EL. 46.00 W/ 12' WIDE CALICHE RD.

FL SWALE EL. 37.0

PROPOSED 15' WIDE LEVEE AT 46.00 WITH 12' WIDE CALICHE RD.

PROPOSED 10' OF SILT FENCE

INSTALL 16' x 18" RCP CULVERT FL 35.50

5' FL SWALE 36.0

FL SWALE 36.50

PROPOSED SWALE

PROPOSED FENCE

EAST BAR ROAD TRAILS

PROP. FENCE

EX. FENCE

EX. P/P

EXIST. FENCE

EX. P/P

EX. FENCE

A 4 5

B 4 5

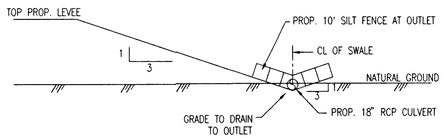
C 4 5

D 4 5

E 4 5

GRADING PLAN LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED FUTURE CONTOURS
- PROPOSED CALICHE
- PROPOSED SWALE
- PROPOSED FENCE
- EXISTING FENCE



SWALE DETAIL

SCALE: 1" = 10'-0"

GRADING PLAN

SCALE: 1" - 60'- 0"

REVISION OR ISSUE			REVISION OR ISSUE		
NO.	DATE	SUBJECT	NO.	DATE	SUBJECT

NRS CONSULTING ENGINEERS
1222 E. TYLER, SUITE C
HARLINGEN, TEXAS 78550
(210) 423-7409

STATE OF TEXAS
FRANK A. FERRIS
70724
REGISTERED PROFESSIONAL ENGINEER
SEAL

5-2-97

PUBLIC UTILITIES BOARD
BROWNSVILLE, TEXAS

PROPOSED SLUDGE LAGOONS

TITLE: GRADING PLAN

SCALE: AS SHOWN	DATE: MAY 1997
DESIGNED BY: F.A.F.	
DRAWN BY: A.R.J.	
CHECKED BY: J.W.N.	
APPROVED BY: F.A.F.	
PROJECT NO.: BR9701	

4
13

DATE PLOTTED: MAY 02, 1997

DRAWING NAME: C:\JOBS\BR9701\SHEET5.DWG


West Drying Lagoon
East Drying Lagoon
Staging Area
Power Plant Dr
Power Plant Dr
Rio Vista
Image © 2025 Airbus
25°54'57.12" N 97°31'20.09" W

City of Brownsville
Type I - Municipal Solid Waste Landfill
9000 FM 802
Brownsville, TX 78521

TEL: 956-831-6421
FAX: 956-831-3228

Landfill Use Only

Wastestream # _____
Approved: _____
Date: _____
Expiration: _____

WASTE PROFILE FORM

I. Generator Information

EPA Generator ID# _____
Generator Name: Brownsville Public Utilities Board (BPUB)
Mailing Address: P.O. Box 3270
City: Brownsville State/Zip: Texas/78526
Technical Contact Name: Jose E. Lechuga
Phone: (956) 983-6518
Fax: (956) 574-6114

II. Generating Facility Information

Facility Name: PUB Water Treatment Plant #1
State Generator #: _____
Street Address: 94 W. 13th Street
City: Brownsville State/Zip: Texas/78526
Facility Contact Name: Daniel Tamez
Phone: (956) 983-6471
Fax: (956) 574-6114

III. Wastestream Description

Wastestream Name: Water Treatment Plant #1 - Sludge
Texas Waste Code #: _____
Describe Process Generation of Waste: (Be Specific)
Sediment/sludge waste generated from water treatment and filtration processes.

Describe Appearance:
Solid and Dry

Describe Odor: _____
Color: _____ Density: _____ lbs./yd³

Is the waste a solid as per the paint filter liquids test, method 9095.

⊙Yes ○No

IV. Waste Composition

Total Metals Analysis (required)

Arsenic	(As)	<0.250 mg/L	mg/kg
Barium	(Ba)	0.353 mg/L	mg/kg
Cadmium	(Cd)	<0.125 mg/L	mg/kg
Chromium	(Cr)	<0.250 mg/L	mg/kg
Lead	(Pb)	<0.250 mg/L	mg/kg
Mercury	(Hg)	<0.002 mg/L	mg/kg
Selenium	(Se)	<0.250 mg/L	mg/kg
Zinc	(Zn)	N/A	mg/kg
Silver	(Ag)	<0.050 mg/L	mg/kg
TPH		<47.1	mg/kg
BTEX		<0.1180	mg/kg

PH Range to *(solids, PH of equivalent weight mixed with ASTM Type II Laboratory distilled or deionized water.)*

Components

(Account for 100%, attach lab analysis and//or MSDS, if available)

Component	*Average%*	*Range*
		to
		to
		to
		to

I have completed a Haz. Waste, Class 1 & 2 determination for this waste.
Attachments:
⊙Yes ○No

V. Shipping Data

Shipping Method (drums, bulk, other): Bulk
Estimated Quantity (yd³ or no. of containers):
_____ One-time _____ Per qty. _____ Per year

Special Handling Instructions:

VI. CERTIFICATION

I, certify and warrant that the above wastestream identification for the materials offered for disposal as appears on this form and contained on any attachments, or supplements, is true and correct. My certification is based on personal examination of the information submitted, or is based upon my inquiries of those individuals reponsible for obtaining the information. I further certify and warrant that the identification is a result of analysis of a representative sample obtained and analyzed in accordance with testing procedures specified by the Texas Commission on Environmental Quality (TCEQ) or by applying knowledge of the process generating the specific waste being offered for disposal. I am an employee of the generator and am empowered to sign this form.

Generator's Signature: _____ **Title:** Lead Env. Compliance Specialist **Date:** 11/26/2024

rev 02/06

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914

SPL
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Project
1124861

PUBC-R

Public Utilities Board
Jose A Garza
W.T.P. Plant #1
P.O. Box 3270
Brownsville, TX 78523-

Printed 11/22/2024
15:24

TABLE OF CONTENTS

This report consists of this Table of Contents and the following pages:

Email: Kilgore.ProjectManagement@spllabs.com

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914

SAMPLE CROSS REFERENCE

Project
1124861

Public Utilities Board
Jose A Garza
W.T.P. Plant #1
P.O. Box 3270
Brownsville, TX 78523-

Sample	Sample ID	Taken	Time	Received
2353307	*WTP # 1/ Sludge*	11/08/2024	09:30:00	11/09/2024

Bottle 01 Glass Qt w/Teflon lined lid
Bottle 02 Glass Qt w/Teflon lined lid
Bottle 03 Glass 4 oz w/Teflon lined lid
Bottle 04 Prepared Bottle: 40 mL Vial Extract (Batch 1147179) Volume: 10.00000 mL <== Derived from 03 (10.0 grams)
Bottle 05 Prepared Bottle: 40 mL Vial Extract (Batch 1147179) Volume: 10.00000 mL <== Derived from 03 (10 grams)
Bottle 06 Prepared Bottle: 40 mL Vial Extract (Batch 1147179) Volume: 10.00000 mL <== Derived from 03 (10 grams)
Bottle 07 Prepared Bottle: TCLP Extract for TVOA (Batch 1147256)<== Derived from 01 (0 ml)
Bottle 08 Prepared Bottle: TEDLAR BAG (Batch 1147256) Volume: 300.00000 mL <== Derived from 01 (300 ml)
Bottle 09 Prepared Bottle: TCLP Extract (Batch 1147255) Volume: 2000.00000 mL <== Derived from 01 (100 ml)
Bottle 10 Prepared Bottle: TCLP Extract for Metals (Batch 1147255) Volume: 100.00000 mL <== Derived from 01 (300 ml)
Bottle 11 Prepared Bottle: TCLP Extract for TABN/TCYH (Batch 1147255) Volume: 2000.00000 mL <== Derived from 01 (100 ml)
Bottle 12 Prepared Bottle: TCLP Acid Mercury Digestion (Batch 1147336) Volume: 50.00000 mL <== Derived from 10 (2.5 ml)
Bottle 13 Prepared Bottle: TCLP Acid Mercury Digestion (Batch 1147336) Volume: 50.00000 mL <== Derived from 10 (2.5 ml)
Bottle 14 Prepared Bottle: TCLP Acid Mercury Digestion (Batch 1147336) Volume: 50.00000 mL <== Derived from 10 (2.5 ml)
Bottle 15 Prepared Bottle: TCLP Acid Digestion (Batch 1147416) Volume: 50.00000 mL <== Derived from 10 (10 ml)
Bottle 16 Prepared Bottle: TG80 2 mL Autosampler Vial (Batch 1147608) Volume: 10.00000 mL <== Derived from 11 (200 ml)
Bottle 17 Prepared Bottle: 2 mL Autosampler Vial (Batch 1147750) Volume: 1.00000 mL <== Derived from 11 (100 ml)
Bottle 18 Prepared Bottle: 2 mL Autosampler Vial (Batch 1147750) Volume: 1.00000 mL <== Derived from 11 (100 ml)
Bottle 19 Prepared Bottle: 2 mL Autosampler Vial (Batch 1147882) Volume: 10.00000 mL <== Derived from 11 (1 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
TX Method 1005	04	1147179	11/11/2024	1148218	11/15/2024
EPA 8260B	03	1147288	11/11/2024	1147288	11/11/2024
EPA 6010C	15	1147416	11/12/2024	1147722	11/13/2024
EPA 7470 A	12	1147336	11/12/2024	1147862	11/13/2024
EPA 6010C	15	1147416	11/12/2024	1148388	11/18/2024
EPA 9095B	01	1147247	11/11/2024	1147247	11/11/2024
EPA 8260B	08	1147256	11/11/2024	1147716	11/13/2024
EPA 8081A	16	1147608	11/13/2024	1148506	11/16/2024
EPA 8270C	17	1147750	11/13/2024	1148775	11/18/2024
EPA 8151	19	1147882	11/14/2024	1148344	11/16/2024
SM2540 G-1997 /MOD	01	1147059	11/09/2024	1147059	11/09/2024

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Project
1124861

Printed: 11/22/2024

RESULTS

Sample Results

2353307 **WTP # 1/ Sludge** Composite Sample Received: 11/09/2024

Solid & Chemical Materials Collected by: RDL SPL Kilgore PO: P2302002

Taken: 11/08/2024 09:30:00

Composite sample prepared by mixing 10 simple samples collected at different points. JMZ

EPA 6010C Prepared: 1147416 11/12/2024 12:30:00 Analyzed 1147722 11/13/2024 14:34:00 RD1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	TCLP Arsenic	<0.250	mg/L	0.250		7440-38-2	15
NELAC	TCLP Barium	0.353	mg/L	0.250		7440-39-3	15
NELAC	TCLP Cadmium	<0.125	mg/L	0.125		7440-43-9	15
NELAC	TCLP Chromium	<0.250	mg/L	0.250		7440-47-3	15
NELAC	TCLP Selenium	<0.250	mg/L	0.250		7782-49-2	15
NELAC	TCLP Silver	<0.050	mg/L	0.050		7440-22-4	15

EPA 6010C Prepared: 1147416 11/12/2024 12:30:00 Analyzed 1148388 11/18/2024 14:24:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	TCLP Lead	<0.250	mg/L	0.250		7439-92-1	15

EPA 7470 A Prepared: 1147336 11/12/2024 10:30:00 Analyzed 1147862 11/13/2024 14:46:00 RD1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	TCLP Mercury	<0.002	mg/L	0.002		7439-97-6	12

EPA 8081A Prepared: 1147608 11/13/2024 14:30:00 Analyzed 1148506 11/16/2024 07:34:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	TCLP Chlordane	<0.001	mg/L	0.001		57-74-9	16
NELAC	TCLP Endrin	<0.00005	mg/L	0.00005		72-20-8	16
NELAC	TCLP gamma-BHC (Lindane)	<0.00005	mg/L	0.00005		58-89-9	16
NELAC	TCLP Heptachlor	<0.00005	mg/L	0.00005		76-44-8	16
NELAC	TCLP Heptachlor Epoxide	<0.00005	mg/L	0.00005		1024-57-3	16
NELAC	TCLP Methoxychlor	<0.00005	mg/L	0.00005		72-43-5	16
NELAC	TCLP Toxaphene	<0.001	mg/L	0.001		8001-35-2	16

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W.T.P. Plant #1
P.O. Box 3270
Brownsville, TX 78523-

Project 1124861

Printed: 11/22/2024

2353307 **WTP # 1/ Sludge** Composite Sample Received: 11/09/2024

Solid & Chemical Materials Collected by: RDL SPL Kilgore PO: P2302002

Taken: 11/08/2024 09:30:00

Composite sample prepared by mixing 10 simple samples collected at different points. JMZ

EPA 8151 Prepared: 1147882 11/14/2024 15:00:00 Analyzed 1148344 11/16/2024 03:30:00 KAP

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	TCLP 2,4 D	<0.500	mg/L	0.500		94-75-7	19
NELAC	TCLP 2,4,5-TP (Silvex)	<0.300	mg/L	0.300		93-72-1	19

EPA 8260B Prepared: 1147256 11/11/2024 15:10:00 Analyzed 1147716 11/13/2024 13:11:00 MR1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	TCLP 1,1-Dichloroethene	<0.010	mg/L	0.010		75-35-4	08
NELAC	TCLP 1,2-Dichloroethane	<0.010	mg/L	0.010		107-06-2	08
NELAC	TCLP 1,4 Dichlorobenzene	<0.010	mg/L	0.010	S	106-46-7	08
NELAC	TCLP Benzene	<0.010	mg/L	0.010		71-43-2	08
NELAC	TCLP Carbon tetrachloride	<0.010	mg/L	0.010		56-23-5	08
NELAC	TCLP Chlorobenzene	<0.010	mg/L	0.010		108-90-7	08
NELAC	TCLP Chloroform	<0.010	mg/L	0.010		67-66-3	08
NELAC	TCLP MEK	<0.010	mg/L	0.010		78-93-3	08
NELAC	TCLP Tetrachloroethylene	<0.010	mg/L	0.010		127-18-4	08
NELAC	TCLP Trichloroethylene	<0.010	mg/L	0.010		79-01-6	08
NELAC	TCLP Vinyl chloride	<0.010	mg/L	0.010		75-01-4	08

EPA 8260B Prepared: 1147288 11/11/2024 16:47:00 Analyzed 1147288 11/11/2024 16:47:00 MR1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Benzene	<0.0110 *	mg/kg	0.0110	(	71-43-2	03
NELAC	Ethylbenzene	<0.0588 *	mg/kg	0.0588	(	100-41-4	03
NELAC	m- and p-Xylene	<0.1180 *	mg/kg	0.1180	(	ARC-mpXyl	03
NELAC	o-Xylene	<0.0588 *	mg/kg	0.0588	(	95-47-6	03
NELAC	Toluene	<0.0588 *	mg/kg	0.0588	(	108-88-3	03

EPA 8260B Prepared: 1147288 11/12/2024 12:36:36 Calculated 1147288 11/12/2024 12:36:36 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Xylenes, Total	<0.1180 *	mg/kg	0.1180	E	1330-20-7	03

* Dry Weight Basis

EPA 8270C Prepared: 1147750 11/13/2024 15:30:00 Analyzed 1148775 11/18/2024 20:44:00 PM1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	TCLP 2,4,5-Trichlorophenol	<0.010	mg/L	0.010		95-95-4	17

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2353307 **WTP # 1/ Sludge** Composite Sample Received: 11/09/2024

Solid & Chemical Materials Collected by: RDL SPL Kilgore PO: P2302002

Taken: 11/08/2024 09:30:00

Composite sample prepared by mixing 10 simple samples collected at different points. JMZ

EPA 8270C Prepared: 1147750 11/13/2024 15:30:00 Analyzed 1148775 11/18/2024 20:44:00 PM1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	TCLP 2,4,6-Trichlorophenol	<0.010	mg/L	0.010		88-06-2	17
NELAC	TCLP 2,4-Dinitrotoluene	<0.035	mg/L	0.035		121-14-2	17
NELAC	TCLP 2-Methylphenol (o-Cresol)	<0.052	mg/L	0.052		95-48-7	17
NELAC	TCLP 3&4-Methylphenol (m&p-Creso	<0.062	mg/L	0.062		108-39-4	17
NELAC	TCLP Hexachlorobenzene	<0.010	mg/L	0.010		118-74-1	17
NELAC	TCLP Hexachlorobutadiene	<0.010	mg/L	0.010		87-68-3	17
NELAC	TCLP Hexachloroethane	<0.010	mg/L	0.010		67-72-1	17
NELAC	TCLP Nitrobenzene	<0.010	mg/L	0.010		98-95-3	17
NELAC	TCLP Pentachlorophenol	<0.010	mg/L	0.010		87-86-5	17
NELAC	TCLP Pyridine (Reg. Limit 5)	<0.054	mg/L	0.054		110-86-1	17

EPA 8270C Prepared: 1147750 11/13/2024 15:30:00 Calculated 1148775 11/21/2024 14:54:26 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	TCLP Total Cresols (Reg Lim 200)	<0.062	mg/L	0.062		108-39-4,ect.	17

EPA 9095B Prepared: 1147247 11/11/2024 08:15:00 Analyzed 1147247 11/11/2024 08:15:00 KN1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Paint Filter Test	PASS					01

SM2540 G-1997 /MOD Prepared: 1147059 11/09/2024 13:52:00 Analyzed 1147059 11/09/2024 13:52:00 BEK

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Total Solids for Dry Wt Conversi	85.0	%	0.010			01

TX Method 1005 Prepared: 1147179 11/11/2024 13:46:54 Analyzed 1148218 11/15/2024 11:08:00 KLB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	C12 to C28 TPH (DRO)	<47.1 *	mg/kg	47.1	P		04
NELAC	C28 to C36 TPH (ORO)	<47.1 *	mg/kg	47.1			04
NELAC	C6 to C12 TPH (GRO)	<47.1 *	mg/kg	47.1	PD		04

TX Method 1005 Prepared: 1147179 11/11/2024 13:46:54 Calculated 1148218 11/18/2024 10:48:32 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	C06 to C36 TPH	<47.1 *	mg/kg	47.1	E		04

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Printed: 11/22/2024

2353307 **WTP # 1/ Sludge** Composite Sample Received: 11/09/2024

Solid & Chemical Materials Collected by: RDL SPL Kilgore PO: P2302002

Taken: 11/08/2024 09:30:00

Composite sample prepared by mixing 10 simple samples collected at different points. JMZ

* Dry Weight Basis

Sample Preparation

2353307 **WTP # 1/ Sludge** Composite Sample Received: 11/09/2024

P2302002

11/08/2024

			Prepared:		11/14/2024	09:31:36	Calculated	11/14/2024	09:31:36 CAL
z	**Environmental Fee (per Project)**	**Verified**							
	Calculation		Prepared:		11/22/2024	13:31:13	Calculated	11/22/2024	13:31:13 CAL
	As Received to Dry Weight Basis	**Calculated**							
	EPA 1311		Prepared:	1147255	11/11/2024	15:10:00	Analyzed	1147255	11/11/2024 15:10:00 KN1
NELAC	**TCLP Extraction Non-Volatile**	**SOLID EXT 1**	**ml**						01
	EPA 1311ZHE		Prepared:	1147256	11/11/2024	15:10:00	Analyzed	1147256	11/11/2024 15:10:00 KN1
NELAC	**TCLP Extraction ZHE Volatiles**	**100% SOLID**	**ml**						01
	EPA 3005A		Prepared:	1147255	11/11/2024	15:10:00	Analyzed	1147416	11/12/2024 12:30:00 TES
z	**Metals Digestion TCLP Extract**	**50/10**	**ml**						10
	EPA 3510C		Prepared:	1147255	11/11/2024	15:10:00	Analyzed	1147608	11/13/2024 14:30:00 MCC

2600 Dudley Rd. Kilgore, Texas 75662
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Office: 903-984-0551 * Fax: 903-984-5914

SPL The Science of Sure

PUBC-R

Public Utilities Board
Jose A Garza
W.T.P. Plant #1
P.O. Box 3270
Brownsville, TX 78523-

Project
1124861

Printed: 11/22/2024

2353307 **WTP # 1/ Sludge** Composite Sample *Received:* 11/09/2024

P2302002

11/08/2024

EPA 3510C		*Prepared:*	*1147255*	*11/11/2024*	*15:10:00*	*Analyzed*	*1147608*	*11/13/2024*	*14:30:00*	*MCC*
	TCLP Liq-Liq Extr. W/Hex Exch.	**10/200**	**ml**							11
EPA 3510C		*Prepared:*	*1147255*	*11/11/2024*	*15:10:00*	*Analyzed*	*1147750*	*11/13/2024*	*15:30:00*	*LSM*
	TCLP Liquid-Liquid Extract	**1/100**	**ml**							11
EPA 5035		*Prepared:*	*1147111*	*11/11/2024*	*09:00:00*	*Analyzed*	*1147111*	*11/11/2024*	*09:00:00*	*CCH*
NELAC	**VOC 5035 High Level Extraction**	**DONE**	**grams**							03
EPA 7470A		*Prepared:*	*1147255*	*11/11/2024*	*15:10:00*	*Analyzed*	*1147336*	*11/12/2024*	*10:30:00*	*ALB*
NELAC	**Metals Digestion TCLP 7470**	**50/2.5**	**ml**							10
EPA 8081A		*Prepared:*	*1147608*	*11/13/2024*	*14:30:00*	*Analyzed*	*1148506*	*11/16/2024*	*07:34:00*	*KAP*
NELAC	**GC TCLP Pesticide**	**Entered**								16
EPA 8151		*Prepared:*	*1147882*	*11/14/2024*	*15:00:00*	*Analyzed*	*1148344*	*11/16/2024*	*03:30:00*	*KAP*
NELAC	**GC TCLP Herbicide**	**Entered**								19
EPA 8151A (Prep)		*Prepared:*	*1147255*	*11/11/2024*	*15:10:00*	*Analyzed*	*1147882*	*11/14/2024*	*15:00:00*	*LSM*
NELAC	**Esterification of TCLP Extract**	**10/1**	**ml**							11
EPA 8260B		*Prepared:*	*1147256*	*11/11/2024*	*15:10:00*	*Analyzed*	*1147716*	*11/13/2024*	*13:11:00*	*MR1*

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11/08/2024

	EPA 8260B	*Prepared:*	*1147256*	*11/11/2024*	*15:10:00*	*Analyzed*	*1147716*	*11/13/2024*	*13:11:00*	*MR1*
NELAC	**MS TCLP Volatile Analysis**	**Entered**								08
	EPA 8260B	*Prepared:*	*1147288*	*11/11/2024*	*16:47:00*	*Analyzed*	*1147288*	*11/11/2024*	*16:47:00*	*MR1*
NELAC	**BTEX Solid Samples by GC/MS**	**Entered**				(				03
	EPA 8270C	*Prepared:*	*1147750*	*11/13/2024*	*15:30:00*	*Analyzed*	*1148775*	*11/18/2024*	*20:44:00*	*PM1*
NELAC	**MS TCLP Semivolatile Analysis**	**Entered**								17
	SM 2540 G-1997	*Prepared:*	*1147058*	*11/09/2024*	*13:52:00*	*Analyzed*	*1147058*	*11/09/2024*	*13:52:00*	*BEK*
NELAC	**Total Solids Start Code**	**Started**								
	TX 1005 3	*Prepared:*	*1147179*	*11/11/2024*	*13:46:54*	*Analyzed*	*1147179*	*11/11/2024*	*13:46:54*	*PEV*
NELAC	**1005 TPH Extraction Solid**	**10/9.99**	**grams**							03
	TX Method 1005	*Prepared:*	*1147179*	*11/11/2024*	*13:46:54*	*Analyzed*	*1148218*	*11/15/2024*	*11:08:00*	*KLB*
NELAC	**Texas1005 TPH Expansion - C36**	**Entered**								04

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Qualifiers:

D - Duplicate RPD was higher than expected E - Estimated Value
(- Sample from Bulk Container P - Spike recovery outside control limits due to matrix effects.
S - Standard reads lower than desired

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. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. 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

Bill Peery, MS, VP Technical Services

QUALITY CONTROL

PUBC-R

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Analytical Set 1147059 — SM2540 G-1997 /MOD

ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Solids for Dry Wt Conversi	1147059	0			grams	127000070

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Solids for Dry Wt Conversi	2353144	82.0	83.9	%	2.29	20.0
Total Solids for Dry Wt Conversi	2353228	99.9	99.9	%	0	20.0

Analytical Set 1147722 — EPA 6010C

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
TCLP Arsenic	1147416	ND	0.0149	0.050	mg/L	127015968
TCLP Barium	1147416	ND	0.00102	0.050	mg/L	127015968
TCLP Cadmium	1147416	ND	0.0014	0.025	mg/L	127015968
TCLP Chromium	1147416	ND	0.00175	0.050	mg/L	127015968
TCLP Lead	1147416	ND	0.0146	0.050	mg/L	127015968
TCLP Selenium	1147416	ND	0.0282	0.050	mg/L	127015968
TCLP Silver	1147416	ND	0.00208	0.010	mg/L	127015968

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP Arsenic	2.51	2.50	mg/L	100	90.0 - 110	127015967
TCLP Arsenic	2.50	2.50	mg/L	100	90.0 - 110	127015975
TCLP Barium	2.51	2.50	mg/L	100	90.0 - 110	127015967
TCLP Barium	2.51	2.50	mg/L	100	90.0 - 110	127015975
TCLP Cadmium	1.27	1.25	mg/L	102	90.0 - 110	127015967
TCLP Cadmium	1.27	1.25	mg/L	102	90.0 - 110	127015975
TCLP Chromium	2.48	2.50	mg/L	99.2	90.0 - 110	127015967
TCLP Chromium	2.48	2.50	mg/L	99.2	90.0 - 110	127015975
TCLP Selenium	2.55	2.50	mg/L	102	90.0 - 110	127015967
TCLP Selenium	2.57	2.50	mg/L	103	90.0 - 110	127015975
TCLP Silver	0.503	0.500	mg/L	101	90.0 - 110	127015967
TCLP Silver	0.502	0.500	mg/L	100	90.0 - 110	127015975

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP Arsenic	4.99	5.00	mg/L	99.8	95.0 - 105	127015961
TCLP Barium	4.97	5.00	mg/L	99.4	95.0 - 105	127015961
TCLP Cadmium	2.51	2.50	mg/L	100	95.0 - 105	127015961
TCLP Chromium	5.02	5.00	mg/L	100	95.0 - 105	127015961
TCLP Selenium	5.03	5.00	mg/L	101	95.0 - 105	127015961
TCLP Silver	1.01	1.00	mg/L	101	95.0 - 105	127015961

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File

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ICV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
TCLP Arsenic	2.53	2.50	mg/L	101	90.0 - 110	127015965
TCLP Barium	2.59	2.50	mg/L	104	90.0 - 110	127015965
TCLP Cadmium	1.30	1.25	mg/L	104	90.0 - 110	127015965
TCLP Chromium	2.60	2.50	mg/L	104	90.0 - 110	127015965
TCLP Selenium	2.61	2.50	mg/L	104	90.0 - 110	127015965
TCLP Silver	0.519	0.500	mg/L	104	90.0 - 110	127015965

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
TCLP Arsenic	1147416	0.503	0.496	0.500	87.8 - 119	101	99.2	mg/L	1.40	30.0
TCLP Barium	1147416	0.491	0.482	0.500	86.1 - 118	98.2	96.4	mg/L	1.85	30.0
TCLP Cadmium	1147416	0.252	0.247	0.250	85.7 - 117	101	98.8	mg/L	2.00	30.0
TCLP Chromium	1147416	0.502	0.501	0.500	93.8 - 121	100	100	mg/L	0.199	30.0
TCLP Lead	1147416	0.465	0.460	0.500	85.0 - 123	93.0	92.0	mg/L	1.08	30.0
TCLP Selenium	1147416	0.515	0.511	0.500	81.8 - 123	103	102	mg/L	0.780	30.0
TCLP Silver	1147416	0.0854	0.0842	0.100	80.4 - 123	85.4	84.2	mg/L	1.42	30.0

LDR

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
TCLP Arsenic	9.78	10.0	mg/L	97.8	90.0 - 110	127015962
TCLP Barium	9.60	10.0	mg/L	96.0	90.0 - 110	127015962
TCLP Cadmium	4.82	5.00	mg/L	96.4	90.0 - 110	127015962
TCLP Chromium	9.60	10.0	mg/L	96.0	90.0 - 110	127015962
TCLP Lead	9.70	10.0	mg/L	97.0	90.0 - 110	127015962
TCLP Selenium	9.83	10.0	mg/L	98.3	90.0 - 110	127015962
TCLP Silver	1.97	2.00	mg/L	98.5	90.0 - 110	127015962

MSD

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
TCLP Arsenic	2353395	2.61	2.56	ND	2.50	73.8 - 133	104	102	mg/L	1.93	30.0
TCLP Barium	2353395	3.05	3.03	0.553	2.50	73.3 - 125	99.9	99.1	mg/L	0.804	30.0
TCLP Cadmium	2353395	1.24	1.23	ND	1.25	47.5 - 140	99.2	98.4	mg/L	0.810	30.0
TCLP Chromium	2353395	2.56	2.53	ND	2.50	83.9 - 121	102	101	mg/L	1.18	30.0
TCLP Lead	2353395	2.38	2.28	ND	2.50	71.8 - 120	95.2	91.2	mg/L	4.29	30.0
TCLP Selenium	2353395	2.70	2.64	ND	2.50	59.3 - 142	108	106	mg/L	2.25	30.0
TCLP Silver	2353395	0.429	0.426	ND	0.500	72.3 - 126	85.8	85.2	mg/L	0.702	30.0

Analytical Set 1147862 — EPA 7470 A

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
TCLP Mercury	1147336	0.000119	0.000113	0.0002	mg/L	127022800

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
TCLP Mercury	0.00498	0.005	mg/L	99.6	90.0 - 110	127022788
TCLP Mercury	0.00477	0.005	mg/L	95.4	90.0 - 110	127022798

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP Mercury	0.0049	0.005	mg/L	98.0	90.0 - 110	127022799
TCLP Mercury	0.00502	0.005	mg/L	100	90.0 - 110	127022803
TCLP Mercury	0.00483	0.005	mg/L	96.6	90.0 - 110	127022812
TCLP Mercury	0.00488	0.005	mg/L	97.6	90.0 - 110	127022817
TCLP Mercury	0.00496	0.005	mg/L	99.2	90.0 - 110	127022818
TCLP Mercury	0.00505	0.005	mg/L	101	90.0 - 110	127022825
TCLP Mercury	0.00502	0.005	mg/L	100	90.0 - 110	127022829
TCLP Mercury	0.00496	0.005	mg/L	99.2	90.0 - 110	127022830
TCLP Mercury	0.00504	0.005	mg/L	101	90.0 - 110	127022831

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP Mercury	0.0205	0.02	mg/L	102	90.0 - 110	127022787

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP Mercury	0.00485	0.005	mg/L	97.0	90.0 - 110	127022786

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
TCLP Mercury	1147336	0.00969	0.00937	0.010	85.1 - 117	96.9	93.7	mg/L	3.36	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
TCLP Mercury	2353307	0.0998	0.102	0.00116	0.100	80.9 - 121	98.6	101	mg/L	2.21	20.0

Analytical Set 1148388 — EPA 6010C

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
TCLP Lead	1147416	ND	0.0146	0.050	mg/L	127035343

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP Lead	2.50	2.50	mg/L	100	90.0 - 110	127035304
TCLP Lead	2.49	2.50	mg/L	99.6	90.0 - 110	127035330
TCLP Lead	2.50	2.50	mg/L	100	90.0 - 110	127035341
TCLP Lead	2.52	2.50	mg/L	101	90.0 - 110	127035350
TCLP Lead	2.50	2.50	mg/L	100	90.0 - 110	127035357
TCLP Lead	2.50	2.50	mg/L	100	90.0 - 110	127035360

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP Lead	4.96	5.00	mg/L	99.2	95.0 - 105	127035298

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP Lead	2.57	2.50	mg/L	103	90.0 - 110	127035302

PUBC-R

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
TCLP Lead	1147416	0.509	0.496	0.500	85.0 - 123	102	99.2	mg/L	2.59	30.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
TCLP Lead	2353395	2.52	2.49	ND	2.50	71.8 - 120	101	99.6	mg/L	1.20	30.0

Analytical Set 1147288 — EPA 8260B

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1147288	174	0	0.0	0 - 2.00	127007270
BFB Mass 174	1147288	95.0	9540	57.5	50.0 - 100	127007270
BFB Mass 175	1147288	174	735	7.7	5.00 - 9.00	127007270
BFB Mass 176	1147288	174	9170	96.1	95.0 - 101	127007270
BFB Mass 177	1147288	176	582	6.3	5.00 - 9.00	127007270
BFB Mass 50	1147288	95.0	3223	19.4	15.0 - 40.0	127007270
BFB Mass 75	1147288	95.0	9266	55.8	30.0 - 60.0	127007270
BFB Mass 95	1147288	95.0	16602	100.0	100 - 100	127007270
BFB Mass 96	1147288	95.0	1142	6.9	5.00 - 9.00	127007270

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Benzene	1147288	ND	0.187	1.00	ug/kg	127007274
Ethylbenzene	1147288	ND	0.127	1.00	ug/kg	127007274
m- and p-Xylene	1147288	ND	0.405	2.00	ug/kg	127007274
o-Xylene	1147288	ND	0.157	1.00	ug/kg	127007274
Toluene	1147288	ND	0.182	1.00	ug/kg	127007274

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Benzene	21.1	20.0	ug/kg	105	70.0 - 130	127007271
Ethylbenzene	20.7	20.0	ug/kg	103	70.0 - 130	127007271
m- and p-Xylene	40.1	40.0	ug/kg	100	70.0 - 130	127007271
o-Xylene	20.7	20.0	ug/kg	104	70.0 - 130	127007271
Toluene	20.1	20.0	ug/kg	101	70.0 - 130	127007271

IS Areas

Parameter	Sample	Type	Reading	CCVISM	Low	High	File	PrepSet
1,4-DichlorobenzeneD4 (ISTD)	1147288	CCV	88230	88230	44120	132400	127007271	1147288
1,4-DichlorobenzeneD4 (ISTD)	1147288	LCS	84840	88230	44120	132400	127007272	1147288
1,4-DichlorobenzeneD4 (ISTD)	1147288	LCS Dup	84830	88230	44120	132400	127007273	1147288
1,4-DichlorobenzeneD4 (ISTD)	1147288	Blank	78430	88230	44120	132400	127007274	1147288
ChlorobenzeneD5 (ISTD)	1147288	CCV	171700	171700	85830	257500	127007271	1147288
ChlorobenzeneD5 (ISTD)	1147288	LCS	172100	171700	85830	257500	127007272	1147288
ChlorobenzeneD5 (ISTD)	1147288	LCS Dup	168100	171700	85830	257500	127007273	1147288
ChlorobenzeneD5 (ISTD)	1147288	Blank	169900	171700	85830	257500	127007274	1147288
1,4-DichlorobenzeneD4 (ISTD)	2352170	MS	82900	88230	44120	132400	127007277	1147288

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IS Areas

Parameter	*Sample*	*Type*	*Reading*	*CCVISM*	*Low*	*High*	*File*	*PrepSet*
1,4-DichlorobenzeneD4 (ISTD)	2352170	MSD	85120	88230	44120	132400	127007278	1147288
ChlorobenzeneD5 (ISTD)	2352170	MS	162800	171700	85830	257500	127007277	1147288
ChlorobenzeneD5 (ISTD)	2352170	MSD	167900	171700	85830	257500	127007278	1147288
1,4-DichlorobenzeneD4 (ISTD)	2353307	Unknown	72150	88230	44120	132400	127007279	1147288
ChlorobenzeneD5 (ISTD)	2353307	Unknown	162900	171700	85830	257500	127007279	1147288

IS RetTime

Parameter	*Sample*	*Type*	*Reading*	*CCVISM*	*Low*	*High*	*File*	*PrepSet*
1,4-DichlorobenzeneD4 (ISTD)	1147288	CCV	11.97	11.97	11.91	12.03	127007271	1147288
1,4-DichlorobenzeneD4 (ISTD)	1147288	LCS	11.97	11.97	11.91	12.03	127007272	1147288
1,4-DichlorobenzeneD4 (ISTD)	1147288	LCS Dup	11.97	11.97	11.91	12.03	127007273	1147288
1,4-DichlorobenzeneD4 (ISTD)	1147288	Blank	11.97	11.97	11.91	12.03	127007274	1147288
ChlorobenzeneD5 (ISTD)	1147288	CCV	9.597	9.597	9.537	9.657	127007271	1147288
ChlorobenzeneD5 (ISTD)	1147288	LCS	9.597	9.597	9.537	9.657	127007272	1147288
ChlorobenzeneD5 (ISTD)	1147288	LCS Dup	9.597	9.597	9.537	9.657	127007273	1147288
ChlorobenzeneD5 (ISTD)	1147288	Blank	9.597	9.597	9.537	9.657	127007274	1147288
1,4-DichlorobenzeneD4 (ISTD)	2352170	MS	11.97	11.97	11.91	12.03	127007277	1147288
1,4-DichlorobenzeneD4 (ISTD)	2352170	MSD	11.97	11.97	11.91	12.03	127007278	1147288
ChlorobenzeneD5 (ISTD)	2352170	MS	9.597	9.597	9.537	9.657	127007277	1147288
ChlorobenzeneD5 (ISTD)	2352170	MSD	9.597	9.597	9.537	9.657	127007278	1147288
1,4-DichlorobenzeneD4 (ISTD)	2353307	Unknown	11.97	11.97	11.91	12.03	127007279	1147288
ChlorobenzeneD5 (ISTD)	2353307	Unknown	9.597	9.597	9.537	9.657	127007279	1147288

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
Benzene	1147288	20.2	20.0	20.0	65.4 - 126	101	100	ug/kg	0.995	20.0
Ethylbenzene	1147288	19.5	19.9	20.0	71.2 - 122	97.5	99.5	ug/kg	2.03	20.0
m- and p-Xylene	1147288	37.8	38.2	40.0	68.2 - 119	94.5	95.5	ug/kg	1.05	20.0
o-Xylene	1147288	19.3	19.6	20.0	68.0 - 117	96.5	98.0	ug/kg	1.54	20.0
Toluene	1147288	19.2	19.2	20.0	69.3 - 120	96.0	96.0	ug/kg	0	20.0

MSD

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
Benzene	2352170	187	179	ND	200	3.14 - 125	93.5	89.5	ug/kg	4.37	30.0
Ethylbenzene	2352170	184	175	ND	200	5.31 - 128	92.0	87.5	ug/kg	5.01	30.0
m- and p-Xylene	2352170	343	334	ND	400	3.91 - 127	85.8	83.5	ug/kg	2.66	30.0
o-Xylene	2352170	177	169	ND	200	14.8 - 122	88.5	84.5	ug/kg	4.62	30.0
Toluene	2352170	181	168	ND	200	4.31 - 127	90.5	84.0	ug/kg	7.45	30.0

Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
1,2-DCA-d4 (SURR)	1147288	CCV	19.5	20.0	ug/kg	97.5	73.2 - 130	127007271
1,2-DCA-d4 (SURR)	1147288	LCS	19.6	20.0	ug/kg	98.0	73.2 - 130	127007272
1,2-DCA-d4 (SURR)	1147288	LCS Dup	20.1	20.0	ug/kg	100	73.2 - 130	127007273
1,2-DCA-d4 (SURR)	1147288	Blank	19.4	20.0	ug/kg	97.0	73.2 - 130	127007274
Bromofluorobenzene (SURR)	1147288	CCV	20.8	20.0	ug/kg	104	85.9 - 121	127007271

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Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
Bromofluorobenzene (SURR)	1147288	LCS	21.2	20.0	ug/kg	106	85.9 - 121	127007272
Bromofluorobenzene (SURR)	1147288	LCS Dup	20.6	20.0	ug/kg	103	85.9 - 121	127007273
Bromofluorobenzene (SURR)	1147288	Blank	22.3	20.0	ug/kg	112	85.9 - 121	127007274
Dibromofluoromethane (SURR)	1147288	CCV	19.6	20.0	ug/kg	98.0	82.4 - 121	127007271
Dibromofluoromethane (SURR)	1147288	LCS	18.8	20.0	ug/kg	94.0	82.4 - 121	127007272
Dibromofluoromethane (SURR)	1147288	LCS Dup	19.8	20.0	ug/kg	99.0	82.4 - 121	127007273
Dibromofluoromethane (SURR)	1147288	Blank	19.3	20.0	ug/kg	96.5	82.4 - 121	127007274
TolueneD8 (SURR)	1147288	CCV	19.0	20.0	ug/kg	95.0	85.7 - 114	127007271
TolueneD8 (SURR)	1147288	LCS	19.0	20.0	ug/kg	95.0	85.7 - 114	127007272
TolueneD8 (SURR)	1147288	LCS Dup	19.0	20.0	ug/kg	95.0	85.7 - 114	127007273
TolueneD8 (SURR)	1147288	Blank	18.8	20.0	ug/kg	94.0	85.7 - 114	127007274
1,2-DCA-d4 (SURR)	2352170	MS	20.0	20.0	ug/kg	100	73.2 - 130	127007277
1,2-DCA-d4 (SURR)	2352170	MSD	20.2	20.0	ug/kg	101	73.2 - 130	127007278
Bromofluorobenzene (SURR)	2352170	MS	20.5	20.0	ug/kg	102	85.9 - 121	127007277
Bromofluorobenzene (SURR)	2352170	MSD	20.8	20.0	ug/kg	104	85.9 - 121	127007278
Dibromofluoromethane (SURR)	2352170	MS	20.3	20.0	ug/kg	102	82.4 - 121	127007277
Dibromofluoromethane (SURR)	2352170	MSD	20.1	20.0	ug/kg	100	82.4 - 121	127007278
TolueneD8 (SURR)	2352170	MS	19.4	20.0	ug/kg	97.0	85.7 - 114	127007277
TolueneD8 (SURR)	2352170	MSD	19.4	20.0	ug/kg	97.0	85.7 - 114	127007278
1,2-DCA-d4 (SURR)	2353307	Unknown	2150	2000	ug/kg	108	73.2 - 130	127007279
Bromofluorobenzene (SURR)	2353307	Unknown	2100	2000	ug/kg	105	85.9 - 121	127007279
Dibromofluoromethane (SURR)	2353307	Unknown	2040	2000	ug/kg	102	82.4 - 121	127007279
TolueneD8 (SURR)	2353307	Unknown	1940	2000	ug/kg	97.0	85.7 - 114	127007279

Analytical Set 1147716 — EPA 8260B

BFB

Parameter	Sample	RefMass	Reading	%	Limits%	File
BFB Mass 173	1147716	174	64	0.8	0 - 2.00	127015739
BFB Mass 174	1147716	95.0	8129	54.5	50.0 - 100	127015739
BFB Mass 175	1147716	174	657	8.1	5.00 - 9.00	127015739
BFB Mass 176	1147716	174	7875	96.9	95.0 - 101	127015739
BFB Mass 177	1147716	176	533	6.8	5.00 - 9.00	127015739
BFB Mass 50	1147716	95.0	2865	19.2	15.0 - 40.0	127015739
BFB Mass 75	1147716	95.0	8028	53.8	30.0 - 60.0	127015739
BFB Mass 95	1147716	95.0	14925	100.0	100 - 100	127015739
BFB Mass 96	1147716	95.0	1023	6.9	5.00 - 9.00	127015739

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
TCLP 1,1-Dichloroethene	1147716	ND	0.000574	0.001	mg/L	127015743
TCLP 1,1-Dichloroethene	1147716	ND	0.000574	0.001	mg/L	127015744
TCLP 1,2-Dichloroethane	1147716	ND	0.00059	0.001	mg/L	127015743
TCLP 1,2-Dichloroethane	1147716	ND	0.00059	0.001	mg/L	127015744
TCLP 1,4 Dichlorobenzene	1147716	ND	0.000837	0.001	mg/L	127015743
TCLP 1,4 Dichlorobenzene	1147716	ND	0.000837	0.001	mg/L	127015744

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Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
TCLP Benzene	1147716	ND	0.000453	0.001	mg/L	127015743
TCLP Benzene	1147716	ND	0.000453	0.001	mg/L	127015744
TCLP Carbon tetrachloride	1147716	ND	0.000299	0.001	mg/L	127015743
TCLP Carbon tetrachloride	1147716	ND	0.000299	0.001	mg/L	127015744
TCLP Chlorobenzene	1147716	ND	0.000558	0.001	mg/L	127015743
TCLP Chlorobenzene	1147716	ND	0.000558	0.001	mg/L	127015744
TCLP Chloroform	1147716	ND	0.000463	0.001	mg/L	127015743
TCLP Chloroform	1147716	ND	0.000463	0.001	mg/L	127015744
TCLP MEK	1147716	ND	0.000742	0.001	mg/L	127015743
TCLP MEK	1147716	ND	0.000742	0.001	mg/L	127015744
TCLP Tetrachloroethylene	1147716	ND	0.000607	0.001	mg/L	127015743
TCLP Tetrachloroethylene	1147716	ND	0.000607	0.001	mg/L	127015744
TCLP Trichloroethylene	1147716	ND	0.000521	0.001	mg/L	127015743
TCLP Trichloroethylene	1147716	ND	0.000521	0.001	mg/L	127015744
TCLP Vinyl chloride	1147716	ND	0.000702	0.001	mg/L	127015743
TCLP Vinyl chloride	1147716	ND	0.000702	0.001	mg/L	127015744

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
TCLP 1,1-Dichloroethene	0.0223	0.020	mg/L	112	70.0 - 130	127015740
TCLP 1,2-Dichloroethane	0.0219	0.020	mg/L	110	70.0 - 130	127015740
TCLP 1,4 Dichlorobenzene	0.0194	0.020	mg/L	97.0	70.0 - 130	127015740
TCLP Benzene	0.0212	0.020	mg/L	106	70.0 - 130	127015740
TCLP Carbon tetrachloride	0.0235	0.020	mg/L	118	70.0 - 130	127015740
TCLP Chlorobenzene	0.0194	0.020	mg/L	97.0	70.0 - 130	127015740
TCLP Chloroform	0.0214	0.020	mg/L	107	70.0 - 130	127015740
TCLP MEK	0.0246	0.020	mg/L	123	70.0 - 130	127015740
TCLP Tetrachloroethylene	0.0225	0.020	mg/L	112	70.0 - 130	127015740
TCLP Trichloroethylene	0.0208	0.020	mg/L	104	70.0 - 130	127015740
TCLP Vinyl chloride	0.0149	0.020	mg/L	74.5	70.0 - 130	127015740

IS Areas

Parameter	*Sample*	*Type*	*Reading*	*CCVISM*	*Low*	*High*	*File*	*PrepSet*
1,4-DichlorobenzeneD4 (ISTD)	1147716	CCV	80480	80480	56330	104600	127015740	1147716
1,4-DichlorobenzeneD4 (ISTD)	1147716	LCS	76780	80480	56330	104600	127015741	1147716
1,4-DichlorobenzeneD4 (ISTD)	1147716	LCS Dup	73520	80480	56330	104600	127015742	1147716
1,4-DichlorobenzeneD4 (ISTD)	1147716	Blank	65830	80480	56330	104600	127015743	1147716
1,4-DichlorobenzeneD4 (ISTD)	1147716	Blank	70790	80480	56330	104600	127015744	1147716
ChlorobenzeneD5 (ISTD)	1147716	CCV	155300	155300	108700	201900	127015740	1147716
ChlorobenzeneD5 (ISTD)	1147716	LCS	150100	155300	108700	201900	127015741	1147716
ChlorobenzeneD5 (ISTD)	1147716	LCS Dup	150200	155300	108700	201900	127015742	1147716
ChlorobenzeneD5 (ISTD)	1147716	Blank	147200	155300	108700	201900	127015743	1147716
ChlorobenzeneD5 (ISTD)	1147716	Blank	150200	155300	108700	201900	127015744	1147716
1,4-DichlorobenzeneD4 (ISTD)	2352751	MS	71500	80480	56330	104600	127015747	1147256
1,4-DichlorobenzeneD4 (ISTD)	2352751	MSD	73320	80480	56330	104600	127015748	1147256

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IS Areas

Parameter	*Sample*	*Type*	*Reading*	*CCVISM*	*Low*	*High*	*File*	*PrepSet*
ChlorobenzeneD5 (ISTD)	2352751	MS	140500	155300	108700	201900	127015747	1147256
ChlorobenzeneD5 (ISTD)	2352751	MSD	147700	155300	108700	201900	127015748	1147256

IS RetTime

Parameter	*Sample*	*Type*	*Reading*	*CCVISM*	*Low*	*High*	*File*	*PrepSet*
1,4-DichlorobenzeneD4 (ISTD)	1147716	LCS	11.97	11.97	11.91	12.03	127015741	1147716
1,4-DichlorobenzeneD4 (ISTD)	1147716	LCS Dup	11.97	11.97	11.91	12.03	127015742	1147716
1,4-DichlorobenzeneD4 (ISTD)	1147716	Blank	11.97	11.97	11.91	12.03	127015743	1147716
1,4-DichlorobenzeneD4 (ISTD)	1147716	Blank	11.97	11.97	11.91	12.03	127015744	1147716
ChlorobenzeneD5 (ISTD)	1147716	LCS	9.597	9.597	9.537	9.657	127015741	1147716
ChlorobenzeneD5 (ISTD)	1147716	LCS Dup	9.597	9.597	9.537	9.657	127015742	1147716
ChlorobenzeneD5 (ISTD)	1147716	Blank	9.597	9.597	9.537	9.657	127015743	1147716
ChlorobenzeneD5 (ISTD)	1147716	Blank	9.597	9.597	9.537	9.657	127015744	1147716
1,4-DichlorobenzeneD4 (ISTD)	2352751	MS	11.97	11.97	11.91	12.03	127015747	1147256
1,4-DichlorobenzeneD4 (ISTD)	2352751	MSD	11.97	11.97	11.91	12.03	127015748	1147256
ChlorobenzeneD5 (ISTD)	2352751	MS	9.597	9.597	9.537	9.657	127015747	1147256
ChlorobenzeneD5 (ISTD)	2352751	MSD	9.597	9.597	9.537	9.657	127015748	1147256

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
TCLP 1,1-Dichloroethene	1147716	0.0195	0.0196	0.020	56.7 - 135	97.5	98.0	mg/L	0.512	30.0
TCLP 1,2-Dichloroethane	1147716	0.0219	0.0214	0.020	69.8 - 132	110	107	mg/L	2.76	30.0
TCLP 1,4 Dichlorobenzene	1147716	0.0148	0.015	0.020	74.8 - 116	74.0 *	75.0	mg/L	1.34	30.0
TCLP Benzene	1147716	0.0195	0.0195	0.020	67.1 - 123	97.5	97.5	mg/L	0	30.0
TCLP Carbon tetrachloride	1147716	0.0223	0.0217	0.020	60.1 - 132	112	108	mg/L	3.64	30.0
TCLP Chlorobenzene	1147716	0.0186	0.0183	0.020	74.0 - 115	93.0	91.5	mg/L	1.63	30.0
TCLP Chloroform	1147716	0.0203	0.020	0.020	71.1 - 128	102	100	mg/L	1.98	30.0
TCLP MEK	1147716	0.023	0.0212	0.020	40.7 - 166	115	106	mg/L	8.14	30.0
TCLP Tetrachloroethylene	1147716	0.0212	0.0207	0.020	71.2 - 126	106	104	mg/L	1.90	30.0
TCLP Trichloroethylene	1147716	0.0194	0.0194	0.020	71.4 - 126	97.0	97.0	mg/L	0	30.0
TCLP Vinyl chloride	1147716	0.015	0.015	0.020	18.5 - 155	75.0	75.0	mg/L	0	30.0

MSD

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
TCLP 1,1-Dichloroethene	2352751	0.204	0.187	ND	0.200	0.100 - 168	102	93.5	mg/L	8.70	30.0
TCLP 1,2-Dichloroethane	2352751	0.214	0.203	ND	0.200	48.4 - 134	107	102	mg/L	5.28	30.0
TCLP 1,4 Dichlorobenzene	2352751	0.148	0.139	ND	0.200	45.4 - 121	74.0	69.5	mg/L	6.27	30.0
TCLP Benzene	2352751	0.196	0.183	ND	0.200	5.00 - 119	98.0	91.5	mg/L	6.86	30.0
TCLP Carbon tetrachloride	2352751	0.227	0.218	ND	0.200	0.100 - 164	114	109	mg/L	4.04	30.0
TCLP Chlorobenzene	2352751	0.183	0.170	ND	0.200	32.5 - 130	91.5	85.0	mg/L	7.37	30.0
TCLP Chloroform	2352751	0.200	0.191	ND	0.200	22.1 - 141	100	95.5	mg/L	4.60	30.0
TCLP MEK	2352751	0.224	0.207	ND	0.200	9.88 - 197	112	104	mg/L	7.89	30.0
TCLP Tetrachloroethylene	2352751	0.217	0.202	ND	0.200	0.100 - 157	108	101	mg/L	7.16	30.0
TCLP Trichloroethylene	2352751	0.194	0.181	ND	0.200	0.100 - 161	97.0	90.5	mg/L	6.93	30.0
TCLP Vinyl chloride	2352751	0.154	0.142	ND	0.200	0.100 - 197	77.0	71.0	mg/L	8.11	30.0

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Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
1,2-DCA-d4 (SURR)	1147716	CCV	0.0212	0.020	mg/L	106	74.2 - 132	127015740
1,2-DCA-d4 (SURR)	1147716	LCS	0.0212	0.020	mg/L	106	74.2 - 132	127015741
1,2-DCA-d4 (SURR)	1147716	LCS Dup	0.0211	0.020	mg/L	106	74.2 - 132	127015742
1,2-DCA-d4 (SURR)	1147716	Blank	0.0213	0.020	mg/L	106	74.2 - 132	127015743
1,2-DCA-d4 (SURR)	1147716	Blank	0.021	0.020	mg/L	105	74.2 - 132	127015744
Bromofluorobenzene (SURR)	1147716	CCV	0.0211	0.020	mg/L	106	77.2 - 134	127015740
Bromofluorobenzene (SURR)	1147716	LCS	0.021	0.020	mg/L	105	77.2 - 134	127015741
Bromofluorobenzene (SURR)	1147716	LCS Dup	0.0221	0.020	mg/L	110	77.2 - 134	127015742
Bromofluorobenzene (SURR)	1147716	Blank	0.0232	0.020	mg/L	116	77.2 - 134	127015743
Bromofluorobenzene (SURR)	1147716	Blank	0.0217	0.020	mg/L	108	77.2 - 134	127015744
Dibromofluoromethane (SURR)	1147716	CCV	0.0201	0.020	mg/L	100	67.2 - 122	127015740
Dibromofluoromethane (SURR)	1147716	LCS	0.0205	0.020	mg/L	102	67.2 - 122	127015741
Dibromofluoromethane (SURR)	1147716	LCS Dup	0.0207	0.020	mg/L	104	67.2 - 122	127015742
Dibromofluoromethane (SURR)	1147716	Blank	0.0199	0.020	mg/L	99.5	67.2 - 122	127015743
Dibromofluoromethane (SURR)	1147716	Blank	0.020	0.020	mg/L	100	67.2 - 122	127015744
TolueneD8 (SURR)	1147716	CCV	0.0193	0.020	mg/L	96.5	69.2 - 122	127015740
TolueneD8 (SURR)	1147716	LCS	0.0196	0.020	mg/L	98.0	69.2 - 122	127015741
TolueneD8 (SURR)	1147716	LCS Dup	0.0192	0.020	mg/L	96.0	69.2 - 122	127015742
TolueneD8 (SURR)	1147716	Blank	0.0193	0.020	mg/L	96.5	69.2 - 122	127015743
TolueneD8 (SURR)	1147716	Blank	0.0193	0.020	mg/L	96.5	69.2 - 122	127015744
1,2-DCA-d4 (SURR)	2352751	MS	0.0219	0.020	mg/L	110	74.2 - 132	127015747
1,2-DCA-d4 (SURR)	2352751	MSD	0.0218	0.020	mg/L	109	74.2 - 132	127015748
Bromofluorobenzene (SURR)	2352751	MS	0.0211	0.020	mg/L	106	77.2 - 134	127015747
Bromofluorobenzene (SURR)	2352751	MSD	0.0222	0.020	mg/L	111	77.2 - 134	127015748
Dibromofluoromethane (SURR)	2352751	MS	0.0204	0.020	mg/L	102	67.2 - 122	127015747
Dibromofluoromethane (SURR)	2352751	MSD	0.0206	0.020	mg/L	103	67.2 - 122	127015748
TolueneD8 (SURR)	2352751	MS	0.0193	0.020	mg/L	96.5	69.2 - 122	127015747
TolueneD8 (SURR)	2352751	MSD	0.0196	0.020	mg/L	98.0	69.2 - 122	127015748
1,2-DCA-d4 (SURR)	2353307	Unknown	0.0214	0.020	mg/L	107	74.2 - 132	127015745
Bromofluorobenzene (SURR)	2353307	Unknown	0.0218	0.020	mg/L	109	77.2 - 134	127015745
Dibromofluoromethane (SURR)	2353307	Unknown	0.0196	0.020	mg/L	98.0	67.2 - 122	127015745
TolueneD8 (SURR)	2353307	Unknown	0.0191	0.020	mg/L	95.5	69.2 - 122	127015745

Analytical Set 1148218 — TX Method 1005

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
C12 to C28 TPH (DRO)	1147179	ND	19.3	40.0	mg/kg	127030330
C28 to C36 TPH (ORO)	1147179	ND	16.6	40.0	mg/kg	127030330
C6 to C12 TPH (GRO)	1147179	ND	16.6	40.0	mg/kg	127030330

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
C12 to C28 TPH (DRO)	592	500	mg/kg	118	70.0 - 130	127030329
C12 to C28 TPH (DRO)	523	500	mg/kg	105	70.0 - 130	127030344
C12 to C28 TPH (DRO)	604	500	mg/kg	121	70.0 - 130	127030358

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QUALITY CONTROL

PUBC-R

Public Utilities Board
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Project
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CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
C12 to C28 TPH (DRO)	600	500	mg/kg	120	70.0 - 130	127030364
C12 to C28 TPH (DRO)	600	500	mg/kg	120	70.0 - 130	127030376
C6 to C12 TPH (GRO)	540	500	mg/kg	108	70.0 - 130	127030329
C6 to C12 TPH (GRO)	452	500	mg/kg	90.4	70.0 - 130	127030344
C6 to C12 TPH (GRO)	604	500	mg/kg	121	70.0 - 130	127030358
C6 to C12 TPH (GRO)	549	500	mg/kg	110	70.0 - 130	127030364
C6 to C12 TPH (GRO)	386	500	mg/kg	77.2	70.0 - 130	127030376

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
C12 to C28 TPH (DRO)	1147179	548	496	500	75.0 - 125	110	99.2	mg/kg	10.3	20.0
C6 to C12 TPH (GRO)	1147179	458	407	500	75.0 - 125	91.6	81.4	mg/kg	11.8	20.0

MSD

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
C12 to C28 TPH (DRO)	2353307	350	318	39.6	500	75.0 - 125	62.1 *	55.7 *	mg/kg	10.9	20.0
C6 to C12 TPH (GRO)	2353307	221	151	ND	500	75.0 - 125	44.2 *	30.2 *	mg/kg	37.6 *	20.0

Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
1-Chlorooctane (Surrogate)		CCV	234	250	mg/kg	93.6	50.0 - 150	127030329
1-Chlorooctane (Surrogate)		CCV	206	250	mg/kg	82.4	50.0 - 150	127030344
1-Chlorooctane (Surrogate)		CCV	251	250	mg/kg	100	50.0 - 150	127030358
1-Chlorooctane (Surrogate)		CCV	242	250	mg/kg	96.8	50.0 - 150	127030364
1-Chlorooctane (Surrogate)		CCV	217	250	mg/kg	86.8	50.0 - 150	127030376
oTerphenyl (Surrogate)		CCV	263	250	mg/kg	105	50.0 - 150	127030329
oTerphenyl (Surrogate)		CCV	231	250	mg/kg	92.4	50.0 - 150	127030344
oTerphenyl (Surrogate)		CCV	270	250	mg/kg	108	50.0 - 150	127030358
oTerphenyl (Surrogate)		CCV	268	250	mg/kg	107	50.0 - 150	127030364
oTerphenyl (Surrogate)		CCV	222	250	mg/kg	88.8	50.0 - 150	127030376
1-Chlorooctane (Surrogate)	1147179	Blank	295	250	mg/kg	118	50.0 - 150	127030330
1-Chlorooctane (Surrogate)	1147179	LCS	226	250	mg/kg	90.4	50.0 - 150	127030332
1-Chlorooctane (Surrogate)	1147179	LCS Dup	214	250	mg/kg	85.6	50.0 - 150	127030333
oTerphenyl (Surrogate)	1147179	Blank	311	250	mg/kg	124	50.0 - 150	127030330
oTerphenyl (Surrogate)	1147179	LCS	236	250	mg/kg	94.4	50.0 - 150	127030332
oTerphenyl (Surrogate)	1147179	LCS Dup	221	250	mg/kg	88.4	50.0 - 150	127030333
1-Chlorooctane (Surrogate)	2353307	Unknown	229	250	mg/kg	91.6	50.0 - 150	127030334
1-Chlorooctane (Surrogate)	2353307	MS	187	250	mg/kg	74.8	50.0 - 150	127030335
1-Chlorooctane (Surrogate)	2353307	MSD	173	250	mg/kg	69.2	50.0 - 150	127030336
oTerphenyl (Surrogate)	2353307	Unknown	228	250	mg/kg	91.2	50.0 - 150	127030334
oTerphenyl (Surrogate)	2353307	MS	184	250	mg/kg	73.6	50.0 - 150	127030335
oTerphenyl (Surrogate)	2353307	MSD	172	250	mg/kg	68.8	50.0 - 150	127030336

Analytical Set 1148344 — EPA 8151

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*

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Parameter	PrepSet	Reading	MDL	MQL	Units	File
TCLP 2,4 D	1147255	ND	0.0159	0.050	mg/L	127034325
TCLP 2,4,5-TP (Silvex)	1147255	ND	0.00893	0.030	mg/L	127034325
TCLP 2,4 D	1147882	ND	0.0159	0.050	mg/L	127034319
TCLP 2,4,5-TP (Silvex)	1147882	ND	0.00893	0.030	mg/L	127034319

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
TCLP 2,4 D	0.152	0.150	mg/L	101	70.0 - 130	127034318
TCLP 2,4 D	0.177	0.150	mg/L	118	70.0 - 130	127034334
TCLP 2,4,5-TP (Silvex)	0.152	0.150	mg/L	101	70.0 - 130	127034318
TCLP 2,4,5-TP (Silvex)	0.169	0.150	mg/L	112	70.0 - 130	127034334

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
TCLP 2,4 D	1147882	0.0785	0.0794	0.100	2.06 - 194	78.5	79.4	mg/L	1.14	30.0
TCLP 2,4,5-TP (Silvex)	1147882	0.0868	0.087	0.100	19.3 - 162	86.8	87.0	mg/L	0.230	30.0

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4-Dichlorophenylacetic Acid		CCV	0.152	0.200	mg/L	76.0	0.100 - 294	127034318
2,4-Dichlorophenylacetic Acid		CCV	0.167	0.200	mg/L	83.5	0.100 - 294	127034334
2,4-Dichlorophenylacetic Acid	1147255	Blank	0.0848	0.200	mg/L	42.4	0.100 - 294	127034325
2,4-Dichlorophenylacetic Acid	1147882	Blank	0.0602	0.200	mg/L	30.1	0.100 - 294	127034319
2,4-Dichlorophenylacetic Acid	1147882	LCS	0.112	0.200	mg/L	56.0	0.100 - 294	127034320
2,4-Dichlorophenylacetic Acid	1147882	LCS Dup	0.108	0.200	mg/L	54.0	0.100 - 294	127034321
2,4-Dichlorophenylacetic Acid	2353307	Unknown	0.876	2.00	mg/L	43.8	0.100 - 294	127034327

Analytical Set 1148506 — EPA 8081A

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
TCLP Chlordane	1147255	ND	0.0000183	0.00002	mg/L	127038979
TCLP Endrin	1147255	ND	0.000538	0.001	mg/L	127038979
TCLP gamma-BHC (Lindane)	1147255	ND	0.000385	0.001	mg/L	127038979
TCLP Heptachlor	1147255	ND	0.000207	0.001	mg/L	127038979
TCLP Heptachlor Epoxide	1147255	ND	0.00066	0.001	mg/L	127038979
TCLP Methoxychlor	1147255	ND	0.000898	0.001	mg/L	127038979
TCLP Toxaphene	1147255	ND	0.000169	0.0002	mg/L	127038979
TCLP Chlordane	1147608	ND	0.0000183	0.00002	mg/L	127038971
TCLP Endrin	1147608	ND	0.000538	0.001	mg/L	127038971
TCLP gamma-BHC (Lindane)	1147608	ND	0.000385	0.001	mg/L	127038971
TCLP Heptachlor	1147608	0.000837	0.000207	0.001	mg/L	127038971
TCLP Heptachlor Epoxide	1147608	ND	0.00066	0.001	mg/L	127038971
TCLP Methoxychlor	1147608	ND	0.000898	0.001	mg/L	127038971
TCLP Toxaphene	1147608	ND	0.000169	0.0002	mg/L	127038971

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Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
TCLP Endrin	0.0493	0.050	mg/L	98.7	70.0 - 130	127038962
TCLP Endrin	0.0515	0.050	mg/L	103	70.0 - 130	127038966
TCLP Endrin	0.0503	0.050	mg/L	101	70.0 - 130	127038970
TCLP Endrin	0.0489	0.050	mg/L	97.7	70.0 - 130	127038985
TCLP gamma-BHC (Lindane)	0.0488	0.050	mg/L	97.6	70.0 - 130	127038962
TCLP gamma-BHC (Lindane)	0.0536	0.050	mg/L	107	70.0 - 130	127038966
TCLP gamma-BHC (Lindane)	0.049	0.050	mg/L	98.0	70.0 - 130	127038970
TCLP gamma-BHC (Lindane)	0.0495	0.050	mg/L	99.1	70.0 - 130	127038985
TCLP Heptachlor	0.047	0.050	mg/L	94.0	70.0 - 130	127038962
TCLP Heptachlor	0.053	0.050	mg/L	106	70.0 - 130	127038966
TCLP Heptachlor	0.0481	0.050	mg/L	96.1	70.0 - 130	127038970
TCLP Heptachlor	0.0484	0.050	mg/L	96.8	70.0 - 130	127038985
TCLP Heptachlor Epoxide	0.0471	0.050	mg/L	94.1	70.0 - 130	127038962
TCLP Heptachlor Epoxide	0.0502	0.050	mg/L	100	70.0 - 130	127038966
TCLP Heptachlor Epoxide	0.049	0.050	mg/L	98.0	70.0 - 130	127038970
TCLP Heptachlor Epoxide	0.0481	0.050	mg/L	96.2	70.0 - 130	127038985
TCLP Methoxychlor	0.0489	0.050	mg/L	97.8	70.0 - 130	127038962
TCLP Methoxychlor	0.0458	0.050	mg/L	91.5	70.0 - 130	127038966
TCLP Methoxychlor	0.0428	0.050	mg/L	85.5	70.0 - 130	127038970
TCLP Methoxychlor	0.0387	0.050	mg/L	77.4	70.0 - 130	127038985

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
TCLP Endrin	1147608	0.0971	0.0999	0.100	42.6 - 137	97.1	99.9	mg/L	2.84	30.0
TCLP gamma-BHC (Lindane)	1147608	0.0874	0.0974	0.100	33.0 - 129	87.4	97.4	mg/L	10.8	30.0
TCLP Heptachlor	1147608	0.0793	0.0899	0.100	24.2 - 129	79.3	89.9	mg/L	12.5	30.0
TCLP Heptachlor Epoxide	1147608	0.0863	0.0925	0.100	40.8 - 128	86.3	92.5	mg/L	6.94	30.0
TCLP Methoxychlor	1147608	0.0769	0.0733	0.100	33.3 - 146	76.9	73.3	mg/L	4.79	30.0

MS

Parameter	*Sample*	*MS*	*MSD*	*UNK*	*Known*	*Limits*	*MS%*	*MSD%*	*Units*	*RPD*	*Limit%*
TCLP Endrin	2352170	0.00485	0	ND	0.005	24.3 - 151	97.0		mg/L		30.0
TCLP gamma-BHC (Lindane)	2352170	0.00419	0	ND	0.005	21.3 - 144	83.8		mg/L		30.0
TCLP Heptachlor	2352170	0.00389	0	ND	0.005	14.9 - 138	77.8		mg/L		30.0
TCLP Heptachlor Epoxide	2352170	0.00439	0	ND	0.005	29.9 - 133	87.8		mg/L		30.0
TCLP Methoxychlor	2352170	0.00293	0	ND	0.005	10.3 - 183	58.6		mg/L		30.0

Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Decachlorobiphenyl		CCV	0.0453	0.100	mg/L	45.3	10.0 - 150	127038962
Decachlorobiphenyl		CCV	0.0531	0.100	mg/L	53.1	10.0 - 150	127038966
Decachlorobiphenyl		CCV	0.0519	0.100	mg/L	51.9	10.0 - 150	127038970
Decachlorobiphenyl		CCV	0.0685	0.100	mg/L	68.5	10.0 - 150	127038985
Tetrachloro-m-Xylene (Surr)		CCV	0.0443	0.100	mg/L	44.3	10.0 - 150	127038962
Tetrachloro-m-Xylene (Surr)		CCV	0.0444	0.100	mg/L	44.4	10.0 - 150	127038966
Tetrachloro-m-Xylene (Surr)		CCV	0.0448	0.100	mg/L	44.8	10.0 - 150	127038970

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Surrogate

Parameter	*Sample*	*Type*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Tetrachloro-m-Xylene (Surr)		CCV	0.0452	0.100	mg/L	45.2	10.0 - 150	127038985
Decachlorobiphenyl	1147255	Blank	0.0877	0.100	mg/L	87.7	10.0 - 150	127038979
Tetrachloro-m-Xylene (Surr)	1147255	Blank	0.0674	0.100	mg/L	67.4	10.0 - 150	127038979
Decachlorobiphenyl	1147608	Blank	0.0608	0.100	mg/L	60.8	10.0 - 150	127038971
Decachlorobiphenyl	1147608	LCS	0.0945	0.100	mg/L	94.5	10.0 - 150	127038972
Decachlorobiphenyl	1147608	LCS Dup	0.0713	0.100	mg/L	71.3	10.0 - 150	127038973
Tetrachloro-m-Xylene (Surr)	1147608	Blank	0.0443	0.100	mg/L	44.3	10.0 - 150	127038971
Tetrachloro-m-Xylene (Surr)	1147608	LCS	0.058	0.100	mg/L	58.0	10.0 - 150	127038972
Tetrachloro-m-Xylene (Surr)	1147608	LCS Dup	0.0727	0.100	mg/L	72.7	10.0 - 150	127038973
Decachlorobiphenyl	2352170	MS	0.00384	0.005	mg/L	76.8	10.0 - 150	127038976
Tetrachloro-m-Xylene (Surr)	2352170	MS	0.00305	0.005	mg/L	61.0	10.0 - 150	127038976
Decachlorobiphenyl	2353307	Unknown	0.00319	0.005	mg/L	63.8	10.0 - 150	127038980
Tetrachloro-m-Xylene (Surr)	2353307	Unknown	0.00288	0.005	mg/L	57.6	10.0 - 150	127038980

Analytical Set 1148775 — EPA 8270C

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
TCLP 2,4,5-Trichlorophenol	1147255	ND	0.000734	0.001	mg/L	127046117
TCLP 2,4,6-Trichlorophenol	1147255	ND	0.000704	0.001	mg/L	127046117
TCLP 2,4-Dinitrotoluene	1147255	ND	0.00335	0.0035	mg/L	127046117
TCLP 2-Methylphenol (o-Cresol)	1147255	ND	0.00513	0.0052	mg/L	127046117
TCLP 3&4-Methylphenol (m&p-Creso	1147255	ND	0.00615	0.0062	mg/L	127046117
TCLP Hexachlorobenzene	1147255	ND	0.000187	0.001	mg/L	127046117
TCLP Hexachlorobutadiene	1147255	ND	0.000618	0.001	mg/L	127046117
TCLP Hexachloroethane	1147255	ND	0.000789	0.001	mg/L	127046117
TCLP Nitrobenzene	1147255	ND	0.00039	0.001	mg/L	127046117
TCLP Pentachlorophenol	1147255	0.00094	0.000129	0.001	mg/L	127046117
TCLP Pyridine (Reg. Limit 5)	1147255	ND	0.00533	0.0054	mg/L	127046117
TCLP 2,4,5-Trichlorophenol	1147750	ND	0.000734	0.001	mg/L	127046114
TCLP 2,4,6-Trichlorophenol	1147750	ND	0.000704	0.001	mg/L	127046114
TCLP 2,4-Dinitrotoluene	1147750	ND	0.00335	0.0035	mg/L	127046114
TCLP 2-Methylphenol (o-Cresol)	1147750	ND	0.00513	0.0052	mg/L	127046114
TCLP 3&4-Methylphenol (m&p-Creso	1147750	ND	0.00615	0.0062	mg/L	127046114
TCLP Hexachlorobenzene	1147750	ND	0.000187	0.001	mg/L	127046114
TCLP Hexachlorobutadiene	1147750	ND	0.000618	0.001	mg/L	127046114
TCLP Hexachloroethane	1147750	ND	0.000789	0.001	mg/L	127046114
TCLP Nitrobenzene	1147750	ND	0.00039	0.001	mg/L	127046114
TCLP Pentachlorophenol	1147750	0.00095	0.000129	0.001	mg/L	127046114
TCLP Pyridine (Reg. Limit 5)	1147750	ND	0.00533	0.0054	mg/L	127046114

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
TCLP 2,4,5-Trichlorophenol	54.2	50.0	mg/L	108	70.0 - 130	127046112
TCLP 2,4,6-Trichlorophenol	51.4	50.0	mg/L	103	70.0 - 130	127046112
TCLP 2,4-Dinitrotoluene	53.6	50.0	mg/L	107	70.0 - 130	127046112

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Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
TCLP 2-Methylphenol (o-Cresol)	50.9	50.0	mg/L	102	70.0 - 130	127046112
TCLP 3&4-Methylphenol (m&p-Creso	52.0	50.0	mg/L	104	70.0 - 130	127046112
TCLP Hexachlorobenzene	48.2	50.0	mg/L	96.5	70.0 - 130	127046112
TCLP Hexachlorobutadiene	48.8	50.0	mg/L	97.6	70.0 - 130	127046112
TCLP Hexachloroethane	50.9	50.0	mg/L	102	70.0 - 130	127046112
TCLP Nitrobenzene	48.7	50.0	mg/L	97.4	70.0 - 130	127046112
TCLP Pentachlorophenol	46.2	50.0	mg/L	92.5	70.0 - 130	127046112
TCLP Pyridine (Reg. Limit 5)	49.7	50.0	mg/L	99.5	70.0 - 130	127046112

DFTPP

Parameter		*RefMass*	*Reading*	*%*	*Limits%*	*File*
DFTPP Mass 127	628072	198	19720	56.1	40.0 - 60.0	127046111
DFTPP Mass 197	628072	198	126	0.4	0 - 1.00	127046111
DFTPP Mass 198	628072	198	35168	100.0	100 - 100	127046111
DFTPP Mass 199	628072	198	2391	6.8	5.00 - 9.00	127046111
DFTPP Mass 275	628072	198	9297	26.4	10.0 - 30.0	127046111
DFTPP Mass 365	628072	198	1883	5.4	1.00 - 100	127046111
DFTPP Mass 441	628072	443	4235	81.2	0 - 100	127046111
DFTPP Mass 442	628072	198	27354	77.8	40.0 - 100	127046111
DFTPP Mass 443	628072	442	5213	19.1	17.0 - 23.0	127046111
DFTPP Mass 51	628072	198	16713	47.5	30.0 - 60.0	127046111
DFTPP Mass 68	628072	69.0	0	0.0	0 - 2.00	127046111
DFTPP Mass 69	628072	198	18163	51.6	0 - 100	127046111
DFTPP Mass 70	628072	69.0	88	0.5	0 - 2.00	127046111

IS Areas

Parameter	*Sample*	*Type*	*Reading*	*CCVISM*	*Low*	*High*	*File*	*PrepSet*
1,4-Dichlorobenzene-d4-ISTD	627857	CCV	75420	75420	37710	113100	127046112	627857
Acenaphthene-d10-ISTD	627857	CCV	212600	212600	106300	318900	127046112	627857
Naphthalene-d8-ISTD	627857	CCV	321400	321400	160700	482000	127046112	627857
Phenanthrene-d10-ISTD	627857	CCV	405200	405200	202600	607700	127046112	627857
1,4-Dichlorobenzene-d4-ISTD	1147255	Blank	66840	75420	37710	113100	127046117	1147255
Acenaphthene-d10-ISTD	1147255	Blank	155000	212600	106300	318900	127046117	1147255
Naphthalene-d8-ISTD	1147255	Blank	264600	321400	160700	482000	127046117	1147255
Phenanthrene-d10-ISTD	1147255	Blank	269000	405200	202600	607700	127046117	1147255
1,4-Dichlorobenzene-d4-ISTD	1147750	Blank	58270	75420	37710	113100	127046114	1147750
1,4-Dichlorobenzene-d4-ISTD	1147750	LCS	66770	75420	37710	113100	127046115	1147750
1,4-Dichlorobenzene-d4-ISTD	1147750	LCS Dup	50620	75420	37710	113100	127046116	1147750
Acenaphthene-d10-ISTD	1147750	Blank	134600	212600	106300	318900	127046114	1147750
Acenaphthene-d10-ISTD	1147750	LCS	163300	212600	106300	318900	127046115	1147750
Acenaphthene-d10-ISTD	1147750	LCS Dup	121800	212600	106300	318900	127046116	1147750
Naphthalene-d8-ISTD	1147750	Blank	229700	321400	160700	482000	127046114	1147750
Naphthalene-d8-ISTD	1147750	LCS	274400	321400	160700	482000	127046115	1147750
Naphthalene-d8-ISTD	1147750	LCS Dup	201500	321400	160700	482000	127046116	1147750
Phenanthrene-d10-ISTD	1147750	Blank	233800	405200	202600	607700	127046114	1147750

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Public Utilities Board
Jose A Garza
W.T.P. Plant #1
P.O. Box 3270
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IS Areas

Parameter	*Sample*	*Type*	*Reading*	*CCVISM*	*Low*	*High*	*File*	*PrepSet*
Phenanthrene-d10-ISTD	1147750	LCS	292800	405200	202600	607700	127046115	1147750
Phenanthrene-d10-ISTD	1147750	LCS Dup	226100	405200	202600	607700	127046116	1147750
1,4-Dichlorobenzene-d4-ISTD	2353307	Unknown	54150	75420	37710	113100	127046119	1147750
1,4-Dichlorobenzene-d4-ISTD	2353307	MS	53420	75420	37710	113100	127046120	1147750
Acenaphthene-d10-ISTD	2353307	Unknown	128200	212600	106300	318900	127046119	1147750
Acenaphthene-d10-ISTD	2353307	MS	128600	212600	106300	318900	127046120	1147750
Naphthalene-d8-ISTD	2353307	Unknown	216900	321400	160700	482000	127046119	1147750
Naphthalene-d8-ISTD	2353307	MS	212800	321400	160700	482000	127046120	1147750
Phenanthrene-d10-ISTD	2353307	Unknown	233400	405200	202600	607700	127046119	1147750
Phenanthrene-d10-ISTD	2353307	MS	230700	405200	202600	607700	127046120	1147750

IS RetTime

Parameter	*Sample*	*Type*	*Reading*	*CCVISM*	*Low*	*High*	*File*	*PrepSet*
1,4-Dichlorobenzene-d4-ISTD	627857	CCV	6.630	6.630	6.570	6.690	127046112	627857
Acenaphthene-d10-ISTD	627857	CCV	12.60	12.60	12.54	12.66	127046112	627857
Naphthalene-d8-ISTD	627857	CCV	8.800	8.800	8.740	8.860	127046112	627857
Phenanthrene-d10-ISTD	627857	CCV	15.73	15.73	15.67	15.79	127046112	627857
1,4-Dichlorobenzene-d4-ISTD	1147255	Blank	6.630	6.630	6.570	6.690	127046117	1147255
Acenaphthene-d10-ISTD	1147255	Blank	12.58	12.60	12.54	12.66	127046117	1147255
Naphthalene-d8-ISTD	1147255	Blank	8.790	8.800	8.740	8.860	127046117	1147255
Phenanthrene-d10-ISTD	1147255	Blank	15.72	15.73	15.67	15.79	127046117	1147255
1,4-Dichlorobenzene-d4-ISTD	1147750	Blank	6.630	6.630	6.570	6.690	127046114	1147750
1,4-Dichlorobenzene-d4-ISTD	1147750	LCS	6.620	6.630	6.570	6.690	127046115	1147750
1,4-Dichlorobenzene-d4-ISTD	1147750	LCS Dup	6.630	6.630	6.570	6.690	127046116	1147750
Acenaphthene-d10-ISTD	1147750	Blank	12.58	12.60	12.54	12.66	127046114	1147750
Acenaphthene-d10-ISTD	1147750	LCS	12.59	12.60	12.54	12.66	127046115	1147750
Acenaphthene-d10-ISTD	1147750	LCS Dup	12.58	12.60	12.54	12.66	127046116	1147750
Naphthalene-d8-ISTD	1147750	Blank	8.790	8.800	8.740	8.860	127046114	1147750
Naphthalene-d8-ISTD	1147750	LCS	8.800	8.800	8.740	8.860	127046115	1147750
Naphthalene-d8-ISTD	1147750	LCS Dup	8.790	8.800	8.740	8.860	127046116	1147750
Phenanthrene-d10-ISTD	1147750	Blank	15.72	15.73	15.67	15.79	127046114	1147750
Phenanthrene-d10-ISTD	1147750	LCS	15.72	15.73	15.67	15.79	127046115	1147750
Phenanthrene-d10-ISTD	1147750	LCS Dup	15.72	15.73	15.67	15.79	127046116	1147750
1,4-Dichlorobenzene-d4-ISTD	2353307	Unknown	6.620	6.630	6.570	6.690	127046119	1147750
1,4-Dichlorobenzene-d4-ISTD	2353307	MS	6.620	6.630	6.570	6.690	127046120	1147750
Acenaphthene-d10-ISTD	2353307	Unknown	12.58	12.60	12.54	12.66	127046119	1147750
Acenaphthene-d10-ISTD	2353307	MS	12.58	12.60	12.54	12.66	127046120	1147750
Naphthalene-d8-ISTD	2353307	Unknown	8.790	8.800	8.740	8.860	127046119	1147750
Naphthalene-d8-ISTD	2353307	MS	8.790	8.800	8.740	8.860	127046120	1147750
Phenanthrene-d10-ISTD	2353307	Unknown	15.71	15.73	15.67	15.79	127046119	1147750
Phenanthrene-d10-ISTD	2353307	MS	15.71	15.73	15.67	15.79	127046120	1147750

LCS Dup

Parameter	*PrepSet*	*LCS*	*LCSD*	*Known*	*Limits%*	*LCS%*	*LCSD%*	*Units*	*RPD*	*Limit%*
TCLP 2,4,5-Trichlorophenol	1147750	0.020	0.020	0.025	39.3 - 111	80.0	80.0	mg/L	0	30.0

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QUALITY CONTROL

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
TCLP 2,4,6-Trichlorophenol	1147750	0.0187	0.0194	0.025	38.2 - 109	74.8	77.6	mg/L	3.67	30.0
TCLP 2,4-Dinitrotoluene	1147750	0.0211	0.0211	0.025	36.3 - 132	84.4	84.4	mg/L	0	30.0
TCLP 2-Methylphenol (o-Cresol)	1147750	0.0147	0.0138	0.025	23.0 - 87.8	58.8	55.2	mg/L	6.32	30.0
TCLP 3&4-Methylphenol (m&p-Creso	1147750	0.0135	0.012	0.025	14.9 - 92.5	54.0	48.0	mg/L	11.8	30.0
TCLP Hexachlorobenzene	1147750	0.0204	0.0203	0.025	44.4 - 117	81.6	81.2	mg/L	0.491	30.0
TCLP Hexachlorobutadiene	1147750	0.00961	0.00956	0.025	17.2 - 88.9	38.4	38.2	mg/L	0.522	30.0
TCLP Hexachloroethane	1147750	0.00879	0.00947	0.025	14.6 - 88.8	35.2	37.9	mg/L	7.39	30.0
TCLP Nitrobenzene	1147750	0.0178	0.0184	0.025	34.3 - 113	71.2	73.6	mg/L	3.31	30.0
TCLP Pentachlorophenol	1147750	0.017	0.0172	0.025	15.7 - 129	68.0	68.8	mg/L	1.17	30.0
TCLP Pyridine (Reg. Limit 5)	1147750	0.00723	0.00706	0.025	0.0753 - 83.4	28.9	28.2	mg/L	2.45	30.0

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
TCLP 2,4,5-Trichlorophenol	2353307	0.216	0	0.0094	0.250	33.7 - 116	82.6		mg/L		30.0
TCLP 2,4,6-Trichlorophenol	2353307	0.199	0	0.0094	0.250	20.1 - 131	75.8		mg/L		30.0
TCLP 2,4-Dinitrotoluene	2353307	0.229	0	0.0094	0.250	31.8 - 135	87.8		mg/L		30.0
TCLP 2-Methylphenol (o-Cresol)	2353307	0.149	0	0.0094	0.250	10.6 - 106	55.8		mg/L		30.0
TCLP 3&4-Methylphenol (m&p-Creso	2353307	0.134	0	0.0094	0.250	0.100 - 149	49.8		mg/L		30.0
TCLP Hexachlorobenzene	2353307	0.213	0	0.0094	0.250	35.9 - 125	81.4		mg/L		30.0
TCLP Hexachlorobutadiene	2353307	0.115	0	0.0094	0.250	11.1 - 88.5	42.2		mg/L		30.0
TCLP Hexachloroethane	2353307	0.116	0	0.0094	0.250	8.41 - 88.1	42.6		mg/L		30.0
TCLP Nitrobenzene	2353307	0.202	0	0.0094	0.250	28.7 - 119	77.0		mg/L		30.0
TCLP Pentachlorophenol	2353307	0.192	0	0.0094	0.250	8.33 - 141	73.0		mg/L		30.0
TCLP Pyridine (Reg. Limit 5)	2353307	0.049	0	0.0094	0.250	0.100 - 97.2	15.8		mg/L		30.0

SPCC

Parameter	Sample	RF	Minimum	File
TCLP 2,4-Dinitrophenol	627857	52.3	0.050	127046112
TCLP 4-Nitrophenol	627857	51.0	0.050	127046112
TCLP Hexachlorocyclopentadiene	627857	49.0	0.050	127046112
TCLP N-Nitroso-n-propylamine	627857	52.5	0.050	127046112

Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4,6-Tribromophenol	627857	CCV	50.9	100	mg/L	50.9	9.79 - 123	127046112
2-Fluorobiphenyl-SURR	627857	CCV	47.3	50.0	mg/L	94.6	0.100 - 131	127046112
2-Fluorophenol-SURR	627857	CCV	48.8	100	mg/L	48.8	5.36 - 80.2	127046112
4-Terphenyl-d14-SURR	627857	CCV	61.4	50.0	mg/L	123	0.100 - 137	127046112
Nitrobenzene-d5-SURR	627857	CCV	48.3	50.0	mg/L	96.6	0.100 - 131	127046112
Phenol-d6-SURR	627857	CCV	50.5	100	mg/L	50.5	0.100 - 66.5	127046112
2,4,6-Tribromophenol	1147255	Blank	2.22	3.33	mg/L	66.7	9.79 - 123	127046117
2-Fluorobiphenyl-SURR	1147255	Blank	32.0	50.0	mg/L	64.0	0.100 - 131	127046117
2-Fluorophenol-SURR	1147255	Blank	36.1	100	mg/L	36.1	5.36 - 80.2	127046117
4-Terphenyl-d14-SURR	1147255	Blank	44.5	50.0	mg/L	89.0	0.100 - 137	127046117
Nitrobenzene-d5-SURR	1147255	Blank	32.8	50.0	mg/L	65.6	0.100 - 131	127046117
Phenol-d6-SURR	1147255	Blank	26.3	100	mg/L	26.3	0.100 - 66.5	127046117

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Surrogate

Parameter	Sample	Type	Reading	Known	Units	Recover%	Limits%	File
2,4,6-Tribromophenol	1147750	Blank	1.72	3.33	mg/L	51.7	9.79 - 123	127046114
2,4,6-Tribromophenol	1147750	LCS	2.50	3.33	mg/L	75.1	9.79 - 123	127046115
2,4,6-Tribromophenol	1147750	LCS Dup	2.56	3.33	mg/L	76.9	9.79 - 123	127046116
2-Fluorobiphenyl-SURR	1147750	Blank	25.8	50.0	mg/L	51.6	0.100 - 131	127046114
2-Fluorobiphenyl-SURR	1147750	LCS	32.1	50.0	mg/L	64.2	0.100 - 131	127046115
2-Fluorobiphenyl-SURR	1147750	LCS Dup	32.6	50.0	mg/L	65.2	0.100 - 131	127046116
2-Fluorophenol-SURR	1147750	Blank	30.9	100	mg/L	30.9	5.36 - 80.2	127046114
2-Fluorophenol-SURR	1147750	LCS	40.9	100	mg/L	40.9	5.36 - 80.2	127046115
2-Fluorophenol-SURR	1147750	LCS Dup	43.4	100	mg/L	43.4	5.36 - 80.2	127046116
4-Terphenyl-d14-SURR	1147750	Blank	35.8	50.0	mg/L	71.6	0.100 - 137	127046114
4-Terphenyl-d14-SURR	1147750	LCS	44.7	50.0	mg/L	89.4	0.100 - 137	127046115
4-Terphenyl-d14-SURR	1147750	LCS Dup	42.6	50.0	mg/L	85.2	0.100 - 137	127046116
Nitrobenzene-d5-SURR	1147750	Blank	26.4	50.0	mg/L	52.8	0.100 - 131	127046114
Nitrobenzene-d5-SURR	1147750	LCS	33.5	50.0	mg/L	67.0	0.100 - 131	127046115
Nitrobenzene-d5-SURR	1147750	LCS Dup	35.7	50.0	mg/L	71.4	0.100 - 131	127046116
Phenol-d6-SURR	1147750	Blank	21.2	100	mg/L	21.2	0.100 - 66.5	127046114
Phenol-d6-SURR	1147750	LCS	29.1	100	mg/L	29.1	0.100 - 66.5	127046115
Phenol-d6-SURR	1147750	LCS Dup	28.0	100	mg/L	28.0	0.100 - 66.5	127046116
2,4,6-Tribromophenol	2353307	Unknown	0.610	1.00	mg/L	61.0	9.79 - 123	127046119
2,4,6-Tribromophenol	2353307	MS	0.782	1.00	mg/L	78.2	9.79 - 123	127046120
2-Fluorobiphenyl-SURR	2353307	Unknown	0.306	0.500	mg/L	61.2	0.100 - 131	127046119
2-Fluorobiphenyl-SURR	2353307	MS	0.345	0.500	mg/L	69.0	0.100 - 131	127046120
2-Fluorophenol-SURR	2353307	Unknown	0.353	1.00	mg/L	35.3	5.36 - 80.2	127046119
2-Fluorophenol-SURR	2353307	MS	0.448	1.00	mg/L	44.8	5.36 - 80.2	127046120
4-Terphenyl-d14-SURR	2353307	Unknown	0.353	0.500	mg/L	70.6	0.100 - 137	127046119
4-Terphenyl-d14-SURR	2353307	MS	0.499	0.500	mg/L	99.8	0.100 - 137	127046120
Nitrobenzene-d5-SURR	2353307	Unknown	0.319	0.500	mg/L	63.8	0.100 - 131	127046119
Nitrobenzene-d5-SURR	2353307	MS	0.370	0.500	mg/L	74.0	0.100 - 131	127046120
Phenol-d6-SURR	2353307	Unknown	0.264	1.00	mg/L	26.4	0.100 - 66.5	127046119
Phenol-d6-SURR	2353307	MS	0.318	1.00	mg/L	31.8	0.100 - 66.5	127046120

Analytical Set 1147247 — EPA 9095B

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Paint Filter Test	2353307	PASS	PASS			20

* Out RPD is Relative Percent Difference: abs(r1-r2) / mean(r1,r2) * 100%

Recover% is Recovery Percent: result / known * 100%

QUALITY CONTROL

PUBC-R

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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.); BFB - Bromofluorobenzene, GC/MS Tuning Compound (mass intensity used as tuning acceptance criteria.); 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.); IS Areas - Internal Standard Area (The area of the internal stadard relative to a check standard. Internal Standard is a known concentration of an analyte(s) that is not a sample component or standard that is added to the sample and standard and is used to measure the relative responses of other analytes in the same sample or standard.); IS RetTime - Internal Standard Retention Time (the time the internal standard comes off the column. Internal Stardard is a known concentration of an analyte(s) that is not a sample component or standard that is added to the sample and standard and is used to measure the relative responses of other analytes in the same sample or standard.); ICV - Initial Calibration Verification; LDR - Linear Dynamic Range Standard; MS - Matrix Spike (same solution and amount of target analyte added to the LCS is added to a second aliquot of sample; quantifies matrix bias.); DFTPP - GC/MS Tuning Compound

1124861 CoC Print Group 001 of 001

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SPL
The Science of Sure

CHAIN OF CUSTODY

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Brownsville, TX 78520-

PUB6 -R
148

Lab Number 2353307
PO Number P2302002
Phone 956/983-6511

WTP # 1 / Sludge

Composite Sample

☐ *Hand Delivered by Client to Region or LAB*

Composite sample prepared by mixing 10 simple samples collected at different points.
JMZ
Matrix: Solid & Chemical Materials

Sample Collection Start
Date: 11-8-24 Time: 9:30
Sampler Printed Name: Frank Gamez III / R. De Leon
Sampler Affiliation: SPL
Sampler Signature:

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

2 Glass Qt w/Teflon lined lid

NELAC	***Ag***	TCLP Silver	EPA 6010C CAS:7440-22-4 (14.0 days)
NELAC	***As***	TCLP Arsenic	EPA 6010C CAS:7440-38-2 (14.0 days)
NELAC	***Ba***	TCLP Barium	EPA 6010C CAS:7440-39-3 (14.0 days)
NELAC	***Cd***	TCLP Cadmium	EPA 6010C CAS:7440-43-9 (14.0 days)
NELAC	***Cr***	TCLP Chromium	EPA 6010C CAS:7440-47-3 (14.0 days)
NELAC	***Hg***	TCLP Mercury	EPA 7470 A CAS:7439-97-6 (14.0 days)
NELAC	***Pb***	TCLP Lead	EPA 6010C CAS:7439-92-1 (14.0 days)
NELAC	***Se***	TCLP Selenium	EPA 6010C CAS:7782-49-2 (14.0 days)
NELAC	***TCL***	TCLP Extraction Non-Volatile	EPA 1311 (14.0 days)
NELAC	**TABN**	MS TCLP Semivolatile Analysis	EPA 8270C (7.00 days)
NELAC	**TG50**	GC TCLP Herbicide	EPA 8151 (7.00 days)
NELAC	**TG80**	GC TCLP Pesticide	EPA 8081A (7.00 days)
NELAC	**TVOA**	MS TCLP Volatile Analysis	EPA 8260B (14.0 days)
NELAC	**TVOX**	TCLP Extraction ZHE Volatiles	EPA 1311ZHE (14.0 days)

1 Glass 4 oz w/Teflon lined lid

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Public Utilities Board
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Brownsville, TX 78520-

PUB6 -R
148

NELAC	**!TPH**	Texas1005 TPH Expansion - C36	TX Method 1005 (7.00 days)
NELAC	**PFT**	Paint Filter Test	EPA 9095B (180 days)
NELAC	**TS%**	Total Solids for Dry Wt Conversi	SM2540 G-1997 /MOD

0 **Z -- No bottle required**

ARDW	As Received to Dry Weight Basis	Calculation

1 **5035 Sampling Kit/w/stirbar**

NELAC	**$BTS**	BTEX Solid Samples by GC/MS	EPA 8260B (14.0 days)

Ambient Conditions/Comments

Date	Time	Relinquished	Received
11/08/24	12:30	*Printed Name* DE LEON *Affiliation* SPL *Signature*	*Printed Name* FedEx *Affiliation* *Signature*
11-4-24	9:40	*Printed Name* *Affiliation* *Signature*	*Printed Name* Andy Owens - SPL, Inc. *Affiliation* *Signature*
		Printed Name *Affiliation* *Signature*	*Printed Name* *Affiliation* *Signature*
		Printed Name *Affiliation* *Signature*	*Printed Name* *Affiliation* *Signature*

Sample Received on Ice? ☒ Yes ☐ No
Cooler/Sample Secure? ☒ Yes ☐ No If Shipped: Tracking Number & Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, SPL shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #000323.

Comments