

February 07, 2011

Ms. Jennifer Stirk Volusia County Solid Waste Management 1990 Tomoka Farms Road Port Orange, FL 32128

RE: Project: Tomoka Remediation

Pace Project No.: 3525886

Dear Ms. Stirk:

Enclosed are the analytical results for sample(s) received by the laboratory on February 04, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Baylor

jeff.baylor@pacelabs.com Project Manager

Jeff Baylor

Enclosures

cc: Ms. Lynne McDaniel, HDR Engineering, Inc.



REPORT OF LABORATORY ANALYSIS



Pace Analytical Services, Inc.

8 East Tower Circle Ormond Beach, FL 32174 (386)672-5668

CERTIFICATIONS

Project: Tomoka Remediation

Pace Project No.: 3525886

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174

Alabama Certification #: 41320 Arizona Certification #: AZ0735

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH 0216 Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity Hawaii Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383 Kentucky Certification #: 90050

Louisiana Certification #: LA090012 Louisiana Environmental Certificate #: 05007

Maine Certification #: FL1264

Massachusetts Certification #: M-FL1264

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Montana Certification #: Cert 0074 Nevada Certification: FL NELAC Reciprocity

New Hampshire Certification #: 2958

New Jersey Certification #: FL765 New York Certification #: 11608

North Carolina Environmental Certificate #: 667 North Carolina Certification #: 12710

Pennsylvania Certification #: 12/10
Pennsylvania Certification #: 68-547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity

Virginia Certification #: 00432

Wyoming Certification: FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: Tomoka Remediation

Pace Project No.: 3525886

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3525886001	EQ Blank	Water	02/03/11 09:55	02/04/11 07:15
3525886002	B40-2	Water	02/03/11 10:33	02/04/11 07:15
3525886003	B41-1	Water	02/03/11 11:20	02/04/11 07:15
3525886004	B-1B	Water	02/03/11 12:09	02/04/11 07:15
3525886005	M05-B	Water	02/03/11 13:05	02/04/11 07:15
3525886006	B35-2	Water	02/03/11 14:37	02/04/11 07:15
3525886007	B33-2	Water	02/03/11 15:18	02/04/11 07:15
3525886008	B43-1	Water	02/03/11 16:22	02/04/11 07:15





SAMPLE ANALYTE COUNT

Project: Tomoka Remediation

Pace Project No.: 3525886

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3525886001	EQ Blank	EPA 350.1	AMD	1	PASI-O
3525886002	B40-2		JSB	6	PASI-O
		EPA 350.1	AMD	1	PASI-O
3525886003	B41-1		JSB	6	PASI-O
		EPA 350.1	AMD	1	PASI-O
3525886004	B-1B		JSB	6	PASI-O
		EPA 350.1	AMD	1	PASI-O
3525886005	M05-B		JSB	6	PASI-O
		EPA 350.1	AMD	1	PASI-O
3525886006	B35-2		JSB	6	PASI-O
		EPA 350.1	AMD	1	PASI-O
3525886007	B33-2		JSB	6	PASI-O
		EPA 350.1	AMD	1	PASI-O
3525886008	B43-1		JSB	6	PASI-O
		EPA 350.1	AMD	1	PASI-O







PROJECT NARRATIVE

Project: Tomoka Remediation

Pace Project No.: 3525886

Method:

Description: Field Data

Client: Volusia County Solid Waste Management

Date: February 07, 2011

General Information:

7 samples were analyzed for . All samples were received in acceptable condition with any exceptions noted below.

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:









PROJECT NARRATIVE

Project: Tomoka Remediation

Pace Project No.: 3525886

Method: EPA 350.1
Description: 350.1 Ammonia

Client: Volusia County Solid Waste Management

Date: February 07, 2011

General Information:

8 samples were analyzed for EPA 350.1. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.







Project: Tomoka Remediation

Pace Project No.: 3525886

Sample: EQ Blank Lab ID: 3525886001 Collected: 02/03/11 09:55 Received: 02/04/11 07:15 Matrix: Water

Parameters Results Units PQL MDL DF Prepared Analyzed CAS No. Qual

350.1 Ammonia Analytical Method: EPA 350.1

Nitrogen, Ammonia **0.034 I** mg/L 0.050 0.020 1 02/07/11 12:51 7664-41-7

Date: 02/07/2011 06:13 PM

REPORT OF LABORATORY ANALYSIS



02/07/11 12:53 7664-41-7



ANALYTICAL RESULTS

Project: Tomoka Remediation

Pace Project No.: 3525886

350.1 AmmoniaNitrogen, Ammonia

Sample: B40-2	Lab ID:	Lab ID: 3525886002			1 10:33	Received: 02/04/11 07:15 Matrix: Water				
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
Field Data	Analytica	l Method:								
Field pH	5.76	Std. Units			1		02/04/11 13:54			
Field Temperature	21.24	deg C			1		02/04/11 13:54			
Field Specific Conductance	557	umhos/cm			1		02/04/11 13:54			
Oxygen, Dissolved	1.58	mg/L			1		02/04/11 13:54	7782-44-7		
REDOX	38.8	mV			1		02/04/11 13:54			
Turbidity	36	NTU			1		02/04/11 13:54			

0.050

0.020

Analytical Method: EPA 350.1

0.89 mg/L

Date: 02/07/2011 06:13 PM

REPORT OF LABORATORY ANALYSIS

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Project: Tomoka Remediation

Pace Project No.: 3525886

 Sample:
 B41-1
 Lab ID:
 3525886003
 Collected:
 02/03/11 11:20
 Received:
 02/04/11 07:15
 Matrix:
 Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytica	l Method:							
Field pH	6.35	Std. Units			1		02/04/11 13:57		
Field Temperature	22.40	deg C			1		02/04/11 13:57		
Field Specific Conductance	2215 (umhos/cm			1		02/04/11 13:57		
Oxygen, Dissolved	0.16	mg/L			1		02/04/11 13:57	7782-44-7	
REDOX	-77.2	mV			1		02/04/11 13:57		
Turbidity	2.5	NTU			1		02/04/11 13:57		
350.1 Ammonia	Analytica	l Method: EPA	350.1						
Nitrogen, Ammonia	68.3	mg/L	0.50	0.20	10		02/07/11 14:11	7664-41-7	

Date: 02/07/2011 06:13 PM

REPORT OF LABORATORY ANALYSIS

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Project: Tomoka Remediation

Pace Project No.: 3525886

Sample: B-1B Lab ID: 3525886004 Collected: 02/03/11 12:09 Received: 02/04/11 07:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytica	Method:							
Field pH	6.26	Std. Units			1		02/04/11 13:58		
Field Temperature	22.45 (deg C			1		02/04/11 13:58		
Field Specific Conductance	1844 ເ	umhos/cm			1		02/04/11 13:58		
Oxygen, Dissolved	0.14 r	ng/L			1		02/04/11 13:58	7782-44-7	
REDOX	-60.6 r	nV			1		02/04/11 13:58		
Turbidity	1.8 1	NTU			1		02/04/11 13:58		
350.1 Ammonia	Analytica	Method: EPA	350.1						
Nitrogen, Ammonia	11.9 r	ng/L	0.050	0.020	1		02/07/11 12:55	7664-41-7	

Date: 02/07/2011 06:13 PM

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Project: Tomoka Remediation

Pace Project No.: 3525886

 Sample:
 M05-B
 Lab ID:
 3525886005
 Collected:
 02/03/11 13:05
 Received:
 02/04/11 07:15
 Matrix:
 Water

Parameters	Results Units		PQL	MDL	DF Prepared		Analyzed	CAS No.	Qual
Field Data	Analytica	l Method:							
Field pH	6.14	Std. Units			1		02/04/11 13:59		
Field Temperature	22.46 (deg C			1		02/04/11 13:59		
Field Specific Conductance	1632 (umhos/cm			1		02/04/11 13:59		
Oxygen, Dissolved	0.20 r	mg/L			1		02/04/11 13:59	7782-44-7	
REDOX	-14.3 r	mV			1		02/04/11 13:59		
Turbidity	4.0	NTU			1		02/04/11 13:59		
350.1 Ammonia	Analytica	l Method: EPA	350.1						
Nitrogen, Ammonia	1.5 r	mg/L	0.050	0.020	1		02/07/11 12:57	7664-41-7	

Date: 02/07/2011 06:13 PM

REPORT OF LABORATORY ANALYSIS

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Project: Tomoka Remediation

Pace Project No.: 3525886

Turbidity

Sample: B35-2	Lab ID: 352	25886006	Collecte	ed: 02/03/1	1 14:37	Received: 02/04/11 07:15 Matrix: Water					
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual		
Field Data	Analytical Me	thod:									
Field pH	5.96 Std. U	Units			1		02/04/11 14:01				
Field Temperature	19.05 deg (С			1		02/04/11 14:01				
Field Specific Conductance	438 umho	os/cm			1		02/04/11 14:01				
Oxygen, Dissolved	0.17 mg/L	_			1		02/04/11 14:01	7782-44-7			
REDOX	96.5 mV				1		02/04/11 14:01				

1

02/04/11 14:01

350.1 Ammonia Analytical Method: EPA 350.1

9.9 NTU

Nitrogen, Ammonia **2.2** mg/L 0.050 0.020 1 02/07/11 13:01 7664-41-7

Date: 02/07/2011 06:13 PM

REPORT OF LABORATORY ANALYSIS

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02/04/11 14:02 7782-44-7

02/04/11 14:02

02/04/11 14:02



ANALYTICAL RESULTS

Project: Tomoka Remediation

Pace Project No.: 3525886

Sample: B33-2

Oxygen, Dissolved

REDOX

Turbidity

P									
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytica	l Method:							
Field pH	6.80	Std. Units			1		02/04/11 14:02		
Field Temperature	19.60 (deg C			1		02/04/11 14:02		
Field Specific Conductance	1629 ເ	umhos/cm			1		02/04/11 14:02		

1

1

Collected: 02/03/11 15:18 Received: 02/04/11 07:15 Matrix: Water

350.1 Ammonia Analytical Method: EPA 350.1

Lab ID: 3525886007

2.50 mg/L

90 NTU

-13.8 mV

Nitrogen, Ammonia **0.13** mg/L 0.050 0.020 1 02/07/11 13:03 7664-41-7

Date: 02/07/2011 06:13 PM

REPORT OF LABORATORY ANALYSIS

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Project: Tomoka Remediation

Pace Project No.: 3525886

Sample: B43-1 Lab ID: 3525886008 Collected: 02/03/11 16:22 Received: 02/04/11 07:15 Matrix: Water

Parameters	Results	Units	PQL	MDL DF		Prepared	Prepared Analyzed		Qual
Field Data	Analytical	Method:							
Field pH	6.20	Std. Units			1		02/04/11 14:03		
Field Temperature	21.48 d	leg C			1		02/04/11 14:03		
Field Specific Conductance	742 (ımhos/cm			1		02/04/11 14:03		
Oxygen, Dissolved	0.19 r	ng/L			1		02/04/11 14:03	7782-44-7	
REDOX	-16.2 r	nV			1		02/04/11 14:03		
Turbidity	9.3 1	NTU			1		02/04/11 14:03		
350.1 Ammonia	Analytical	Method: EPA	350.1						
Nitrogen, Ammonia	2.6 r	ng/L	0.050	0.020	1		02/07/11 13:04	7664-41-7	

Date: 02/07/2011 06:13 PM





QUALITY CONTROL DATA

Project: Tomoka Remediation

Pace Project No.: 3525886

QC Batch: WETA/8519 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia

Associated Lab Samples: 3525886001, 3525886002, 3525886003, 3525886004, 3525886005, 3525886006, 3525886007, 3525886008

METHOD BLANK: 167964 Matrix: Water

Associated Lab Samples: 3525886001, 3525886002, 3525886003, 3525886004, 3525886005, 3525886006, 3525886007, 3525886008

Blank Reporting

ParameterUnitsResultLimitAnalyzedQualifiersNitrogen, Ammoniamg/L0.020U0.05002/07/11 12:28

LABORATORY CONTROL SAMPLE: 167965

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Nitrogen, Ammonia mg/L 1.0 101 90-110

MATRIX SPIKE SAMPLE: 167967

3525847001 Spike MS MS % Rec Parameter Units Result Conc. Result % Rec Limits Qualifiers 0.020U 1 1.0 100 90-110 Nitrogen, Ammonia mg/L

SAMPLE DUPLICATE: 167966

Parameter Units Result Result RPD ARPD Qualifiers

Nitrogen, Ammonia mg/L 0.020U 0.020U 20

Date: 02/07/2011 06:13 PM







QUALIFIERS

Project: Tomoka Remediation

Pace Project No.: 3525886

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

Date: 02/07/2011 06:13 PM

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

nelac.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Tomoka Remediation

Pace Project No.: 3525886

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3525886002	B40-2		FLD/		
3525886003	B41-1		FLD/		
3525886004	B-1B		FLD/		
3525886005	M05-B		FLD/		
3525886006	B35-2		FLD/		
3525886007	B33-2		FLD/		
3525886008	B43-1		FLD/		
3525886001	EQ Blank	EPA 350.1	WETA/8519		
3525886002	B40-2	EPA 350.1	WETA/8519		
3525886003	B41-1	EPA 350.1	WETA/8519		
3525886004	B-1B	EPA 350.1	WETA/8519		
3525886005	M05-B	EPA 350.1	WETA/8519		
3525886006	B35-2	EPA 350.1	WETA/8519		
3525886007	B33-2	EPA 350.1	WETA/8519		
3525886008	B43-1	EPA 350.1	WETA/8519		

Date: 02/07/2011 06:13 PM



CHAIN-OF-CUSTODY / Analytical Request Document

3525886

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Face Analytical

Pace Project No./ Lab I.D. (N/X) DRINKING WATER Samples intact SAMPLE CONDITIONS 1421504 (N/Y) OTHER Custody Sealed Cooler , o Ice (Y/V) GROUND WATER ياو Residual Chlorine (Y/N) O° ni qmaT Page: RCRA REGULATORY AGENCY لي TIME S/光 1/6 Requested Analysis Filtered (Y/N) STATE Site Location DATE NPDES UST AGCEPTED BY / AFFILIATION SHN 202 ♦ JaaT sisylsnA †n/A Other Methanol Sett _€O_SS_SBN Preservatives HOBN HCI invoice Information: [€]ONH Company Name: [†]OS⁷H Pace Quote Reference: Pace Project Manager: ace Profile # Section C Š/Ş Unpreserved Attention: Address: # OF CONTAINERS SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: SAMPLE TEMP AT COLLECTION 2/3/11 DATE 1305 437 518 525 1033 1009 TIME 3 213/11/955 COMPOSITE END/GRAB Remediation DATE COLLECTED RELINQUISHED BY / AFFILIATION TIME さら Hacus 5-14 COMPOSITE START DATE Project Name: Tomoka Required Project Information: Report To: Land L SAMPLE TYPE (G=GRAB C=COMP) J Purchase Order No.: 5 Project Number: **MATRIX CODE** OHIGINAL Section B Copy To: WW WY WP OL P WY TS AR POL Matrix Codes
MATRIX / CODE Dhriking Water Water Waste Water Product Soil/Solid Oil Wipe Air Air Other Address: 1990 TOWOKa Farms Rd Daybona Boh, Fl. 32124 ADDITIONAL COMMENTS (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE Company: Volusia Courty SAMPLE ID Fax: Section D Required Client Information Section A Required Client Information: Requested Due Date/TAT: 633-1 633-1 M05-B B43-1 6-10 840-2 1-11-1 Email To: Phone: 10 7 Ę 7 œ # M3TI

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any Invoices Not paid within 30 days.

SIGNATURE of SAMPLER:

F-ALL-Q-020rev.07, 15-May-2007

DATE Signed 2/3/1

Site N	Iame: T	omokal La	ındfill F	Remedi	ation P	roject			Site	Loca	tion: Volusia	County, l	FL				
Well #	#: E0	_				Sa	ample ID);						Date:	2/3	/11	—
				•			PUR	GIN	G DAT	A		YSI	: 026	06/269	77		
Well Diamet Well V	ter: 2" olume Pur		er: 3/8	" [Well Scre Interval I (Total W	Depth:		et to Deptl		to Wa	c Depth ater: Il Capacity= Wel		Samp Device	ling	PP		
Equipn	nent Volun	ne Purge:	Pump	Volume	(+ (Tubi:	ng Capa	city X T	ubing	(Length) + F	X ().16 Cell Volume= Eq	Gallons/Fo					Gallons
-					+(v)+			Gallons					
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155															-		
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Sample	ed By (Princey Smith	e DIA, Capa	city (Gal	l./Ft.): 1/	/8" = 0.00 Pace	DO6; 3	SAMI	0014; PLII r(s) Si	0.06; 2" = 1/4" = 0.00 NG DA Smatures	D26; ΓΑ	3" = 0.37; 4 5/16" = 0.004;		Samp	1/2" = 0. ling Initia	010;	12" = 5/8" = Sampli At:	
	or Tubing	Depth in We	:11		Pump For minute		te Tu	ibing	Material Co	de:	Field Decontar			Field-F [Yes] ilter Size:		μm	Duplicate: [Yes]
Sample Code		# ontainers	Materia Code	al			/olume		eservative sed		tal Volume ded in Field L)	Final pH	Inten	ied Analy r Method	/sis	Sam	ipling ipment
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Cloud	-	[] Sc	oils/Sedir			impling)	Point:		Sample D	•] Composit					
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ind Sp	es] [Nø eed: - rection:	Field	Notes:		Sa	ımpling l	roint:		Sample I	epth	: [] Composit	e []G	rab			
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eld\Field	Sheets	Se	e W	ork	Ord	ler/I	3ottle	e O	rder						•		

	Site 1	Vame: To	mokal Lan	dfill Re	emediation F	Project		Site	Loca	ation: Volusia	County, F	L		
	Well	#: B40-	2			Sam	ple ID:				_ -	Date:	2/3/	11
	L					J	PURGI	NG DA'I	ΓA		YSI:	02606/2	697)	
	Well	eter: 2"	Tubing Diameter	. 3/2"	Well Sci Interval		Feet to		Statio to W	c Depth ater: 8.51		Sampling Device:	PP	
	Ł	Volume Purg		. 3/6				1		Il Capacity= Well		Device.	**	<u>.</u>
		_			1	1.38	B	51) X (116	Gallons/Foo	$_{\text{ot}} = 1.4$	7-	Gallons
	Equip	ment Volum	e Purge:	Pump V					low (Cell Volume= Equ	ipment Vol			Gallons
					+(X	\+		= (allons			
	Initial	Pump or Tu	bing		Final	Pump or Tu	ubing	<u> </u>	Purgi	ing	Purging	Т	otal Volum	
		in Well (Fee				n in Well:	<u> </u>			ited At: O O	1	10 70	Purged (Gal	
	Time	Volume Purged (Gal)	CUMUL Volume Purged (Gal)	Purge Rate (gpm)	to	pH (Standard Units)	Temp.	Conductiv (µmhos/o or (IS/cn	m	Dissolved Oxygen (circle/ng/Lor % saturation)	Turbidity (NTUs)		Odd (Descr	
•	1016	1,50	1,50	0.25	15.63	5.97	21.01	549		1.47	110	tan	nare	_ 63.0
O V	1013	0.50			3 15.75	5.95	20.97			1.53	110	1	1	52.0
_	1020	b.5b	2.50	ti	16.23	5.80	20.90	567	L	1.57	40	V	7	42.3
•	1028	0.50	3.00	-	16.45	5.76	21.16		P	1.30	29	· +	1	38.8
	1032	0.50	3.50	J.	lle lele	5.76	21.24	557	-	1.58	عا3	+	1	38.8
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		-			-			. 						
		<u> </u>							-	<u> </u>				
		Well Capaci	ly (Gallons Pe	r Foot):	0.75" = 0.02;	1" = 0.04:	: 1.25" =	0.06: 2"=	0,16;	3" = 0.37; 4	" = 0.65;	5" = 1.02; 6	5" = 1.47;	12" = 5.88
_		Tubing Inside	DIA. Capac	ity (Gal./i	Ft.): 1/8" = 0.0	0006; 3/10	6" = 0.0014;	1/4" = 0.0		5/16" = 0.004;	3/8" = 0.0		0.010;	5/8" = 0.016
() SI	है येंडी	li well d	rew down	had	to slaw	punge. S	SAMPL.	ING DA	TA					
	Samp	led By (Prin	t)	•			Sampler(s) S	Signatures	10			Sampling In		ampling Ended
		ey Smith			/Pace			Macy 81				At: 10 3	-	^{at:} 1035
	Pump (Feet)	or Tubing I	Depth in Well		Sample Pump (mL per minut		Tubing	Material Co	ide:	Field Decontar	t t		l-Filtered: s] [Ko]	Duplicate: [Yes]
		17	u I		100-	-200ml		PE	1 =			Filter Siz		m [2470]
	Samp Code	1		Material Code	•	Voi	I	reservative Jsed	Ad	tal Volume Ided in Field	Final pH	Intended An and/or Meth	~	Sampling Equipment
	-	-	1		PE	2:	50 ml		(m	L)		Anions		Code PP
	—								+					
									1					
									١,		-			
	Weat	her		face Wa	ater		Taken Fro			[] Waste Water			inish Time	
	Condit			Depth: []Lak	e [] Stream		[] Shore [] Boat	[] Surface [] Mid-De		Sampling Po	int: Composite		'olume: ab	<u> </u>
	Sunn	•	[]Riv		ther		[] Bridge [] Wading	[] Bottom		mL per:	5 .	Hour []	1/2 Hou	r[]
		y Cloudy	[] Soi	ls/Sedim	ent S	ampling Po		Sample I	Depth:	[] Composite	e [] Grab		
	Clou	-	- [] Dru	ım Waste	е Т	ype:	•	Layers [Yes]	[No] [] Composite	[] Grab		
	-	ature: ζζ [Nø]	[] Oth	ier:	S	ampling Po	int:	Sample	Depth	n: [] Composite	e [] Grab		
	_	peed: -	Field I	Votes:	vell du	w cor	npletely	down	١,	grabbed	san	ple of	er	5
		irection:	_		reading	s ever	n' th	o not	- '	grabbed stabilized		,		
			On Ice	@ lo	_		eserved <2 ₁							
				10	- -									
V:\F	ield\Field	d Sheets	See	Wo	rk Oro	der/Be	ottle (Order	~-··					

Site N	ame:	Tomo	okal Lar	ıdfill Ren	nediation I	Projec	t			Site L	ocatio	on: Volusia	County, F	L						
Well #	^{#:} B41	 -				;	Samp	le ID:		•					Date:	2/:	3/11			
					·		P	URG	ING I				YSI:	02606/2697)						
Well Diamet	ari 7"		Tubing Diameter	. 2/9"	Well Sc Interval			Feet t	•	S	Static D	r: 1219		Sam	pling	PP	-			
	olume Pu		Diameter	. 3/0								apacity= Well	Device: PP							
		_			્રં3કે.	20	_	12	19		Y 014	5	Gallons/Fo	of =	U.1	7		Gallons		
Equipn	nent Volu	ıme Pı	irge:	Pump Vo	, -		pacity	X Tubi	ng Lengt	h) + Flo	ow Cel	l Volume= Eqi	ipment Vol	ume				Ganotis		
					+(x)+		= (Gallons							
	ump or ' n Well (I		ال		Final Depti	Pump h in We	or Tub	oing 0		P	Purging Purgi Initiated At: 1104 Ende					Total Vo Purged (7.5		
Time	Volum	e C	CUMUL	UMUL Purge		Depth p		pH Temp		ductivi	ty	Dissolved	Turbidity	y T	Color		Odor	ORP		
	Purgeo (Gal)	Purged Volume Rate (Gal) Purged (gpm) (Gal)		to Water (Feet)		ndard iits)	(°C)		hos/cm)) (Oxygen circle(mg/Lor % saturation)	(NTUs)	s) (Desci		1	escribe)				
113	4.50) 4.50 0.50 13.33 6.37 32.		22.3	2 711.1.			2 2 2	0.3	ا ، ا	How		chele/	-70.1						
116	1.50		.00.	1	19.55	ψ.3		22.43		<u>2167</u> 2199		0,33 0,1B	3.1		11100	u solvent		74.8		
119	1.50		7.50		1	6.3		22.40				2.16	3.5		1	- 		77.2		
1-1-	1.20				<u> </u>			-		`	J. 1 G									
																				
						<u> </u>								_				_		
		_			ļ 			-			1									
		\perp		·	ļ <u></u>	ļ		<u> </u>			+			-				 		
		+						1			+			+-		+		 		
	Well Cap	acity (C	Sallons Pe	r Foot): 0	<u> </u> .75" = 0.02;	1" =	0.04;	1.25"	= 0.06;	2" = 0	L .16;	3" = 0.37; 4	" = 0.65;	5" = 1.	.02; €	5" = 1.47	'; 12"	= 5.88		
T	ubing Ins	ide DI	A. Capac	ity (Gal./Ft): 1/8" = 0.0	0006;	3/16'	' = 0.001	4; 1/4 "	= 0.00	26;	5/16" = 0.004;		006;	1/2" =	0.010;	5/8" =	= 0.016		
							SA	AMPI	ING	DAI	ľA									
Sampl	ed By (P	rint)				-	Sa	mpler(s)	Signatur		> _				pling In			ling Ended		
	y Smit				/Pace			l m ı ÷	Hac	14V	vish	wii 11 m		At:	1120	l-Filtere		1121		
(Feet):	or Tubin Li a	g Depi	h in Wel		ımple Pump ıL per minu	te);		Tubii	ng Materi		ie;	Field Decontai			[Ye	s] (No		Duplicate: [Yes]		
			#	Material	100	-200ml	Volu	me T	PE Preservat		Total	Volume	Final		Filter Sinded An		μm I San	npling		
Sampl Code	e ID			Code			voiu	ine	Used	live		d in Field	pH		or Meth			uipment		
4			ı		PE		250	ml (1 T. S. S. W. W. W. W.		Anic	ons			PP		
																				
			T E A O			[1 2		C			52.1100				
Veath Inditi				rface Wat Depth:	er			Faken Fr] Shore	om: []Su	ırface	[.	Waste Wate Sampling Po		ne		Finish T /olume:_	ıme			
					[] Stream			Boat 1 Bridge		d-Dept	th		Composite		[] Gr		Hour []			
Sunny [] River [] Other [] Bridge [] Bottom mL per:[] Hour [] ½ Hour [] [] Partly Cloudy [] Wading [] Other										···L										
Cloudy [1 Soils/Sediment Sampling Point: Sample Depth: [1 Composite [1] Grab																				
Temperature: 55 [] Drum Waste Type: Layers [Yes] [No] [] Composite [] Grab																				
_	es] [N	_	[] Oth						•	mple D] Composit					i		
	eed:			he	avy egu	ipmen	1	be ing	opera	थाटल	nec	er by	-ar	nul	03	eki	naust			
nd Di	rection	n:	On Ice	@ 27		Bottl	es Pres	served <	⊋рН											
				÷ • •																
eld\Field	Sheets		Sec	Wo	rk Or	der	/Bo	ttle	Ord	er										

Site Name: Tomokal Landfill Remediation Project Site Location: Volusia County, FL																			
Well #: B-1B Sample ID: PURGING DATA														Di	ate: 2	13 1	11		
		źJ.					. !	P	URG	INC	DAT	A	(a) 2/3/1	YSI:	02606	/2692	D		
Well Diamet	tor: ')"	Tubing	r: 3/8"		ell Scr	een Depth:		Feet	to.		Static	Depth nter: 3 11.		Sampling	g			
Well V				1. 5/6			•	th – S					Capacity= Well	Volume	Device:		PP		
					(35.	82	_	11	LoU		Υn	.16	Gallons/Fo	ot = 2	.36			Gallons
Equipn	nent \	Volume	e Purge:	Pump 3	Volume +	· (Tubi	ng Cap	acity	X Tub	ing L	ngth) + F	low C	Cell Volume= Equ	ipment Vol	ume				Ganons
					4	+(x)+		= (allons					
Initial I Depth i	Pump in We	or Tul II (Fee	oing t): v			Final Pump of Depth in We			or Tubing /ell: (6			Purging Initiated At: 114		Purging Ended At	:1208		Volume ed (Gallo		o.D
Time		lume rged	CUMUL Volume		pth o	pl- (Stand	I dard	Tem (°C	p. (Conductiv		Dissolved Oxygen	Turbidit (NTUs)					ORP	
	Purged Volume Rate (Gal) Purged (gpm)		ı) Wa	ater eet)	Uni				or pS/cm		(circle mg/L or % saturation)	(11100)	Ess	,	(2000	,,,			
	11											<u> </u>							
200 204	1.5		4.00 5t.00				<u>6.2</u>		22.4		1836	+	0.17	1.7	_yell	2m	nore	no -58.3	
<u>год</u> гов		0	$\frac{67.00}{6.00}$ $\frac{1}{1}$ $\frac{4.27}{6.26}$			27.4		1844		0.15	1.8	- j	<u>-</u>			<u>د رو در ح</u> ان ما ما			
VU _I						<u> </u>	1	<u> </u>	1041		0114	1.0	<u> </u>				φ Φ		
								•		Was									
Sampl Stace	ey Si	mith			/ P	ace			mpler(s) Sign	Talax	7	th		Sampling	9	At:	-	g Ended
Pump (Feet):	or Tu	bing D	epth in We		Sample I (mL per	minute		ate	Tub	ng M	aterial Co	ie:	Field Decontar			ield-Fill [Yes] [Size:			Duplicate: [Yes] [NO D
Sampl Code	e ID	1	# ontainers	Materia Code				Volu	me	Prese	rvative		al Volume ded in Field	Final pH	Intended	Analys	is	Samp Equip	ling
								0.50			· · · · · · · · · · · · · · · · · · ·	(ml		p.r	unia, or in			Code	
		_	1		PE			250	ml						Anions				PP
											•		· · · · · · · · · · · · · · · · · · ·		·				
		+																	
			1									-							
Weath onditi Sunny	Total Depth: [] Shore [] Surface Sampling Point: Volume: Type: [] Lake [] Stream [] Boat [] Mid-Depth [] Composite [] Grab										_								
Partly		oudy	1150	ils/Sedin	nenf	Sa	mnling] Other Sample D	enth:	· · · · · · · · · · · · · · · · · · ·	1 Composite	e [] Grah				
1 Cloudy										,									
Temperature: S [] Other: Sampling Point: Sample Depth: [] Composite [] Grab										·									
nd Sp	eed	:5	Field	Notes:			vv	***********				-		- 					
ind Di	rect	ion:j		e@ 12	11		Bottle	s Pres	erved <	2рН									
See Work Order/Bottle Order																			

Well	#: 0005	- B			Samp	ole ID:	i				Da	te: 2/ 3	/ 11				
Well #: M05 - B Sample ID: Date: 2/3/11																	
		Tubing		Well So		UNGL	ING DA		Depth		Sampling						
	ter: 2"		er: 3/8"		Depth:	Feet to			ater: 13.26	3	Device:						
Well V	/olume Pu	ge:			-	_	•	X Wel	ll Capacity= Wel	a							
	-				5.78	. 13.	28	$\begin{array}{ccc}) \times 0.16 & \text{Gallons/Foot} = 3.60 \end{array}$									
Equipi	ment Volur	ne Purge:	Pump V	olume + (Tul	oing Capacity	X Tubin	g Length) + I) + Flow Cell Volume= Equipment Volume									
* Tatal	Pump or T			+(l Pump or Tul	X)+			Gallons		Total Volume					
Depth	in Well (Fo	et): 110		Dept	th in Well:	oing		Purgi Initia	ng ted At: リン3ス	Purging Ended At	:1250		llons): 3.0				
Time Volume CUMUL			Purge		pН	Temp.	Conductiv			Turbidity	Colo	or Od	or ORF				
	Purged Volume		Rate (gpm)	to Water	(Standard Units)	(°C)	(μmhos/c		Oxygen (circleme/L or	(NTUs)	(Descr	ibe) (Desc	ribe)				
	(Gal) Purged (g		(gpin)	(Feet)	(Olins)		01 03/124	"	% saturation)								
	2 2:100 1:00			00.1/2	1512		A 17	0 =									
1248			1513			8.5	yılla	w suth									
1252				0.16	3.8			-8.0									
1256	1			0.17	4.5	+ +		-10.4									
1300	1.00	3.00 B.00	++-	6.14		22.46			0.18	4.0	+++	- -	+12.0				
<u> 304</u>	1.00	10.93	- J	1 9	0.19	70.40	1032	\dashv	0.20	4.0	4	4	-14.3				
	1				1	 				 							
		 			ļ	-					 						
•		 				1				_							
		1			 	1											
					1" = 0.04;	1.25" =	0.06; 2" =	0.16;	3" = 0:37; 4	" = 0.65;	5" = 1.02;	6" = 1.47;	12" = 5.88				
T	ubing Insi	ie DIA. Capa	city (Gal./F	1.): 1/8" = 0.	 	" = 0.0014;	· · · · · · · · · · · · · · · · · · ·		5/16" = 0.004;	3/8" = 0.0	006; 1/2	" = 0.010;	5/8" = 0.016				
					SA	AMPL	ING DA	IA									
	led By (Pri					impler(s) S	Signatures (I/I			Sampling		Sampling Ended				
	ey Smith			/Pace			Atticin)				At: 130		At: 1306				
Pump (Feet):	or Tubing	Depth in We		ample Pump mL per minu		Tubing	g Material Co	de:	Field Decontain			eld-Filtered: Yes] [No	Duplica [Yes]				
	16		. `		-200ml	<u> </u>	PE		1		Filter	Size:μ	m Mo				
Sampl Code	le ID	# Containers			Volu		reservative Ised		al Volume ded in Field	Final pH	Intended and/or Me		Sampling Equipment				
		2011tttilli015			<u> </u>		,3 ,0 4	(mI		pii			Code				
		1		PE	250) ml	_				Anions		PP				
								ļ									
								<u> </u>									
<u> </u>								<u></u>	· · · · · · · · · · · · · · · · · · ·								
Weath			rface Wa Depth:	ter		Faken Froi] Shore	m: [] Surface		[] Waste Wate Sampling Po		e	_ Finish Time Volume:					
onditi		Type:	[] Lake	[] Stream	· • • • • • • • • • • • • • • • • • • •	Boat	[] Mid-Dep	oth	[] Composite		Grab					
Sunn	y y Cloud		ver []Ot	her] Bridge] Wading	[] Bottom		mL per:	[] H	lour []	½ Hou	ır []				
Cloud		[]So	ils/Sedime	ent S	ampling Poin		Sample D	epth:	[] Composite	[] Grab		*********				
	ature:60	[] Dr	um Waste	T	уре:	····	Layers [es] [No] [] Composite	[] Grab						
	es] [Nø	<u>ነ []ot</u>		S	ampling Poir	ıt;	Sample 1	Depth:	[] Composite	[] Grab						
	eed:	Field	Notes:	· · ·													
-	rection	_															
		1	e @ {30	2	Bottles Pres	erved n</td <td>Н</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Н										
		011 10	~ 50	"]	Dottios 1.162	,υι του - 2β	. 1										
		- 1															
ld\Field	. 01	1 ~	_ XX 7	1 0	der/Bo	111 -	` '										

Site Name: Tomokal Landfill Remediation Project Site Location: Volusia County, FL Well #: B35-2 Sample ID: Date: 2/3/11																		
Well #	#: B35	-2			S	ampl	e ID:	Date: 2/3/11										
<u> </u>						P	URGIN	G DAT	Ά		YSI	: 02606	/2697)		· · · · · · · · · · · · · · · · · · ·			
Well Diamet	ter 0"	Tubing	er: 3/8"	Well Sc Interval			Feet to			Depth		Sampling						
	olume Pur		4. 3/0	I	-	th – S	Feet to to Water: 2, & O Device: PP Static Depth to Water) X Well Capacity= Well Volume											
		-			7.70		=	$\frac{\partial}{\partial t} (0) \times 0.16$ Gallons/Foot = $\frac{\partial}{\partial t} (0)$ Gallon										
Equipn	nent Volur	ne Purge:	Pump Vol				y X Tubing Length) + Flow Cell Volume= Equipment Volume											
				+(-	Х	\		-	Gallons							
Initial I	Pump or T	ubing _		Final	Pump o		ing		Purging Purgin									
Depth i	in Well (Fe					Well: B			Initia	ted At:1420	1420 Ended A			Purged (Gallons): U				
		CUMUL Volume	Purge Rate	Depth to	pH (Stand		Temp. (°C)	Conductiv (µmhos/c		Dissolved Oxygen	Turbidit (NTUs)			Odor escribe)	ORP			
	(Gal) Purged		(****	Unit		(9,	or ASICIT		(circle mg/l_or	(4.100)	, \		-041.04,	-			
	(Gal)			(Feet)				_		% saturation)								
430	2.50	2.50	0.258		5.50	p	18.98	441	-	0.24	13	tan	Su	fur	105.2			
433	0.75	3.25	134		5.5	3	13.99	441		009	11	1			101.B			
1436	0.75	4.00		5.96	5.52		19.05	05 438 0.17		0.17	9.9	1	4	-	96.5			
		' l																
									-									
										<u> </u>								
Stace	ed By (Prin			/ Pace Sampler(s) Signatu				tacus	Ah	\		Sampling At: / 42			ling Ended 43 <i>8</i>			
Pump ((Feet)		Depth in We		nple Pump		ite	Tubing N	Aaterial Co-	đe:	Field Decontan		[eld-Filtere Yes] 🔞		Duplicate: [Yes]			
Sample		#	Material	100-		Volun	ne Pre	servative	Tot	al Volume	Final	Filter Intended		μm Sar	npling			
Code	(Containers	Code	٠			Use	ed		ded in Field	pН	and/or M	ethod	Equ Cod	uipment			
	+	1		PE		250	ml		(mI	<u>-1</u>		Anions		100	PP			
													•.					
_																		
Weath			rface Water	•			aken From:			[] Waste Water		ne	_Finish T	me				
onditi			Depth: [] Lake	[] Stream				[] Surface] Mid-Dep	th	Sampling Po	int: Composite	(1 ₁	Volume:_ Grab					
Sunny		[] Ri	ver [] Othe			[]	Bridge	[] Bottom		mL per: [Hour[]		lour []				
Partly Cloudy [] Wading [] Other [] Soils/Sediment Sampling Point: Sample Depth: [] Composite [] Grab										-								
Cloud	y ture:هرا	[] Dr	um Waste	T	ype:			Layers [Y			· ·	e [] Grab						
-	es] [Nø	- []Otl	ier:	S	ampling	Point	:	Sample I			Composit				-			
ind Sp		Field	Notes: 90	truc	K el	nck	2×	tryina	to	get to	بالمادر							
-	rection:		J	•	<i>3</i>			~ i j	•	g								
		On Ice	·@1440	•	Bottles	Prese	rved <2pH											
ield\Field Sheets See Work Order/Bottle Order																		

Site N	ame: To	omokal La	ndfill Ren	nediation	Project		Site	Locatio	n: Volusia	County, Fl	_					
Well#	^{1:} 633	-2_			Sam	ole ID:		Date: 2/3 / 11								
					ľ	PURGIN	IG DAT	`A	YSI: 02606/2697)							
Well		Tubing		Well So	стееп			Static De	pth , , , (Sampling					
Diamete	er: 2" olume Purg		er: 3/8"		Depth:	Feet to	h to Water)	to Water	apacity= Well	Volume	Device: PP					
Well vo	vianie ruig	;c.									101					
	437-1	- D	D 17.	([1,75	<u>.</u> (q, 4	(6)	X 0.16	17.1	Gallons/Foo	t = ,	1 5		Gallo		
Equipm	ent Volum	e rurge:	rump vo	iume + (Tui	oing Capacity	/ X Tubing	t Length) + F	low Cell	Volume= Equ	upment Volu	me					
r :-: . I D	- T	1		+(X)+	~	= (allons						
Depth in	ump or Tu n Well (Fee	et):	<u>.</u>	Dept		Well: 15			Purging ed At: 1504 Ended At:		 		Gallons)	3.25		
Time	Purged Volume Ra		Purge Rate (gpm)	e to (Sta		Temp. (°C)	Conductiv (µmhos/c or (S/cm	m (c	Dissolved Oxygen ircle mg/Lor saturation)	Turbidity (NTUs)	Cole (Desci		Odor escribe)	ORP		
1511	1,75	1,75	0.25	13.80	6.32	19.47	1623 2.5		2,50	80	tan	lea.	hale	-24.8		
1513	0.50	225	1 i	14.07	6.81	19.55	1636			90	700	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	nave 1	-23,0		
	0.50	2.75		14.25	4.81	19.60	1628		.56			- -		16.6		
(517	0.50	3.15	1 4	14.36	(a.80	19.60	1629		.50	90	+ 1		<u>} </u>	13.8		
		7103		13.74	19.00	17.00			.)0	10				1),0		
	·					 							-	<u> </u>		
			-		1	 						 -	_	 		
Sample Stace	ed By (Print y Smith			/ Pace	Sz	ampler(s) S	NG DA	TA Tuth			Sampling At: (5)	в	Sampl At:			
Pump of (Feet):	or Tubing C 15	Depth in Wel	l Sa	L per minu	Flow Rate te): -200ml	Tubing	Material Coo	ie: F	ield Decontan			eld-Filtered Yes] [No]		Duplicat [Yes]		
Sample Code	ID	# ontainers	Material Code	100	Volu		eservative sed	Total V	olume in Field		Intended and/or Me	Analysis		pling ipment		
		1		PE	250	0 ml		(mL)			Anions	-	Cod			
		-											-			
												,				
Weather Conditions Surface Water Taken From: Surface Surface Sampling Point: Volume: Sampling Point: Sampling Point: Volume: Volume:									 -							
Cloud	Y	[]30	ils/Sedimen	t S	ampling Poir	it:	Sample D			Composite						
	, ture: 55	\ `-"	ım Waste		ype:		Layers [Y	es] [No]	[]	Composite	[] Grab					
	s] [Nø]	, L1O#	ier:	S	ampling Poir		Sample D	epth:	[]	Composite	[] Grab					
ind Spe	ection:	Fleta	Notes: Nex	t to (eachate :	tanks										
11G 17H	oonon.	-	:@ 15l	0	Bottles Pres	served <2pł	H				·					
ld\Field S	Sheets	See	Wor	k Oro	der/Bo	ttle O	rder									

Site Name: Tomokal Landfill Remediation Project Well #: BU3- Sample ID: Date: 2/3/11															
Well #	#: B43	,-1			Sam	Date: 2/ 3 /11									
]	PURG	ING DA	TA	•	YSI	: 02	606/26	93		
Well Diamet	tor: 2"	Tubing	er: 3/8"	Well So	creen I Depth:	Feet to			c Depth		Sam	pling			
	olume Pur		01. 3/6						ater: 7,10	Volume	Dev	1ce:	PP		
				-			•	•	0.16			2 40			Gallons
Equipn	nent Volun	ne Purge:	Pump Vo	lume + (Tul	bing Capacit	y X Tubi	ng Length) +	Flow (Cell Volume= Eq	uipment Vo	lume	J: 7 1			Ganons
				† (x)-		-	Gallons					
Initial F	Pump or Tu	ibing		Fina	l Pump or Tu	ubing		Purg	ing	Durging		To	tal Vo		
	in Well (Fe		Down		th in Well:	17.			ited At: 1555	Ended At		21 Purge		ged (Gallons): 6,5	
Time	Purged Volume F		Rate (gpm)			Temp (°C)	Conduct (µmhos or QS/c	/cm	Dissolved Oxygen (circle(ing/Dor % saturation)	Turbidit (NTUs)		Color Describe)		Jaor escribe)	ORP
609	3.50	3.50 3.50 0.25 8.25 6.25 21.40 721			0.23	a ų			Sul	<u> </u>	-13.2				
	1.00			0.21	18		1	Ju 1	<u> </u>	-14.6					
1617	1,00	5.50		3.30	6.21	21.42			0.26	15	a)	tcher	^		-15.2
621	(,90	6.50	1	J	6.20	4.48			0.19	9,3	Ti ³ M	J J	7	-	16.2
										ļ					
									 						
Stace	ed By (Pricey Smith			/Pace	S	ampler(s)	Signatures	Sut	'n			pling Initi & 27	At: 167		673
Pump (Feet):	or Tubing I	Depth in We		nL per minu	Flow Rate te); -200ml	Tubir	ig Material C	ode;	Field Decontain Yes] [N		[Ye: Filter Siz		iltered		Duplicate: [Yes] [No)
Sample Code		# Containers	Material Code				Preservative Used			Final pH	Intended And and/or Metho		malysis Sa		npling aipment
		1		PE	25	50 ml		(m.	L)		Anic	ons		1 000	PP
				<u>.</u>		1		1							
								 							
Weather [] Surface Water Taken From: [] Waste Water: Start Time Finish Time Conditions [] Shore [] Surface Sampling Point: Volume:															
Sunny [] Composite [] Grab [] Sunny [] River [] Other [] Bridge [] Bottom mL per: [] Hour [] ½ Hour []															
[] Partly Cloudy [] Soils/Sediment [] Wading [] Other [] Cloudy [] Sampling Point: Sample Depth: [] Composite [] Grab															
	بر ture: ح	[]D	um Waste	7	Гуре:		Layers	Yes] [No] [] Composit	e [](Grab			
	es] [No	<u>[]0</u>		S	Sampling Poi	nt:	Sample	Depth	: [] Composit	e [](irab			
ind Sp	eed: 54	o Field	Notes:												
		On Io	e@ [(eV	4	Bottles Pre	served <2	pН								
eld\Field	Sheets	Se	e Woi	rk Or	der/Bo	ttle (Order					-			

Pace Analytical Client Name: VOLC	6U Project # 35 25886
/ Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercia	al Pace B&B Other
Tracking #	ar La Pace La Book La Cittei
	als intact: Uyes Ino Date and Initials of person examining
Packing Material: Bubble Wrap Bubble Bags None	a manufacture of the state of t
7-20	
7/	Initialar
	bove neezing to 6 C)
If yes, then all conditions below were met:	If no, then mark box & describe issue (use comments area if necessary):
Chain of Custody Present	
Chain of Custody Filled Out	
Relinquished Signature & Sampler Name COC	
Samples Arrived within Hold Time	
Sufficient Volume Correct Containers Used	
Containers Intact	
Sample Labels match COC (sample IDs & date/time of collection)	
Cample Labels match COO (sample ibs & date/time of collection)	No Labels: No Time/Date on Labels:
All containers needing preservation are found to be in compliance with EPA recommendation.	D No Filter Date of Labers.
No Headspace in VOA Vials (>6mm):	
Person Contacted:Date Comments/ Resolution (use back for additional comments):	e/Time:
Project Manager Review:	Date: 2/4///
Finished Product I	nformation Only
F.P. Sample ID:	Size & Qty of Bottles Received
Production Code:	x 5 Gal x 2.5 Gal x 1 Gal
Date/Time Opened:	x 1 Liter
Number of Unopened Bottles Remaining:	x 500 mL x 250 mL x Other;
Extra Sample in Shed: Yes No	A Guidi.

Sample Condition Upon Receipt Form (SCUR)

Table Number: