GROUNDWATER SAMPLING LOG

SITE NAME: Citrus County Central Class I LF.		SITE LOCATION: Lecanto, FL.	
WELL NO: EQUBLK#1R	WELL WACS NO: —	SAMPLE ID: 22M5CC-EQBIR	DATE: 5-6-22

PURGING DATA

WELL DIAMETER(in):	TUBING DIAMETER (in):	SCREEN LENGTH: ft From ft to ft **	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE:	
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY **1 WELL VOLUME** = (feet – feet) X gallons/foot = gallons				Water Level measured with:	PURGE METHOD:
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons					
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):	

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)

S. Messick

SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Steve Messick / Jones Edmunds	Steve Messick	0834	0835

PUMP OR TUBING DEPTH IN WELL (feet): N/A	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min ☐ FLOW RATE Other Samples Rate (mL / min): +/- 400	TUBING MATERIAL CODE: N/A	SAMPLING EQUIPMENT CODE: None
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:		DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	INTENDED ANALYSIS
22M5CC-EQBIR	1	PE	250mL	HNO3	None	*	Arsenic

REMARKS:

- Verified Sample pH as <2 or >12 (as applicable) at MW-17
- ** Screened interval referenced is depth below Top of Casing

Sky Conditions: overcast Ambient Air Temperature: 26°C
Approx. Wind Speed and Direction: <3 MPH

Grundfos Settings: — HZ Peristaltic Setting: —
Bladder Pump: CPM — Refill/Discharge —/— sec Pressure — PSI
Total Tubing Length: — feet (New Tubing)

COMMENTS: Total Well Depth = — **by** — **date** —

New lab bottle blank with Zephyrhills Distilled Water
Lot # 01192019WF233

GROUNDWATER SAMPLING LOG

SITE NAME:	Citrus County Central Class I LF	SITE LOCATION:	Lecanto, Florida
WELL NO:	mw-17	WELL WACS NO:	22017
SAMPLE ID:	22m5cc-17	DATE:	5-6-22

PURGING DATA

WELL DIAMETER(in):	TUBING DIAMETER (in):	SCREEN LENGTH: ft	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE:
2" PVC	3/8"	20 From ft 98.00 to ft** 118.00	104.32	Dedicated BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (117.58 feet − 104.32 feet) X 0.16 gallons/foot = 2.1 gallons

Water Level measured with: MPM-GNV-01 | PURGE METHOD: 2.5

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

1 = 0.15 gallons + (0.0026 gallons/foot X 125 feet) + 0.123 gallons = 0.6 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
116	116	0857	0934	3.3

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR	ORP (mVolts)
0920	2.1	2.1	0.09	104.43	5.40	24.5	240	1.58	1.03	None Clear	None	-55.2
0927	0.6	2.7	↓	104.43	5.45	24.6	240	1.26	0.91	↓	↓	-73.0
0934	0.6	3.3	↓	104.43	5.47	24.6	242	0.81	0.85	↓	↓	-81.3

SAMPLING DATA

SAMPLED BY (Print) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Steve Messick / Jones Edmunds	Steve Messick	0936	0937

PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP VOC Sampling Rate 100-400 ml/min ☐ FLOW RATE Other Samples Rate (mL / min): 47-345	TUBING MATERIAL CODE:	SAMPLING EQUIPMENT CODE:
116		PE	DBP

FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type: ____	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOL	PRES. USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL PH*	INTENDED ANALYSIS
22m5cc-17	1	PE	250ml	HNO3	None	≤2	Arsenic

REMARKS:

- Verified Sample pH as <2 or >12 (as applicable) at mw-17
- ** Screened interval referenced is depth below Top of Casing

Sky Conditions: overcast Ambient Air Temperature: 26°C

Approx. Wind Speed and Direction: <3 mph

Grundfos Settings: — HZ Peristaltic Setting: —

Bladder Pump: CPM 60 Refill/Discharge 9 / 6 sec Pressure 60 PSI

Total Tubing Length: — feet (New Tubing)

COMMENTS: Total Well Depth = — **by** — **date** —

Flush mount well, vented 15 minutes before reading level. This is a resample for Arsenic only. Sample kept in the refrigerator over night and shipped Monday to lab.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314

4810 Executive Park Court, Suite 111
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

www.encolabs.com

Client Name: Jones Edmunds & Associates, Inc. (JO006)	Project Number: 39859
Address: 730 N.E.Waldo Road Bldg.A	Project Name/Desc: Citrus Co. LF
City/ST/Zip: Gainesville, FL 32641	PO # / Billing Info: 03860-075-01
Tel: (352) 377-5821 Fax: (352) 377-3166	Reporting Contact: Elizabeth Kennelley
Sampler(s) Name, Affiliation (Print): Steve Messick, Jones Edmunds, Inc.	Billing Contact: Accounts Payable
Sampler(s) Signature: Steve Messick	Site Location / Time Zone: Leesburg, FL. / EST

Requested Analyses

Arsenic Total

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder

AF03377

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Preservation (See Codes) (Combine as necessary)	Sample Comments
1	EQUBLK#1R (22M5CC-EQB1A)	5-6-22	0834	G	O	1	✓	New 6 bottle blank w/ dist. H2O
2	MW-17 (22M5CC-17)	↓	0936	G	GW	1	✓	

S. Messick

Note sample kept in Refrigerator over weekend and shipped Monday to lab fm

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
	5/2 1425		5/2 1425	Steve Messick	5-5-22 @ 1700
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
Samples shipped by Fed Ex Std Overnight From Gainesville to Orlando, Fl. / cooler		Steve Messick	5/3/22 @ 1600		
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt		Condition Upon Receipt	
				___ Acceptable	___ Unacceptable

Matrix : **GW**-Groundwater **SO**-Soil **DW**-Drinking Water **SE**-Sediment **SW**-Surface Water **WW**-Wastewater **A**-Air **O**-Other (detail in comments)

Preservation: **I**-Ice **H**-HCl **N**-HNO3 **S**-H2SO4 **NO**-NaOH **O**-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

CALIBRATION LOG

Meter ID: YSI-GNV-05 **RQ:** 22M5CC **Project:** Citrus County Central Class I Landfill

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification **04/01/2022**

DO (FT 1500)	Name	Date	Time ET	Temp. (°C)	DO Chart (mg/L)	Meter DO (mg/L)	Pass/Fail
Calibr.	**Steve Messick**	5-6-22	0823	25.8	8.14	8.14	(P) / F
ICV	↓	↓	0858	25.9	8.12	8.12	(P) / F
CCV			0952	26.7	8.01	8.05	(P) / F
Calibr.							P / F
ICV							P / F
CCV							P / F
Calibr.							P / F
ICV							P / F
CCV							P / F
Calibr.							P / F
ICV							P / F
CCV							P / F

DO Acceptance Criteria from Table ± 0.3 mg/L.

Spec. Cond. (FT 1200)	Name	Date	Time ET	Lot #	Expir. Date	Standard (µmhos/cm)	Meter Read. (µmhos/cm)	Pass/Fail
Calibr.	**Steve Messick**	5-6-22	0900	CC21863	10/19/22	1413	1412	(P) / F
ICV	↓	↓	0901	CC21977	11/10/22	84	88	(P) / F
CCV			0954	CC21977	11/10/22	84	87	(P) / F
CCV			0956	CC21863	10/19/22	1413	1414	(P) / F
Calibr.								P / F
ICV								P / F
CCV								P / F
CCV								P / F
Calibr.								P / F
ICV								P / F
CCV								P / F
CCV								P / F
Calibr.								P / F
ICV								P / F
CCV								P / F
CCV								P / F

Conductivity Acceptance Criteria ±5%

pH (FT 1100)	Name	Date	Time ET	Lot #	Expir. Date	Standard (S.U.)	Meter Read (S.U.)	Pass/Fail
Calibr.	**Steve Messick**	5-6-22	0902	CC739828	11/3/23	7.00	6.99	(P) / F
Calibr.	↓		0903	CC738726	10/20/23	4.01	4.03	(P) / F
Calibr.		—	—					P / F
ICV		—	—					P / F
CCV			0957	CC739828	11/3/23	7.00	6.98	(P) / F
CCV		↓	0959	CC738726	10/20/23	4.01	4.04	(P) / F
Calibr.								P / F
Calibr.								P / F
CCV								P / F
CCV								P / F
Calibr.								P / F
Calibr.								P / F
CCV								P / F
CCV								P / F
Calibr.								P / F
Calibr.								P / F
CCV								P / F
CCV								P / F

Instrument pH Gain -5.293 **Weekly (-4.579 to -5.597 acceptable) Date Determined** 5-3-22

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

SITE NAME **Citrus County Central Class I Landfill** DATE 5-6-22

INSTRUMENT (MAKE/MODEL#) **YSI 556 MPS** **INSTRUMENT #** **YSI - GNV - 05**

PARAMETER: *[check only one]*

☐ TEMPERATURE ☐ CONDUCTIVITY ☐ SALINITY ☐ pH **X** ORP
☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A **Zobell's Solution Mixed Standard** **Expiration Date** ***05/04/22***

Stock Solution Lot # 21C100633 Mix Date: 02/24/2022 **Expiration Date** **2026-04-08**

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE (mV)	Temperature (Deg C)	INSTRUMENT RESPONSE (mV)	(+/- 10 mV) DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
22/05/06	0906	A	226.4	26.2	226.4	0	Yes	Init.	JMM
↓	1000	A	226.2	26.4	226.6	0.4	Yes	Cont.	JMM

Turbidity Calibration Log (DEP SOPs FT1000 & FT1600) PAGE 1 OF 1
Regional Operations Centers

Meter ID: **TB-GNV-01** Date of Last Calibration: **03-31-2022** Project Name: **Citrus County Central Class I Landfill**

Quarterly Calibration

Sampler Name: **Steve Messick** Date: **03-31-2022** Time: **1000 Hrs. ETZ**

Standard Value *(Use Primary Formazin Standards)*			Exp. Date	Lot #	Type of Information Displayed During Calibration?	Value Displayed NTU	Calibration Pass / Fail
<0.1 NTU			Nov -22	A1205	Meter Reading	0.1	Pass
20 NTU			Nov -22	A1207	Meter Reading	20.2	Pass
100 NTU			Nov -22	A1202	Meter Reading	102	Pass
800 NTU			Nov - 22	A1204	Meter Reading	799	Pass

Initial Calibration Verification (ICV) *(Only perform ICV immediately after quarterly calibr. Do not use < 0.1 NTU standard for ICV.)*

Sampler Name: **Steve Messick** Date: **03-31-2022** Time: **1000 Hrs. ETZ**

Standard Value *(Use A Primary Formazin Standard)*			Exp. Date	Lot #	Meter Reading NTU	Pass / Fail
20 NTU			Nov - 22	A1207	20.2	Pass

Secondary Gel Standard Quarterly Verification *(perform gel standard verification immediately after quarterly calib. and ICV)*

Sampler Name: **Steve Messick** Date: **03-31-2022** Time: **1000 Hrs. ETZ**

Standard Value Range NTU	Previous Value Assigned NTU	Exp. Date	Lot #	Meter Reading NTU *(new value assigned)*	Acceptable Range, NTU *(Calculate using new value assigned & acceptance criteria*)*
0 – 10	3.50	N/A	N/A	3.66	<5
10 – 100	40.9	N/A	N/A	41.6	<2
100 - 1000	429	N/A	N/A	427	<1

Daily Continuing Calibration Verification (CCV) *(required every day that meter is used)*

Date	Time (24hr) ET	Sampler Name	Standard Type	Standard Value NTU	Exp. Date	Lot #	Meter Reading NTU	Pass / Fail
5/6/22	0911	Steve Messick	Gel	3.66	N/A	N/A	3.77	(P) / F
↓	0911	↓	Gel	41.6	↓	↓	41.3	(P) / F
↓	0912	↓	Blank Cell	<0.25	↓	↓	0.15	(P) / F
↓	1202	↓	Gel	3.66	↓	↓	3.74	(P) / F
↓	1202	↓	Gel	41.6	↓	↓	41.4	(P) / F
↓	1203	↓	Blank Cell	<0.25	↓	↓	0.19	(P) / F
			GEL	3.66				P / F

*Acceptance Criteria: 0.1-10 NTU → ± 10 %; 11-40 NTU → ± 8 %; 41-100 NTU → ± 6.5 %; >100 NTU → ± 5 %;
Acceptable ranges for common standards: 20 NTU (18.4 - 21.6 NTU); 100 NTU (93.5 – 106.5 NTU); 800 NTU (760 - 840 NTU)

Form FD 9000-8: FIELD INSTRUMENT CALIBRATION RECORDS

SITE NAME: **Quarterly Temperature check** DATE: **04/01/2022**

INSTRUMENT (MAKE/MODEL#) **YSI 556 MPS** INSTRUMENT # **YSI-GNV-05**

PARAMETER: *[check only one]*

X **TEMPERATURE** ☐ CONDUCTIVITY ☐ SALINITY ☐ pH ☐ ORP

☐ TURBIDITY ☐ RESIDUAL Cl ☐ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A **NIST Thermometer 10.0 °C #94748 Cal Date: 06/26/21**

Standard B **NIST Thermometer 25.0 °C #94748 Exp. Date: 06/26/22**

Standard C **NIST Thermometer 40.0 °C**

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE (°C)	INSTRUMENT RESPONSE (°C)	(+/- 0.5°C) DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	CALIBRATOR INITIALS
Meter 05								
22/04/01	**1021**	**A**	**10.0**	**10.17**	**0.2**	**yes**	**init**	**SMM**
22/04/01	**1035**	**B**	**25.0**	**25.08**	**0.08**	**yes**	**cont**	**SMM**
22/04/01	**1050**	**C**	**40.0**	**39.89**	**0.1**	**yes**	**cont**	**SMM**

REFERENCE FACTORS FOR FIELD SAMPLING DATA SHEETS

WELL CAPACITY (Gallons / 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" = 1.47
12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gallons / Foot): 1/8" = **0.0006**
3/16" = **0.0014**
1/4" = **0.0026**
5/16" = **0.004**
3/8" = **0.006**
1/2" = **0.010**
5/8" = **0.016**

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other

PURGING EQUIPMENT CODES **B** = Bailer **BP** = Bladder Pump **ESP** = Electric Submersible Pump **PP** = Peristaltic Pump

SAMPLING EQUIPMENT CODES: **APP** = After Peristaltid Pump **RFPP** = Reverse Flow Peristaltic Pump **O** = Other (Specify) **SM** = Straw Method (Tubing Gravity Drain) **VT** = Vacuum Trap

STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: **± 0.2 units**

Temperature: **± 0.2 °C**

Specific Conductance: **± 5%**

Dissolved Oxygen: **all readings ≤ 20% saturation (see Table FS 2200-2)**
optionally, ± 0.2 mg/L or ± 10% (whichever is greater)

Turbidity: **all readings ≤ 20 NTU**
optionally ± 5 NTU or ± 10% (whichever is greater)

gal/min	=	ml/min	gal/min	=	ml/min	gal/min	=	ml/min
0.026		100	0.211		800	0.396		1500
0.053		200	0.238		900	0.423		1600
0.079		300	0.264		1000	0.449		1700
0.106		400	0.291		1100	0.476		1800
0.132		500	0.317		1200	0.502		1900
0.159		600	0.343		1300	0.528		2000
0.185		700	0.370		1400			

GENERAL SAMPLING NOTES AND CONVENTIONS

1. All sampling was performed according to the FDEP Standard Operating Procedures as listed in DEP-SOP-001/01 (Field Procedures) dated March 31, 2008 (Effective 12/3/08).

2. Field cleaning and decontamination has been done in accordance with DEP-SOP-001/01 (Field Procedures), FC-1000.

3. Tubing and filter cartridge lot numbers for all sampling points and wells are the same as those listed for that tubing type on the Equipment Blank data form(s) covering that equipment system.

4. Tubing suppliers/manufacturers are named in the following list:

• HDPE disposable tubing	US Plastics
• Tygon tubing	Cole Parmer
• Norprene tubing	Cole Parmer
• Silicon tubing	Cole Parmer

5. Field instrument calibrations were conducted in accordance with DEP-SOP-001/01 (Field Procedures), FT1000.

6. Calibration solution and gas suppliers are named in the following list:

• pH calibration solutions	Cole Parmer/Oakton
• Conductivity calibration solutions	Cole Parmer/Oakton
• Dissolved Oxygen probe membranes	YSI
• ORP calibration solutions	YSI
• Turbidity calibration solutions/gel standards	Hach
• TVA calibration gas cylinders	Airgas
• Eagle RKI calibration gas cylinders	Airgas

7. All samples collected were grab samples.

8. All sample containers requiring added preservative were supplied pre-preserved from the laboratory. No additional preservative was added in the field.

9. A combination of a front-bumper-mounted gasoline generator and an electric air compressor or compressed nitrogen is used to power the Grundfos electric submersible pump and bladder pump systems, as appropriate.

10. Screened intervals are assumed to be at the bottom of all monitoring wells sampled unless otherwise noted.

11. Well purge method indications on the field data sheets correspond to DEP-SOP-001/01 (Field Procedures), FS2000 sections as indicated below:

Data Sheet Designation	SOP Designation
2.3	FS 2212.2.3
2.4	FS 2212.2.4
2.5	FS 2212.2.5
2222 or 3.7.1	FS 2222 or 2212.3.7.1
Private	FS 2215.1 & 2215.2 (Jones Edmunds SOP for private well sampling)

Comments or Exceptions

* Send Fedex Return Label (Priority Overnight)

Sample Container Summary Form

Acct#:	JO006	Prelog #:	AF03377
Client	Jones Edmunds & Associates, Inc. (JO00	Project#/Reference:	Citrus Co. LF
Contact:	Elizabeth Kennelley	Required TAT:	5
Ship To:	730 N.E.Waldo Road Bldg.A Gainesville, FL 32641	ENCO Contact:	David Camacho
		Order Prepared By:	DC
Report To:	730 N.E.Waldo Road Bldg.A Gainesville, FL 32641	Ship Via:	FedEx Ground
		Date Needed:	5/3/2022
		Sched. Sampling Date:	5/5/2022

Sample Information

LabNumber	Matrix	Analyses
AF03377-01	Ground Water	As
AF03377-02	Ground Water	As

Preservation Information

Preservation	Analyses
Add HNO3 to pH<2; hold for 24 hr	As

Containers Provided

Number - Type of Container
2 - 250mLP+HNO3 (Ground Water)

Kit Prep Information

Total # of Coolers 1
Shipped on 5/2/22
Kit Comments

Cooler IDs 5M-530
By: CDJ

Notes:

Containers in this sample kit may contain chemical preservatives as required by the EPA procedures. Information concerning the materials can be found below. DO NOT rinse containers prior to use!

When filling preserved containers, use caution not to inhale vapors that may be caused in the chemical reaction between the sample and the preservatives. Collect samples in a well-ventilated area or take appropriate precautions to avoid exposure to these fumes. See cautions below pertaining to the handling of these materials.

It is the shipper's responsibility to ensure that the samples are packed in such a manner to prevent breakage and that any required temperature is maintained during transit until receipt at the laboratory.

A temperature blank has been included to measure the ambient temperature of the cooler upon receipt at the lab. Please do not remove this container from the cooler, but pack along with the samples in a similar manner. This bottle contains deionized water only.

The information below are **PRECAUTIONARY STATEMENTS ONLY!** All potential hazards posed by these materials have not been addressed. For additional information or assistance, please contact your organization's safety professional.

Cautions & Abbreviations
HCl : Hydrochloric Acid - STRONG ACID! Avoid skin and eye contact. If contact is made, flush affected areas immediately with water.
HNO3 :Nitric Acid - STRONG ACID! STRONG OXIDIZER! Avoid skin and eye contact. If contact is made, flush affected areas immediately with water.
H3PO4 : Phosphoric Acid - STRONG ACID! Avoid skin and eye contact. If contact is made, flush affected areas immediately with water.
H2SO4 : Sulfuric Acid - STRONG ACID! Avoid skin and eye contact. If contact is made, flush affected areas immediately with water.
Asc Acid : Ascorbic Acid - Avoid skin and eye contact. If contact is made, flush affected areas immediately with water.
ZnAc : Zinc Acetate - Avoid skin and eye contact. If contact is made, flush affected areas immediately with water.
NaHSO4 : Sodium Thiosulfate - Avoid skin and eye contact. If contact is made, flush affected areas immediately with water.
NaOH : Sodium Hydroxide - STRONG CAUSTIC! Avoid skin and eye contact. If contact is made, flush affected areas immediately with water.
MeOH : Methanol - Avoid skin and eye contact. If contact is made, flush affected areas immediately with water.