

February 14, 2011

Ms. Barbara Tell  
Facilities Director  
MOUNT SAINT MARY'S COLLEGE  
12001 Chalon Road  
Los Angeles, CA 90049

**RE: *Doheny Campus  
Building 3/5***

**1. Investigation**

On February 10, 2011, Ellis conducted general area monitoring for the presence of potential airborne contaminants at the subject property. The monitoring was conducted in the following areas:

- A. Room B107.
- B. Outside (control). This sample was used to compare indoor levels of targeted contaminants with outdoor levels during the same period.

As with the testing conducted on February 1st, sampling was conducted in response to concerns of air quality, specifically from odors emanating from an adjacent oil extraction and refining operation.

Sampling and analysis were conducted for:

- A. Volatile organic compounds (VOCs). This includes a broad range of airborne contaminants that could potentially be generated from natural gas, common paints, crude and refined petroleum products, adhesives and solvents.

## 2. Method

### A. Volatile Organic Compounds (VOCs)

Samples were collected in Tedlar® bags, using a personal pump drawing at a rate of 2.5 liters per minute. Tedlar sampling media were transported to CalScience Laboratories in Garden Grove for hydrocarbon analysis using EPA method TO-14A, which provides results for over thirty known organic compounds. The method provides accurate analysis to within one part per billion, or ppb. Results are compared to standard permissible exposure limits (PELs) as expressed in parts per million (ppm).

### B. Quality Assurance

Quality assurance and quality control (QA/QC) measures included standard chain-of-custody protocol, and analysis of method blanks. Copies of laboratory quality assurance (QA/QC) are attached to laboratory reports. No QA/QC inaccuracies were noted.

## 3. Results

Results of all analyses were compared to the standard employee exposure limits known as permissible exposure limits (PELs) as found in the California Code of Regulations Title 8. PELs represent the maximum permitted average concentration of an airborne contaminant to which an employee may be exposed during an 8-hour work period.

A. Volatile Organic Compounds (VOCs). Airborne levels of volatile organic compounds were found to be well below (less than one percent<sup>1</sup>) of the permissible exposure limits (PELs) for each of the contaminants targeted during the test period. The highest level for any VOC was 0.0033 parts-per-million (ppm) for benzene. This compares to a permissible exposure limit for benzene of 1 ppm.

B. In order to assess VOC levels throughout an entire workday, an additional 8-hr sampling effort has been scheduled for Thursday, February 17<sup>th</sup>.

## 4. Summary

Measured levels of targeted airborne contaminants during the period tested were found to be well below their respective permissible exposure limits (PELs) as established by California Title 8.

## 5. Statement of Independence

Ellis Environmental Management, Inc. is a privately-held company and is not affiliated with

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<sup>1</sup> Permissible exposure limits, or PEL's, are expressed in parts per million (ppm). Actual results are reported in parts per billion (ppb).

any financial institution or other corporate entity. Ellis is retained as an independent contractor to provide objective, impartial investigatory or analytical service regarding environmentally regulated hazardous or toxic materials.

This report is not an endorsement or rejection of any specific methods used in handling or transport of potentially hazardous chemicals. Ellis provides independent testing for indoor air contaminants and other potentially hazardous materials. The company and its employees are certified and licensed to practice in the State of California. Employees providing asbestos-related building inspections maintain current certification requirements as issued by California OSHA and the California Department of Health Services. Retained laboratories are accredited by the EPA (AREAL), National Institute of Occupational Safety and Health (NIOSH), California Department of Health Services (DOHS), the American Industrial Hygiene Association (AIHA), the National Voluntary Laboratory Accreditation (NVLAP) program and the California Air Resources Board (CARB).

7. Signatory  
Prepared by:



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Duane E. Behrens  
President, California Registered  
Environmental Assessor #05493

CC: Mr. Carlos Garcia  
11-029.02

Item	Parameter	B107	Outside	Unit	PEL	Unit	RL	Unit
1	Benzene	0.0033	0.0006	ppm	1	ppm	0.5	ppb
2	Benzyl Chloride	ND	ND	ppm	1	ppm	1.0	ppb
3	Bromomethane	ND	ND	ppm	5	ppm	0.5	ppb
4	Carbon Tetrachloride	ND	ND	ppm	2	ppm	0.5	ppb
5	Chlorobenzene	ND	ND	ppm	10	ppm	0.5	ppb
6	Chloroethane	ND	ND	ppm	1000	ppm	0.5	ppb
7	Chloroform	ND	ND	ppm	2	ppm	0.5	ppb
8	Chloromethane	ND	ND	ppm	5	ppm	0.5	ppb
9	Dichlorodifluoromethane	ND	ND	ppm	1000	ppm	0.5	ppb
10	1,1-Dichloroethane	ND	ND	ppm	100	ppm	0.5	ppb
11	1,1-Dichloroethene	ND	ND	ppm	NL	ppm	0.5	ppb
12	1,2-Dibromoethane	ND	ND	ppm	0.13	ppm	0.5	ppb
13	Dichlorotetrafluoroethane	ND	ND	ppm	NL	ppm	2.0	ppb
14	1,2-Dichlorobenzene	ND	ND	ppm	NL	ppm	0.5	ppb
15	1,2-Dichloroethane	ND	ND	ppm	1	ppm	0.5	ppb
16	1,2-Dichloropropane	ND	ND	ppm	75	ppm	0.5	ppb
17	1,3-Dichlorobenzene	ND	ND	ppm	NL	ppm	0.5	ppb
18	1,4-Dichlorobenzene	ND	ND	ppm	75	ppm	0.5	ppb
19	c-1,3 Dichloropropene	ND	ND	ppm	NL	ppm	0.5	ppb
20	c-1,2-Dichloroethene	ND	ND	ppm	100	ppm	0.5	ppb
21	t-1,3-Dicloropropene	ND	ND	ppm	NL	ppm	1.0	ppb
22	Ethylbenzene	0.0005	ND	ppm	100	ppm	0.5	ppb
23	Hexachloro-1,3-Butadiene	ND	ND	ppm	0.02	ppm	1.0	ppb
24	Methylene Chloride	ND	ND	ppm	50	ppm	25.0	ppb
25	o-Xylene	0.0006	0.0005	ppm	100	ppm	0.5	ppb
26	p/m-Xylene	ND	ND	ppm	100	ppm	1.0	ppb
27	Styrene	ND	ND	ppm	50	ppm	1.0	ppb
28	Tetrachloroethene	ND	ND	ppm	NL	ppm	0.5	ppb
29	Toluene	ND	ND	ppm	50	ppm	0.5	ppb
30	Trichloroethene	ND	ND	ppm	25	ppm	0.5	ppb
31	Trichlorofluoromethane	ND	ND	ppm	1000	ppm	1.0	ppb
32	1,1,2-Trichloro-1,2,2-Trifluroethane	ND	ND	ppm	1000	ppm	1.0	ppb
33	1,1,1-Trichloroethane	ND	ND	ppm	1	ppm	0.5	ppb
34	1,1,2-Trichloroethane	ND	ND	ppm	10	ppm	0.5	ppb
35	1,3,5-Trimethylbenzene	ND	ND	ppm	25	ppm	0.5	ppb
36	1,1,2,2-Tetrachloroethane	ND	ND	ppm	1	ppm	1.0	ppb
37	1,2,4-Trimethylbenzene	ND	ND	ppm	25	ppm	1.0	ppb
38	1,2,4-Trichlorobenzene	ND	ND	ppm	5	ppm	1.0	ppb
39	Vinyl Chloride	ND	ND	ppm	1	ppm	0.5	ppb

**TABLE 1**  
**VOLATILE ORGANICS**  
 February 10, 2011  
 Mt. St. Mary's College  
 Doheny - Bldg. 3/5



## Analytical Report



Ellis Environmental Management, Inc.  
430 Silver Spur Road, Suite 201  
Rancho Palos Verdes, CA 90275-3577

Date Received: 02/10/11  
Work Order No: 11-02-0679  
Preparation: N/A  
Method: EPA TO-14AM  
Units: ppb (v/v)

Project: 11-029

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B107	11-02-0679-1-A	02/10/11 08:10	Air	GC/MS NN	N/A	02/10/11 20:17	110210L01

Comment(s): -The method has been modified to use Tedlar bags instead of Summa Canisters.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3.3	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	0.52	0.50	1	
Bromomethane	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		o-Xylene	0.60	0.50	1	
Chloroethane	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloroform	ND	0.50	1		Styrene	ND	1.5	1	
Chloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	5.0	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	96	57-129			1,2-Dichloroethane-d4	104	47-137		
Toluene-d8	102	78-156							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Ellis Environmental Management, Inc.  
430 Silver Spur Road, Suite 201  
Rancho Palos Verdes, CA 90275-3577

Date Received: 02/10/11  
Work Order No: 11-02-0679  
Preparation: N/A  
Method: EPA TO-14AM  
Units: ppb (v/v)

Project: 11-029

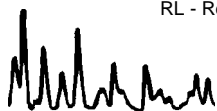
Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Outside	11-02-0679-2-A	02/10/11 08:25	Air	GC/MS NN	N/A	02/10/11 17:53	110210L01

Comment(s): -The method has been modified to use Tedlar bags instead of Summa Canisters.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	0.62	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromomethane	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		o-Xylene	0.53	0.50	1	
Chloroethane	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloroform	ND	0.50	1		Styrene	ND	1.5	1	
Chloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	5.0	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	100	57-129			1,2-Dichloroethane-d4	114	47-137		
Toluene-d8	103	78-156							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



## Analytical Report



Ellis Environmental Management, Inc.  
430 Silver Spur Road, Suite 201  
Rancho Palos Verdes, CA 90275-3577

Date Received: 02/10/11  
Work Order No: 11-02-0679  
Preparation: N/A  
Method: EPA TO-14AM  
Units: ppb (v/v)


Project: 11-029

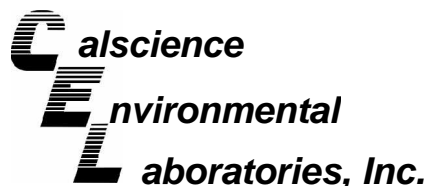
Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-981-1,064	N/A	Air	GC/MS NN	N/A	02/10/11 16:43	110210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		t-1,3-Dichloropropene	ND	1.0	1	
Benzyl Chloride	ND	1.5	1		Ethylbenzene	ND	0.50	1	
Bromomethane	ND	0.50	1		Hexachloro-1,3-Butadiene	ND	1.5	1	
Carbon Tetrachloride	ND	0.50	1		Methylene Chloride	ND	5.0	1	
Chlorobenzene	ND	0.50	1		o-Xylene	ND	0.50	1	
Chloroethane	ND	0.50	1		p/m-Xylene	ND	2.0	1	
Chloroform	ND	0.50	1		Styrene	ND	1.5	1	
Chloromethane	ND	0.50	1		Tetrachloroethene	ND	0.50	1	
Dichlorodifluoromethane	ND	0.50	1		Toluene	ND	5.0	1	
1,1-Dichloroethane	ND	0.50	1		Trichloroethene	ND	0.50	1	
1,1-Dichloroethene	ND	0.50	1		Trichlorofluoromethane	ND	1.0	1	
1,2-Dibromoethane	ND	0.50	1		1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.5	1	
Dichlorotetrafluoroethane	ND	2.0	1		1,1,1-Trichloroethane	ND	0.50	1	
1,2-Dichlorobenzene	ND	0.50	1		1,1,2-Trichloroethane	ND	0.50	1	
1,2-Dichloroethane	ND	0.50	1		1,3,5-Trimethylbenzene	ND	0.50	1	
1,2-Dichloropropane	ND	0.50	1		1,1,2,2-Tetrachloroethane	ND	1.0	1	
1,3-Dichlorobenzene	ND	0.50	1		1,2,4-Trimethylbenzene	ND	1.5	1	
1,4-Dichlorobenzene	ND	0.50	1		1,2,4-Trichlorobenzene	ND	2.0	1	
c-1,3-Dichloropropene	ND	0.50	1		Vinyl Chloride	ND	0.50	1	
c-1,2-Dichloroethene	ND	0.50	1						
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>		<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>	
1,4-Bromofluorobenzene	79	57-129			1,2-Dichloroethane-d4	107	47-137		
Toluene-d8	100	78-156							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers





## Quality Control - LCS/LCS Duplicate



Ellis Environmental Management, Inc.  
430 Silver Spur Road, Suite 201  
Rancho Palos Verdes, CA 90275-3577

Date Received: N/A  
Work Order No: 11-02-0679  
Preparation: N/A  
Method: EPA TO-14AM

Project: 11-029

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-981-1,064	Air	GC/MS NN	N/A	02/10/11	110210L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	107	104	60-156	44-172	3	0-40	
Carbon Tetrachloride	101	103	64-154	49-169	2	0-32	
1,2-Dibromoethane	117	116	54-144	39-159	1	0-36	
1,2-Dichlorobenzene	73	71	34-160	13-181	3	0-47	
1,2-Dichloroethane	109	109	69-153	55-167	0	0-30	
1,2-Dichloropropane	106	104	67-157	52-172	2	0-35	
1,4-Dichlorobenzene	73	71	36-156	16-176	3	0-47	
c-1,3-Dichloropropene	118	117	61-157	45-173	1	0-35	
Ethylbenzene	108	106	52-154	35-171	1	0-38	
o-Xylene	115	107	52-148	36-164	7	0-38	
p/m-Xylene	122	114	42-156	23-175	7	0-41	
Tetrachloroethene	100	98	56-152	40-168	2	0-40	
Toluene	116	101	56-146	41-161	14	0-43	
Trichloroethene	103	101	63-159	47-175	3	0-34	
1,1,2-Trichloroethane	105	104	65-149	51-163	2	0-37	
Vinyl Chloride	108	112	45-177	23-199	3	0-36	

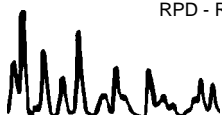
Total number of LCS compounds : 16

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

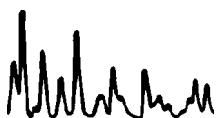


Work Order Number: 11-02-0679
 

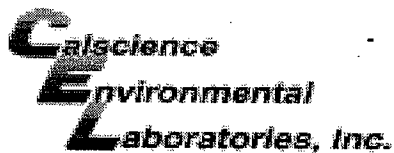
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<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.







WORK ORDER #: 11-02-0679

**SAMPLE RECEIPT FORM**

Cooler 0 of 0

CLIENT: ELLIS

DATE: 02/10/11

**TEMPERATURE:** Thermometer ID: SC1 (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature \_\_\_\_\_ °C + 0.5°C (CF) = \_\_\_\_\_ °C  Blank  Sample

- Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).
- Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:  Air  Filter

Initial: BM

**CUSTODY SEALS INTACT:**

- Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A
- Sample  \_\_\_\_\_  No (Not Intact)  Not Present

Initial: BM  
Initial: TN

**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**CONTAINER TYPE:**

- Solid:**  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve (\_\_\_\_)  EnCores®  TerraCores®  \_\_\_\_\_
- Water:**  VOA  VOA<sub>h</sub>  VOA<sub>na2</sub>  125AGB  125AGB<sub>h</sub>  125AGB<sub>p</sub>  1AGB  1AGB<sub>na2</sub>  1AGB<sub>s</sub>
- 500AGB  500AGJ  500AGJ<sub>s</sub>  250AGB  250CGB  250CGB<sub>s</sub>  1PB  500PB  500PB<sub>na</sub>
- 250PB  250PB<sub>n</sub>  125PB  125PB<sub>z<sub>na</sub></sub>  100PJ  100PJ<sub>na2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

**Air:**  Tedlar®  Summa® **Other:**  \_\_\_\_\_ **Trip Blank Lot#:** \_\_\_\_\_ **Labeled/Checked by:** TN

**Container:** C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** DL

**Preservative:** h: HCL n: HNO<sub>3</sub> na<sub>2</sub>: Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na: NaOH p: H<sub>3</sub>PO<sub>4</sub> s: H<sub>2</sub>SO<sub>4</sub> z<sub>na</sub>: ZnAc<sub>2</sub>+NaOH f: Field-filtered **Scanned by:** hC