

Data Validation Report

Project: 108046; Grenada Stamping Facility - Grenada, MS

Client: CTEH

SDG: J6873-1

Date: February 1, 2017





Disclaimer:

The validation performed and reported herein is based on specifications and procedures presented to eDATApro with the associated data package. Any qualifications or review not specified with package requirements was based on USEPA National Functional Guidelines for Inorganic and Organic Data Review.

Information contained in this report is based solely on the hardcopy and/or electronic deliverables that were submitted to eDATApro. eDATApro reserves the rights to modify or change the validation report if new information is presented or if this report is determined to be inaccurate or incomplete.



Cover Letter

Validation Report Date: February 1, 2017

Sample Delivery Group: J6873-1

Project Name: 108046; Grenada Stamping Facility-Grenada, MS

Data Deliverables Included:

Validation Report:

- Introduction
- Sample Identification Cross- Reference Table
- Data Validation Components
- Data Validation Findings Summary
- Table 1-1, Summary of Qualified Data
- Table 1-2, Data Qualifier Reference Table
- Appendix I, Form I Data (qualified)
- Appendix II, Chain of Custody

Approval Signature:  Date: February 1, 2017



INTRODUCTION:

SDG: J6873-1

Project Name: 108046; Grenada Stamping Facility-Grenada, MS

Laboratory: Test America Laboratories

Laboratory Package No.: J6873-1

Matrix: Air

Environmental Data Professional, LLC (eDATApro) received one data package containing the results for thirty field samples and one field blank. Data validation was performed according to guidance from *USEPA National Functional Guidelines for Organic Data Review* and the analytical method.

The following samples were reviewed:

Sample ID	Lab ID	Collection Date	Analyses
GRMS0119SS1	140-6873-1	01/19/2017	[1-2]
GRMS0119SS2	140-6873-2	01/19/2017	[1-2]
GRMS0119SS3	140-6873-3	01/19/2017	[1-2]
GRMS0119SS4	140-6873-4	01/19/2017	[1-2]
GRMS0119SS5	140-6873-5	01/19/2017	[1-2]
GRMS0119SS6	140-6873-6	01/19/2017	[1-2]
GRMS0119FB001	140-6873-7	01/19/2017	[1]
GRMS0120IA0A2	140-6873-8	01/20/2017	[1]
GRMS0120IA0A3	140-6873-9	01/20/2017	[1]
GRMS0120IA0A5	140-6873-10	01/20/2017	[1]
GRMS0120IA0A1	140-6873-11	01/20/2017	[1]
GRMS0120IA0A6	140-6873-12	01/20/2017	[1]
GRMS0120IA0A7	140-6873-13	01/20/2017	[1]
GRMS0120IA0A8	140-6873-14	01/20/2017	[1]
GRMS0120IA0B1	140-6873-15	01/20/2017	[1]
GRMS0120IA0B2	140-6873-16	01/20/2017	[1]
GRMS0120IA0B3	140-6873-17	01/20/2017	[1]
GRMS0120IA0B4	140-6873-18	01/20/2017	[1]
GRMS0120IA0B5	140-6873-19	01/20/2017	[1]
GRMS0120IA0B6	140-6873-20	01/20/2017	[1]
GRMS0120IA0B7	140-6873-21	01/20/2017	[1]
GRMS0120OA001	140-6873-22	01/20/2017	[1]
GRMS0120OA002	140-6873-23	01/20/2017	[1]
GRMS0120OA003	140-6873-24	01/20/2017	[1]
GRMS0120OA004	140-6873-25	01/20/2017	[1]
GRMS0120OA005	140-6873-26	01/20/2017	[1]
GRMS0120OA006	140-6873-27	01/20/2017	[1]
GRMS0120OABS1	140-6873-28	01/20/2017	[1]
GRMS0120OABS2	140-6873-29	01/20/2017	[1]
GRMS0118CS001	140-6873-30	01/18/2017	[1]

Analyses Performed Codes:

- | | | |
|-----|-------------------|------------|
| [1] | Volatile Organics | EPA TO-15 |
| [2] | Helium | ASTM D1946 |

DATA VALIDATION COMPONENTS

The data presented in this validation report was reviewed using a systematic process for evaluating performance and compliance of a set of data when compared to a set of standards to ascertain its completeness, correctness, and consistency using the methods and/or project defined criteria. The following components, as applicable to each analytical method, were reviewed in conducting the data validation:

- Data Completeness and Deliverables
- Sample Receipt (Chain of Custody Record)
 - Sample ID
 - Collection Date/Time
 - Matrix
 - Analysis Requests
- Chemical/Temperature Preservation
- Holding Times
- Analytical/Method Performance
 - Instrument Performance Checks
 - Instrument Calibrations
 - § Stability of Analyte Response (Average Response Factor)
 - § Linearity of Analytical Response (Correlation Coefficient)
 - § Initial Calibration (multi-point)
 - § Calibration Verification
 - Method Quality Control
 - § Instrument/Method Blank
 - § Laboratory Control Sample
 - § Laboratory Duplicate/Replicate
 - § Surrogates
 - § Internal Standards
 - § Interference Check Sample
 - § ICP Serial Dilution
 - Preparation Batch Quality Control
 - § Preparation Blank
 - § Laboratory Control Sample
 - § Matrix Spikes
- Field Quality Controls
 - Field Duplicate
 - Field/Equipment Rinse/Trip Blanks
- Compound Identification and Quantitation

Unless specifically stated otherwise in the method summary sections of this report, all components evaluated and data presented by the laboratory met the applicable acceptance criteria and are considered fully usable.



DATA VALIDATION FINDINGS SUMMARY

I. General Package:

A data package compliant for Level IV data validation was received from the laboratory. No resubmission was necessary.

The laboratory noted that samples GRMS0118CS001 and GRMS0118CS002 were not documented on the chains of custody (COC) received with the sample shipment. CTEH provided a copy of the COC for these samples. Also, the Helium analysis request for sample GRMS0119FB001 was cancelled per direction from CTEH.

II. Volatile Organics (EPA TO-15):

Laboratory results for this method were reported in both UG/M3 and PPBV units.

Estimate concentrations of Benzene and cis-1,2-Dichloroethene were reported in field blank sample GRMS0119FB001. The estimate concentrations of these analytes reported in samples GRMS0120OA002, GRMS0120OA004, GRMS0120OA005, GRMS0118CS001 and GRMS0118CS002 were qualified as non-detect (U) at the corresponding reporting limits.

Trichloroethene was present in the field blank at a concentration greater than the reporting limit. The estimate concentrations of this analyte reported for samples GRMS0120OA001, GRMS0120OA003, GRMS0120OA004, GRMS0120OA005 and GRMS0118CS001 were qualified as non-detect (U) at the corresponding reporting limits. The Trichloroethene concentration reported for sample GRMS0120OA002 was less than the blank contamination. This results was qualified as non-detect (U) at the blank concentration.

All quality assurance and quality control (QA/QC) components presented by the laboratory satisfied method and data review acceptance criteria.

III. Helium (ASTM D1946):

Laboratory results for this method were reported in %V/V units.

All quality assurance and quality control (QA/QC) components presented by the laboratory satisfied method and data review acceptance criteria. No data qualifications were necessary.

Table 1-1

SUMMARY OF QUALIFIED DATA

Target Compound	Sample(s) Affected	Lab Result	Lab Qual	Val Result	Val Qual	Units	Reason for Qualification
Benzene	GRMS0118CS002	0.38	J	0.8	U	ppb v/v	Field blank contamination.
		1.2	J	2.6	U	ug/m3	
cis-1,2-Dichloroethene	GRMS0118CS001	13	J	31	U	ppb v/v	
		51	J	120	U	ug/m3	
	GRMS0118CS002	0.52	J	0.8	U	ppb v/v	
		2.1	J	3.2	U	ug/m3	
	GRMS0120OA002	0.036	J	0.08	U	ppb v/v	
		0.14	J	0.32	U	ug/m3	
	GRMS0120OA004	0.031	J	0.08	U	ppb v/v	
		0.12	J	0.32	U	ug/m3	
	GRMS0120OA005	0.036	J	0.08	U	ppb v/v	
		0.14	J	0.32	U	ug/m3	
Trichloroethene	GRMS0118CS001	8	J	16	U	ppb v/v	
		43	J	84	U	ug/m3	
	GRMS0120OA001	0.029	J	0.04	U	ppb v/v	
		0.16	J	0.21	U	ug/m3	
	GRMS0120OA002	0.14		0.55	U	ppb v/v	
		0.77		3.02	U	ug/m3	
	GRMS0120OA003	0.024	J	0.04	U	ppb v/v	
		0.13	J	0.21	U	ug/m3	
	GRMS0120OA004	0.021	J	0.04	U	ppb v/v	
		0.11	J	0.21	U	ug/m3	
	GRMS0120OA005	0.024	J	0.04	U	ppb v/v	
		0.13	J	0.21	U	ug/m3	

Table 1-2

DATA QUALIFIER REFERENCE

Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified: the associated numerical value is the approximate concentration of the analyte in the sample.
J-	The result is an estimated quantity, but the result may be biased low.
J+	The result is an estimated quantity, but the result may be biased high.
UJ	The analyte was not deemed above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limits of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there was presumptive evidence to make a “tentative identification.”
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and to meet the quality control criteria. The presence or absence of the analyte cannot be verified.

Appendix I
Form 1 Data (Qualified)

Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: GRMS0119SS1	Sample Matrix: Air	Total/Dissolved: T
Site ID: NA	Sample Date: 01/19/2017	Lab: TAKNX
Sample Type: Site Sample	Analysis Date: 01/25/2017 3:04 PM	
Lab Sample ID: 140-6873-1		
Method: D1946		

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
7440-59-7	Helium	1.46	0.15	0.15	0.15	U	0.15	U	% v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit
 * = Modified by Validation
 U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: GRMS0119SS2	Sample Matrix: Air	Total/Dissolved: T
Site ID: NA	Sample Date: 01/19/2017	Lab: TAKNX
Sample Type: Site Sample	Analysis Date: 01/25/2017 4:11 PM	
Lab Sample ID: 140-6873-2		
Method: D1946		

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
7440-59-7	Helium	1.48	0.15	0.15	0.15	U	0.15	U	% v/v

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Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: GRMS0119SS3	Sample Matrix: Air	Total/Dissolved: T
Site ID: NA	Sample Date: 01/19/2017	Lab: TAKNX
Sample Type: Site Sample	Analysis Date: 01/25/2017 3:20 PM	
Lab Sample ID: 140-6873-3		
Method: D1946		

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
7440-59-7	Helium	1.47	0.15	0.15	0.15	U	0.15	U	% v/v

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Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: GRMS0119SS4	Sample Matrix: Air	Total/Dissolved: T
Site ID: NA	Sample Date: 01/19/2017	Lab: TAKNX
Sample Type: Site Sample	Analysis Date: 01/25/2017 3:53 PM	
Lab Sample ID: 140-6873-4		
Method: D1946		

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
7440-59-7	Helium	1.44	0.14	0.14	0.42		0.42		% v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit
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Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: GRMS0119SS5	Sample Matrix: Air	Total/Dissolved: T
Site ID: NA	Sample Date: 01/19/2017	Lab: TAKNX
Sample Type: Site Sample	Analysis Date: 01/25/2017 2:27 PM	
Lab Sample ID: 140-6873-5		
Method: D1946		

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
7440-59-7	Helium	1.42	0.14	0.14	0.14	U	0.14	U	% v/v

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Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: GRMS0119SS6	Sample Matrix: Air	Total/Dissolved: T
Site ID: NA	Sample Date: 01/19/2017	Lab: TAKNX
Sample Type: Site Sample	Analysis Date: 01/25/2017 2:44 PM	
Lab Sample ID: 140-6873-6		
Method: D1946		

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
7440-59-7	Helium	1.54	0.15	0.15	0.15	U	0.15	U	% v/v

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Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0119SS1**
 Site ID: **NA**
 Sample Type: **Site Sample**
 Lab Sample ID: **140-6873-1**
 Method: **TO-15**

Sample Matrix: **Air**
 Sample Date: **01/19/2017**
 Analysis Date: **01/27/2017 4:24 PM**

Total/Dissolved: **T**
 Lab: **TAKNX**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	4.57	6.5	25	25	U	25	U	ug/m3
79-00-5	1,1,2-Trichloroethane	4.57	1.2	4.6	4.6	U	4.6	U	ppb v/v
75-35-4	1,1-Dichloroethene	4.57	3.2	18	35		35		ug/m3
75-35-4	1,1-Dichloroethene	4.57	0.8	4.6	8.7		8.7		ppb v/v
107-06-2	1,2-Dichloroethane	4.57	4.4	18	18	U	18	U	ug/m3
107-06-2	1,2-Dichloroethane	4.57	1.1	4.6	4.6	U	4.6	U	ppb v/v
71-43-2	Benzene	4.57	4.2	15	24		24		ug/m3
71-43-2	Benzene	4.57	1.3	4.6	7.4		7.4		ppb v/v
156-59-2	cis-1,2-Dichloroethene	4.57	5.4	18	1500		1500		ug/m3
156-59-2	cis-1,2-Dichloroethene	4.57	1.4	4.6	380		380		ppb v/v
75-09-2	Methylene Chloride	4.57	26	40	40	U	40	U	ug/m3
75-09-2	Methylene Chloride	4.57	7.4	11	11	U	11	U	ppb v/v
127-18-4	Tetrachloroethene	4.57	6.2	31	87		87		ug/m3
127-18-4	Tetrachloroethene	4.57	0.91	4.6	13		13		ppb v/v
108-88-3	Toluene	4.57	26	26	26	U	26	U	ug/m3
108-88-3	Toluene	4.57	6.9	6.9	6.9	U	6.9	U	ppb v/v
156-60-5	trans-1,2-Dichloroethene	4.57	4.5	18	15	J	15	J	ug/m3
156-60-5	trans-1,2-Dichloroethene	4.57	1.1	4.6	3.7	J	3.7	J	ppb v/v
79-01-6	Trichloroethene	4.57	4.3	12	3000		3000		ug/m3
79-01-6	Trichloroethene	4.57	0.8	2.3	550		550		ppb v/v
75-01-4	Vinyl chloride	4.57	4.2	5.8	5.8	U	5.8	U	ug/m3
75-01-4	Vinyl chloride	4.57	1.7	2.3	2.3	U	2.3	U	ppb v/v

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Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0120IA0A5**

Sample Matrix: **Air**

Total/Dissolved: **T**

Site ID: **NA**

Sample Date: **01/20/2017**

Lab: **TAKNX**

Sample Type: **Site Sample**

Analysis Date: **01/25/2017 9:54 PM**

Lab Sample ID: **140-6873-10**

Method: **TO-15**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.082	J	0.082	J	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.021	J	0.021	J	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.099	J	0.099	J	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.024	J	0.024	J	ppb v/v
71-43-2	Benzene	1	0.073	0.26	1		1		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.32		0.32		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	2.3		2.3		ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.58		0.58		ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	11		11		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	3.1		3.1		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	3.1		3.1		ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.45		0.45		ppb v/v
108-88-3	Toluene	1	0.45	0.45	6.1		6.1		ug/m3
108-88-3	Toluene	1	0.12	0.12	1.6		1.6		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	10		10		ug/m3
79-01-6	Trichloroethene	1	0.014	0.04	1.9		1.9		ppb v/v
75-01-4	Vinyl chloride	1	0.074	0.1	0.1	U	0.1	U	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.04	U	0.04	U	ppb v/v

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Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0120IA0A1**
 Site ID: **NA**
 Sample Type: **Site Sample**
 Lab Sample ID: **140-6873-11**
 Method: **TO-15**

Sample Matrix: **Air**
 Sample Date: **01/20/2017**
 Analysis Date: **01/25/2017 10:46 PM**

Total/Dissolved: **T**
 Lab: **TAKNX**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.12	J	0.12	J	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.031	J	0.031	J	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.095	J	0.095	J	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.023	J	0.023	J	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.95		0.95		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.3		0.3		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	1.8		1.8		ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.46		0.46		ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	25		25		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	7.2		7.2		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.7		0.7		ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.1		0.1		ppb v/v
108-88-3	Toluene	1	0.45	0.45	6.7		6.7		ug/m3
108-88-3	Toluene	1	0.12	0.12	1.8		1.8		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	6.6		6.6		ug/m3
79-01-6	Trichloroethene	1	0.014	0.04	1.2		1.2		ppb v/v
75-01-4	Vinyl chloride	1	0.074	0.1	0.1	U	0.1	U	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.04	U	0.04	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit
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Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0120IA0A6**

Sample Matrix: **Air**

Total/Dissolved: **T**

Site ID: **NA**

Sample Date: **01/20/2017**

Lab: **TAKNX**

Sample Type: **Site Sample**

Analysis Date: **01/25/2017 11:39 PM**

Lab Sample ID: **140-6873-12**

Method: **TO-15**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.13	J	0.13	J	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.034	J	0.034	J	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.096	J	0.096	J	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.024	J	0.024	J	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.9		0.9		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.28		0.28		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	1.9		1.9		ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.47		0.47		ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	2.1		2.1		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	0.59		0.59		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.77		0.77		ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.11		0.11		ppb v/v
108-88-3	Toluene	1	0.45	0.45	4.8		4.8		ug/m3
108-88-3	Toluene	1	0.12	0.12	1.3		1.3		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	6.9		6.9		ug/m3
79-01-6	Trichloroethene	1	0.014	0.04	1.3		1.3		ppb v/v
75-01-4	Vinyl chloride	1	0.074	0.1	0.1	U	0.1	U	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.04	U	0.04	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0120IA0A7**

Sample Matrix: **Air**

Total/Dissolved: **T**

Site ID: **NA**

Sample Date: **01/20/2017**

Lab: **TAKNX**

Sample Type: **Site Sample**

Analysis Date: **01/26/2017 12:32 AM**

Lab Sample ID: **140-6873-13**

Method: **TO-15**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.098	J	0.098	J	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.025	J	0.025	J	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.11	J	0.11	J	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.026	J	0.026	J	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.83		0.83		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.26		0.26		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	1.6		1.6		ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.41		0.41		ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	7		7		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	2		2		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.95		0.95		ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.14		0.14		ppb v/v
108-88-3	Toluene	1	0.45	0.45	5.2		5.2		ug/m3
108-88-3	Toluene	1	0.12	0.12	1.4		1.4		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	7.4		7.4		ug/m3
79-01-6	Trichloroethene	1	0.014	0.04	1.4		1.4		ppb v/v
75-01-4	Vinyl chloride	1	0.074	0.1	0.1	U	0.1	U	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.04	U	0.04	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0120IA0A8**

Sample Matrix: **Air**

Total/Dissolved: **T**

Site ID: **NA**

Sample Date: **01/20/2017**

Lab: **TAKNX**

Sample Type: **Site Sample**

Analysis Date: **01/26/2017 1:25 AM**

Lab Sample ID: **140-6873-14**

Method: **TO-15**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.092	J	0.092	J	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.023	J	0.023	J	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.09	J	0.09	J	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.022	J	0.022	J	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.88		0.88		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.28		0.28		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	1.6		1.6		ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.41		0.41		ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	4.3		4.3		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	1.3		1.3		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.86		0.86		ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.13		0.13		ppb v/v
108-88-3	Toluene	1	0.45	0.45	5		5		ug/m3
108-88-3	Toluene	1	0.12	0.12	1.3		1.3		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	7.4		7.4		ug/m3
79-01-6	Trichloroethene	1	0.014	0.04	1.4		1.4		ppb v/v
75-01-4	Vinyl chloride	1	0.074	0.1	0.1	U	0.1	U	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.04	U	0.04	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: GRMS0120IA0B1

Sample Matrix: Air

Total/Dissolved: T

Site ID: NA

Sample Date: 01/20/2017

Lab: TAKNX

Sample Type: Site Sample

Analysis Date: 01/26/2017 2:18 AM

Lab Sample ID: 140-6873-15

Method: TO-15

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.14	J	0.14	J	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.036	J	0.036	J	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.32	U	0.32	U	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.08	U	0.08	U	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.76		0.76		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.24		0.24		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	3.7		3.7		ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.94		0.94		ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	4.7		4.7		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	1.3		1.3		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.76		0.76		ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.11		0.11		ppb v/v
108-88-3	Toluene	1	0.45	0.45	4.5		4.5		ug/m3
108-88-3	Toluene	1	0.12	0.12	1.2		1.2		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	23		23		ug/m3
79-01-6	Trichloroethene	1	0.014	0.04	4.2		4.2		ppb v/v
75-01-4	Vinyl chloride	1	0.074	0.1	0.096	J	0.096	J	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.038	J	0.038	J	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0120IA0B2**

Sample Matrix: **Air**

Total/Dissolved: **T**

Site ID: **NA**

Sample Date: **01/20/2017**

Lab: **TAKNX**

Sample Type: **Site Sample**

Analysis Date: **01/25/2017 3:59 PM**

Lab Sample ID: **140-6873-16**

Method: **TO-15**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.071	J	0.071	J	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.018	J	0.018	J	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.32	U	0.32	U	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.08	U	0.08	U	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.69		0.69		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.22		0.22		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	2.9		2.9		ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.73		0.73		ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	1.5		1.5		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	0.43		0.43		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.62		0.62		ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.092		0.092		ppb v/v
108-88-3	Toluene	1	0.45	0.45	4.5		4.5		ug/m3
108-88-3	Toluene	1	0.12	0.12	1.2		1.2		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	22		22		ug/m3
79-01-6	Trichloroethene	1	0.014	0.04	4.2		4.2		ppb v/v
75-01-4	Vinyl chloride	1	0.074	0.1	0.1	U	0.1	U	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.04	U	0.04	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: GRMS0120IA0B3

Sample Matrix: Air

Total/Dissolved: T

Site ID: NA

Sample Date: 01/20/2017

Lab: TAKNX

Sample Type: Site Sample

Analysis Date: 01/25/2017 4:46 PM

Lab Sample ID: 140-6873-17

Method: TO-15

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.14	J	0.14	J	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.037	J	0.037	J	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.32	U	0.32	U	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.08	U	0.08	U	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.51		0.51		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.16		0.16		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	2.7		2.7		ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.68		0.68		ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	1.7		1.7		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	0.48		0.48		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.6		0.6		ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.088		0.088		ppb v/v
108-88-3	Toluene	1	0.45	0.45	5.1		5.1		ug/m3
108-88-3	Toluene	1	0.12	0.12	1.3		1.3		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	81		81		ug/m3
79-01-6	Trichloroethene	1	0.014	0.04	15		15		ppb v/v
75-01-4	Vinyl chloride	1	0.074	0.1	0.1	U	0.1	U	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.04	U	0.04	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0120IA0B4**

Sample Matrix: **Air**

Total/Dissolved: **T**

Site ID: **NA**

Sample Date: **01/20/2017**

Lab: **TAKNX**

Sample Type: **Site Sample**

Analysis Date: **01/26/2017 6:35 PM**

Lab Sample ID: **140-6873-18**

Method: **TO-15**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.059	J	0.059	J	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.015	J	0.015	J	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.32	U	0.32	U	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.08	U	0.08	U	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.47		0.47		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.15		0.15		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	2.7		2.7		ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.69		0.69		ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	1.1		1.1		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	0.32		0.32		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.57		0.57		ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.084		0.084		ppb v/v
108-88-3	Toluene	1	0.45	0.45	3.2		3.2		ug/m3
108-88-3	Toluene	1	0.12	0.12	0.85		0.85		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	12		12		ug/m3
79-01-6	Trichloroethene	1	0.014	0.04	2.3		2.3		ppb v/v
75-01-4	Vinyl chloride	1	0.074	0.1	0.097	J	0.097	J	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.038	J	0.038	J	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: GRMS0120IA0B5

Sample Matrix: Air

Total/Dissolved: T

Site ID: NA

Sample Date: 01/20/2017

Lab: TAKNX

Sample Type: Site Sample

Analysis Date: 01/26/2017 7:22 PM

Lab Sample ID: 140-6873-19

Method: TO-15

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.06	J	0.06	J	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.015	J	0.015	J	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.32	U	0.32	U	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.08	U	0.08	U	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.47		0.47		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.15		0.15		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	2.7		2.7		ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.67		0.67		ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	1.2		1.2		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	0.36		0.36		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.66		0.66		ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.097		0.097		ppb v/v
108-88-3	Toluene	1	0.45	0.45	3.3		3.3		ug/m3
108-88-3	Toluene	1	0.12	0.12	0.87		0.87		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	12		12		ug/m3
79-01-6	Trichloroethene	1	0.014	0.04	2.3		2.3		ppb v/v
75-01-4	Vinyl chloride	1	0.074	0.1	0.078	J	0.078	J	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.031	J	0.031	J	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0119SS2**

Sample Matrix: **Air**

Total/Dissolved: **T**

Site ID: **NA**

Sample Date: **01/19/2017**

Lab: **TAKNX**

Sample Type: **Site Sample**

Analysis Date: **01/26/2017 5:45 PM**

Lab Sample ID: **140-6873-2**

Method: **TO-15**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1518.	440	1700	1700	U	1700	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1518.	80	300	300	U	300	U	ppb v/v
75-35-4	1,1-Dichloroethene	1518.	210	1200	1200	U	1200	U	ug/m3
75-35-4	1,1-Dichloroethene	1518.	53	300	300	U	300	U	ppb v/v
107-06-2	1,2-Dichloroethane	1518.	290	1200	1200	U	1200	U	ug/m3
107-06-2	1,2-Dichloroethane	1518.	72	300	300	U	300	U	ppb v/v
71-43-2	Benzene	1518.	280	970	970	U	970	U	ug/m3
71-43-2	Benzene	1518.	87	300	300	U	300	U	ppb v/v
156-59-2	cis-1,2-Dichloroethene	1518.	360	1200	38000		38000		ug/m3
156-59-2	cis-1,2-Dichloroethene	1518.	91	300	9600		9600		ppb v/v
75-09-2	Methylene Chloride	1518.	1700	2600	2600	U	2600	U	ug/m3
75-09-2	Methylene Chloride	1518.	490	760	760	U	760	U	ppb v/v
127-18-4	Tetrachloroethene	1518.	410	2100	490	J	490	J	ug/m3
127-18-4	Tetrachloroethene	1518.	61	300	72	J	72	J	ppb v/v
108-88-3	Toluene	1518.	1700	1700	1700	U	1700	U	ug/m3
108-88-3	Toluene	1518.	460	460	460	U	460	U	ppb v/v
156-60-5	trans-1,2-Dichloroethene	1518.	300	1200	360	J	360	J	ug/m3
156-60-5	trans-1,2-Dichloroethene	1518.	76	300	92	J	92	J	ppb v/v
79-01-6	Trichloroethene	1518.	290	820	220000		220000		ug/m3
79-01-6	Trichloroethene	1518.	53	150	40000		40000		ppb v/v
75-01-4	Vinyl chloride	1518.	280	390	390	U	390	U	ug/m3
75-01-4	Vinyl chloride	1518.	110	150	150	U	150	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: GRMS0120IA0B6

Sample Matrix: Air

Total/Dissolved: T

Site ID: NA

Sample Date: 01/20/2017

Lab: TAKNX

Sample Type: Site Sample

Analysis Date: 01/25/2017 7:09 PM

Lab Sample ID: 140-6873-20

Method: TO-15

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.32	U	0.32	U	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.08	U	0.08	U	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.32	U	0.32	U	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.08	U	0.08	U	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.45		0.45		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.14		0.14		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	2.4		2.4		ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.62		0.62		ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	1.8		1.8		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	0.51		0.51		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	1		1		ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.15		0.15		ppb v/v
108-88-3	Toluene	1	0.45	0.45	2.4		2.4		ug/m3
108-88-3	Toluene	1	0.12	0.12	0.64		0.64		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	6.5		6.5		ug/m3
79-01-6	Trichloroethene	1	0.014	0.04	1.2		1.2		ppb v/v
75-01-4	Vinyl chloride	1	0.074	0.1	0.077	J	0.077	J	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.03	J	0.03	J	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0120IA0B7**

Sample Matrix: **Air**

Total/Dissolved: **T**

Site ID: **NA**

Sample Date: **01/20/2017**

Lab: **TAKNX**

Sample Type: **Site Sample**

Analysis Date: **01/25/2017 7:57 PM**

Lab Sample ID: **140-6873-21**

Method: **TO-15**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.099	J	0.099	J	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.025	J	0.025	J	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.32	U	0.32	U	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.08	U	0.08	U	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.65		0.65		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.2		0.2		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	3.1		3.1		ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.77		0.77		ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	1.2		1.2		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	0.36		0.36		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.78		0.78		ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.11		0.11		ppb v/v
108-88-3	Toluene	1	0.45	0.45	4.3		4.3		ug/m3
108-88-3	Toluene	1	0.12	0.12	1.1		1.1		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	35		35		ug/m3
79-01-6	Trichloroethene	1	0.014	0.04	6.4		6.4		ppb v/v
75-01-4	Vinyl chloride	1	0.074	0.1	0.087	J	0.087	J	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.034	J	0.034	J	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: GRMS01200A001

Sample Matrix: Air

Total/Dissolved: T

Site ID: NA

Sample Date: 01/20/2017

Lab: TAKNX

Sample Type: Site Sample

Analysis Date: 01/25/2017 8:45 PM

Lab Sample ID: 140-6873-22

Method: TO-15

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.32	U	0.32	U	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.08	U	0.08	U	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.32	U	0.32	U	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.08	U	0.08	U	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.53		0.53		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.16		0.16		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	0.32	U	0.32	U	ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.08	U	0.08	U	ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	3.7		3.7		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	1.1		1.1		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.19	J	0.19	J	ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.028	J	0.028	J	ppb v/v
108-88-3	Toluene	1	0.45	0.45	1.5		1.5		ug/m3
108-88-3	Toluene	1	0.12	0.12	0.41		0.41		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	0.16	J	0.21	U	ug/m3 *
79-01-6	Trichloroethene	1	0.014	0.04	0.029	J	0.04	U	ppb v/v *
75-01-4	Vinyl chloride	1	0.074	0.1	0.1	U	0.1	U	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.04	U	0.04	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS01200A002**
 Site ID: **NA**
 Sample Type: **Site Sample**
 Lab Sample ID: **140-6873-23**
 Method: **TO-15**

Sample Matrix: **Air**
 Sample Date: **01/20/2017**
 Analysis Date: **01/25/2017 9:34 PM**

Total/Dissolved: **T**
 Lab: **TAKNX**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.32	U	0.32	U	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.08	U	0.08	U	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.32	U	0.32	U	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.08	U	0.08	U	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.36		0.36		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.11		0.11		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	0.14	J	0.32	U	ug/m3 *
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.036	J	0.08	U	ppb v/v *
75-09-2	Methylene Chloride	1	0.45	0.69	2.6		2.6		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	0.75		0.75		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.12	J	0.12	J	ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.018	J	0.018	J	ppb v/v
108-88-3	Toluene	1	0.45	0.45	1.1		1.1		ug/m3
108-88-3	Toluene	1	0.12	0.12	0.28		0.28		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	0.77		3.02	U	ug/m3 *
79-01-6	Trichloroethene	1	0.014	0.04	0.14		0.55	U	ppb v/v *
75-01-4	Vinyl chloride	1	0.074	0.1	0.1	U	0.1	U	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.04	U	0.04	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: GRMS01200A003

Sample Matrix: Air

Total/Dissolved: T

Site ID: NA

Sample Date: 01/20/2017

Lab: TAKNX

Sample Type: Site Sample

Analysis Date: 01/25/2017 10:22 PM

Lab Sample ID: 140-6873-24

Method: TO-15

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.32	U	0.32	U	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.08	U	0.08	U	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.32	U	0.32	U	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.08	U	0.08	U	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.34		0.34		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.11		0.11		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	0.32	U	0.32	U	ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.08	U	0.08	U	ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	1.9		1.9		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	0.55		0.55		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.54	U	0.54	U	ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.08	U	0.08	U	ppb v/v
108-88-3	Toluene	1	0.45	0.45	0.74		0.74		ug/m3
108-88-3	Toluene	1	0.12	0.12	0.2		0.2		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	0.13	J	0.21	U	ug/m3 *
79-01-6	Trichloroethene	1	0.014	0.04	0.024	J	0.04	U	ppb v/v *
75-01-4	Vinyl chloride	1	0.074	0.1	0.1	U	0.1	U	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.04	U	0.04	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: GRMS01200A004

Sample Matrix: Air

Total/Dissolved: T

Site ID: NA

Sample Date: 01/20/2017

Lab: TAKNX

Sample Type: Site Sample

Analysis Date: 01/25/2017 11:08 PM

Lab Sample ID: 140-6873-25

Method: TO-15

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.32	U	0.32	U	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.08	U	0.08	U	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.32	U	0.32	U	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.08	U	0.08	U	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.38		0.38		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.12		0.12		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	0.12	J	0.32	U	ug/m3 *
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.031	J	0.08	U	ppb v/v *
75-09-2	Methylene Chloride	1	0.45	0.69	2.1		2.1		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	0.6		0.6		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.54	U	0.54	U	ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.08	U	0.08	U	ppb v/v
108-88-3	Toluene	1	0.45	0.45	0.86		0.86		ug/m3
108-88-3	Toluene	1	0.12	0.12	0.23		0.23		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	0.11	J	0.21	U	ug/m3 *
79-01-6	Trichloroethene	1	0.014	0.04	0.021	J	0.04	U	ppb v/v *
75-01-4	Vinyl chloride	1	0.074	0.1	0.1	U	0.1	U	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.04	U	0.04	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: GRMS01200A005

Sample Matrix: Air

Total/Dissolved: T

Site ID: NA

Sample Date: 01/20/2017

Lab: TAKNX

Sample Type: Site Sample

Analysis Date: 01/25/2017 11:55 PM

Lab Sample ID: 140-6873-26

Method: TO-15

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.32	U	0.32	U	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.08	U	0.08	U	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.32	U	0.32	U	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.08	U	0.08	U	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.44		0.44		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.14		0.14		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	0.14	J	0.32	U	ug/m3 *
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.036	J	0.08	U	ppb v/v *
75-09-2	Methylene Chloride	1	0.45	0.69	1.8		1.8		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	0.5		0.5		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.47	J	0.47	J	ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.069	J	0.069	J	ppb v/v
108-88-3	Toluene	1	0.45	0.45	1.2		1.2		ug/m3
108-88-3	Toluene	1	0.12	0.12	0.32		0.32		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	0.13	J	0.21	U	ug/m3 *
79-01-6	Trichloroethene	1	0.014	0.04	0.024	J	0.04	U	ppb v/v *
75-01-4	Vinyl chloride	1	0.074	0.1	0.1	U	0.1	U	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.04	U	0.04	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: GRMS01200A006

Sample Matrix: Air

Total/Dissolved: T

Site ID: NA

Sample Date: 01/20/2017

Lab: TAKNX

Sample Type: Site Sample

Analysis Date: 01/26/2017 12:43 AM

Lab Sample ID: 140-6873-27

Method: TO-15

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.32	U	0.32	U	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.08	U	0.08	U	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.32	U	0.32	U	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.08	U	0.08	U	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.48		0.48		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.15		0.15		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	0.32	U	0.32	U	ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.08	U	0.08	U	ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	1.6		1.6		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	0.45		0.45		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.54	U	0.54	U	ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.08	U	0.08	U	ppb v/v
108-88-3	Toluene	1	0.45	0.45	1.3		1.3		ug/m3
108-88-3	Toluene	1	0.12	0.12	0.34		0.34		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	0.21	U	0.21	U	ug/m3
79-01-6	Trichloroethene	1	0.014	0.04	0.04	U	0.04	U	ppb v/v
75-01-4	Vinyl chloride	1	0.074	0.1	0.1	U	0.1	U	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.04	U	0.04	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0120OABS1**

Sample Matrix: **Air**

Total/Dissolved: **T**

Site ID: **NA**

Sample Date: **01/20/2017**

Lab: **TAKNX**

Sample Type: **Site Sample**

Analysis Date: **01/26/2017 1:31 AM**

Lab Sample ID: **140-6873-28**

Method: **TO-15**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.32	U	0.32	U	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.08	U	0.08	U	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.32	U	0.32	U	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.08	U	0.08	U	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.63		0.63		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.2		0.2		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	6.4		6.4		ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	1.6		1.6		ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	1.5		1.5		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	0.44		0.44		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.3	J	0.3	J	ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.044	J	0.044	J	ppb v/v
108-88-3	Toluene	1	0.45	0.45	1.6		1.6		ug/m3
108-88-3	Toluene	1	0.12	0.12	0.43		0.43		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	13		13		ug/m3
79-01-6	Trichloroethene	1	0.014	0.04	2.5		2.5		ppb v/v
75-01-4	Vinyl chloride	1	0.074	0.1	0.38		0.38		ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.15		0.15		ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0120OABS2**

Sample Matrix: **Air**

Total/Dissolved: **T**

Site ID: **NA**

Sample Date: **01/20/2017**

Lab: **TAKNX**

Sample Type: **Site Sample**

Analysis Date: **01/26/2017 2:19 AM**

Lab Sample ID: **140-6873-29**

Method: **TO-15**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.32	U	0.32	U	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.08	U	0.08	U	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.32	U	0.32	U	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.08	U	0.08	U	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.62		0.62		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.19		0.19		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	6.7		6.7		ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	1.7		1.7		ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	3.1		3.1		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	0.9		0.9		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.27	J	0.27	J	ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.04	J	0.04	J	ppb v/v
108-88-3	Toluene	1	0.45	0.45	1.8		1.8		ug/m3
108-88-3	Toluene	1	0.12	0.12	0.49		0.49		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	14		14		ug/m3
79-01-6	Trichloroethene	1	0.014	0.04	2.5		2.5		ppb v/v
75-01-4	Vinyl chloride	1	0.074	0.1	0.4		0.4		ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.15		0.15		ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0119SS3**

Sample Matrix: **Air**

Total/Dissolved: **T**

Site ID: **NA**

Sample Date: **01/19/2017**

Lab: **TAKNX**

Sample Type: **Site Sample**

Analysis Date: **01/27/2017 5:11 PM**

Lab Sample ID: **140-6873-3**

Method: **TO-15**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1.47	1.1	4.4	4.4	U	4.4	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1.47	0.21	0.8	0.8	U	0.8	U	ppb v/v
75-35-4	1,1-Dichloroethene	1.47	0.56	3.2	3.2	U	3.2	U	ug/m3
75-35-4	1,1-Dichloroethene	1.47	0.14	0.8	0.8	U	0.8	U	ppb v/v
107-06-2	1,2-Dichloroethane	1.47	0.77	3.2	3.2	U	3.2	U	ug/m3
107-06-2	1,2-Dichloroethane	1.47	0.19	0.8	0.8	U	0.8	U	ppb v/v
71-43-2	Benzene	1.47	0.73	2.6	2.6	U	2.6	U	ug/m3
71-43-2	Benzene	1.47	0.23	0.8	0.8	U	0.8	U	ppb v/v
156-59-2	cis-1,2-Dichloroethene	1.47	0.95	3.2	3.2	U	3.2	U	ug/m3
156-59-2	cis-1,2-Dichloroethene	1.47	0.24	0.8	0.8	U	0.8	U	ppb v/v
75-09-2	Methylene Chloride	1.47	4.5	6.9	6.9	U	6.9	U	ug/m3
75-09-2	Methylene Chloride	1.47	1.3	2	2	U	2	U	ppb v/v
127-18-4	Tetrachloroethene	1.47	1.1	5.4	37		37		ug/m3
127-18-4	Tetrachloroethene	1.47	0.16	0.8	5.5		5.5		ppb v/v
108-88-3	Toluene	1.47	4.5	4.5	4.5	U	4.5	U	ug/m3
108-88-3	Toluene	1.47	1.2	1.2	1.2	U	1.2	U	ppb v/v
156-60-5	trans-1,2-Dichloroethene	1.47	0.79	3.2	3.2	U	3.2	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1.47	0.2	0.8	0.8	U	0.8	U	ppb v/v
79-01-6	Trichloroethene	1.47	0.75	2.1	70		70		ug/m3
79-01-6	Trichloroethene	1.47	0.14	0.4	13		13		ppb v/v
75-01-4	Vinyl chloride	1.47	0.74	1	1	U	1	U	ug/m3
75-01-4	Vinyl chloride	1.47	0.29	0.4	0.4	U	0.4	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0118CS001**

Sample Matrix: **Air**

Total/Dissolved: **T**

Site ID: **NA**

Sample Date: **01/18/2017**

Lab: **TAKNX**

Sample Type: **Site Sample**

Analysis Date: **01/27/2017 9:05 PM**

Lab Sample ID: **140-6873-30**

Method: **TO-15**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	7.84	45	170	170	U	170	U	ug/m3
79-00-5	1,1,2-Trichloroethane	7.84	8.2	31	31	U	31	U	ppb v/v
75-35-4	1,1-Dichloroethene	7.84	22	120	120	U	120	U	ug/m3
75-35-4	1,1-Dichloroethene	7.84	5.5	31	31	U	31	U	ppb v/v
107-06-2	1,2-Dichloroethane	7.84	30	130	130	U	130	U	ug/m3
107-06-2	1,2-Dichloroethane	7.84	7.4	31	31	U	31	U	ppb v/v
71-43-2	Benzene	7.84	29	100	100	U	100	U	ug/m3
71-43-2	Benzene	7.84	9	31	31	U	31	U	ppb v/v
156-59-2	cis-1,2-Dichloroethene	7.84	37	120	51	J	120	U	ug/m3 *
156-59-2	cis-1,2-Dichloroethene	7.84	9.4	31	13	J	31	U	ppb v/v *
75-09-2	Methylene Chloride	7.84	180	270	18000		18000		ug/m3
75-09-2	Methylene Chloride	7.84	51	78	5300		5300		ppb v/v
127-18-4	Tetrachloroethene	7.84	43	210	3300		3300		ug/m3
127-18-4	Tetrachloroethene	7.84	6.3	31	490		490		ppb v/v
108-88-3	Toluene	7.84	180	180	180	U	180	U	ug/m3
108-88-3	Toluene	7.84	47	47	47	U	47	U	ppb v/v
156-60-5	trans-1,2-Dichloroethene	7.84	31	120	120	U	120	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	7.84	7.8	31	31	U	31	U	ppb v/v
79-01-6	Trichloroethene	7.84	29	84	43	J	84	U	ug/m3 *
79-01-6	Trichloroethene	7.84	5.5	16	8	J	16	U	ppb v/v *
75-01-4	Vinyl chloride	7.84	29	40	40	U	40	U	ug/m3
75-01-4	Vinyl chloride	7.84	11	16	16	U	16	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: GRMS0118CS002

Sample Matrix: Air

Total/Dissolved: T

Site ID: NA

Sample Date: 01/18/2017

Lab: TAKNX

Sample Type: Site Sample

Analysis Date: 01/27/2017 9:51 PM

Lab Sample ID: 140-6873-31

Method: TO-15

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	1.1	4.4	4.4	U	4.4	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.21	0.8	0.8	U	0.8	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.56	3.2	3.2	U	3.2	U	ug/m3
75-35-4	1,1-Dichloroethene	1	0.14	0.8	0.8	U	0.8	U	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.77	3.2	3.2	U	3.2	U	ug/m3
107-06-2	1,2-Dichloroethane	1	0.19	0.8	0.8	U	0.8	U	ppb v/v
71-43-2	Benzene	1	0.73	2.6	1.2	J	2.6	U	ug/m3 *
71-43-2	Benzene	1	0.23	0.8	0.38	J	0.8	U	ppb v/v *
156-59-2	cis-1,2-Dichloroethene	1	0.95	3.2	2.1	J	3.2	U	ug/m3 *
156-59-2	cis-1,2-Dichloroethene	1	0.24	0.8	0.52	J	0.8	U	ppb v/v *
75-09-2	Methylene Chloride	1	4.5	6.9	13		13		ug/m3
75-09-2	Methylene Chloride	1	1.3	2	3.9		3.9		ppb v/v
127-18-4	Tetrachloroethene	1	1.1	5.4	150		150		ug/m3
127-18-4	Tetrachloroethene	1	0.16	0.8	22		22		ppb v/v
108-88-3	Toluene	1	4.5	4.5	8.1		8.1		ug/m3
108-88-3	Toluene	1	1.2	1.2	2.1		2.1		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.79	3.2	3.2	U	3.2	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.2	0.8	0.8	U	0.8	U	ppb v/v
79-01-6	Trichloroethene	1	0.75	2.1	8.7		8.7		ug/m3
79-01-6	Trichloroethene	1	0.14	0.4	1.6		1.6		ppb v/v
75-01-4	Vinyl chloride	1	0.74	1	1	U	1	U	ug/m3
75-01-4	Vinyl chloride	1	0.29	0.4	0.4	U	0.4	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0119SS4**

Sample Matrix: **Air**

Total/Dissolved: **T**

Site ID: **NA**

Sample Date: **01/19/2017**

Lab: **TAKNX**

Sample Type: **Site Sample**

Analysis Date: **01/27/2017 5:58 PM**

Lab Sample ID: **140-6873-4**

Method: **TO-15**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1077.	620	2400	2400	U	2400	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1077.	110	430	430	U	430	U	ppb v/v
75-35-4	1,1-Dichloroethene	1077.	300	1700	660	J	660	J	ug/m3
75-35-4	1,1-Dichloroethene	1077.	75	430	170	J	170	J	ppb v/v
107-06-2	1,2-Dichloroethane	1077.	410	1700	1700	U	1700	U	ug/m3
107-06-2	1,2-Dichloroethane	1077.	100	430	430	U	430	U	ppb v/v
71-43-2	Benzene	1077.	400	1400	1400	U	1400	U	ug/m3
71-43-2	Benzene	1077.	120	430	430	U	430	U	ppb v/v
156-59-2	cis-1,2-Dichloroethene	1077.	510	1700	53000		53000		ug/m3
156-59-2	cis-1,2-Dichloroethene	1077.	130	430	13000		13000		ppb v/v
75-09-2	Methylene Chloride	1077.	2400	3700	3700	U	3700	U	ug/m3
75-09-2	Methylene Chloride	1077.	700	1100	1100	U	1100	U	ppb v/v
127-18-4	Tetrachloroethene	1077.	580	2900	2900	U	2900	U	ug/m3
127-18-4	Tetrachloroethene	1077.	86	430	430	U	430	U	ppb v/v
108-88-3	Toluene	1077.	2400	2400	2400	U	2400	U	ug/m3
108-88-3	Toluene	1077.	650	650	650	U	650	U	ppb v/v
156-60-5	trans-1,2-Dichloroethene	1077.	430	1700	1500	J	1500	J	ug/m3
156-60-5	trans-1,2-Dichloroethene	1077.	110	430	390	J	390	J	ppb v/v
79-01-6	Trichloroethene	1077.	410	1200	220000		220000		ug/m3
79-01-6	Trichloroethene	1077.	75	220	41000		41000		ppb v/v
75-01-4	Vinyl chloride	1077.	400	550	550	U	550	U	ug/m3
75-01-4	Vinyl chloride	1077.	160	220	220	U	220	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0119SS5**

Sample Matrix: **Air**

Total/Dissolved: **T**

Site ID: **NA**

Sample Date: **01/19/2017**

Lab: **TAKNX**

Sample Type: **Site Sample**

Analysis Date: **01/27/2017 6:44 PM**

Lab Sample ID: **140-6873-5**

Method: **TO-15**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	151.3	220	830	830	U	830	U	ug/m3
79-00-5	1,1,2-Trichloroethane	151.3	40	150	150	U	150	U	ppb v/v
75-35-4	1,1-Dichloroethene	151.3	100	600	600	U	600	U	ug/m3
75-35-4	1,1-Dichloroethene	151.3	26	150	150	U	150	U	ppb v/v
107-06-2	1,2-Dichloroethane	151.3	150	610	610	U	610	U	ug/m3
107-06-2	1,2-Dichloroethane	151.3	36	150	150	U	150	U	ppb v/v
71-43-2	Benzene	151.3	140	480	480	U	480	U	ug/m3
71-43-2	Benzene	151.3	43	150	150	U	150	U	ppb v/v
156-59-2	cis-1,2-Dichloroethene	151.3	180	600	7900		7900		ug/m3
156-59-2	cis-1,2-Dichloroethene	151.3	45	150	2000		2000		ppb v/v
75-09-2	Methylene Chloride	151.3	850	1300	1300	U	1300	U	ug/m3
75-09-2	Methylene Chloride	151.3	250	380	380	U	380	U	ppb v/v
127-18-4	Tetrachloroethene	151.3	210	1000	1000	U	1000	U	ug/m3
127-18-4	Tetrachloroethene	151.3	30	150	150	U	150	U	ppb v/v
108-88-3	Toluene	151.3	860	860	860	U	860	U	ug/m3
108-88-3	Toluene	151.3	230	230	230	U	230	U	ppb v/v
156-60-5	trans-1,2-Dichloroethene	151.3	150	600	170	J	170	J	ug/m3
156-60-5	trans-1,2-Dichloroethene	151.3	38	150	42	J	42	J	ppb v/v
79-01-6	Trichloroethene	151.3	140	410	110000		110000		ug/m3
79-01-6	Trichloroethene	151.3	26	76	20000		20000		ppb v/v
75-01-4	Vinyl chloride	151.3	140	190	190	U	190	U	ug/m3
75-01-4	Vinyl chloride	151.3	55	76	76	U	76	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0119SS6**

Sample Matrix: **Air**

Total/Dissolved: **T**

Site ID: **NA**

Sample Date: **01/19/2017**

Lab: **TAKNX**

Sample Type: **Site Sample**

Analysis Date: **01/27/2017 7:32 PM**

Lab Sample ID: **140-6873-6**

Method: **TO-15**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	50.67	150	550	550	U	550	U	ug/m3
79-00-5	1,1,2-Trichloroethane	50.67	27	100	100	U	100	U	ppb v/v
75-35-4	1,1-Dichloroethene	50.67	70	400	8300		8300		ug/m3
75-35-4	1,1-Dichloroethene	50.67	18	100	2100		2100		ppb v/v
107-06-2	1,2-Dichloroethane	50.67	97	410	270	J	270	J	ug/m3
107-06-2	1,2-Dichloroethane	50.67	24	100	66	J	66	J	ppb v/v
71-43-2	Benzene	50.67	93	320	320	U	320	U	ug/m3
71-43-2	Benzene	50.67	29	100	100	U	100	U	ppb v/v
156-59-2	cis-1,2-Dichloroethene	50.67	120	400	46000		46000		ug/m3
156-59-2	cis-1,2-Dichloroethene	50.67	30	100	12000		12000		ppb v/v
75-09-2	Methylene Chloride	50.67	570	880	880	U	880	U	ug/m3
75-09-2	Methylene Chloride	50.67	160	250	250	U	250	U	ppb v/v
127-18-4	Tetrachloroethene	50.67	140	690	1200		1200		ug/m3
127-18-4	Tetrachloroethene	50.67	20	100	180		180		ppb v/v
108-88-3	Toluene	50.67	570	570	570	U	570	U	ug/m3
108-88-3	Toluene	50.67	150	150	150	U	150	U	ppb v/v
156-60-5	trans-1,2-Dichloroethene	50.67	100	400	1100		1100		ug/m3
156-60-5	trans-1,2-Dichloroethene	50.67	25	100	280		280		ppb v/v
79-01-6	Trichloroethene	50.67	95	270	39000		39000		ug/m3
79-01-6	Trichloroethene	50.67	18	51	7300		7300		ppb v/v
75-01-4	Vinyl chloride	50.67	94	130	130	U	130	U	ug/m3
75-01-4	Vinyl chloride	50.67	37	51	51	U	51	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0119FB001**
 Site ID: **NA**
 Sample Type: **Field Blank**
 Lab Sample ID: **140-6873-7**
 Method: **TO-15**

Sample Matrix: **Air**
 Sample Date: **01/19/2017**
 Analysis Date: **01/27/2017 8:18 PM**

Total/Dissolved: **T**
 Lab: **TAKNX**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1.41	1.1	4.4	4.4	U	4.4	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1.41	0.21	0.8	0.8	U	0.8	U	ppb v/v
75-35-4	1,1-Dichloroethene	1.41	0.56	3.2	3.2	U	3.2	U	ug/m3
75-35-4	1,1-Dichloroethene	1.41	0.14	0.8	0.8	U	0.8	U	ppb v/v
107-06-2	1,2-Dichloroethane	1.41	0.77	3.2	3.2	U	3.2	U	ug/m3
107-06-2	1,2-Dichloroethane	1.41	0.19	0.8	0.8	U	0.8	U	ppb v/v
71-43-2	Benzene	1.41	0.73	2.6	1.8	J	1.8	J	ug/m3
71-43-2	Benzene	1.41	0.23	0.8	0.56	J	0.56	J	ppb v/v
156-59-2	cis-1,2-Dichloroethene	1.41	0.95	3.2	1.7	J	1.7	J	ug/m3
156-59-2	cis-1,2-Dichloroethene	1.41	0.24	0.8	0.43	J	0.43	J	ppb v/v
75-09-2	Methylene Chloride	1.41	4.5	6.9	6.9	U	6.9	U	ug/m3
75-09-2	Methylene Chloride	1.41	1.3	2	2	U	2	U	ppb v/v
127-18-4	Tetrachloroethene	1.41	1.1	5.4	5.4	U	5.4	U	ug/m3
127-18-4	Tetrachloroethene	1.41	0.16	0.8	0.8	U	0.8	U	ppb v/v
108-88-3	Toluene	1.41	4.5	4.5	4.5	U	4.5	U	ug/m3
108-88-3	Toluene	1.41	1.2	1.2	1.2	U	1.2	U	ppb v/v
156-60-5	trans-1,2-Dichloroethene	1.41	0.79	3.2	3.2	U	3.2	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1.41	0.2	0.8	0.8	U	0.8	U	ppb v/v
79-01-6	Trichloroethene	1.41	0.75	2.1	2.9		2.9		ug/m3
79-01-6	Trichloroethene	1.41	0.14	0.4	0.55		0.55		ppb v/v
75-01-4	Vinyl chloride	1.41	0.74	1	1	U	1	U	ug/m3
75-01-4	Vinyl chloride	1.41	0.29	0.4	0.4	U	0.4	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit
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Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0120IA0A2**

Sample Matrix: **Air**

Total/Dissolved: **T**

Site ID: **NA**

Sample Date: **01/20/2017**

Lab: **TAKNX**

Sample Type: **Site Sample**

Analysis Date: **01/25/2017 8:06 PM**

Lab Sample ID: **140-6873-8**

Method: **TO-15**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.14	J	0.14	J	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.034	J	0.034	J	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.091	J	0.091	J	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.023	J	0.023	J	ppb v/v
71-43-2	Benzene	1	0.073	0.26	0.97		0.97		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.3		0.3		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	2		2		ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.5		0.5		ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	2.1		2.1		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	0.6		0.6		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.78		0.78		ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.11		0.11		ppb v/v
108-88-3	Toluene	1	0.45	0.45	5.4		5.4		ug/m3
108-88-3	Toluene	1	0.12	0.12	1.4		1.4		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	7.6		7.6		ug/m3
79-01-6	Trichloroethene	1	0.014	0.04	1.4		1.4		ppb v/v
75-01-4	Vinyl chloride	1	0.074	0.1	0.1	U	0.1	U	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.04	U	0.04	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

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U = Non-Detect J = Estimated R = Rejected



Form 1 Data Sheet - Volatiles

CTEH

Grenada Stamping Facility - Grenada, MS

SDG: J6873-1

COC Sample ID: **GRMS0120IA0A3**

Sample Matrix: **Air**

Total/Dissolved: **T**

Site ID: **NA**

Sample Date: **01/20/2017**

Lab: **TAKNX**

Sample Type: **Site Sample**

Analysis Date: **01/25/2017 9:00 PM**

Lab Sample ID: **140-6873-9**

Method: **TO-15**

CAS	Parameter Name	DF	MDL	RL	Lab Result	LabQual	Val. Result	Val.Qual	Units
79-00-5	1,1,2-Trichloroethane	1	0.11	0.44	0.44	U	0.44	U	ug/m3
79-00-5	1,1,2-Trichloroethane	1	0.021	0.08	0.08	U	0.08	U	ppb v/v
75-35-4	1,1-Dichloroethene	1	0.056	0.32	0.13	J	0.13	J	ug/m3
75-35-4	1,1-Dichloroethene	1	0.014	0.08	0.033	J	0.033	J	ppb v/v
107-06-2	1,2-Dichloroethane	1	0.077	0.32	0.099	J	0.099	J	ug/m3
107-06-2	1,2-Dichloroethane	1	0.019	0.08	0.025	J	0.025	J	ppb v/v
71-43-2	Benzene	1	0.073	0.26	1		1		ug/m3
71-43-2	Benzene	1	0.023	0.08	0.31		0.31		ppb v/v
156-59-2	cis-1,2-Dichloroethene	1	0.095	0.32	2		2		ug/m3
156-59-2	cis-1,2-Dichloroethene	1	0.024	0.08	0.5		0.5		ppb v/v
75-09-2	Methylene Chloride	1	0.45	0.69	2.2		2.2		ug/m3
75-09-2	Methylene Chloride	1	0.13	0.2	0.64		0.64		ppb v/v
127-18-4	Tetrachloroethene	1	0.11	0.54	0.75		0.75		ug/m3
127-18-4	Tetrachloroethene	1	0.016	0.08	0.11		0.11		ppb v/v
108-88-3	Toluene	1	0.45	0.45	5		5		ug/m3
108-88-3	Toluene	1	0.12	0.12	1.3		1.3		ppb v/v
156-60-5	trans-1,2-Dichloroethene	1	0.079	0.32	0.32	U	0.32	U	ug/m3
156-60-5	trans-1,2-Dichloroethene	1	0.02	0.08	0.08	U	0.08	U	ppb v/v
79-01-6	Trichloroethene	1	0.075	0.21	7.5		7.5		ug/m3
79-01-6	Trichloroethene	1	0.014	0.04	1.4		1.4		ppb v/v
75-01-4	Vinyl chloride	1	0.074	0.1	0.1	U	0.1	U	ug/m3
75-01-4	Vinyl chloride	1	0.029	0.04	0.04	U	0.04	U	ppb v/v

DF = Dilution Factor MDL = Method Detection Limit RL = Reporting Limit

* = Modified by Validation

U = Non-Detect J = Estimated R = Rejected



Appendix II
Chain of Custody



140-6873 Chain of Custody

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

5120 Northshore Drive - North Little Rock, AR 72118 - (p) 501.801.8500



CTEH Project #: 108046- Grenada, MS

Turnaround Requested: Normal Same Day Next Day (24 hr)
 Other (Specify) _____

Data Packet Requested: Standard Level II Level IV

Sample and Extract Retention/Disposal:
 Dispose after 2X hold time
 Retain w/ storage fees after 2X hold time

Send Report To:

Name: **Kelly Scribner Tuttle**
 Company: **CTEH, LLC**
 Address: **5120 North Shore Drive, North Little Rock, Arkansas 72118**
 Phone: **(501)801-8500** Fax: **(501)801-8501**
 e-mail: **labresults@cteh.com; kscribner@cteh.com; cmiliner@cteh.com**
 Accounting: **Send invoices to CTEH_invoicecapture@concurrency.com Invoice # and Vendor name in subject line**

Primary Sample Identification	Secondary Sample Identification	Sample Size	Units	Sample Date	Sample Time (for non-air samples)	Initials	Short list of client-specified Coils (TO-15)	Helium	Matrix
GRMS0119SS1	11135/10931	1	L	1/19/2017		LM	X	X	A
GRMS0119SS2	11278/10244	1	L	1/19/2017		LM	X	X	A
GRMS0119SS3	10960/10937	1	L	1/19/2017		LM	X	X	A
GRMS0119SS4	10840/09891	1	L	1/19/2017		LM	X	X	A
GRMS0119SS5	10345/10317	1	L	1/19/2017		LM	X	X	A
GRMS0119SS6	11132/10952	1	L	1/19/2017		LM	X	X	A
GRMS0119FB001	10970/11439	1	L	1/19/2017		LM	X	X	A
NOT USED									
Received @ ambient, 6 boxes Trk# 7192 5448 955 9670 Custody sealed intact " " 9740 " " 9770 " " 9862 " " 9865 " " 9865									

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
Louise Mahoney	1/23/17	Fedex		38 cans, 6 Tr, 12 KR, 26 Flows
	1/24/17 10:00	KU		



CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

5120 Northshore Drive ▪ North Little Rock, AR 72118 ▪ (p) 501.801.8500

www.cteh.com

CTEH Project #: 108046- Grenada, MS

Turnaround Requested: Normal Same Day Next Day (24 hr)
 Other (Specify) _____

Data Packet Requested: Standard Level II Level IV

Sample and Extract Retention/Disposal:
 Dispose after 2X hold time
 Retain w/ storage fees after 2X hold time

Send Report To:

Name: **Kelly Scribner Tuttle**

Company: **CTEH®, LLC**

Address: **5120 North Shore Drive, North Little Rock, Arkansas 72118**

Phone: **(501)801-8500** Fax: **(501)801-8501**

e-mail: **labresults@cteh.com; kscribner@cteh.com; cmiliner@cteh.com**

Accounting: **Send invoices to CTEH_invoicecapture@concurrency.com Invoice # and Vendor name in subject line**

Lab Contact Information:

Primary Sample Identification	Secondary Sample Identification	Sample Size	Units		Sample Date	Sample Time (for non-air samples)	Initials	Short list of client-specified COIs (TO-15)	Helium	Matrix
			L	cm ² min						
GRMS0120IA0A2	10389/09953	6	L		1/20/2017		LM	X		A
GRMS0120IA0A3	11532/10201	6	L		1/20/2017		LM	X		A
GRMS0120IA0A5	10032/09902	6	L		1/20/2017		LM	X		A
GRMS0120IA0A1	10248/10360	6	L		1/20/2017		LM	X		A
GRMS0120IA0A6	09770/09550	6	L		1/20/2017		LM	X		A
GRMS0120IA0A7	09974/10173	6	L		1/20/2017		LM	X		A
GRMS0120IA0A8	11228/11261	6	L		1/20/2017		LM	X		A
<i>NOT USED</i>										

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
<i>Kelly Tuttle</i>	<i>1/23/17 11:00</i>	<i>K-L</i>	<i>1/24/17 10:00</i>	



CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

5120 Northshore Drive ▪ North Little Rock, AR 72118 ▪ (p) 501.801.8500

www.cteh.com

CTEH Project #: 108046- Grenada, MS

Turnaround Requested: Normal Same Day Next Day (24 hr)
 Other (Specify) _____

Data Packet Requested: Standard Level II Level IV

Sample and Extract Retention/Disposal:
 Dispose after 2X hold time
 Retain w/ storage fees after 2X hold time

Send Report To:

Name: **Kelly Scribner Tuttle**

Company: **CTEH®, LLC**

Address: **5120 North Shore Drive, North Little Rock, Arkansas 72118**

Phone: **(501)801-8500** Fax: **(501)801-8501**

e-mail: **labresults@cteh.com; kscribner@cteh.com; cmilliner@cteh.com**

Accounting: **Send invoices to CTEH_invoicecapture@concursolutions.com Invoice # and Vendor name in subject line**

Primary Sample Identification	Secondary Sample Identification	Sample Size	Units	Sample Date	Sample Time (for non-air samples)	Initials	Short list of client-specified Coils (TO-15)	Helium	Matrix
GRMS0120IA0B1	09543/09656	6	L	1/20/2017		LM	X		A
GRMS0120IA0B2	10308/09650	6	L	1/20/2017		LM	X		A
GRMS0120IA0B3	10607/10875	6	L	1/20/2017		LM	X		A
GRMS0120IA0B4	11171/10649	6	L	1/20/2017		LM	X		A
GRMS0120IA0B5	10043/11507	6	L	1/20/2017		LM	X		A
GRMS0120IA0B6	10118/09560	6	L	1/20/2017		LM	X		A
GRMS0120IA0B7	10416/10646	6	L	1/20/2017		LM	X		A
NOT USED									

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
<i>Kelly Scribner Tuttle</i>	1/23/17 11:00	<i>KCO</i>	1/24/17 1000	



CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM

5120 Northshore Drive ▪ North Little Rock, AR 72118 ▪ (p) 501.801.8500

www.cteh.com

Send Report To:

Name: Kelly Scribner Tuttle
 Company: CTEH®, LLC
 Address: 5120 North Shore Drive, North Little Rock, Arkansas 72118
 Phone: (501)801-8500 Fax: (501)801-8501
 e-mail: labresults@cteh.com; kscribner@cteh.com; cmillner@cteh.com
 Accounting: Send invoices to CTEH_invoicecapture@concurrency.com Invoice # and Vendor name in subject line

CTEH Project #: 108046- Grenada, MS

Turnaround Requested: Normal Same Day Next Day (24 hr)
 Other (Specify) _____

Data Packet Requested: Standard Level II Level IV
 Sample and Extract Retention/Disposal:
 Dispose after 2X hold time
 Retain w/ storage-fees after 2X hold time

Primary Sample Identification	Secondary Sample Identification	Sample Size	Units	Sample Date	Sample Time (for non-air samples)	Initials	Short list of client-specified Coils (T0-15)	Helium	Matrix
GRMS01200A001	09679/09955	6	L	1/20/2017		LM	X		A
GRMS01200A002	10405/10450	6	L	1/20/2017		LM	X		A
GRMS01200A003	10975/10297	6	L	1/20/2017		LM	X		A
GRMS01200A004	11170/11263	6	L	1/20/2017		LM	X		A
GRMS01200A005	10128/11467	6	L	1/20/2017		LM	X		A
GRMS01200A006	11299/09702	6	L	1/20/2017		LM	X		A
GRMS01200ABS1	10414/10661	6	L	1/20/2017		LM	X		A
GRMS01200ABS2	10250/09847	6	L	1/20/2017		LM	X		A
NO TEST									

RELINQUISHED BY	DATE/TIME	RECEIVED BY	DATE/TIME	COMMENTS
<u>Louderman</u>	<u>1/23/17 16:00</u>	<u>Fedy</u>		
		<u>KLW</u>	<u>1/24/17 1:00</u>	

CHAIN OF CUSTODY AND ANALYSIS REQUEST FORM



5120 Northshore Drive • North Little Rock, AR 72118 • (p) 501.801.8500

www.cteh.com

CTEH Project #: 108046- Grenada, MS

Send Report To: _____

Name: Kelly Scribner Tuttle

Company: CTEH, LLC

Address: 5120 North Shore Drive, North Little Rock, Arkansas 72118

Phone: (501) 801-8500

Fax: (501) 801-8501

e-mail: kscribner@cteh.com; cmilliner@cteh.com

Accounting: Send Invoices to cteh_invoice@concurrsolutions.com Invoice # and Vendor name in subject line

Turnaround Requested: Normal Same Day Next Day (24 hr)

Other (Specify) _____

Data Packet Requested: Standard Level II Level IV

Sample and Extract Retention/Disposal: _____

Dispose after 2X hold time

Retain w/ storage fees after 2X hold time

Matrix	A = Air	B = Bulk	S = Soil	SW = Wipe	T = Tape	W = Water	Secondary Sample Identification	Sample Size	Sample Units	Sample Date (for non-air samples)	Sample Time	Initials	Short list of client-specified COS (TO-15)	Helium	Primary Sample Identification
							10524/10936	1	L	1/18/17		LM	X		GRMS0118CS001
							09798/11098	1	L	1/18/17		LM	X		GRMS0118CS002

RELINQUISHED BY: *Wanda McManis*

DATE/TIME: *1/23/17 10:00*

RECEIVED BY: *Edex*

DATE/TIME: *1/24/17 10:00*

COMMENTS: _____

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Are the shipping containers intact?	/			<input type="checkbox"/> Containers, Broken	
2. Were ambient air containers received intact?			/	<input checked="" type="checkbox"/> Checked in lab	
3. The coolers/containers custody seal if present, is it intact?	/			<input type="checkbox"/> Yes <input type="checkbox"/> NA	GRM0119FB001 does not get Chlorine
4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID : _____ Correction factor: _____			/	<input type="checkbox"/> Cooler Out of Temp, Client Contacted, Proceed/Cancel <input type="checkbox"/> Cooler Out of Temp, Same Day Receipt	8. GRMS0118CS001 and GRMS0118CS002 were received, but not on the COC. (New Fifth Part of the COC bear not with the samples, but the client sent a copy. Additional samples collected for.
5. Were all of the sample containers received intact?	/			<input type="checkbox"/> Containers, Broken	
6. Were samples received in appropriate containers?	/			<input type="checkbox"/> Containers, Improper; Client Contacted; Proceed/Cancel	
7. Do sample container labels match COC? (IDs, Dates, Times)	/			<input type="checkbox"/> COC & Samples Do Not Match <input type="checkbox"/> COC Incorrect/Incomplete <input type="checkbox"/> COC Not Received	10. Samples not requested on COC.
8. Were all of the samples listed on the COC received?	/			<input checked="" type="checkbox"/> Sample Received, Not on COC <input type="checkbox"/> Sample on COC, Not Received	
9. Is the date/time of sample collection noted?	/			<input type="checkbox"/> COC; No Date/Time; Client Contacted	
10. Was the sampler identified on the COC?	/		/	<input type="checkbox"/> Sampler Not Listed on COC	
11. Is the client and project name/# identified?	/			<input type="checkbox"/> COC Incorrect/Incomplete	
12. Are tests/parameters listed for each sample?	/			<input type="checkbox"/> COC No tests on COC	
13. Is the matrix of the samples noted?	/			<input type="checkbox"/> COC Incorrect/Incomplete	
14. Was COC relinquished? (Signed/Dated/Timed)	/			<input type="checkbox"/> COC Incorrect/Incomplete	
15. Were samples received within holding time?	/			<input type="checkbox"/> Holding Time - Receipt	
16. Were samples received with correct chemical preservative (excluding Encore)?			/	<input type="checkbox"/> pH Adjusted, pH Included (See box 16A) <input type="checkbox"/> Incorrect Preservative	
17. Were VOA samples received without headspace?			/	<input type="checkbox"/> Headspace (VOA only)	
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number: _____			/	<input type="checkbox"/> Residual Chlorine	
19. For 1613B water samples is pH<9?			/	<input type="checkbox"/> If no, lab will adjust	
20. For rad samples was sample activity info. Provided?			/	<input type="checkbox"/> Project missing info	
Project #: 1400 3694 PM Instructions: _____					
Sample Receiving Associate: <i>KEW</i>				Date: 1/24/17	

Box 16A: pH Preservation	Box 18A: Residual Chlorine
Preservative:	
Lot Number:	
Exp Date:	
Analyst:	
Date:	
Time:	