July 18, 2015

Mr. Scott Bullock
NCDWM – UST Section
Corrective Action Branch
943 Washington Square Mall
Washington, North Carolina 27889

Re: Groundwater Sampling Letter
Gussman Cleaners
223 Craven Street
New Bern, Craven County, NC
Terraquest Project Number: 05015
NCDWM-UST Incident No.: 93254

Dear Mr. Bullock:

Terraquest Environmental Consultants, P.C. (Terraquest) has completed this Groundwater Sampling Results letter summarizing groundwater sampling activities at the Gussman Cleaners facility located at 223 Craven St., New Bern, Craven County, NC (herein referred to as the subject property). The purpose of this letter is to document the groundwater assessment performed by Terraquest, as requested by a North Carolina Division of Waste Management - UST Section (NCDWM - UST). The attached Figure 1 depicts the location of the subject property.

Site History

The subject property was a dry cleaner that operated from 1956 through 2007. The primary solvent used was Varsol that was stored in an aboveground storage tank (AST) at the western end of the building.

A Phase II Environmental Site Assessment (ESA) dated February 10, 2015 was completed by ECS Carolinas, LLP (ECS) of the subject property. Two soil samples, two groundwater samples, and two sub-slab soil-gas borings were collected on the subject and surrounding property to the south.

The soil, groundwater, and sub-slab soil-gas samples results revealed:

- The B1 soil sample located on the subject property near the Varsol AST did not have detected concentrations of targeted compounds exceeding their respective maximum soil contaminant concentrations MSCCs.
- The B2 soil sample located off-site and downgradient near the former offsite UST had detections of benzo(a)anthracene and benzo(a)pyrene at concentrations exceeding their respective industrial/commercial MSCCs.

- The TW1 groundwater sample collected near the subject property AST had detected volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) at concentrations above the laboratory detection limits. 1-methylnaphthalene was detected at a concentration exceeding its Title 15A NCAC 2L .0202 Groundwater Quality Standard (2L Standard).
- The TW2 groundwater sample collected near the B2 soil sample had no detected above the laboratory detection limits;
- The SG1 and SG2 soil gas samples collected inside the subject property building detected a variety of petroleum and chlorinated VOCs above laboratory detection limits; however, the detected concentrations in both samples did not exceed their respective IHSB Non-Residential or Residential Sub Slab and Exterior Soil Vapor Intrusion Screening Levels;

A copy of the Phase II ESA was submitted to the NCDWM-UST. The NCDWM-UST sent Mr. Dees a Notice of Regulatory Requirement (NORR) letter dated March 17, 2015 requesting a Comprehensive Site Assessment (CSA) of the release incident. Due to the possibility of off-site sources for the identified groundwater contamination, ECS submitted an extension request letter dated April 9, 2015 requesting time to perform limited groundwater assessment activities to determine if the groundwater contamination appears to be migrating onto the site from an off-site and upgradient source.

On May 20, 2015, ECS supervised the installation of three temporary groundwater sampling points TW3 through TW5 at the southwestern corner, along the northern property boundary, and northwestern corner of the subject property, respectively.

The groundwater results revealed:

- The TW3 through TW5 groundwater samples revealed detected VOCs at concentrations above laboratory detection limits; however, 1-methylnaphthalene was not detected in any of the samples;
- The TW3 groundwater sample had a detection of chlorobenzene above its 2L Standard; Chlorobenzene was also detected in the TW1 and TW4 groundwater samples; however, the concentrations did not exceed the 2L Standard.

A copy of the ECS Report of Environmental Services dated July 10, 2015 summarizing the May 20, 2015 groundwater sampling event is attached.

After a discussion with Sylvia Hunneke with the NCDWM-UST, Terraquest and the NCDWM-UST agreed the first course of action was to confirm the 1-methylnaphthalene contaminant concentrations in the vicinity of the TW1 sample location with a permanent Type II groundwater monitoring well.

Groundwater Sampling Activities

Monitoring Well Installation

On July 6, 2015, Terraquest personnel supervised the installation of a Type II groundwater monitoring well (MW1) in the TW1 groundwater sample location. Monitoring well MW1 was installed using hollow-stem augers advanced by a Geoprobe Model 7822DT drilling rig operated by an NC-licensed driller and was constructed of 5 feet of 2”-diameter PVC riser attached to 10 feet of 2”-diameter PVC screen with a 0.010” slot size for a total depth of 15 feet. This screen placement brackets the water table which was measured to be 7.06 feet BGL after the monitoring wells were installed. Following installation of the monitoring well, the monitoring well was developed using a decontaminated centrifugal pump to remove fines from the screened interval.

The monitoring well location is depicted on the attached Figure 2. Monitoring well construction information is provided in the attached well construction record.

Groundwater Sampling

On July 6, 2015, Terraquest personnel used a new disposable polyethylene bailer to purge a minimum of three well volumes of water from monitoring well MW1 after its development. The bailer was then used to retrieve groundwater samples. The groundwater was transferred directly from the bailer into laboratory-prepared containers by Terraquest personnel wearing new disposable nitrile gloves to reduce the chance of contamination loss through volatilization. The samples were labeled with the project name, project number, sample identification, required analysis, and date and time of collection. The samples were placed on ice, sent to a North Carolina-certified laboratory, and analyzed before the expiration of an analytical method’s prescribed holding time. The groundwater sample was analyzed by EPA Method 6200B and MADEP Volatile Petroleum Hydrocarbons (VPH) for VOCs and by EPA Method 625 Base Neutrals and Acid Extractables and MADEP Extractable Hydrocarbons (EPH) for SVOCs. Chain-of-custody documentation was maintained for the collected sample.

Analytical results of the July 6, 2015 groundwater sampling event revealed petroleum contaminant concentrations above the sample method detection limit and the 2L Standards. 1-Methylnaphthalene, bis(2-Ethylhexyl)phthalate, and the C9-C22 Aromatic Carbon Fraction were the contaminant compounds detected above their 2L Standards. Table 1 lists the detected contaminants and their detected concentrations. The complete analytical report is attached. The location of monitoring well MW1 and the groundwater sampling results are depicted in the attached Figure 2.

Conclusions

A review of the soil and groundwater data collected during the limited soil and groundwater assessments of the subject and surrounding property reveal:

- The analytical results of the MW1 groundwater sample confirm the presence of 1-methylnaphtalene at a concentration above its 2L Standards in the vicinity of the Varsol AST and two additional compounds, bis(2-Ethylhexyl)phthalate and the C9-C22 Aromatic Carbon Fraction, with detected concentrations above their 2L Standard;
- The absence of 1-methylnaphtalene in concentrations above the sample detection limit in the TW2 through TW5 groundwater samples;
- The detected concentration of chlorobenzene above its 2L Standard in the TW3 groundwater sample located in the southwestern corner of the subject property and its absence in the MW1 groundwater sample results;
- The absence of 1-methylnaphtalene or bis(2-Ethylhexyl)phthalate in ether the B1 or B2 soil samples;
- The direction of groundwater flow at the subject property has not been determined;

If you have any questions regarding this letter, please call me at (919) 563-9091.

Sincerely,

TERRAQUEST ENVIRONMENTAL CONSULTANTS, P.C.

Jonathan R. Grubbs, P.G.
Vice President

Attachments
Table 1: Summary of Groundwater Sampling Results
Figure 1: Site Location Map
Figure 2: Site Layout & Groundwater Sample Results Map
ECS Report of Environmental Services dated July 10, 2015
MW1 Well Construction Record
Analytical Results

Table 1

Date: 7/17/15

SUMMARY OF GROUNDWATER SAMPLING RESULTS

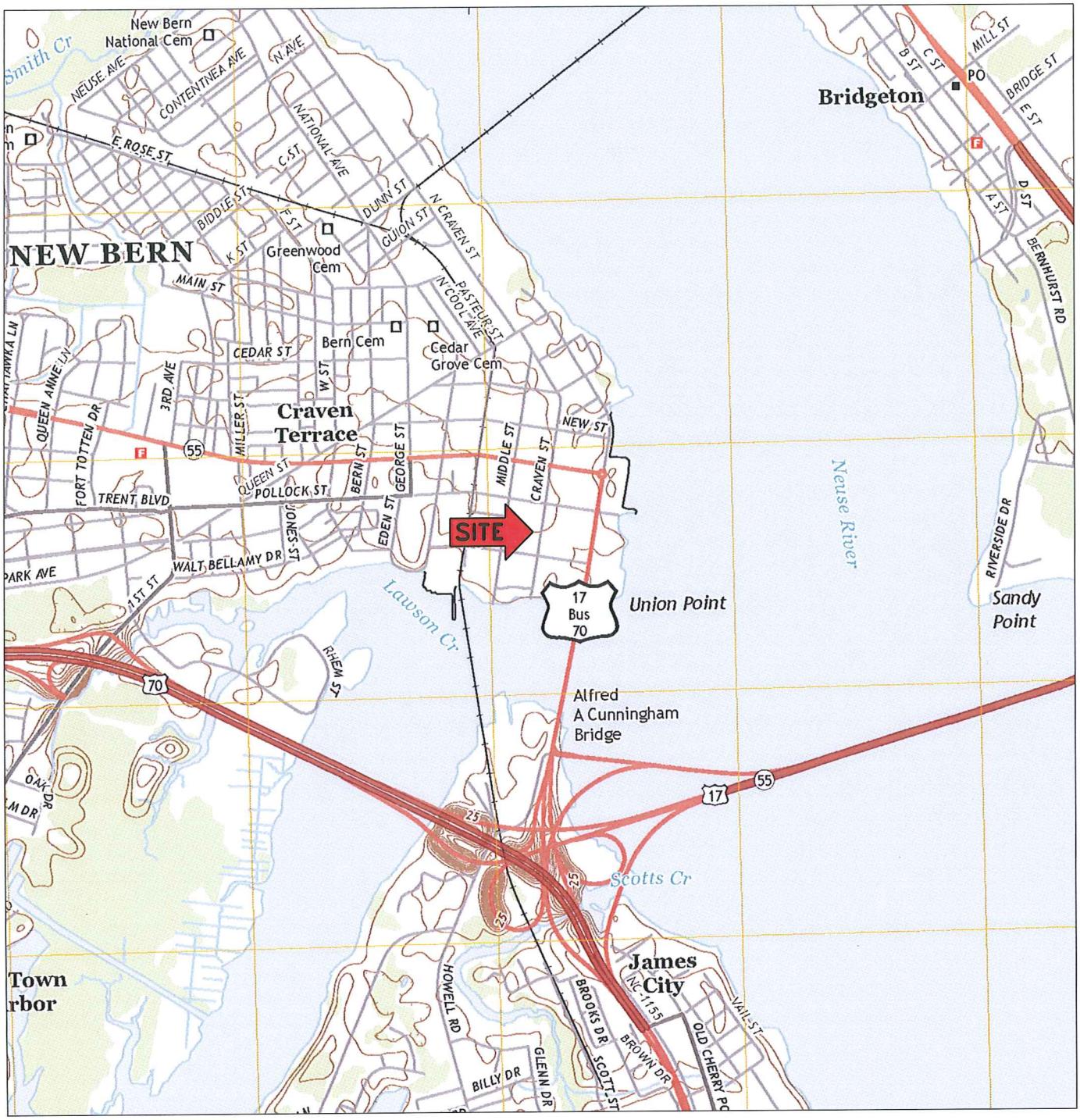
Incident Name: Gussman Cleaners Incident No.: 93254

Facility ID No.: NA

Analytical Method		6200B	6200B	6200B	6200B	6200B	6200B	6200B	6200B	6200B	6200B	6200B	6200B	6200B	625BNA	625BNA	625BNA	MADEP VPH	MADEP VPH/EPH	MADEP EPH	MADEP VPH/EPH
Contaminant of Concern																					
Well ID	Date Collected	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	IPE	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	4-Isopropyltoluene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1-Methylnaphthalene	Benzyl Alcohol	bis(2-Ethylhexyl)phthalate	C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C9-C22 Aromatics
MW1	7/6/15	<0.119	<0.0570	<0.0920	<0.298	<0.169	<0.0920	**3.16**	**19.4**	**15.7**	**5.59**	**32**	<0.103	<0.0870	**2.95 J**	**1.57 J**	**24.9**	<0.0150	**358.5**	**102**	**302**
	2L Standard	1	600	600	500	20	70	70	70	70	25	70	400	400	1	700	3	400	700	10,000	200

Notes:

1. All results in µg/L.
2. **Bold** denotes a compound detection
3. Shading denotes a 2L Standard violation
4. < - denotes less than sample detection limit
5. NE - Not Established
6. "J" - The target analyte was positively identified below the quantitation limit and above the detection limit.



N

MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC – NEW BERN, NC

GRAPHIC SCALE

0' 2,000' 4,000'

TERRAquest

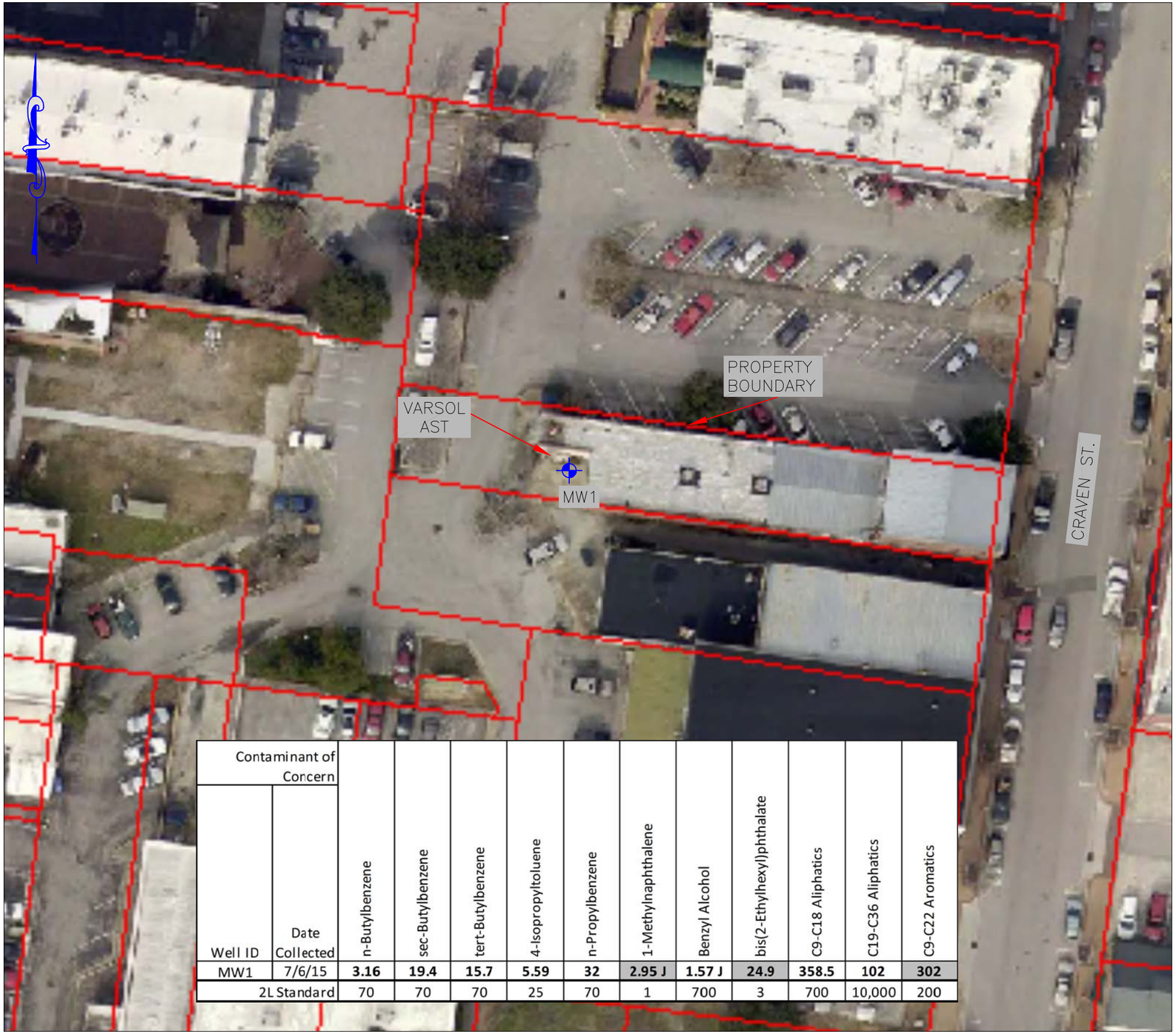
ENVIRONMENTAL CONSULTANTS, P.C.

SITE LOCATION MAP

GUSSMAN CLEANERS
223 CRAVEN STREET
NEW BERN, CRAVEN COUNTY, NC

CHARLES DEES — NEW BERN, NC

PROJECT NO.	00115	DRAWN BY:	JTL	DATE:	7/18/15
SCALE:	1" = 2,000'	CHECKED BY:	JRG	FIGURE NO.	1



Contaminant of Concern		n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	4-Isopropyltoluene	n-Propylbenzene	1-Methylnaphthalene	Benzyl Alcohol	bis(2-Ethylhexyl)phthalate	C9-C18 Aliphatics	C19-C36 Aliphatics	C9-C22 Aromatics
Well ID	Date Collected											
MW1	7/6/15	**3.16**	**19.4**	**15.7**	**5.59**	**32**	**2.95 J**	**1.57 J**	**24.9**	**358.5**	**102**	**302**
2L Standard		70	70	70	25	70	1	700	3	700	10,000	200

LEGEND

MONITORING WELL LOCATION

ONLY DETECTED CONCENTRATIONS LISTED.

DETECTED CONCENTRATIONS GREATER THAN THE 2L STANDARDS SHADED.

ALL RESULTS IN PARTS PER BILLION (PPB).

GRAPHIC SCALE

0' 20' 40' 80'.

1" = 40'

SITE LAYOUT & GROUNDWATER SAMPLE RESULTS MAP

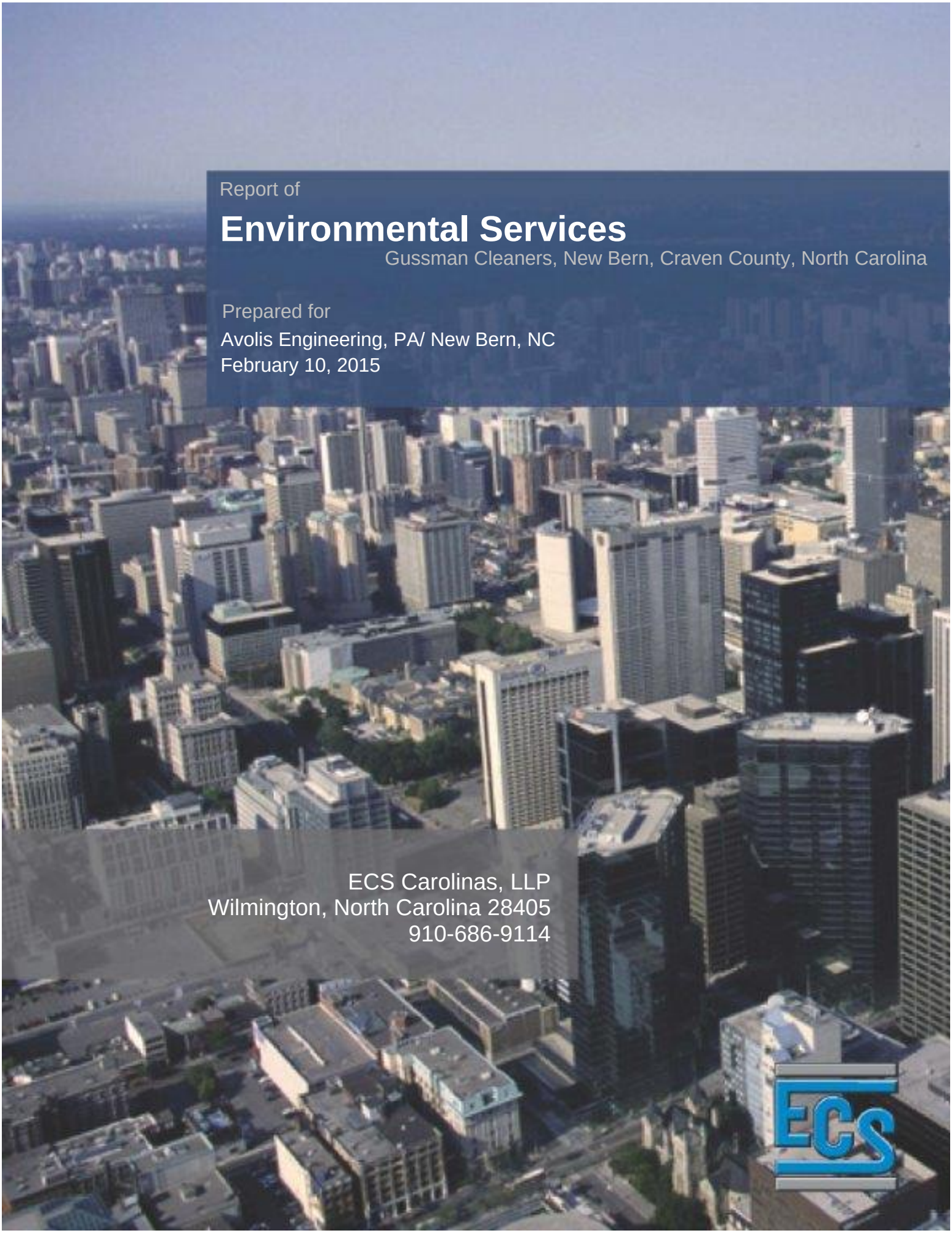
GUSSMAN CLEANERS
223 CRAVEN ST.
NEW BERN, CRAVEN COUNTY, NC

NORWALK, CT

WINTER-GORTHALA, LLC

PROJECT NO: 05015	CHECKED BY: JRG
SCALE: 1" = 40'	DRAWN BY: JTL
DATE: 7/18/15	
FIGURE NO. 2	

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.



Report of

Environmental Services

Gussman Cleaners, New Bern, Craven County, North Carolina

Prepared for

Avolis Engineering, PA/ New Bern, NC

February 10, 2015

ECS Carolinas, LLP
Wilmington, North Carolina 28405
910-686-9114

ECS CAROLINAS, LLP

"Setting the Standard for Service"

Geotechnical • Construction Materials • Environmental • Facilities

NC Registered Engineering Firm F-1078

February 10, 2015

Mr. Joe Avolis, P.E.
Avolis Engineering, P.A.
P.O. Box 15564
New Bern, North Carolina 28563

Reference: Report of Environmental Services
Gussman Cleaners
223 Craven Street
New Bern, Craven County, North Carolina
ECS Project 22-22171

Dear Mr. Avolis:

ECS Carolinas, LLP (ECS) is pleased to provide Avolis Engineering, P.A. with the results of our Report of Environmental Services for the above referenced property. ECS' services were conducted in accordance with the services outlined in ECS Proposal 22-19244 dated January 12, 2015 and authorized on January 15, 2015. ECS appreciates the opportunity to provide our services to you. If there are questions regarding this report, or a need for further information, please contact us at (910) 686-9114.

Respectfully submitted,

ECS CAROLINAS, LLP

K. Brooks Wall

K. Brooks Wall
Project Geologist

NORTH CAROLINA LICENSED SEAL 2075 GEOLOGIST JOHN SPENCER LAIR

2/10/15

John S. Lair, P.G.
Director of Environmental Services
NC Licensed Geologist #2075

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Table 3 - Summary of Soil Gas Analytical Results

APPENDIX

Photographs
Boring Logs
Laboratory Data Sheets and Chain of Custody Record
HASP Confirmation Sheet

1. PROJECT INFORMATION

The site is located at 223 Craven Street in New Bern, Craven County, North Carolina (Figure 1). ECS was provided with the Executive Summary of a Phase I Environmental Site Assessment (ESA) prepared by Avolis Engineering, P.A. (Avolis). The Executive Summary referenced the following key factors and observations which contributed to the recognized environmental conditions (RECs).

- A dry cleaner operated on the property from 1956 through 2007 with dry cleaning solvents stored in aboveground storage tanks (ASTs) at the rear of the building.
- Automotive sales and service occurred on the adjoining property to the north from 1931 through 1958.
- An automotive sales and machine shop operated on the southern adjoining property dating back to 1958 and a gasoline tank was located on this property, approximately 15 feet south of the site building from 1931 through 1948.

The Executive summary made the following recommendations

- Test the soil and groundwater at the rear of the property and midway of the building, on the southern side of the building for contaminants associated with dry cleaning and automotive repair operations.
- Perform sub slab soil gas assessment within the building for dry cleaning solvents.

In an effort to determine if the site has been impacted by the on-site and off-site RECs identified in the Avolis Phase I ESA report, ECS was requested to provide a proposal to conduct additional assessment at the site. The samples locations were determined by Mr. Avolis. Project information is based on correspondence between Mr. Avolis with Avolis Engineering, P.A. and Mr. Brooks Wall with ECS.

2. SCOPE OF SERVICES

The environmental assessment consisted of collecting two soil samples, two groundwater samples, and two soil gas samples to address the above mentioned RECs. Geoprobe® equipment was used to collect the soil and groundwater samples. The Geoprobe® consists of a hydraulic jack mounted on an all-terrain vehicle (ATV). The Geoprobe® is capable of driving various forms of groundwater, soil, and soil gas sampling probes into the ground to depths equivalent of auger refusal. The subcontractor used for this project was Mid Atlantic Drilling, Inc. (MAD). Field activities were conducted on January 22, 2015.

Public Utility Clearance

Prior to commencing with field activities, ECS contacted North Carolina 811 to locate/mark public utilities at the site. Required separation distances between subsurface activities and marked utilities (typically 30-inches) were maintained during the field activities.

Health and Safety Plan

As part of this assessment, ECS prepared a site-specific health and safety plan (HASP) for the site. The HASP documented the known or suspected hazards, applicable personal protective

equipment (PPE) of site personnel, and emergency response procedures. Prior to commencing with field activities, ECS site personnel reviewed the site-specific HASP. A copy of the HASP review confirmation sheet is included in the Appendix.

Geoprobe® Soil Borings

On January 22, 2015, ECS and MAD mobilized to the site to perform the sampling activities. Soil boring B-1 was advanced on the western side of the site at the rear of the building to assess the ASTs. Soil boring B-2 was advanced along the south side of the building near the former UST location (Figure 2). Soil boring B-1 was advanced to a depth of approximately twelve feet below ground surface (bgs). Soil boring B-2 was advanced to a depth of approximately fifteen feet bgs. The soil samples were collected at a depth of approximately three feet bgs, which is above the groundwater elevation observed during drilling activities at approximately six to seven feet bgs.

The soil borings were advanced by hydraulically driving a four-foot long, 1.5-inch soil sampling probe into the soil. Prior to advancing each boring, the down hole equipment and Geoprobe® drill rig were decontaminated utilizing a high pressure steam cleaner that utilized municipal water. The down hole equipment and drill rig were decontaminated to prevent cross-contamination between boring locations. The soil sampling probe is lined with a disposable clear plastic tube, which is replaced with each four-foot interval. After the probe is driven, the clear plastic tube filled with soil is removed from the probe. The clear plastic tube is then cut open to remove the soil. ECS visually classified the soils collected from each boring and screened the soil samples for relative levels of volatile organic vapors using a field screening instrument. Boring logs, which include descriptions of the soils encountered and field screening results, were prepared for each boring and are included in the Appendix. The soils encountered were observed to be brown to gray fine sands to brown/gray clayey sands.

The soil samples (B-1 and B-2) collected in the field were transferred into a new, clean resealable bag (half full), and the bag placed in a warm location. Approximately ten minutes after the time of collection, the bag was opened slightly and the probe of a Mini Rae 22 photo ionization detector (PID) organic vapor analyzer was inserted, and the bag immediately resealed using finger pressure. The PID was monitored and the reading recorded. Volatile organic vapors were not detected in the soils collected from the borings. The recorded PID responses are presented on the boring logs included in the Appendix.

The soil samples were placed into laboratory prepared containers. The sample containers were labeled with ECS project number, sample identification, sample date and time, and requested analytical analysis. The containers were placed into protective packaging material and placed into a cooler with ice to maintain the samples at approximately 4° Celsius (C°). The soil samples were submitted to Pace Analytical Services, Inc. (Pace) in Huntersville, North Carolina (NC certification #11) for chemical analysis. The soil samples (B-1 and B-2) were analyzed for volatile organic compounds (VOCs) using EPA Method 8260/5035 and semi-volatile organic compounds (SVOCs) using EPA Method 8270. ECS maintained proper chain-of-custody (COC) procedures throughout the sample collection and transportation process. A copy of the COC is included in the Appendix.

Geoprobe® Groundwater Borings

Groundwater borings TW-1 and TW-2 were advanced at soil borings B-1 and B-2, respectively (Figure 2). The groundwater borings were advanced by hydraulically driving a four-foot long, 1.5-inch diameter water-sampling probe into the soil to an approximate depth of twelve feet bgs for GW-1 and fifteen feet bgs for GW-2. Groundwater was encountered at approximately six and seven feet bgs.

The groundwater sampling probe is equipped with a stainless steel screen and a disposable drive point. The probe is driven to depth and then the rod is retracted to expose the screen. Groundwater then flows through the screen into the hollow probe rods. The groundwater is pumped to the surface using a peristaltic pump with dedicated plastic tubing lowered through the center of the probe rods. Immediately after collection, the groundwater samples were transferred into sample containers provided by the laboratory. Upon completion of sampling, each boring was properly abandoned.

The groundwater samples were placed into laboratory prepared containers. The sample containers were labeled with ECS project number, sample identification, sample date and time, and requested analytical analysis. The containers were placed into protective packaging material and placed into a cooler with ice to maintain the samples at approximately 4° Celsius (C°). The soil and groundwater samples were submitted to Pace for chemical analysis. The groundwater samples were analyzed for VOCs using EPA Method 8260 and SVOCs using EPA Method 8270. ECS maintained proper chain-of-custody (COC) procedures throughout the sample collection and transportation process. A copy of the COC is included in the Appendix.

Soil Gas Sampling

Two soil gas samples (SG-1 and SG-2, Figure 2) were collected beneath the slab of the building in the area of the laundry equipment. The samples were collected by drilling a 3/8-inch hole through the slab at both locations inside of the building. The hole extended through the slab into the underlying sub-base. ECS field personnel then placed a soil vapor probe into the hole and down into the sub-base. The probe was constructed of ¼-inch stainless steel tubing and a ¼-inch stainless steel valve with compression Swag-Lok® fittings. The annular space around the tubing and concrete was sealed with inert non-VOC emitting putty. A section of high density poly-ethylene tubing was connected to the stainless steel probe.

Prior to collecting the soil vapor samples, laboratory grade helium gas was used as a quality assurance control measure to confirm the integrity of the probe seal. A plastic cylinder (approximately 1.75 quarts) was placed and sealed over the sampling point and purged with laboratory grade helium. The probe point tubing and tracer gas tubing were placed through the cylinder wall via 3/16-inch rubber grommets. The open end of the cylinder was placed on a rubber seal and held securely to the slab with a heavy weight. As the cylinder was flooded with laboratory grade helium via the hose placed through the cylinder wall, the probe tubing was connected to a Model MGD-2002 Multi-Gas Leak detector and the air stream being purged was measured for helium. A helium concentration of less than five percent helium was considered acceptable. If concentrations greater than five percent helium were measured, the probe tube seal was reseated and the leak detection process was repeated.

The tubing was then connected to a six-liter Summa canister, used to collect sub slab soil gas samples. The two samples were collected using six-liter Summa canisters with a regulator and vacuum gauge. The samples were collected at a flow rate of 0.2 L/min. The vacuum in the canister was measured and recorded at the beginning and the end of the thirty minute sampling cycle. Following sample collection, the canister was labeled and shipped to Pace in Minneapolis, Minnesota to be analyzed for VOCs using EPA Method TO-15. ECS maintained proper COC procedures throughout the sample collection and transportation process. A copy of the COC is included in the Appendix. The probe was removed and the hole was filled with soil cuttings and/or bentonite following sampling.

3. RESULTS

Soil Analytical Results

Laboratory analysis of soil sample B-1 detected acetone and 1,2,4-trimethylbenzene above laboratory detection limits; however, the concentrations were below their respective soil to groundwater and industrial/commercial maximum soil contaminant concentrations (MSCCs). Laboratory analysis of soil sample B-2 detected concentrations of various SVOCs above laboratory detection limits and their respective soil to groundwater MSCCs. Benzo(a)anthracene and benzo(a)pyrene were detected at concentrations exceeding their respective industrial/commercial MSCCs. A summary of the soil sample analysis is provided in Table 1. The laboratory analytical data sheets and Chain of Custody Records are included in the Appendix.

Groundwater Analytical Results

Laboratory analysis of groundwater sample TW-1 detected targeted VOCs and SVOCs at concentrations above laboratory detection limits. 1-methylnaphthalene was detected at a concentration exceeding its North Carolina 2L Groundwater Quality Standards (NC2LGWQS). The concentration did not exceed its Gross Contamination Level (GCL). Targeted compounds were not detected above laboratory detection limits in the groundwater sample collected from TW-2. A summary of the groundwater sample analysis is provided in Table 2. The laboratory analytical data sheets and Chain of Custody Records are included in the Appendix.

Soil Gas Analytical Results

Laboratory analysis of soil gas samples SG-1 and SG-2 detected a variety of petroleum and chlorinated VOCs above laboratory detection limits. However the concentrations detected in both samples did not exceed their respective North Carolina Department of Environment and Natural Resources (NCDENR), Division of Waste Management (DWM), Inactive Hazardous Sites Branch (IHSB) for Non-Residential and Residential Sub Slab and Exterior Soil Vapor Intrusion Screening Levels. A summary of the results are provided in Table 3. The laboratory data sheets are included in the Appendix.

4. SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

Upon completion of this, ECS summarizes and concludes the following:

- On January 22, 2015, ECS observed and documented the advancement of two soil and groundwater borings and two sub-slab soil gas borings at the site.

- Groundwater was encountered at a depth of approximately six to seven feet bgs.

- Benzo(a)anthracene and benzo(a)pyrene were detected in soil sample B-2 at concentrations exceeding their respective industrial/commercial MSCCs. B-2 is located on the south side of the site building, near the location of a former UST. Concentrations of targeted compounds were not detected in soil sample B-1 at concentrations exceeding their respective MSCCs.

- Laboratory analysis of groundwater sample TW-1 detected targeted VOCs and SVOCs at concentrations above laboratory detection limits. 1-methylnaphthalene was detected at a concentration exceeding its NC2LGWQS but not its GCL. Targeted compounds were not detected above the laboratory detection limit in the groundwater sample collected from TW-2.

- Laboratory analysis of soil gas samples SG-1 and SG-2 detected a variety of petroleum and chlorinated VOCs above laboratory detection limits. However the concentrations detected in both samples did not exceed their respective IHSB Non-Residential or Residential Sub Slab and Exterior Soil Vapor Intrusion Screening Levels.

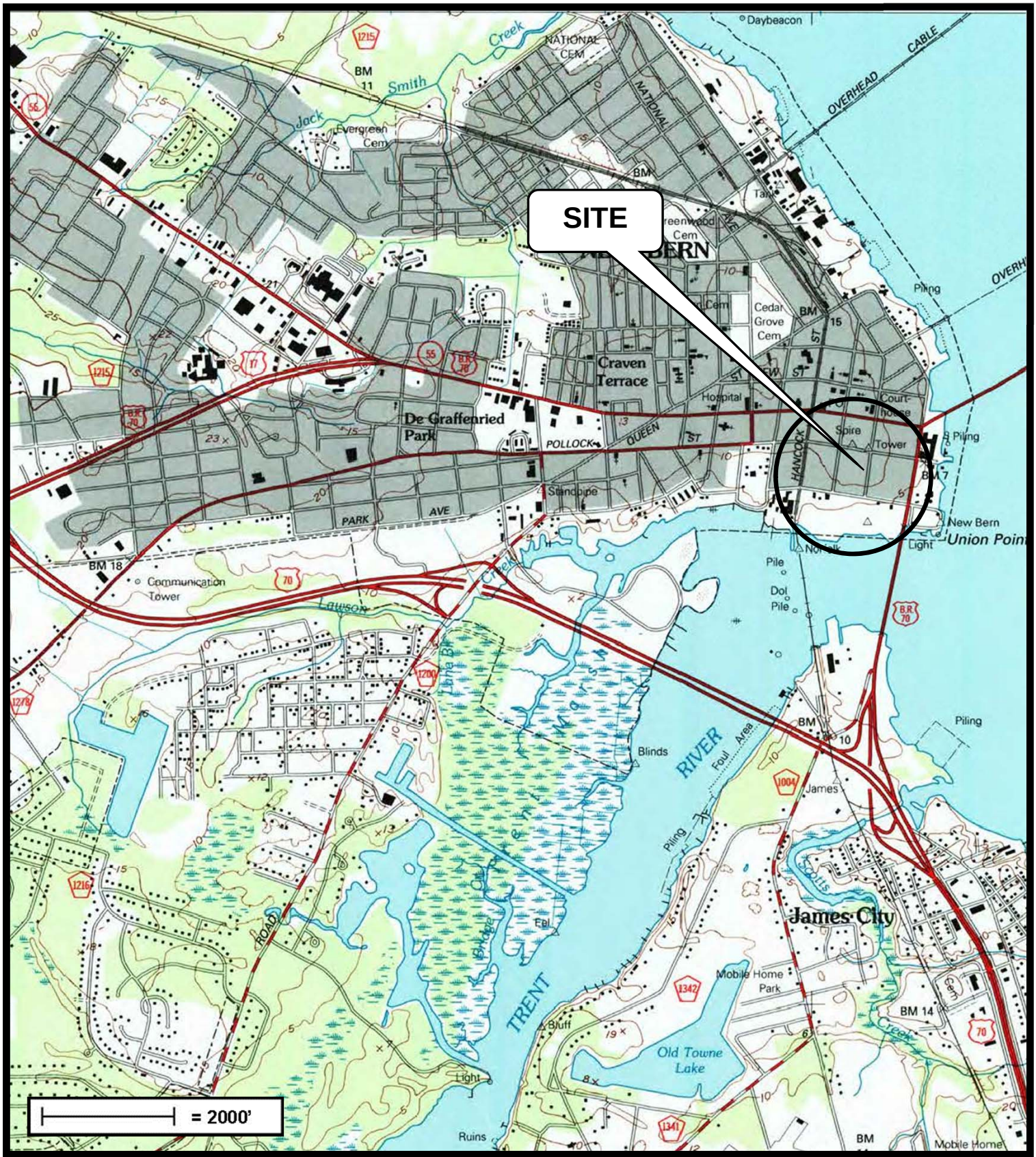
Based on the results of the assessment, ECS recommends the following:

- ECS understands that a reporting obligation exists. A petroleum release above the regulatory standard was identified in both soil and groundwater sample locations. ECS recommends that a copy of this report be provided to the property owner and that they consult legal counsel regarding their reporting obligation.

- Based on the results of the assessment, the NCDENR will most likely require additional assessment of the petroleum impacted soil and groundwater and/or completion of a receptor survey to identify the site risk ranking.

5. QUALIFICATIONS OF REPORT

The activities and evaluative approaches used in this assessment are consistent with those normally employed in environmental assessment projects of this type. Our evaluation of site conditions has been based on our understanding of the site project information and the data obtained during our field activities. This report was prepared for the express use of Avolis Engineering. Use of this report by other individuals or companies implies their acceptance of the General Conditions of Service of the original contract.



SOURCE:

UNITED STATES GEOLOGICAL SURVEY 7.5-MINUTE SERIES TOPOGRAPHIC MAP: NEW BERN NORTH CAROLINA, DATED 1994

FIGURE 1
SITE LOCATION MAP

GUSSMAN CLEANERS
223 CRAVEN STREET
NEW BERN, CRAVEN COUNTY, NORTH CAROLINA
ECS PROJECT NO. 22-22171

B-1/TW-1 SOIL/GROUNDWATER SAMPLE LOCATION

SG-1 SOIL GAS SAMPLE LOCATION

APPROXIMATE PROPERTY BOUNDARY

N
W E
S

SOURCE:

GOOGLE EARTH 2014

SCALE SHOWN ABOVE

FIGURE 2
SAMPLE LOCATION MAP

GUSSMAN CLEANERS
223 CRAVEN STREET
NEW BERN, CRAVEN COUNTY, NORTH CAROLINA
ECS PROJECT NO. 22-22171

Table 1
Summary of Soil Analytical Results
Gussman Cleaners
223 Craven Street
New Bern, Craven County, North Carolina
ECS Project Number 22-22171

Compound	B-1	B-2	Analytical Method	Soil to Groundwater MSCC (mg/kg)	Industrial/Commercial MSCC (mg/kg)
Acetone	0.113	ND	8260	24	360,000
Benzo(a)anthracene	ND	**8.40**	8270	0.35	8
Benzo(a)pyrene	ND	**8.65**	8270	0.096	0.78
Benzo(b)fluoranthene	ND	7.79	8270	1.2	8
Benzo(g,h,i)perylene	ND	5.46	8270	6400	12,264
Benzo(k)fluoranthene	ND	7.18	8270	12	78
Chrysene	ND	8.95	8270	39	780
Fluoranthene	ND	14.00	8270	290	16,400
Indeno(1,2,3-cd)pyrene	ND	5.09	8270	3.4	8
Phenanthrene	ND	5.45	8270	56	12,264
Pyrene	ND	11.30	8270	270.0	12,264
1,2,4-Trimethylbenzene	0.019	ND	8260	9	20,440
Remainng VOCs	ND	ND	8260	Varies	Varies
Remaining SVOCs	ND	ND	8270	Varies	Varies

Notes:
Parameters reported in milligrams per liter (mg/kg)
MSCC = Maximum Soil Contaminant Concentration
ND = Not Detected, NA = Not Analyzed
Bold values represent concentrations above Industrial MSCC Standards
Samples collected on January 22, 2015

Table 2
Summary of Groundwater Analytical Results
Gussman Cleaners
223 Craven Street
New Bern, Craven County, North Carolina
ECS Project Number 22-22171

Compound	TW-1	TW-2	Analytical Method	NCAC 2L Groundwater Standards
1-Methylnaphthalene	**15.2**	ND	8270	1
Chlorobenzene	10.1	ND	8260	50
1,3-Dichlorobenzene	8.4	ND	8260	200
1,4-Dichlorobenzene	1.4	ND	8260	6
4-Methyl-2-pentanone (MIBK)	28.7	ND	8260	100
Remaining VOCs	ND	ND	8260	Various
Remaining SVOCs	ND	ND	8270	Various

Notes:
ND = Not Detected
Parameters reported in micrograms per liter (ug/L)
Bold values represent concentrations above 15A NCAC 2L Standards
Samples collected on January 22, 2015

Table 3
Summary of Soil Gas Analytical Results
Gussman Cleaners
223 Craven Street
New Bern, Craven County, North Carolina
ECS Project Number 22-22171

Parameter	ANALTYCIAL RESULTS	ANALTYCIAL RESULTS	NCDENR IHSB Non-Residential Sub-Slab and Exterior Soil Gas Screening Level (ug/m3)
Sample ID	**SG-1**	**SG-2**	
Collection Date	**1/22/2015**	**1/22/2015**	
Acetone	34.0	30.1	2,720,000
Benzene	5.7	1.6	1,570
2-Butanone (MEK)	14.1	9.0	438,000
Dichlorodifluoromethane (Freon 12)	3.3	3.0	876
Ethyl acetate	BRL	9.1	6,130
Ethylbenzene	3.4	BRL	4,910
4-Ethyltoluene	2.4	2.2	NS
n-Heptane	5.0	3.8	NS
n-Hexane	11.4	29.6	61,300
2-Hexanone	1.7	BRL	2,630
Methylene Chloride	7.0	33.7	52,600
Propylene	9.6	7.1	263,000
Tetrachloroethene	3.3	3.2	3,500
Tetrahydrofuran	10.9	BRL	175,000
Toluene	14.5	7.8	438,000
1,2,4-Trimethylbenzene	9.4	8.3	613
1,3,5-Trimethylbenzene	2.5	2.1	NS
total Xylenes	18.6	9.1	8,760

Notes:
Results presented in micrograms per cubic meter (ug/m3), analogous to parts per billion (ppb)
BRL = Compound not detected at a concentration above the method reporting limit
North Carolina Department of Environment and Natural Resources, Inactive Hazardous Sites Branch Standard (current as of June 2014)
Compounds not listed were not detected above laboratory reporting limits
NS = No NCDENR IHSB Standard Available

Photograph 1: View of the site building from Craven Street.

Photograph 2: View of the rear of the site.

PHOTOGRAPH LOG

GUSSMAN CLEANERS
223 CRAVEN STREET
NEW BERN, CRAVEN COUNTY, NORTH CAROLINA

ECS PROJECT: 22-22171

PROJECT: Gussman Cleaners
CLIENT: Avolis Engineering, PA

BORING NUM. B-1
PROJECT NO. 22.22171

LOCATION: 225 Craven Street, New Bern, NC	ELEVATION: NA
DRILLER: Mid Atlantic Drilling	DATE DRILLED: 1/22/2015
	LOGGED BY: KBW
DRILL RIG: Geoprobe	DEPTH TO WATER: 7'

This information pertains only to this boring and should not be interpreted as being indicative of the site.

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0					**Concrete**	Concrete
					ABC Stone	ABC Stone
	17.5				**SP-SM**	Gray silty SAND - possible fill
1.5						
3		**Sample**				
4.5						
6	24.0				**SC**	Gray clayey SAND
7.5						
						Boring Terminated at 8'
9						
10.5						

PROJECT: Gussman Cleaners
CLIENT: Avolis Engineering, PA

BORING NUM. B-2
PROJECT NO. 22.22171

LOCATION: 225 Craven Street, New Bern, NC	ELEVATION: NA
DRILLER: Mid Atlantic Drilling	DATE DRILLED: 1/22/2015
	LOGGED BY: KBW
DRILL RIG: Geoprobe	DEPTH TO WATER: 6'

This information pertains only to this boring and should not be interpreted as being indicative of the site.

Elevation/ Depth (Ft)	PID Reading	Sample Number	Sample Recovery (in/in)	Graphic Log	Soil Classification	SOIL DESCRIPTION
0					Asphalt	Asphalt
					SM	Black silty SAND
1.5						
		Sample				
3	0.0				Brick	Bricks and Debris
4.5						
	0.0				SC	Brown/orange clayey SAND
6						
7.5						
						Boring Terminated at 8'
9						
10.5						

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

February 03, 2015

Amy Conchas
ECS Limited

,

RE: Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Dear Amy Conchas:
Enclosed are the analytical results for sample(s) received by the laboratory on January 26, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
Project Manager

Enclosures

cc: Ms. Amy Conchas, ECS
Jonathan Prevatte, ECS Carolinas

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CERTIFICATIONS

Project:	Gussman Cleaners 22171
Pace Project No.:	92234851

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

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SAMPLE ANALYTE COUNT

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92234851001	**B-1**	EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	EJK	1	PASI-C
92234851002	**B-2**	EPA 8270	RES	74	PASI-C
		EPA 8260	DLK	70	PASI-C
		ASTM D2974-87	EJK	1	PASI-C
92234851003	**TW-1**	EPA 8270	BPJ	74	PASI-C
		EPA 8260	GAW	63	PASI-C
92234851004	**TW-2**	EPA 8270	BPJ	74	PASI-C
		EPA 8260	GAW	63	PASI-C

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SUMMARY OF DETECTION

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92234851001	**B-1**					
EPA 8260	Acetone	113	ug/kg	108	01/30/15 18:15	
EPA 8260	1,2,4-Trimethylbenzene	10.9	ug/kg	5.4	01/30/15 18:15	
ASTM D2974-87	Percent Moisture	24.9	%	0.10	01/29/15 16:23	
92234851002	**B-2**					
EPA 8270	Benzo(a)anthracene	8400	ug/kg	4230	01/30/15 15:29	
EPA 8270	Benzo(a)pyrene	8650	ug/kg	4230	01/30/15 15:29	
EPA 8270	Benzo(b)fluoranthene	7790	ug/kg	4230	01/30/15 15:29	
EPA 8270	Benzo(g,h,i)perylene	5460	ug/kg	4230	01/30/15 15:29	
EPA 8270	Benzo(k)fluoranthene	7180	ug/kg	4230	01/30/15 15:29	
EPA 8270	Chrysene	8950	ug/kg	4230	01/30/15 15:29	
EPA 8270	Fluoranthene	14000	ug/kg	4230	01/30/15 15:29	
EPA 8270	Indeno(1,2,3-cd)pyrene	5090	ug/kg	4230	01/30/15 15:29	
EPA 8270	Phenanthrene	5450	ug/kg	4230	01/30/15 15:29	
EPA 8270	Pyrene	11300	ug/kg	4230	01/30/15 15:29	
ASTM D2974-87	Percent Moisture	21.9	%	0.10	01/29/15 16:23	
92234851003	**TW-1**					
EPA 8270	1-Methylnaphthalene	15.2	ug/L	10.0	01/29/15 14:14	
EPA 8260	Chlorobenzene	10.1	ug/L	1.0	02/02/15 13:37	
EPA 8260	1,3-Dichlorobenzene	8.4	ug/L	1.0	02/02/15 13:37	
EPA 8260	1,4-Dichlorobenzene	1.4	ug/L	1.0	02/02/15 13:37	
EPA 8260	4-Methyl-2-pentanone (MIBK)	28.7	ug/L	5.0	02/02/15 13:37	

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ANALYTICAL RESULTS

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Sample: B-1 **Lab ID: 92234851001** Collected: 01/22/15 10:30 Received: 01/26/15 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	83-32-9	
Acenaphthylene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	208-96-8	
Aniline	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	62-53-3	
Anthracene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	207-08-9	
Benzoic Acid	ND	ug/kg	2200	1	01/27/15 14:45	01/30/15 15:01	65-85-0	
Benzyl alcohol	ND	ug/kg	879	1	01/27/15 14:45	01/30/15 15:01	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	101-55-3	
Butylbenzylphthalate	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	879	1	01/27/15 14:45	01/30/15 15:01	59-50-7	
4-Chloroaniline	ND	ug/kg	2200	1	01/27/15 14:45	01/30/15 15:01	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	108-60-1	
2-Chloronaphthalene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	91-58-7	
2-Chlorophenol	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	7005-72-3	
Chrysene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	53-70-3	
Dibenzofuran	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	2200	1	01/27/15 14:45	01/30/15 15:01	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	120-83-2	
Diethylphthalate	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	105-67-9	
Dimethylphthalate	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	131-11-3	
Di-n-butylphthalate	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	879	1	01/27/15 14:45	01/30/15 15:01	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	2200	1	01/27/15 14:45	01/30/15 15:01	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	606-20-2	
Di-n-octylphthalate	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	117-81-7	
Fluoranthene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	206-44-0	
Fluorene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	87-68-3	
Hexachlorobenzene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	77-47-4	
Hexachloroethane	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	193-39-5	

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ANALYTICAL RESULTS

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Sample: B-1 **Lab ID: 92234851001** Collected: 01/22/15 10:30 Received: 01/26/15 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Isophorone	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	78-59-1	
1-Methylnaphthalene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	90-12-0	
2-Methylnaphthalene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01		
Naphthalene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	91-20-3	
2-Nitroaniline	ND	ug/kg	2200	1	01/27/15 14:45	01/30/15 15:01	88-74-4	
3-Nitroaniline	ND	ug/kg	2200	1	01/27/15 14:45	01/30/15 15:01	99-09-2	
4-Nitroaniline	ND	ug/kg	879	1	01/27/15 14:45	01/30/15 15:01	100-01-6	
Nitrobenzene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	98-95-3	
2-Nitrophenol	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	88-75-5	
4-Nitrophenol	ND	ug/kg	2200	1	01/27/15 14:45	01/30/15 15:01	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	86-30-6	
Pentachlorophenol	ND	ug/kg	2200	1	01/27/15 14:45	01/30/15 15:01	87-86-5	
Phenanthrene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	85-01-8	
Phenol	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	108-95-2	
Pyrene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	439	1	01/27/15 14:45	01/30/15 15:01	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	56	%	23-110	1	01/27/15 14:45	01/30/15 15:01	4165-60-0	
2-Fluorobiphenyl (S)	55	%	30-110	1	01/27/15 14:45	01/30/15 15:01	321-60-8	
Terphenyl-d14 (S)	39	%	28-110	1	01/27/15 14:45	01/30/15 15:01	1718-51-0	
Phenol-d6 (S)	56	%	22-110	1	01/27/15 14:45	01/30/15 15:01	13127-88-3	
2-Fluorophenol (S)	65	%	13-110	1	01/27/15 14:45	01/30/15 15:01	367-12-4	
2,4,6-Tribromophenol (S)	64	%	27-110	1	01/27/15 14:45	01/30/15 15:01	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	**113**	ug/kg	108	1		01/30/15 18:15	67-64-1	
Benzene	ND	ug/kg	5.4	1		01/30/15 18:15	71-43-2	
Bromobenzene	ND	ug/kg	5.4	1		01/30/15 18:15	108-86-1	
Bromochloromethane	ND	ug/kg	5.4	1		01/30/15 18:15	74-97-5	
Bromodichloromethane	ND	ug/kg	5.4	1		01/30/15 18:15	75-27-4	
Bromoform	ND	ug/kg	5.4	1		01/30/15 18:15	75-25-2	
Bromomethane	ND	ug/kg	10.8	1		01/30/15 18:15	74-83-9	
2-Butanone (MEK)	ND	ug/kg	108	1		01/30/15 18:15	78-93-3	
n-Butylbenzene	ND	ug/kg	5.4	1		01/30/15 18:15	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.4	1		01/30/15 18:15	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.4	1		01/30/15 18:15	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.4	1		01/30/15 18:15	56-23-5	
Chlorobenzene	ND	ug/kg	5.4	1		01/30/15 18:15	108-90-7	
Chloroethane	ND	ug/kg	10.8	1		01/30/15 18:15	75-00-3	
Chloroform	ND	ug/kg	5.4	1		01/30/15 18:15	67-66-3	

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ANALYTICAL RESULTS

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Sample: B-1 **Lab ID: 92234851001** Collected: 01/22/15 10:30 Received: 01/26/15 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Chloromethane	ND	ug/kg	10.8	1		01/30/15 18:15	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.4	1		01/30/15 18:15	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.4	1		01/30/15 18:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.4	1		01/30/15 18:15	96-12-8	
Dibromochloromethane	ND	ug/kg	5.4	1		01/30/15 18:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.4	1		01/30/15 18:15	106-93-4	
Dibromomethane	ND	ug/kg	5.4	1		01/30/15 18:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.4	1		01/30/15 18:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.4	1		01/30/15 18:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.4	1		01/30/15 18:15	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.8	1		01/30/15 18:15	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.4	1		01/30/15 18:15	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.4	1		01/30/15 18:15	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.4	1		01/30/15 18:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.4	1		01/30/15 18:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.4	1		01/30/15 18:15	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.4	1		01/30/15 18:15	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.4	1		01/30/15 18:15	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.4	1		01/30/15 18:15	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.4	1		01/30/15 18:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.4	1		01/30/15 18:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.4	1		01/30/15 18:15	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.4	1		01/30/15 18:15	108-20-3	
Ethylbenzene	ND	ug/kg	5.4	1		01/30/15 18:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5.4	1		01/30/15 18:15	87-68-3	
2-Hexanone	ND	ug/kg	53.9	1		01/30/15 18:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5.4	1		01/30/15 18:15	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.4	1		01/30/15 18:15	99-87-6	
Methylene Chloride	ND	ug/kg	21.5	1		01/30/15 18:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	53.9	1		01/30/15 18:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.4	1		01/30/15 18:15	1634-04-4	
Naphthalene	ND	ug/kg	5.4	1		01/30/15 18:15	91-20-3	
n-Propylbenzene	ND	ug/kg	5.4	1		01/30/15 18:15	103-65-1	
Styrene	ND	ug/kg	5.4	1		01/30/15 18:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.4	1		01/30/15 18:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.4	1		01/30/15 18:15	79-34-5	
Tetrachloroethene	ND	ug/kg	5.4	1		01/30/15 18:15	127-18-4	
Toluene	ND	ug/kg	5.4	1		01/30/15 18:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.4	1		01/30/15 18:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.4	1		01/30/15 18:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.4	1		01/30/15 18:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.4	1		01/30/15 18:15	79-00-5	
Trichloroethene	ND	ug/kg	5.4	1		01/30/15 18:15	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.4	1		01/30/15 18:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.4	1		01/30/15 18:15	96-18-4	
1,2,4-Trimethylbenzene	**10.9**	ug/kg	5.4	1		01/30/15 18:15	95-63-6	

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ANALYTICAL RESULTS

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Sample: B-1 **Lab ID: 92234851001** Collected: 01/22/15 10:30 Received: 01/26/15 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,3,5-Trimethylbenzene	ND	ug/kg	5.4	1		01/30/15 18:15	108-67-8	
Vinyl acetate	ND	ug/kg	53.9	1		01/30/15 18:15	108-05-4	
Vinyl chloride	ND	ug/kg	10.8	1		01/30/15 18:15	75-01-4	
Xylene (Total)	ND	ug/kg	10.8	1		01/30/15 18:15	1330-20-7	
m&p-Xylene	ND	ug/kg	10.8	1		01/30/15 18:15	179601-23-1	
o-Xylene	ND	ug/kg	5.4	1		01/30/15 18:15	95-47-6	
Surrogates								
Toluene-d8 (S)	97	%	70-130	1		01/30/15 18:15	2037-26-5	
4-Bromofluorobenzene (S)	89	%	70-130	1		01/30/15 18:15	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-132	1		01/30/15 18:15	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**24.9**	%	0.10	1		01/29/15 16:23		

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ANALYTICAL RESULTS

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Sample: B-2 **Lab ID: 92234851002** Collected: 01/22/15 12:30 Received: 01/26/15 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	83-32-9	
Acenaphthylene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	208-96-8	
Aniline	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	62-53-3	
Anthracene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	120-12-7	
Benzo(a)anthracene	**8400**	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	56-55-3	
Benzo(a)pyrene	**8650**	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	50-32-8	
Benzo(b)fluoranthene	**7790**	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	205-99-2	
Benzo(g,h,i)perylene	**5460**	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	191-24-2	
Benzo(k)fluoranthene	**7180**	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	207-08-9	
Benzoic Acid	ND	ug/kg	21100	10	01/27/15 14:45	01/30/15 15:29	65-85-0	
Benzyl alcohol	ND	ug/kg	8450	10	01/27/15 14:45	01/30/15 15:29	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	101-55-3	
Butylbenzylphthalate	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	8450	10	01/27/15 14:45	01/30/15 15:29	59-50-7	
4-Chloroaniline	ND	ug/kg	21100	10	01/27/15 14:45	01/30/15 15:29	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	108-60-1	
2-Chloronaphthalene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	91-58-7	
2-Chlorophenol	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	7005-72-3	
Chrysene	**8950**	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	53-70-3	
Dibenzofuran	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	132-64-9	
1,2-Dichlorobenzene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/kg	21100	10	01/27/15 14:45	01/30/15 15:29	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	120-83-2	
Diethylphthalate	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	84-66-2	
2,4-Dimethylphenol	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	105-67-9	
Dimethylphthalate	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	131-11-3	
Di-n-butylphthalate	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	8450	10	01/27/15 14:45	01/30/15 15:29	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	21100	10	01/27/15 14:45	01/30/15 15:29	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	606-20-2	
Di-n-octylphthalate	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	117-81-7	
Fluoranthene	**14000**	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	206-44-0	
Fluorene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	87-68-3	
Hexachlorobenzene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	77-47-4	
Hexachloroethane	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	67-72-1	
Indeno(1,2,3-cd)pyrene	**5090**	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	193-39-5	

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ANALYTICAL RESULTS

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Sample: B-2 **Lab ID: 92234851002** Collected: 01/22/15 12:30 Received: 01/26/15 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Isophorone	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	78-59-1	
1-Methylnaphthalene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	90-12-0	
2-Methylnaphthalene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29		
Naphthalene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	91-20-3	
2-Nitroaniline	ND	ug/kg	21100	10	01/27/15 14:45	01/30/15 15:29	88-74-4	
3-Nitroaniline	ND	ug/kg	21100	10	01/27/15 14:45	01/30/15 15:29	99-09-2	
4-Nitroaniline	ND	ug/kg	8450	10	01/27/15 14:45	01/30/15 15:29	100-01-6	
Nitrobenzene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	98-95-3	
2-Nitrophenol	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	88-75-5	
4-Nitrophenol	ND	ug/kg	21100	10	01/27/15 14:45	01/30/15 15:29	100-02-7	
N-Nitrosodimethylamine	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	86-30-6	
Pentachlorophenol	ND	ug/kg	21100	10	01/27/15 14:45	01/30/15 15:29	87-86-5	
Phenanthrene	**5450**	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	85-01-8	
Phenol	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	108-95-2	
Pyrene	**11300**	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	120-82-1	
2,4,5-Trichlorophenol	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	4230	10	01/27/15 14:45	01/30/15 15:29	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	0	%	23-110	10	01/27/15 14:45	01/30/15 15:29	4165-60-0	D3,S4
2-Fluorobiphenyl (S)	0	%	30-110	10	01/27/15 14:45	01/30/15 15:29	321-60-8	
Terphenyl-d14 (S)	0	%	28-110	10	01/27/15 14:45	01/30/15 15:29	1718-51-0	
Phenol-d6 (S)	0	%	22-110	10	01/27/15 14:45	01/30/15 15:29	13127-88-3	
2-Fluorophenol (S)	0	%	13-110	10	01/27/15 14:45	01/30/15 15:29	367-12-4	
2,4,6-Tribromophenol (S)	0	%	27-110	10	01/27/15 14:45	01/30/15 15:29	118-79-6	
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	126	1		01/30/15 18:35	67-64-1	
Benzene	ND	ug/kg	6.3	1		01/30/15 18:35	71-43-2	
Bromobenzene	ND	ug/kg	6.3	1		01/30/15 18:35	108-86-1	
Bromochloromethane	ND	ug/kg	6.3	1		01/30/15 18:35	74-97-5	
Bromodichloromethane	ND	ug/kg	6.3	1		01/30/15 18:35	75-27-4	
Bromoform	ND	ug/kg	6.3	1		01/30/15 18:35	75-25-2	
Bromomethane	ND	ug/kg	12.6	1		01/30/15 18:35	74-83-9	
2-Butanone (MEK)	ND	ug/kg	126	1		01/30/15 18:35	78-93-3	
n-Butylbenzene	ND	ug/kg	6.3	1		01/30/15 18:35	104-51-8	
sec-Butylbenzene	ND	ug/kg	6.3	1		01/30/15 18:35	135-98-8	
tert-Butylbenzene	ND	ug/kg	6.3	1		01/30/15 18:35	98-06-6	
Carbon tetrachloride	ND	ug/kg	6.3	1		01/30/15 18:35	56-23-5	
Chlorobenzene	ND	ug/kg	6.3	1		01/30/15 18:35	108-90-7	
Chloroethane	ND	ug/kg	12.6	1		01/30/15 18:35	75-00-3	
Chloroform	ND	ug/kg	6.3	1		01/30/15 18:35	67-66-3	

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ANALYTICAL RESULTS

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Sample: B-2 **Lab ID: 92234851002** Collected: 01/22/15 12:30 Received: 01/26/15 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Chloromethane	ND	ug/kg	12.6	1		01/30/15 18:35	74-87-3	
2-Chlorotoluene	ND	ug/kg	6.3	1		01/30/15 18:35	95-49-8	
4-Chlorotoluene	ND	ug/kg	6.3	1		01/30/15 18:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	6.3	1		01/30/15 18:35	96-12-8	
Dibromochloromethane	ND	ug/kg	6.3	1		01/30/15 18:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	6.3	1		01/30/15 18:35	106-93-4	
Dibromomethane	ND	ug/kg	6.3	1		01/30/15 18:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	6.3	1		01/30/15 18:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	6.3	1		01/30/15 18:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	6.3	1		01/30/15 18:35	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	12.6	1		01/30/15 18:35	75-71-8	
1,1-Dichloroethane	ND	ug/kg	6.3	1		01/30/15 18:35	75-34-3	
1,2-Dichloroethane	ND	ug/kg	6.3	1		01/30/15 18:35	107-06-2	
1,1-Dichloroethene	ND	ug/kg	6.3	1		01/30/15 18:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	6.3	1		01/30/15 18:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	6.3	1		01/30/15 18:35	156-60-5	
1,2-Dichloropropane	ND	ug/kg	6.3	1		01/30/15 18:35	78-87-5	
1,3-Dichloropropane	ND	ug/kg	6.3	1		01/30/15 18:35	142-28-9	
2,2-Dichloropropane	ND	ug/kg	6.3	1		01/30/15 18:35	594-20-7	
1,1-Dichloropropene	ND	ug/kg	6.3	1		01/30/15 18:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	6.3	1		01/30/15 18:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	6.3	1		01/30/15 18:35	10061-02-6	
Diisopropyl ether	ND	ug/kg	6.3	1		01/30/15 18:35	108-20-3	
Ethylbenzene	ND	ug/kg	6.3	1		01/30/15 18:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	6.3	1		01/30/15 18:35	87-68-3	
2-Hexanone	ND	ug/kg	63.0	1		01/30/15 18:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	6.3	1		01/30/15 18:35	98-82-8	
p-Isopropyltoluene	ND	ug/kg	6.3	1		01/30/15 18:35	99-87-6	
Methylene Chloride	ND	ug/kg	25.2	1		01/30/15 18:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	63.0	1		01/30/15 18:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	6.3	1		01/30/15 18:35	1634-04-4	
Naphthalene	ND	ug/kg	6.3	1		01/30/15 18:35	91-20-3	
n-Propylbenzene	ND	ug/kg	6.3	1		01/30/15 18:35	103-65-1	
Styrene	ND	ug/kg	6.3	1		01/30/15 18:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	6.3	1		01/30/15 18:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	6.3	1		01/30/15 18:35	79-34-5	
Tetrachloroethene	ND	ug/kg	6.3	1		01/30/15 18:35	127-18-4	
Toluene	ND	ug/kg	6.3	1		01/30/15 18:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	6.3	1		01/30/15 18:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	6.3	1		01/30/15 18:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	6.3	1		01/30/15 18:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	6.3	1		01/30/15 18:35	79-00-5	
Trichloroethene	ND	ug/kg	6.3	1		01/30/15 18:35	79-01-6	
Trichlorofluoromethane	ND	ug/kg	6.3	1		01/30/15 18:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	6.3	1		01/30/15 18:35	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	6.3	1		01/30/15 18:35	95-63-6	

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ANALYTICAL RESULTS

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Sample: B-2 **Lab ID: 92234851002** Collected: 01/22/15 12:30 Received: 01/26/15 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,3,5-Trimethylbenzene	ND	ug/kg	6.3	1		01/30/15 18:35	108-67-8	
Vinyl acetate	ND	ug/kg	63.0	1		01/30/15 18:35	108-05-4	
Vinyl chloride	ND	ug/kg	12.6	1		01/30/15 18:35	75-01-4	
Xylene (Total)	ND	ug/kg	12.6	1		01/30/15 18:35	1330-20-7	
m&p-Xylene	ND	ug/kg	12.6	1		01/30/15 18:35	179601-23-1	
o-Xylene	ND	ug/kg	6.3	1		01/30/15 18:35	95-47-6	
Surrogates								
Toluene-d8 (S)	92	%	70-130	1		01/30/15 18:35	2037-26-5	1g
4-Bromofluorobenzene (S)	71	%	70-130	1		01/30/15 18:35	460-00-4	
1,2-Dichloroethane-d4 (S)	123	%	70-132	1		01/30/15 18:35	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**21.9**	%	0.10	1		01/29/15 16:23		

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ANALYTICAL RESULTS

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Sample: TW-1 **Lab ID: 92234851003** Collected: 01/22/15 11:00 Received: 01/26/15 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	208-96-8	
Aniline	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	62-53-3	
Anthracene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	207-08-9	
Benzoic Acid	ND	ug/L	50.0	1	01/27/15 16:15	01/29/15 14:14	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	1	01/27/15 16:15	01/29/15 14:14	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	1	01/27/15 16:15	01/29/15 14:14	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	1	01/27/15 16:15	01/29/15 14:14	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	7005-72-3	
Chrysene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	01/27/15 16:15	01/29/15 14:14	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	01/27/15 16:15	01/29/15 14:14	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	01/27/15 16:15	01/29/15 14:14	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	1	01/27/15 16:15	01/29/15 14:14	117-81-7	
Fluoranthene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	206-44-0	
Fluorene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	193-39-5	
Isophorone	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	78-59-1	

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ANALYTICAL RESULTS

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Sample: TW-1 **Lab ID: 92234851003** Collected: 01/22/15 11:00 Received: 01/26/15 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1-Methylnaphthalene	**15.2**	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14		
Naphthalene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	1	01/27/15 16:15	01/29/15 14:14	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	01/27/15 16:15	01/29/15 14:14	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	1	01/27/15 16:15	01/29/15 14:14	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	01/27/15 16:15	01/29/15 14:14	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	01/27/15 16:15	01/29/15 14:14	87-86-5	
Phenanthrene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	85-01-8	
Phenol	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	108-95-2	
Pyrene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:14	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	49	%	21-110	1	01/27/15 16:15	01/29/15 14:14	4165-60-0	
2-Fluorobiphenyl (S)	44	%	27-110	1	01/27/15 16:15	01/29/15 14:14	321-60-8	
Terphenyl-d14 (S)	58	%	31-107	1	01/27/15 16:15	01/29/15 14:14	1718-51-0	
Phenol-d6 (S)	17	%	10-110	1	01/27/15 16:15	01/29/15 14:14	13127-88-3	
2-Fluorophenol (S)	26	%	12-110	1	01/27/15 16:15	01/29/15 14:14	367-12-4	
2,4,6-Tribromophenol (S)	68	%	27-110	1	01/27/15 16:15	01/29/15 14:14	118-79-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		02/02/15 13:37	67-64-1	
Benzene	ND	ug/L	1.0	1		02/02/15 13:37	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		02/02/15 13:37	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		02/02/15 13:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		02/02/15 13:37	75-27-4	
Bromoform	ND	ug/L	1.0	1		02/02/15 13:37	75-25-2	
Bromomethane	ND	ug/L	2.0	1		02/02/15 13:37	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		02/02/15 13:37	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		02/02/15 13:37	56-23-5	L3
Chlorobenzene	**10.1**	ug/L	1.0	1		02/02/15 13:37	108-90-7	
Chloroethane	ND	ug/L	1.0	1		02/02/15 13:37	75-00-3	
Chloroform	ND	ug/L	1.0	1		02/02/15 13:37	67-66-3	
Chloromethane	ND	ug/L	1.0	1		02/02/15 13:37	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		02/02/15 13:37	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		02/02/15 13:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		02/02/15 13:37	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		02/02/15 13:37	124-48-1	

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ANALYTICAL RESULTS

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Sample: TW-1 **Lab ID: 92234851003** Collected: 01/22/15 11:00 Received: 01/26/15 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		02/02/15 13:37	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		02/02/15 13:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/02/15 13:37	95-50-1	
1,3-Dichlorobenzene	**8.4**	ug/L	1.0	1		02/02/15 13:37	541-73-1	
1,4-Dichlorobenzene	**1.4**	ug/L	1.0	1		02/02/15 13:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		02/02/15 13:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		02/02/15 13:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		02/02/15 13:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		02/02/15 13:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		02/02/15 13:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/02/15 13:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		02/02/15 13:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		02/02/15 13:37	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		02/02/15 13:37	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		02/02/15 13:37	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		02/02/15 13:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		02/02/15 13:37	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		02/02/15 13:37	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		02/02/15 13:37	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		02/02/15 13:37	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		02/02/15 13:37	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		02/02/15 13:37	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		02/02/15 13:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	**28.7**	ug/L	5.0	1		02/02/15 13:37	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/02/15 13:37	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		02/02/15 13:37	91-20-3	
Styrene	ND	ug/L	1.0	1		02/02/15 13:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		02/02/15 13:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/02/15 13:37	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		02/02/15 13:37	127-18-4	
Toluene	ND	ug/L	1.0	1		02/02/15 13:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		02/02/15 13:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		02/02/15 13:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/02/15 13:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/02/15 13:37	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		02/02/15 13:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		02/02/15 13:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		02/02/15 13:37	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		02/02/15 13:37	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		02/02/15 13:37	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		02/02/15 13:37	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		02/02/15 13:37	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		02/02/15 13:37	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	97	%	70-130	1		02/02/15 13:37	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130	1		02/02/15 13:37	17060-07-0	
Toluene-d8 (S)	104	%	70-130	1		02/02/15 13:37	2037-26-5	

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ANALYTICAL RESULTS

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Sample: TW-2 **Lab ID: 92234851004** Collected: 01/22/15 13:30 Received: 01/26/15 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	208-96-8	
Aniline	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	62-53-3	
Anthracene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	207-08-9	
Benzoic Acid	ND	ug/L	50.0	1	01/27/15 16:15	01/29/15 14:45	65-85-0	
Benzyl alcohol	ND	ug/L	20.0	1	01/27/15 16:15	01/29/15 14:45	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	1	01/27/15 16:15	01/29/15 14:45	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	1	01/27/15 16:15	01/29/15 14:45	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	7005-72-3	
Chrysene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	01/27/15 16:15	01/29/15 14:45	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	20.0	1	01/27/15 16:15	01/29/15 14:45	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	01/27/15 16:15	01/29/15 14:45	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	6.0	1	01/27/15 16:15	01/29/15 14:45	117-81-7	
Fluoranthene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	206-44-0	
Fluorene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	87-68-3	
Hexachlorobenzene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	193-39-5	
Isophorone	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	78-59-1	

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ANALYTICAL RESULTS

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Sample: TW-2 **Lab ID: 92234851004** Collected: 01/22/15 13:30 Received: 01/26/15 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
1-Methylnaphthalene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	90-12-0	
2-Methylnaphthalene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45		
Naphthalene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	1	01/27/15 16:15	01/29/15 14:45	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	01/27/15 16:15	01/29/15 14:45	99-09-2	
4-Nitroaniline	ND	ug/L	20.0	1	01/27/15 16:15	01/29/15 14:45	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	01/27/15 16:15	01/29/15 14:45	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	86-30-6	
Pentachlorophenol	ND	ug/L	25.0	1	01/27/15 16:15	01/29/15 14:45	87-86-5	
Phenanthrene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	85-01-8	
Phenol	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	108-95-2	
Pyrene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	120-82-1	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	01/27/15 16:15	01/29/15 14:45	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	48	%	21-110	1	01/27/15 16:15	01/29/15 14:45	4165-60-0	
2-Fluorobiphenyl (S)	52	%	27-110	1	01/27/15 16:15	01/29/15 14:45	321-60-8	
Terphenyl-d14 (S)	55	%	31-107	1	01/27/15 16:15	01/29/15 14:45	1718-51-0	
Phenol-d6 (S)	20	%	10-110	1	01/27/15 16:15	01/29/15 14:45	13127-88-3	
2-Fluorophenol (S)	29	%	12-110	1	01/27/15 16:15	01/29/15 14:45	367-12-4	
2,4,6-Tribromophenol (S)	62	%	27-110	1	01/27/15 16:15	01/29/15 14:45	118-79-6	
8260 MSV Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		02/02/15 14:10	67-64-1	
Benzene	ND	ug/L	1.0	1		02/02/15 14:10	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		02/02/15 14:10	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		02/02/15 14:10	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		02/02/15 14:10	75-27-4	
Bromoform	ND	ug/L	1.0	1		02/02/15 14:10	75-25-2	
Bromomethane	ND	ug/L	2.0	1		02/02/15 14:10	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		02/02/15 14:10	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		02/02/15 14:10	56-23-5	L3
Chlorobenzene	ND	ug/L	1.0	1		02/02/15 14:10	108-90-7	
Chloroethane	ND	ug/L	1.0	1		02/02/15 14:10	75-00-3	
Chloroform	ND	ug/L	1.0	1		02/02/15 14:10	67-66-3	
Chloromethane	ND	ug/L	1.0	1		02/02/15 14:10	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		02/02/15 14:10	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		02/02/15 14:10	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		02/02/15 14:10	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		02/02/15 14:10	124-48-1	

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ANALYTICAL RESULTS

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Sample: TW-2 **Lab ID: 92234851004** Collected: 01/22/15 13:30 Received: 01/26/15 09:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		02/02/15 14:10	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		02/02/15 14:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/02/15 14:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/02/15 14:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/02/15 14:10	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		02/02/15 14:10	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		02/02/15 14:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		02/02/15 14:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		02/02/15 14:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		02/02/15 14:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/02/15 14:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		02/02/15 14:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		02/02/15 14:10	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		02/02/15 14:10	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		02/02/15 14:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		02/02/15 14:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		02/02/15 14:10	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		02/02/15 14:10	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		02/02/15 14:10	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		02/02/15 14:10	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		02/02/15 14:10	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		02/02/15 14:10	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		02/02/15 14:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		02/02/15 14:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/02/15 14:10	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		02/02/15 14:10	91-20-3	
Styrene	ND	ug/L	1.0	1		02/02/15 14:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		02/02/15 14:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/02/15 14:10	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		02/02/15 14:10	127-18-4	
Toluene	ND	ug/L	1.0	1		02/02/15 14:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		02/02/15 14:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		02/02/15 14:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/02/15 14:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/02/15 14:10	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		02/02/15 14:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		02/02/15 14:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		02/02/15 14:10	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		02/02/15 14:10	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		02/02/15 14:10	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		02/02/15 14:10	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		02/02/15 14:10	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		02/02/15 14:10	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		02/02/15 14:10	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130	1		02/02/15 14:10	17060-07-0	
Toluene-d8 (S)	96	%	70-130	1		02/02/15 14:10	2037-26-5	

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

QC Batch: MSV/30201
Analysis Method: EPA 8260
QC Batch Method: EPA 8260
Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 92234851003, 92234851004

METHOD BLANK: 1382356
Matrix: Water
Associated Lab Samples: 92234851003, 92234851004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	02/02/15 11:40	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/02/15 11:40	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	02/02/15 11:40	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/02/15 11:40	
1,1-Dichloroethane	ug/L	ND	1.0	02/02/15 11:40	
1,1-Dichloroethene	ug/L	ND	1.0	02/02/15 11:40	
1,1-Dichloropropene	ug/L	ND	1.0	02/02/15 11:40	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	02/02/15 11:40	
1,2,3-Trichloropropane	ug/L	ND	1.0	02/02/15 11:40	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	02/02/15 11:40	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	02/02/15 11:40	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/02/15 11:40	
1,2-Dichlorobenzene	ug/L	ND	1.0	02/02/15 11:40	
1,2-Dichloroethane	ug/L	ND	1.0	02/02/15 11:40	
1,2-Dichloropropane	ug/L	ND	1.0	02/02/15 11:40	
1,3-Dichlorobenzene	ug/L	ND	1.0	02/02/15 11:40	
1,3-Dichloropropane	ug/L	ND	1.0	02/02/15 11:40	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/02/15 11:40	
2,2-Dichloropropane	ug/L	ND	1.0	02/02/15 11:40	
2-Butanone (MEK)	ug/L	ND	5.0	02/02/15 11:40	
2-Chlorotoluene	ug/L	ND	1.0	02/02/15 11:40	
2-Hexanone	ug/L	ND	5.0	02/02/15 11:40	
4-Chlorotoluene	ug/L	ND	1.0	02/02/15 11:40	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	02/02/15 11:40	
Acetone	ug/L	ND	25.0	02/02/15 11:40	
Benzene	ug/L	ND	1.0	02/02/15 11:40	
Bromobenzene	ug/L	ND	1.0	02/02/15 11:40	
Bromochloromethane	ug/L	ND	1.0	02/02/15 11:40	
Bromodichloromethane	ug/L	ND	1.0	02/02/15 11:40	
Bromoform	ug/L	ND	1.0	02/02/15 11:40	
Bromomethane	ug/L	ND	2.0	02/02/15 11:40	
Carbon tetrachloride	ug/L	ND	1.0	02/02/15 11:40	
Chlorobenzene	ug/L	ND	1.0	02/02/15 11:40	
Chloroethane	ug/L	ND	1.0	02/02/15 11:40	
Chloroform	ug/L	ND	1.0	02/02/15 11:40	
Chloromethane	ug/L	ND	1.0	02/02/15 11:40	
cis-1,2-Dichloroethene	ug/L	ND	1.0	02/02/15 11:40	
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/02/15 11:40	
Dibromochloromethane	ug/L	ND	1.0	02/02/15 11:40	
Dibromomethane	ug/L	ND	1.0	02/02/15 11:40	
Dichlorodifluoromethane	ug/L	ND	1.0	02/02/15 11:40	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

METHOD BLANK: 1382356 Matrix: Water
Associated Lab Samples: 92234851003, 92234851004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	02/02/15 11:40	
Ethylbenzene	ug/L	ND	1.0	02/02/15 11:40	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	02/02/15 11:40	
m&p-Xylene	ug/L	ND	2.0	02/02/15 11:40	
Methyl-tert-butyl ether	ug/L	ND	1.0	02/02/15 11:40	
Methylene Chloride	ug/L	ND	2.0	02/02/15 11:40	
Naphthalene	ug/L	ND	1.0	02/02/15 11:40	
o-Xylene	ug/L	ND	1.0	02/02/15 11:40	
p-Isopropyltoluene	ug/L	ND	1.0	02/02/15 11:40	
Styrene	ug/L	ND	1.0	02/02/15 11:40	
Tetrachloroethene	ug/L	ND	1.0	02/02/15 11:40	
Toluene	ug/L	ND	1.0	02/02/15 11:40	
trans-1,2-Dichloroethene	ug/L	ND	1.0	02/02/15 11:40	
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/02/15 11:40	
Trichloroethene	ug/L	ND	1.0	02/02/15 11:40	
Trichlorofluoromethane	ug/L	ND	1.0	02/02/15 11:40	
Vinyl acetate	ug/L	ND	2.0	02/02/15 11:40	
Vinyl chloride	ug/L	ND	1.0	02/02/15 11:40	
Xylene (Total)	ug/L	ND	2.0	02/02/15 11:40	
1,2-Dichloroethane-d4 (S)	%	100	70-130	02/02/15 11:40	
4-Bromofluorobenzene (S)	%	100	70-130	02/02/15 11:40	
Toluene-d8 (S)	%	94	70-130	02/02/15 11:40	

LABORATORY CONTROL SAMPLE: 1382357

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	58.2	116	70-130	
1,1,1-Trichloroethane	ug/L	50	62.2	124	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.2	96	70-130	
1,1,2-Trichloroethane	ug/L	50	52.3	105	70-130	
1,1-Dichloroethane	ug/L	50	51.5	103	70-130	
1,1-Dichloroethene	ug/L	50	52.4	105	70-132	
1,1-Dichloropropene	ug/L	50	56.1	112	70-130	
1,2,3-Trichlorobenzene	ug/L	50	52.9	106	70-135	
1,2,3-Trichloropropane	ug/L	50	55.6	111	70-130	
1,2,4-Trichlorobenzene	ug/L	50	55.6	111	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	59.3	119	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	54.1	108	70-130	
1,2-Dichlorobenzene	ug/L	50	53.3	107	70-130	
1,2-Dichloroethane	ug/L	50	62.8	126	70-130	
1,2-Dichloropropane	ug/L	50	51.2	102	70-130	
1,3-Dichlorobenzene	ug/L	50	52.4	105	70-130	
1,3-Dichloropropane	ug/L	50	51.3	103	70-130	
1,4-Dichlorobenzene	ug/L	50	52.4	105	70-130	

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

LABORATORY CONTROL SAMPLE: 1382357

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	62.7	125	58-145	
2-Butanone (MEK)	ug/L	100	118	118	70-145	
2-Chlorotoluene	ug/L	50	49.1	98	70-130	
2-Hexanone	ug/L	100	120	120	70-144	
4-Chlorotoluene	ug/L	50	52.9	106	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	121	121	70-140	
Acetone	ug/L	100	130	130	50-175	
Benzene	ug/L	50	48.8	98	70-130	
Bromobenzene	ug/L	50	52.2	104	70-130	
Bromochloromethane	ug/L	50	51.2	102	70-130	
Bromodichloromethane	ug/L	50	54.5	109	70-130	
Bromoform	ug/L	50	57.5	115	70-130	
Bromomethane	ug/L	50	57.0	114	54-130	
Carbon tetrachloride	ug/L	50	66.6	133	70-132	L3
Chlorobenzene	ug/L	50	51.9	104	70-130	
Chloroethane	ug/L	50	55.4	111	64-134	
Chloroform	ug/L	50	53.8	108	70-130	
Chloromethane	ug/L	50	53.9	108	64-130	
cis-1,2-Dichloroethene	ug/L	50	56.1	112	70-131	
cis-1,3-Dichloropropene	ug/L	50	56.6	113	70-130	
Dibromochloromethane	ug/L	50	55.8	112	70-130	
Dibromomethane	ug/L	50	54.4	109	70-131	
Dichlorodifluoromethane	ug/L	50	59.5	119	56-130	
Diisopropyl ether	ug/L	50	54.5	109	70-130	
Ethylbenzene	ug/L	50	52.8	106	70-130	
Hexachloro-1,3-butadiene	ug/L	50	53.3	107	70-130	
m&p-Xylene	ug/L	100	108	108	70-130	
Methyl-tert-butyl ether	ug/L	50	53.5	107	70-130	
Methylene Chloride	ug/L	50	59.1	118	63-130	
Naphthalene	ug/L	50	55.1	110	70-138	
o-Xylene	ug/L	50	52.6	105	70-130	
p-Isopropyltoluene	ug/L	50	53.3	107	70-130	
Styrene	ug/L	50	55.2	110	70-130	
Tetrachloroethene	ug/L	50	51.2	102	70-130	
Toluene	ug/L	50	51.7	103	70-130	
trans-1,2-Dichloroethene	ug/L	50	54.9	110	70-130	
trans-1,3-Dichloropropene	ug/L	50	61.5	123	70-132	
Trichloroethene	ug/L	50	51.3	103	70-130	
Trichlorofluoromethane	ug/L	50	63.6	127	62-133	
Vinyl acetate	ug/L	100	122	122	66-157	
Vinyl chloride	ug/L	50	46.2	92	50-150	
Xylene (Total)	ug/L	150	160	107	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			98	70-130	

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

QC Batch: MSV/30175 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 92234851001, 92234851002

METHOD BLANK: 1381328 | Matrix: Solid
Associated Lab Samples: 92234851001, 92234851002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	4.6	01/30/15 11:57	
1,1,1-Trichloroethane	ug/kg	ND	4.6	01/30/15 11:57	
1,1,2,2-Tetrachloroethane	ug/kg	ND	4.6	01/30/15 11:57	
1,1,2-Trichloroethane	ug/kg	ND	4.6	01/30/15 11:57	
1,1-Dichloroethane	ug/kg	ND	4.6	01/30/15 11:57	
1,1-Dichloroethene	ug/kg	ND	4.6	01/30/15 11:57	
1,1-Dichloropropene	ug/kg	ND	4.6	01/30/15 11:57	
1,2,3-Trichlorobenzene	ug/kg	ND	4.6	01/30/15 11:57	
1,2,3-Trichloropropane	ug/kg	ND	4.6	01/30/15 11:57	
1,2,4-Trichlorobenzene	ug/kg	ND	4.6	01/30/15 11:57	
1,2,4-Trimethylbenzene	ug/kg	ND	4.6	01/30/15 11:57	
1,2-Dibromo-3-chloropropane	ug/kg	ND	4.6	01/30/15 11:57	
1,2-Dibromoethane (EDB)	ug/kg	ND	4.6	01/30/15 11:57	
1,2-Dichlorobenzene	ug/kg	ND	4.6	01/30/15 11:57	
1,2-Dichloroethane	ug/kg	ND	4.6	01/30/15 11:57	
1,2-Dichloropropane	ug/kg	ND	4.6	01/30/15 11:57	
1,3,5-Trimethylbenzene	ug/kg	ND	4.6	01/30/15 11:57	
1,3-Dichlorobenzene	ug/kg	ND	4.6	01/30/15 11:57	
1,3-Dichloropropane	ug/kg	ND	4.6	01/30/15 11:57	
1,4-Dichlorobenzene	ug/kg	ND	4.6	01/30/15 11:57	
2,2-Dichloropropane	ug/kg	ND	4.6	01/30/15 11:57	
2-Butanone (MEK)	ug/kg	ND	91.6	01/30/15 11:57	
2-Chlorotoluene	ug/kg	ND	4.6	01/30/15 11:57	
2-Hexanone	ug/kg	ND	45.8	01/30/15 11:57	
4-Chlorotoluene	ug/kg	ND	4.6	01/30/15 11:57	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	45.8	01/30/15 11:57	
Acetone	ug/kg	ND	91.6	01/30/15 11:57	
Benzene	ug/kg	ND	4.6	01/30/15 11:57	
Bromobenzene	ug/kg	ND	4.6	01/30/15 11:57	
Bromochloromethane	ug/kg	ND	4.6	01/30/15 11:57	
Bromodichloromethane	ug/kg	ND	4.6	01/30/15 11:57	
Bromoform	ug/kg	ND	4.6	01/30/15 11:57	
Bromomethane	ug/kg	ND	9.2	01/30/15 11:57	
Carbon tetrachloride	ug/kg	ND	4.6	01/30/15 11:57	
Chlorobenzene	ug/kg	ND	4.6	01/30/15 11:57	
Chloroethane	ug/kg	ND	9.2	01/30/15 11:57	
Chloroform	ug/kg	ND	4.6	01/30/15 11:57	
Chloromethane	ug/kg	ND	9.2	01/30/15 11:57	
cis-1,2-Dichloroethene	ug/kg	ND	4.6	01/30/15 11:57	
cis-1,3-Dichloropropene	ug/kg	ND	4.6	01/30/15 11:57	
Dibromochloromethane	ug/kg	ND	4.6	01/30/15 11:57	

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

METHOD BLANK: 1381328 Matrix: Solid
Associated Lab Samples: 92234851001, 92234851002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	ND	4.6	01/30/15 11:57	
Dichlorodifluoromethane	ug/kg	ND	9.2	01/30/15 11:57	
Diisopropyl ether	ug/kg	ND	4.6	01/30/15 11:57	
Ethylbenzene	ug/kg	ND	4.6	01/30/15 11:57	
Hexachloro-1,3-butadiene	ug/kg	ND	4.6	01/30/15 11:57	
Isopropylbenzene (Cumene)	ug/kg	ND	4.6	01/30/15 11:57	
m&p-Xylene	ug/kg	ND	9.2	01/30/15 11:57	
Methyl-tert-butyl ether	ug/kg	ND	4.6	01/30/15 11:57	
Methylene Chloride	ug/kg	ND	18.3	01/30/15 11:57	
n-Butylbenzene	ug/kg	ND	4.6	01/30/15 11:57	
n-Propylbenzene	ug/kg	ND	4.6	01/30/15 11:57	
Naphthalene	ug/kg	ND	4.6	01/30/15 11:57	
o-Xylene	ug/kg	ND	4.6	01/30/15 11:57	
p-Isopropyltoluene	ug/kg	ND	4.6	01/30/15 11:57	
sec-Butylbenzene	ug/kg	ND	4.6	01/30/15 11:57	
Styrene	ug/kg	ND	4.6	01/30/15 11:57	
tert-Butylbenzene	ug/kg	ND	4.6	01/30/15 11:57	
Tetrachloroethene	ug/kg	ND	4.6	01/30/15 11:57	
Toluene	ug/kg	ND	4.6	01/30/15 11:57	
trans-1,2-Dichloroethene	ug/kg	ND	4.6	01/30/15 11:57	
trans-1,3-Dichloropropene	ug/kg	ND	4.6	01/30/15 11:57	
Trichloroethene	ug/kg	ND	4.6	01/30/15 11:57	
Trichlorofluoromethane	ug/kg	ND	4.6	01/30/15 11:57	
Vinyl acetate	ug/kg	ND	45.8	01/30/15 11:57	
Vinyl chloride	ug/kg	ND	9.2	01/30/15 11:57	
Xylene (Total)	ug/kg	ND	9.2	01/30/15 11:57	
1,2-Dichloroethane-d4 (S)	%	96	70-132	01/30/15 11:57	
4-Bromofluorobenzene (S)	%	90	70-130	01/30/15 11:57	
Toluene-d8 (S)	%	101	70-130	01/30/15 11:57	

LABORATORY CONTROL SAMPLE: 1381329

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50.5	49.3	98	74-137	
1,1,1-Trichloroethane	ug/kg	50.5	45.4	90	67-140	
1,1,2,2-Tetrachloroethane	ug/kg	50.5	49.2	97	72-141	
1,1,2-Trichloroethane	ug/kg	50.5	46.2	91	78-138	
1,1-Dichloroethane	ug/kg	50.5	52.0	103	69-134	
1,1-Dichloroethene	ug/kg	50.5	50.6	100	67-138	
1,1-Dichloropropene	ug/kg	50.5	49.4	98	69-139	
1,2,3-Trichlorobenzene	ug/kg	50.5	49.9	99	70-146	
1,2,3-Trichloropropane	ug/kg	50.5	49.7	98	69-144	
1,2,4-Trichlorobenzene	ug/kg	50.5	50.9	101	68-148	
1,2,4-Trimethylbenzene	ug/kg	50.5	52.8	105	74-137	

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

LABORATORY CONTROL SAMPLE: 1381329

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/kg	50.5	48.4	96	65-140	
1,2-Dibromoethane (EDB)	ug/kg	50.5	51.8	103	77-135	
1,2-Dichlorobenzene	ug/kg	50.5	49.9	99	77-141	
1,2-Dichloroethane	ug/kg	50.5	42.0	83	65-137	
1,2-Dichloropropane	ug/kg	50.5	47.2	93	72-136	
1,3,5-Trimethylbenzene	ug/kg	50.5	51.3	102	76-133	
1,3-Dichlorobenzene	ug/kg	50.5	50.3	100	74-138	
1,3-Dichloropropane	ug/kg	50.5	49.9	99	71-139	
1,4-Dichlorobenzene	ug/kg	50.5	52.3	103	76-138	
2,2-Dichloropropane	ug/kg	50.5	45.6	90	68-137	
2-Butanone (MEK)	ug/kg	101	84J	83	58-147	
2-Chlorotoluene	ug/kg	50.5	47.3	94	73-139	
2-Hexanone	ug/kg	101	103	102	62-145	
4-Chlorotoluene	ug/kg	50.5	50.3	100	76-141	
4-Methyl-2-pentanone (MIBK)	ug/kg	101	96.8	96	64-149	
Acetone	ug/kg	101	107	106	53-153	
Benzene	ug/kg	50.5	49.3	98	73-135	
Bromobenzene	ug/kg	50.5	41.9	83	75-133	
Bromochloromethane	ug/kg	50.5	44.0	87	73-134	
Bromodichloromethane	ug/kg	50.5	42.0	83	71-135	
Bromoform	ug/kg	50.5	46.5	92	66-141	
Bromomethane	ug/kg	50.5	39.6	78	53-160	
Carbon tetrachloride	ug/kg	50.5	48.4	96	60-145	
Chlorobenzene	ug/kg	50.5	49.9	99	78-130	
Chloroethane	ug/kg	50.5	60.8	120	64-149	
Chloroform	ug/kg	50.5	41.6	82	70-134	
Chloromethane	ug/kg	50.5	44.0	87	52-150	
cis-1,2-Dichloroethene	ug/kg	50.5	45.9	91	70-133	
cis-1,3-Dichloropropene	ug/kg	50.5	46.5	92	68-134	
Dibromochloromethane	ug/kg	50.5	47.6	94	71-138	
Dibromomethane	ug/kg	50.5	45.0	89	74-130	
Dichlorodifluoromethane	ug/kg	50.5	47.5	94	40-160	
Diisopropyl ether	ug/kg	50.5	51.7	102	69-141	
Ethylbenzene	ug/kg	50.5	52.5	104	75-133	
Hexachloro-1,3-butadiene	ug/kg	50.5	48.9	97	68-143	
Isopropylbenzene (Cumene)	ug/kg	50.5	52.9	105	76-143	
m&p-Xylene	ug/kg	101	109	107	75-136	
Methyl-tert-butyl ether	ug/kg	50.5	49.8	99	68-144	
Methylene Chloride	ug/kg	50.5	56.1	111	45-154	
n-Butylbenzene	ug/kg	50.5	54.3	108	72-137	
n-Propylbenzene	ug/kg	50.5	46.9	93	76-136	
Naphthalene	ug/kg	50.5	49.8	99	68-151	
o-Xylene	ug/kg	50.5	51.1	101	76-141	
p-Isopropyltoluene	ug/kg	50.5	53.6	106	76-140	
sec-Butylbenzene	ug/kg	50.5	49.0	97	79-139	
Styrene	ug/kg	50.5	51.6	102	79-137	
tert-Butylbenzene	ug/kg	50.5	45.9	91	74-143	

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

LABORATORY CONTROL SAMPLE: 1381329

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/kg	50.5	44.6	88	71-138	
Toluene	ug/kg	50.5	47.6	94	74-131	
trans-1,2-Dichloroethene	ug/kg	50.5	51.1	101	67-135	
trans-1,3-Dichloropropene	ug/kg	50.5	47.0	93	65-146	
Trichloroethene	ug/kg	50.5	48.0	95	67-135	
Trichlorofluoromethane	ug/kg	50.5	60.1	119	59-144	
Vinyl acetate	ug/kg	101	68.8	68	40-160	F3,IC
Vinyl chloride	ug/kg	50.5	44.1	87	56-141	
Xylene (Total)	ug/kg	152	160	105	76-137	
1,2-Dichloroethane-d4 (S)	%			96	70-132	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 1382107

Parameter	Units	92235328001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	17.9	19.8	111	70-130	
1,1,1-Trichloroethane	ug/kg	ND	17.9	17.6	98	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	ND	17.9	29.4	165	70-130	M1
1,1,2-Trichloroethane	ug/kg	ND	17.9	25.6	143	70-130	M1
1,1-Dichloroethane	ug/kg	ND	17.9	24.0	134	70-130	M1
1,1-Dichloroethene	ug/kg	ND	17.9	21.0	117	49-180	
1,1-Dichloropropene	ug/kg	ND	17.9	18.3	103	70-130	
1,2,3-Trichlorobenzene	ug/kg	ND	17.9	23.4	131	70-130	M1
1,2,3-Trichloropropane	ug/kg	ND	17.9	27.7	155	70-130	M1
1,2,4-Trichlorobenzene	ug/kg	ND	17.9	20.5	115	70-130	
1,2,4-Trimethylbenzene	ug/kg	ND	17.9	20.3	114	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	ND	17.9	33.1	186	70-130	M1
1,2-Dibromoethane (EDB)	ug/kg	ND	17.9	26.7	149	70-130	M1
1,2-Dichlorobenzene	ug/kg	ND	17.9	22.3	125	70-130	
1,2-Dichloroethane	ug/kg	ND	17.9	21.2	118	70-130	
1,2-Dichloropropane	ug/kg	ND	17.9	20.2	113	70-130	
1,3,5-Trimethylbenzene	ug/kg	ND	17.9	19.8	111	70-130	
1,3-Dichlorobenzene	ug/kg	ND	17.9	20.0	112	70-130	
1,3-Dichloropropane	ug/kg	ND	17.9	24.1	135	70-130	M1
1,4-Dichlorobenzene	ug/kg	ND	17.9	20.7	116	70-130	
2,2-Dichloropropane	ug/kg	ND	17.9	17.9	100	70-130	
2-Butanone (MEK)	ug/kg	ND	35.7	52.6J	147	70-130	M1
2-Chlorotoluene	ug/kg	ND	17.9	18.6	104	70-130	
2-Hexanone	ug/kg	ND	35.7	69.7	195	70-130	M1
4-Chlorotoluene	ug/kg	ND	17.9	19.7	110	70-130	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	35.7	68.0	190	70-130	M1
Acetone	ug/kg	ND	35.7	72J	200	70-130	M1
Benzene	ug/kg	ND	17.9	19.5	109	50-166	
Bromobenzene	ug/kg	ND	17.9	21.6	121	70-130	

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

MATRIX SPIKE SAMPLE: 1382107

Parameter	Units	92235328001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromochloromethane	ug/kg	ND	17.9	21.8	122	70-130	
Bromodichloromethane	ug/kg	ND	17.9	18.6	104	70-130	
Bromoform	ug/kg	ND	17.9	24.0	134	70-130	M1
Bromomethane	ug/kg	ND	17.9	18.3	102	70-130	
Carbon tetrachloride	ug/kg	ND	17.9	18.0	101	70-130	
Chlorobenzene	ug/kg	ND	17.9	19.2	107	43-169	
Chloroethane	ug/kg	ND	17.9	24.1	135	70-130	M1
Chloroform	ug/kg	ND	17.9	18.0	101	70-130	
Chloromethane	ug/kg	ND	17.9	16.9	95	70-130	
cis-1,2-Dichloroethene	ug/kg	ND	17.9	19.6	110	70-130	
cis-1,3-Dichloropropene	ug/kg	ND	17.9	20.4	114	70-130	
Dibromochloromethane	ug/kg	ND	17.9	22.4	125	70-130	
Dibromomethane	ug/kg	ND	17.9	23.4	131	70-130	M1
Dichlorodifluoromethane	ug/kg	ND	17.9	18.5	104	70-130	
Diisopropyl ether	ug/kg	ND	17.9	26.9	150	70-130	M1
Ethylbenzene	ug/kg	ND	17.9	18.8	105	70-130	
Hexachloro-1,3-butadiene	ug/kg	ND	17.9	18.4	103	70-130	
Isopropylbenzene (Cumene)	ug/kg	ND	17.9	18.0	101	70-130	
m&p-Xylene	ug/kg	ND	35.7	37.5	105	70-130	
Methyl-tert-butyl ether	ug/kg	ND	17.9	30.0	168	70-130	M1
Methylene Chloride	ug/kg	ND	17.9	29.4	165	70-130	M1
n-Butylbenzene	ug/kg	ND	17.9	18.7	105	70-130	
n-Propylbenzene	ug/kg	ND	17.9	18.4	103	70-130	
Naphthalene	ug/kg	ND	17.9	31.0	174	70-130	M1
o-Xylene	ug/kg	ND	17.9	18.0	101	70-130	
p-Isopropyltoluene	ug/kg	ND	17.9	19.3	108	70-130	
sec-Butylbenzene	ug/kg	ND	17.9	18.3	103	70-130	
Styrene	ug/kg	ND	17.9	18.3	103	70-130	
tert-Butylbenzene	ug/kg	ND	17.9	17.8	100	70-130	
Tetrachloroethene	ug/kg	ND	17.9	15.6	87	70-130	
Toluene	ug/kg	ND	17.9	18.5	104	52-163	
trans-1,2-Dichloroethene	ug/kg	ND	17.9	21.1	118	70-130	
trans-1,3-Dichloropropene	ug/kg	ND	17.9	22.6	126	70-130	
Trichloroethene	ug/kg	ND	17.9	17.7	99	49-167	
Trichlorofluoromethane	ug/kg	ND	17.9	22.6	127	70-130	
Vinyl acetate	ug/kg	ND	35.7	93.6	262	70-130	M1
Vinyl chloride	ug/kg	ND	17.9	16.8	94	70-130	
1,2-Dichloroethane-d4 (S)	%				109	70-132	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 1382106

Parameter	Units	92234911023 Result	Dup Result	RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	ND		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

SAMPLE DUPLICATE: 1382106

Parameter	Units	92234911023 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	ND		
1,1,2,2-Tetrachloroethane	ug/kg	ND	ND		
1,1,2-Trichloroethane	ug/kg	ND	ND		
1,1-Dichloroethane	ug/kg	ND	ND		
1,1-Dichloroethene	ug/kg	ND	ND		
1,1-Dichloropropene	ug/kg	ND	ND		
1,2,3-Trichlorobenzene	ug/kg	ND	ND		
1,2,3-Trichloropropane	ug/kg	ND	ND		
1,2,4-Trichlorobenzene	ug/kg	ND	ND		
1,2,4-Trimethylbenzene	ug/kg	ND	ND		
1,2-Dibromo-3-chloropropane	ug/kg	ND	ND		
1,2-Dibromoethane (EDB)	ug/kg	ND	ND		
1,2-Dichlorobenzene	ug/kg	ND	ND		
1,2-Dichloroethane	ug/kg	ND	ND		
1,2-Dichloropropane	ug/kg	ND	ND		
1,3,5-Trimethylbenzene	ug/kg	ND	ND		
1,3-Dichlorobenzene	ug/kg	ND	ND		
1,3-Dichloropropane	ug/kg	ND	ND		
1,4-Dichlorobenzene	ug/kg	ND	ND		
2,2-Dichloropropane	ug/kg	ND	ND		
2-Butanone (MEK)	ug/kg	ND	ND		
2-Chlorotoluene	ug/kg	ND	ND		
2-Hexanone	ug/kg	ND	ND		
4-Chlorotoluene	ug/kg	ND	ND		
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	ND		
Acetone	ug/kg	ND	10.5J		
Benzene	ug/kg	ND	ND		
Bromobenzene	ug/kg	ND	ND		
Bromochloromethane	ug/kg	ND	ND		
Bromodichloromethane	ug/kg	ND	ND		
Bromoform	ug/kg	ND	ND		
Bromomethane	ug/kg	ND	ND		
Carbon tetrachloride	ug/kg	ND	ND		
Chlorobenzene	ug/kg	ND	ND		
Chloroethane	ug/kg	ND	ND		
Chloroform	ug/kg	ND	ND		
Chloromethane	ug/kg	ND	ND		
cis-1,2-Dichloroethene	ug/kg	ND	ND		
cis-1,3-Dichloropropene	ug/kg	ND	ND		
Dibromochloromethane	ug/kg	ND	ND		
Dibromomethane	ug/kg	ND	ND		
Dichlorodifluoromethane	ug/kg	ND	ND		
Diisopropyl ether	ug/kg	ND	ND		
Ethylbenzene	ug/kg	ND	ND		
Hexachloro-1,3-butadiene	ug/kg	ND	ND		
Isopropylbenzene (Cumene)	ug/kg	ND	ND		
m&p-Xylene	ug/kg	ND	ND		

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

SAMPLE DUPLICATE: 1382106

Parameter	Units	92234911023 Result	Dup Result	RPD	Qualifiers
Methyl-tert-butyl ether	ug/kg	ND	ND		
Methylene Chloride	ug/kg	ND	ND		
n-Butylbenzene	ug/kg	ND	ND		
n-Propylbenzene	ug/kg	ND	ND		
Naphthalene	ug/kg	ND	ND		
o-Xylene	ug/kg	ND	ND		
p-Isopropyltoluene	ug/kg	ND	ND		
sec-Butylbenzene	ug/kg	ND	ND		
Styrene	ug/kg	ND	ND		
tert-Butylbenzene	ug/kg	ND	ND		
Tetrachloroethene	ug/kg	ND	ND		
Toluene	ug/kg	ND	ND		
trans-1,2-Dichloroethene	ug/kg	ND	ND		
trans-1,3-Dichloropropene	ug/kg	ND	ND		
Trichloroethene	ug/kg	ND	ND		
Trichlorofluoromethane	ug/kg	ND	ND		
Vinyl acetate	ug/kg	ND	ND		
Vinyl chloride	ug/kg	ND	ND		
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	105	109	1	
4-Bromofluorobenzene (S)	%	97	96	3	
Toluene-d8 (S)	%	99	102	0	

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

QC Batch: OEXT/32540 | Analysis Method: EPA 8270
QC Batch Method: EPA 3546 | Analysis Description: 8270 Solid MSSV Microwave
Associated Lab Samples: 92234851001, 92234851002

METHOD BLANK: 1378500 | Matrix: Solid
Associated Lab Samples: 92234851001, 92234851002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	ND	330	01/29/15 16:25	
1,2-Dichlorobenzene	ug/kg	ND	330	01/29/15 16:25	
1,3-Dichlorobenzene	ug/kg	ND	330	01/29/15 16:25	
1,4-Dichlorobenzene	ug/kg	ND	330	01/29/15 16:25	
1-Methylnaphthalene	ug/kg	ND	330	01/29/15 16:25	
2,4,5-Trichlorophenol	ug/kg	ND	330	01/29/15 16:25	
2,4,6-Trichlorophenol	ug/kg	ND	330	01/29/15 16:25	
2,4-Dichlorophenol	ug/kg	ND	330	01/29/15 16:25	
2,4-Dimethylphenol	ug/kg	ND	330	01/29/15 16:25	
2,4-Dinitrophenol	ug/kg	ND	1650	01/29/15 16:25	
2,4-Dinitrotoluene	ug/kg	ND	330	01/29/15 16:25	
2,6-Dinitrotoluene	ug/kg	ND	330	01/29/15 16:25	
2-Chloronaphthalene	ug/kg	ND	330	01/29/15 16:25	
2-Chlorophenol	ug/kg	ND	330	01/29/15 16:25	
2-Methylnaphthalene	ug/kg	ND	330	01/29/15 16:25	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	01/29/15 16:25	
2-Nitroaniline	ug/kg	ND	1650	01/29/15 16:25	
2-Nitrophenol	ug/kg	ND	330	01/29/15 16:25	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	330	01/29/15 16:25	
3,3'-Dichlorobenzidine	ug/kg	ND	1650	01/29/15 16:25	
3-Nitroaniline	ug/kg	ND	1650	01/29/15 16:25	
4,6-Dinitro-2-methylphenol	ug/kg	ND	660	01/29/15 16:25	
4-Bromophenylphenyl ether	ug/kg	ND	330	01/29/15 16:25	
4-Chloro-3-methylphenol	ug/kg	ND	660	01/29/15 16:25	
4-Chloroaniline	ug/kg	ND	1650	01/29/15 16:25	
4-Chlorophenylphenyl ether	ug/kg	ND	330	01/29/15 16:25	
4-Nitroaniline	ug/kg	ND	660	01/29/15 16:25	
4-Nitrophenol	ug/kg	ND	1650	01/29/15 16:25	
Acenaphthene	ug/kg	ND	330	01/29/15 16:25	
Acenaphthylene	ug/kg	ND	330	01/29/15 16:25	
Aniline	ug/kg	ND	330	01/29/15 16:25	
Anthracene	ug/kg	ND	330	01/29/15 16:25	
Benzo(a)anthracene	ug/kg	ND	330	01/29/15 16:25	
Benzo(a)pyrene	ug/kg	ND	330	01/29/15 16:25	
Benzo(b)fluoranthene	ug/kg	ND	330	01/29/15 16:25	
Benzo(g,h,i)perylene	ug/kg	ND	330	01/29/15 16:25	
Benzo(k)fluoranthene	ug/kg	ND	330	01/29/15 16:25	
Benzoic Acid	ug/kg	ND	1650	01/29/15 16:25	
Benzyl alcohol	ug/kg	ND	660	01/29/15 16:25	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	01/29/15 16:25	
bis(2-Chloroethyl) ether	ug/kg	ND	330	01/29/15 16:25	

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

METHOD BLANK: 1378500 Matrix: Solid
Associated Lab Samples: 92234851001, 92234851002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/kg	ND	330	01/29/15 16:25	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	01/29/15 16:25	
Butylbenzylphthalate	ug/kg	ND	330	01/29/15 16:25	
Chrysene	ug/kg	ND	330	01/29/15 16:25	
Di-n-butylphthalate	ug/kg	ND	330	01/29/15 16:25	
Di-n-octylphthalate	ug/kg	ND	330	01/29/15 16:25	
Dibenz(a,h)anthracene	ug/kg	ND	330	01/29/15 16:25	
Dibenzofuran	ug/kg	ND	330	01/29/15 16:25	
Diethylphthalate	ug/kg	ND	330	01/29/15 16:25	
Dimethylphthalate	ug/kg	ND	330	01/29/15 16:25	
Fluoranthene	ug/kg	ND	330	01/29/15 16:25	
Fluorene	ug/kg	ND	330	01/29/15 16:25	
Hexachloro-1,3-butadiene	ug/kg	ND	330	01/29/15 16:25	
Hexachlorobenzene	ug/kg	ND	330	01/29/15 16:25	
Hexachlorocyclopentadiene	ug/kg	ND	330	01/29/15 16:25	
Hexachloroethane	ug/kg	ND	330	01/29/15 16:25	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	01/29/15 16:25	
Isophorone	ug/kg	ND	330	01/29/15 16:25	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	01/29/15 16:25	
N-Nitrosodimethylamine	ug/kg	ND	330	01/29/15 16:25	
N-Nitrosodiphenylamine	ug/kg	ND	330	01/29/15 16:25	
Naphthalene	ug/kg	ND	330	01/29/15 16:25	
Nitrobenzene	ug/kg	ND	330	01/29/15 16:25	
Pentachlorophenol	ug/kg	ND	1650	01/29/15 16:25	
Phenanthrene	ug/kg	ND	330	01/29/15 16:25	
Phenol	ug/kg	ND	330	01/29/15 16:25	
Pyrene	ug/kg	ND	330	01/29/15 16:25	
2,4,6-Tribromophenol (S)	%	91	27-110	01/29/15 16:25	
2-Fluorobiphenyl (S)	%	80	30-110	01/29/15 16:25	
2-Fluorophenol (S)	%	72	13-110	01/29/15 16:25	
Nitrobenzene-d5 (S)	%	70	23-110	01/29/15 16:25	
Phenol-d6 (S)	%	72	22-110	01/29/15 16:25	
Terphenyl-d14 (S)	%	85	28-110	01/29/15 16:25	

LABORATORY CONTROL SAMPLE: 1378501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/kg	1670	1410	85	36-120	
1,2-Dichlorobenzene	ug/kg	1670	1400	84	41-120	
1,3-Dichlorobenzene	ug/kg	1670	1340	80	66-120	
1,4-Dichlorobenzene	ug/kg	1670	1350	81	42-120	
1-Methylnaphthalene	ug/kg	1670	1460	88	40-120	
2,4,5-Trichlorophenol	ug/kg	1670	1460	88	37-120	
2,4,6-Trichlorophenol	ug/kg	1670	1450	87	40-120	

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

LABORATORY CONTROL SAMPLE: 1378501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dichlorophenol	ug/kg	1670	1480	89	33-120	
2,4-Dimethylphenol	ug/kg	1670	1400	84	36-120	
2,4-Dinitrophenol	ug/kg	8330	6500	78	22-121	
2,4-Dinitrotoluene	ug/kg	1670	1620	97	60-120	
2,6-Dinitrotoluene	ug/kg	1670	1630	98	54-120	
2-Chloronaphthalene	ug/kg	1670	1410	84	41-120	
2-Chlorophenol	ug/kg	1670	1420	85	39-120	
2-Methylnaphthalene	ug/kg	1670	1350	81	26-120	
2-Methylphenol(o-Cresol)	ug/kg	1670	1320	79	41-120	
2-Nitroaniline	ug/kg	3330	2540	76	45-120	
2-Nitrophenol	ug/kg	1670	1470	88	35-120	
3&4-Methylphenol(m&p Cresol)	ug/kg	1670	1290	77	35-120	
3,3'-Dichlorobenzidine	ug/kg	3330	2820	85	16-125	
3-Nitroaniline	ug/kg	3330	2840	85	45-120	
4,6-Dinitro-2-methylphenol	ug/kg	3330	3110	93	46-120	
4-Bromophenylphenyl ether	ug/kg	1670	1600	96	36-120	
4-Chloro-3-methylphenol	ug/kg	3330	2980	89	37-120	
4-Chloroaniline	ug/kg	3330	2560	77	35-120	
4-Chlorophenylphenyl ether	ug/kg	1670	1560	94	30-120	
4-Nitroaniline	ug/kg	3330	3060	92	48-120	
4-Nitrophenol	ug/kg	8330	7590	91	43-120	
Acenaphthene	ug/kg	1670	1430	86	46-120	
Acenaphthylene	ug/kg	1670	1460	88	46-120	
Aniline	ug/kg	1670	1140	68	33-120	
Anthracene	ug/kg	1670	1470	88	63-120	
Benzo(a)anthracene	ug/kg	1670	1510	91	61-120	
Benzo(a)pyrene	ug/kg	1670	1560	93	59-120	
Benzo(b)fluoranthene	ug/kg	1670	1450	87	55-120	
Benzo(g,h,i)perylene	ug/kg	1670	1470	88	57-120	
Benzo(k)fluoranthene	ug/kg	1670	1380	83	56-120	
Benzoic Acid	ug/kg	8330	5120	61	13-120	
Benzyl alcohol	ug/kg	3330	2770	83	34-120	
bis(2-Chloroethoxy)methane	ug/kg	1670	1290	77	21-120	
bis(2-Chloroethyl) ether	ug/kg	1670	1270	76	25-120	
bis(2-Chloroisopropyl) ether	ug/kg	1670	935	56	13-120	
bis(2-Ethylhexyl)phthalate	ug/kg	1670	1690	102	56-123	
Butylbenzylphthalate	ug/kg	1670	1660	100	57-120	
Chrysene	ug/kg	1670	1520	91	64-120	
Di-n-butylphthalate	ug/kg	1670	1660	100	58-120	
Di-n-octylphthalate	ug/kg	1670	1630	98	47-121	
Dibenz(a,h)anthracene	ug/kg	1670	1590	95	56-120	
Dibenzofuran	ug/kg	1670	1530	92	43-120	
Diethylphthalate	ug/kg	1670	1610	96	55-120	
Dimethylphthalate	ug/kg	1670	1530	92	54-120	
Fluoranthene	ug/kg	1670	1610	96	61-120	
Fluorene	ug/kg	1670	1560	94	51-120	
Hexachloro-1,3-butadiene	ug/kg	1670	1530	92	22-120	

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

LABORATORY CONTROL SAMPLE: 1378501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorobenzene	ug/kg	1670	1620	97	53-120	
Hexachlorocyclopentadiene	ug/kg	1670	1470	88	18-150	
Hexachloroethane	ug/kg	1670	1360	82	39-120	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1630	98	58-120	
Isophorone	ug/kg	1670	1310	78	38-120	
N-Nitroso-di-n-propylamine	ug/kg	1670	1210	73	30-120	
N-Nitrosodimethylamine	ug/kg	1670	1140	69	32-120	
N-Nitrosodiphenylamine	ug/kg	1670	1490	89	50-120	
Naphthalene	ug/kg	1670	1400	84	38-120	
Nitrobenzene	ug/kg	1670	1280	77	37-120	
Pentachlorophenol	ug/kg	3330	3110	93	10-120	
Phenanthrene	ug/kg	1670	1450	87	62-120	
Phenol	ug/kg	1670	1370	82	37-120	
Pyrene	ug/kg	1670	1410	85	63-120	
2,4,6-Tribromophenol (S)	%			104	27-110	
2-Fluorobiphenyl (S)	%			85	30-110	
2-Fluorophenol (S)	%			82	13-110	
Nitrobenzene-d5 (S)	%			74	23-110	
Phenol-d6 (S)	%			81	22-110	
Terphenyl-d14 (S)	%			88	28-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1378502 1378503

Parameter	Units	92233871003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/kg	ND	2010	2010	1150	1120	57	56	18-119	2	
1,2-Dichlorobenzene	ug/kg	ND	2010	2010	1160	1260	58	63	50-110	8	
1,3-Dichlorobenzene	ug/kg	ND	2010	2010	1100	1120	55	56	27-110	1	
1,4-Dichlorobenzene	ug/kg	ND	2010	2010	1110	1120	55	56	28-110	1	
1-Methylnaphthalene	ug/kg	ND	2010	2010	1200	1380	60	69	24-116	14	
2,4,5-Trichlorophenol	ug/kg	ND	2010	2010	1390	1350	69	67	28-110	3	
2,4,6-Trichlorophenol	ug/kg	ND	2010	2010	1280	1090	64	54	17-117	16	
2,4-Dichlorophenol	ug/kg	ND	2010	2010	1130	1180	56	59	21-128	5	
2,4-Dimethylphenol	ug/kg	ND	2010	2010	570	399	28	20	10-120	35	R1
2,4-Dinitrophenol	ug/kg	ND	10000	10000	7280	5590	73	56	10-107	26	
2,4-Dinitrotoluene	ug/kg	ND	2010	2010	1800	1800	90	89	36-109	0	
2,6-Dinitrotoluene	ug/kg	ND	2010	2010	1780	1630	89	81	32-110	9	
2-Chloronaphthalene	ug/kg	ND	2010	2010	1220	1140	61	57	30-107	7	
2-Chlorophenol	ug/kg	ND	2010	2010	1080	1110	54	55	14-106	3	
2-Methylnaphthalene	ug/kg	ND	2010	2010	1090	1200	54	60	10-135	10	
2-Methylphenol(o-Cresol)	ug/kg	ND	2010	2010	749	728	37	36	10-124	3	
2-Nitroaniline	ug/kg	ND	4010	4010	2710	2510	67	63	26-116	8	
2-Nitrophenol	ug/kg	ND	2010	2010	1210	987	60	49	28-103	21	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	2010	2010	775	806	39	40	10-109	4	

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1378502 1378503

Parameter	Units	92233871003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
3,3'-Dichlorobenzidine	ug/kg	ND	4010	4010	2610	2130	65	53	10-150	20	
3-Nitroaniline	ug/kg	ND	4010	4010	3150	3300	78	82	22-110	5	
4,6-Dinitro-2-methylphenol	ug/kg	ND	4010	4010	3620	2380	90	59	13-121	41	R1
4-Bromophenylphenyl ether	ug/kg	ND	2010	2010	1570	1430	78	71	31-109	9	
4-Chloro-3-methylphenol	ug/kg	ND	4010	4010	2450	2750	61	68	13-128	12	
4-Chloroaniline	ug/kg	ND	4010	4010	2170	2460	54	61	18-102	12	
4-Chlorophenylphenyl ether	ug/kg	ND	2010	2010	1500	1400	75	69	29-112	7	
4-Nitroaniline	ug/kg	ND	4010	4010	3520	3810	87	95	16-111	8	
4-Nitrophenol	ug/kg	ND	10000	10000	8740	7860	87	78	14-135	11	
Acenaphthene	ug/kg	ND	2010	2010	1330	1250	66	62	26-114	6	
Acenaphthylene	ug/kg	ND	2010	2010	1370	1260	68	63	32-108	9	
Aniline	ug/kg	ND	2010	2010	729	693	36	34	10-107	5	
Anthracene	ug/kg	ND	2010	2010	1540	1450	77	72	32-111	6	
Benzo(a)anthracene	ug/kg	ND	2010	2010	1530	1350	76	67	25-117	13	
Benzo(a)pyrene	ug/kg	ND	2010	2010	1570	1440	78	72	25-106	8	
Benzo(b)fluoranthene	ug/kg	ND	2010	2010	1550	1290	77	64	24-110	18	
Benzo(g,h,i)perylene	ug/kg	ND	2010	2010	1500	1230	75	61	19-112	20	
Benzo(k)fluoranthene	ug/kg	ND	2010	2010	1370	1330	68	66	24-114	2	
Benzoic Acid	ug/kg	ND	10000	10000	1110J	1070J	11	11	10-110		
Benzyl alcohol	ug/kg	ND	4010	4010	2290	2500	57	62	24-106	9	
bis(2-Chloroethoxy)methane	ug/kg	ND	2010	2010	1050	933	52	46	13-119	12	
bis(2-Chloroethyl) ether	ug/kg	ND	2010	2010	1030	1040	51	52	10-134	1	
bis(2-Chloroisopropyl) ether	ug/kg	ND	2010	2010	777	994	39	49	10-113	24	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	2010	2010	1680	1280	84	64	10-125	27	
Butylbenzylphthalate	ug/kg	ND	2010	2010	1680	1390	84	69	18-110	19	
Chrysene	ug/kg	ND	2010	2010	1550	1480	77	73	30-110	5	
Di-n-butylphthalate	ug/kg	ND	2010	2010	1710	1500	85	75	19-112	13	
Di-n-octylphthalate	ug/kg	ND	2010	2010	1680	1620	84	80	17-105	4	
Dibenz(a,h)anthracene	ug/kg	ND	2010	2010	1610	1400	80	69	23-111	14	
Dibenzofuran	ug/kg	ND	2010	2010	1480	1380	74	69	35-103	7	
Diethylphthalate	ug/kg	ND	2010	2010	1730	1570	86	78	27-113	10	
Dimethylphthalate	ug/kg	ND	2010	2010	1640	1490	81	74	26-111	9	
Fluoranthene	ug/kg	ND	2010	2010	1690	1610	84	80	33-109	5	
Fluorene	ug/kg	ND	2010	2010	1560	1530	78	76	32-113	1	
Hexachloro-1,3-butadiene	ug/kg	ND	2010	2010	1170	1020	58	51	16-116	14	
Hexachlorobenzene	ug/kg	ND	2010	2010	1650	1510	82	75	27-120	9	
Hexachlorocyclopentadiene	ug/kg	ND	2010	2010	1180	ND	59	0	10-108		M0
Hexachloroethane	ug/kg	ND	2010	2010	1090	727	54	36	10-117	40	R1
Indeno(1,2,3-cd)pyrene	ug/kg	ND	2010	2010	1680	1420	83	71	10-122	16	
Isophorone	ug/kg	ND	2010	2010	1110	1040	55	52	28-114	6	
N-Nitroso-di-n-propylamine	ug/kg	ND	2010	2010	1020	1260	51	63	27-113	21	
N-Nitrosodimethylamine	ug/kg	ND	2010	2010	931	714	46	36	10-109	26	
N-Nitrosodiphenylamine	ug/kg	ND	2010	2010	1510	1280	75	64	10-128	16	
Naphthalene	ug/kg	ND	2010	2010	1160	1130	58	56	25-110	2	
Nitrobenzene	ug/kg	ND	2010	2010	1080	924	54	46	18-114	15	
Pentachlorophenol	ug/kg	ND	4010	4010	3390	2520	84	63	10-122	30	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1378502 1378503

Parameter	Units	92233871003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Phenanthrene	ug/kg	ND	2010	2010	1530	1430	76	71	30-114	6	
Phenol	ug/kg	ND	2010	2010	962	977	48	49	11-102	2	
Pyrene	ug/kg	ND	2010	2010	1450	1290	72	64	25-116	12	
2,4,6-Tribromophenol (S)	%						75	61	27-110		
2-Fluorobiphenyl (S)	%						57	46	30-110		
2-Fluorophenol (S)	%						44	34	13-110		
Nitrobenzene-d5 (S)	%						50	43	23-110		
Phenol-d6 (S)	%						46	47	22-110		
Terphenyl-d14 (S)	%						69	63	28-110		

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

QC Batch: OEXT/32545
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 Water MSSV
Associated Lab Samples: 92234851003, 92234851004

METHOD BLANK: 1378668
Matrix: Water
Associated Lab Samples: 92234851003, 92234851004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	01/29/15 11:15	
1,2-Dichlorobenzene	ug/L	ND	10.0	01/29/15 11:15	
1,3-Dichlorobenzene	ug/L	ND	10.0	01/29/15 11:15	
1,4-Dichlorobenzene	ug/L	ND	10.0	01/29/15 11:15	
1-Methylnaphthalene	ug/L	ND	10.0	01/29/15 11:15	
2,4,5-Trichlorophenol	ug/L	ND	10.0	01/29/15 11:15	
2,4,6-Trichlorophenol	ug/L	ND	10.0	01/29/15 11:15	
2,4-Dichlorophenol	ug/L	ND	10.0	01/29/15 11:15	
2,4-Dimethylphenol	ug/L	ND	10.0	01/29/15 11:15	
2,4-Dinitrophenol	ug/L	ND	50.0	01/29/15 11:15	
2,4-Dinitrotoluene	ug/L	ND	10.0	01/29/15 11:15	
2,6-Dinitrotoluene	ug/L	ND	10.0	01/29/15 11:15	
2-Chloronaphthalene	ug/L	ND	10.0	01/29/15 11:15	
2-Chlorophenol	ug/L	ND	10.0	01/29/15 11:15	
2-Methylnaphthalene	ug/L	ND	10.0	01/29/15 11:15	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	01/29/15 11:15	
2-Nitroaniline	ug/L	ND	50.0	01/29/15 11:15	
2-Nitrophenol	ug/L	ND	10.0	01/29/15 11:15	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	01/29/15 11:15	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	01/29/15 11:15	
3-Nitroaniline	ug/L	ND	50.0	01/29/15 11:15	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	01/29/15 11:15	
4-Bromophenylphenyl ether	ug/L	ND	10.0	01/29/15 11:15	
4-Chloro-3-methylphenol	ug/L	ND	20.0	01/29/15 11:15	
4-Chloroaniline	ug/L	ND	20.0	01/29/15 11:15	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	01/29/15 11:15	
4-Nitroaniline	ug/L	ND	20.0	01/29/15 11:15	
4-Nitrophenol	ug/L	ND	50.0	01/29/15 11:15	
Acenaphthene	ug/L	ND	10.0	01/29/15 11:15	
Acenaphthylene	ug/L	ND	10.0	01/29/15 11:15	
Aniline	ug/L	ND	10.0	01/29/15 11:15	
Anthracene	ug/L	ND	10.0	01/29/15 11:15	
Benzo(a)anthracene	ug/L	ND	10.0	01/29/15 11:15	
Benzo(a)pyrene	ug/L	ND	10.0	01/29/15 11:15	
Benzo(b)fluoranthene	ug/L	ND	10.0	01/29/15 11:15	
Benzo(g,h,i)perylene	ug/L	ND	10.0	01/29/15 11:15	
Benzo(k)fluoranthene	ug/L	ND	10.0	01/29/15 11:15	
Benzoic Acid	ug/L	ND	50.0	01/29/15 11:15	
Benzyl alcohol	ug/L	ND	20.0	01/29/15 11:15	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	01/29/15 11:15	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	01/29/15 11:15	

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

METHOD BLANK: 1378668 Matrix: Water
Associated Lab Samples: 92234851003, 92234851004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	01/29/15 11:15	
bis(2-Ethylhexyl)phthalate	ug/L	ND	6.0	01/29/15 11:15	
Butylbenzylphthalate	ug/L	ND	10.0	01/29/15 11:15	
Chrysene	ug/L	ND	10.0	01/29/15 11:15	
Di-n-butylphthalate	ug/L	ND	10.0	01/29/15 11:15	
Di-n-octylphthalate	ug/L	ND	10.0	01/29/15 11:15	
Dibenz(a,h)anthracene	ug/L	ND	10.0	01/29/15 11:15	
Dibenzofuran	ug/L	ND	10.0	01/29/15 11:15	
Diethylphthalate	ug/L	ND	10.0	01/29/15 11:15	
Dimethylphthalate	ug/L	ND	10.0	01/29/15 11:15	
Fluoranthene	ug/L	ND	10.0	01/29/15 11:15	
Fluorene	ug/L	ND	10.0	01/29/15 11:15	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	01/29/15 11:15	
Hexachlorobenzene	ug/L	ND	10.0	01/29/15 11:15	
Hexachlorocyclopentadiene	ug/L	ND	10.0	01/29/15 11:15	
Hexachloroethane	ug/L	ND	10.0	01/29/15 11:15	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	01/29/15 11:15	
Isophorone	ug/L	ND	10.0	01/29/15 11:15	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	01/29/15 11:15	
N-Nitrosodimethylamine	ug/L	ND	10.0	01/29/15 11:15	
N-Nitrosodiphenylamine	ug/L	ND	10.0	01/29/15 11:15	
Naphthalene	ug/L	ND	10.0	01/29/15 11:15	
Nitrobenzene	ug/L	ND	10.0	01/29/15 11:15	
Pentachlorophenol	ug/L	ND	25.0	01/29/15 11:15	
Phenanthrene	ug/L	ND	10.0	01/29/15 11:15	
Phenol	ug/L	ND	10.0	01/29/15 11:15	
Pyrene	ug/L	ND	10.0	01/29/15 11:15	
2,4,6-Tribromophenol (S)	%	51	27-110	01/29/15 11:15	
2-Fluorobiphenyl (S)	%	42	27-110	01/29/15 11:15	
2-Fluorophenol (S)	%	22	12-110	01/29/15 11:15	
Nitrobenzene-d5 (S)	%	39	21-110	01/29/15 11:15	
Phenol-d6 (S)	%	14	10-110	01/29/15 11:15	
Terphenyl-d14 (S)	%	56	31-107	01/29/15 11:15	

LABORATORY CONTROL SAMPLE & LCSD: 1378669 1379095

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	19.5	17.6	39	35	31-120	10	30	
1,2-Dichlorobenzene	ug/L	50	21.6	19.1	43	38	38-120	12	30	
1,3-Dichlorobenzene	ug/L	50	20.6	18.2	41	36	30-122	12	30	
1,4-Dichlorobenzene	ug/L	50	21.2	18.4	42	37	37-120	14	30	
1-Methylnaphthalene	ug/L	50	20.3	19.5	41	39	34-113	4	30	
2,4,5-Trichlorophenol	ug/L	50	30.7	26.5	61	53	43-113	15	30	
2,4,6-Trichlorophenol	ug/L	50	26.0	23.7	52	47	42-120	9	30	

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

LABORATORY CONTROL SAMPLE & LCSD: 1378669 1379095

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2,4-Dichlorophenol	ug/L	50	19.3	19.0	39	38	30-120	2	30	
2,4-Dimethylphenol	ug/L	50	17.8	17.8	36	36	29-111	0	30	
2,4-Dinitrophenol	ug/L	250	163	139	65	55	19-132	16	30	
2,4-Dinitrotoluene	ug/L	50	40.5	32.8	81	66	58-128	21	30	
2,6-Dinitrotoluene	ug/L	50	39.0	32.2	78	64	54-129	19	30	
2-Chloronaphthalene	ug/L	50	25.4	24.0	51	48	43-117	6	30	
2-Chlorophenol	ug/L	50	19.7	18.1	39	36	37-120	9	30	L2
2-Methylnaphthalene	ug/L	50	18.5	17.8	37	36	33-120	4	30	
2-Methylphenol(o-Cresol)	ug/L	50	15.4	14.8	31	30	31-120	4	30	L2
2-Nitroaniline	ug/L	100	56.6	48.4J	57	48	48-121		30	
2-Nitrophenol	ug/L	50	20.5	19.5	41	39	25-116	5	30	
3&4-Methylphenol(m&p Cresol)	ug/L	50	13.2	13.3	26	27	23-120	0	30	
3,3'-Dichlorobenzidine	ug/L	100	75.9	60.1	76	60	10-154	23	30	
3-Nitroaniline	ug/L	100	72.2	59.6	72	60	43-115	19	30	
4,6-Dinitro-2-methylphenol	ug/L	100	78.2	63.0	78	63	44-124	22	30	
4-Bromophenylphenyl ether	ug/L	50	37.4	30.2	75	60	34-113	21	30	
4-Chloro-3-methylphenol	ug/L	100	48.0	42.1	48	42	31-110	13	30	
4-Chloroaniline	ug/L	100	39.4	38.4	39	38	20-120	3	30	
4-Chlorophenylphenyl ether	ug/L	50	32.9	28.2	66	56	34-116	15	30	
4-Nitroaniline	ug/L	100	78.7	63.5	79	64	46-128	21	30	
4-Nitrophenol	ug/L	250	82.7	69.8	33	28	11-120	17	30	
Acenaphthene	ug/L	50	26.6	23.9	53	48	48-114	11	30	
Acenaphthylene	ug/L	50	26.9	24.4	54	49	48-112	10	30	
Aniline	ug/L	50	16.1	15.1	32	30	26-120	7	30	
Anthracene	ug/L	50	37.3	29.7	75	59	57-118	23	30	
Benzo(a)anthracene	ug/L	50	37.3	29.6	75	59	56-121	23	30	
Benzo(a)pyrene	ug/L	50	40.9	31.2	82	62	55-127	27	30	
Benzo(b)fluoranthene	ug/L	50	40.7	31.7	81	63	53-128	25	30	
Benzo(g,h,i)perylene	ug/L	50	38.3	29.7	77	59	54-125	25	30	
Benzo(k)fluoranthene	ug/L	50	37.5	27.6	75	55	51-123	31	30	R1
Benzoic Acid	ug/L	250	38.2J	36.4J	15	15	10-120		30	
Benzyl alcohol	ug/L	100	35.2	33.5	35	33	27-120	5	30	
bis(2-Chloroethoxy)methane	ug/L	50	22.8	21.6	46	43	32-120	5	30	
bis(2-Chloroethyl) ether	ug/L	50	20.4	19.1	41	38	33-111	6	30	
bis(2-Chloroisopropyl) ether	ug/L	50	14.8	13.5	30	27	15-120	9	30	
bis(2-Ethylhexyl)phthalate	ug/L	50	41.0	31.9	82	64	50-145	25	30	
Butylbenzylphthalate	ug/L	50	41.3	32.5	83	65	54-138	24	30	
Chrysene	ug/L	50	38.0	29.9	76	60	58-127	24	30	
Di-n-butylphthalate	ug/L	50	41.5	32.1	83	64	56-125	25	30	
Di-n-octylphthalate	ug/L	50	38.8	32.3	78	65	50-134	18	30	
Dibenz(a,h)anthracene	ug/L	50	39.8	31.8	80	64	53-129	22	30	
Dibenzofuran	ug/L	50	30.7	27.1	61	54	45-120	13	30	
Diethylphthalate	ug/L	50	38.8	31.5	78	63	53-120	21	30	
Dimethylphthalate	ug/L	50	35.6	29.4	71	59	55-116	19	30	
Fluoranthene	ug/L	50	40.8	31.7	82	63	57-125	25	30	
Fluorene	ug/L	50	34.6	29.1	69	58	53-118	17	30	
Hexachloro-1,3-butadiene	ug/L	50	19.4	17.6	39	35	23-120	9	30	

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

LABORATORY CONTROL SAMPLE & LCSD: 1378669 1379095

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Hexachlorobenzene	ug/L	50	38.1	30.5	76	61	49-116	22	30	
Hexachlorocyclopentadiene	ug/L	50	20.0	19.5	40	39	26-158	2	30	
Hexachloroethane	ug/L	50	22.3	20.1	45	40	30-114	11	30	
Indeno(1,2,3-cd)pyrene	ug/L	50	42.6	33.3	85	67	55-128	25	30	
Isophorone	ug/L	50	17.4	17.0	35	34	31-118	3	30	
N-Nitroso-di-n-propylamine	ug/L	50	18.7	17.6	37	35	32-119	6	30	
N-Nitrosodimethylamine	ug/L	50	13.1	11.4	26	23	13-120	14	30	
N-Nitrosodiphenylamine	ug/L	50	35.4	28.4	71	57	43-120	22	30	
Naphthalene	ug/L	50	19.7	18.1	39	36	32-120	8	30	
Nitrobenzene	ug/L	50	18.5	17.2	37	34	33-110	7	30	
Pentachlorophenol	ug/L	100	70.1	56.5	70	56	10-137	21	30	
Phenanthrene	ug/L	50	36.4	28.8	73	58	57-117	23	30	
Phenol	ug/L	50	ND	9.4J	20	19	10-120		30	
Pyrene	ug/L	50	35.4	27.9	71	56	55-122	24	30	
2,4,6-Tribromophenol (S)	%				80	65	27-110			
2-Fluorobiphenyl (S)	%				44	42	27-110			
2-Fluorophenol (S)	%				24	22	12-110			
Nitrobenzene-d5 (S)	%				36	34	21-110			
Phenol-d6 (S)	%				16	16	10-110			
Terphenyl-d14 (S)	%				73	57	31-107			

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QUALITY CONTROL DATA

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

QC Batch: PMST/7471
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92234851001, 92234851002

SAMPLE DUPLICATE: 1380059

Parameter	Units	92234851001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	24.9	23.2	7	

SAMPLE DUPLICATE: 1380060

Parameter	Units	92235131002 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	17.1	17.3	1	

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Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

1g	The internal standard response is below criteria. No hits associated with this internal standard. Results unaffected by high bias.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
F3	The recovery of the second source standard used to verify the initial calibration curve for this analyte is outside the laboratory's control limits. The result is estimated.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Gussman Cleaners 22171
Pace Project No.: 92234851

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92234851001	**B-1**	EPA 3546	OEXT/32540	EPA 8270	MSSV/10237
92234851002	**B-2**	EPA 3546	OEXT/32540	EPA 8270	MSSV/10237
92234851003	**TW-1**	EPA 3510	OEXT/32545	EPA 8270	MSSV/10240
92234851004	**TW-2**	EPA 3510	OEXT/32545	EPA 8270	MSSV/10240
92234851003	**TW-1**	EPA 8260	MSV/30201		
92234851004	**TW-2**	EPA 8260	MSV/30201		
92234851001	**B-1**	EPA 8260	MSV/30175		
92234851002	**B-2**	EPA 8260	MSV/30175		
92234851001	**B-1**	ASTM D2974-87	PMST/7471		
92234851002	**B-2**	ASTM D2974-87	PMST/7471		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1885195

Section A Required Client Information:

Company: ECS CAROLINAS
Address: WILMINGTON NC
Email To: Amy Conchas
Phone: Fax:
Requested Due Date/TAT: STANDARD

Section B Required Project Information:

Report To: Amy Conchas
Copy To: Brooks
Purchase Order No.:
Project Name: Gussman Cleaners
Project Number: ~~22171~~ 22171

Section C Invoice Information:

Attention: Amy Conchas
Company Name: ECS
Address: ILM NC
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 6955-1,2

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☒ UST ☐ RCRA ☐ OTHER

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) 8260 KIT	8260	8270	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92234851
1	B-1	SL	G			1-22	1030		7				X					6		1		001
2	B-2	SL	G			1-22	1230		7				X					6		1		002
3																						
4	TW-1					1-22	1100		5										3	2		~~003~~ ~~004~~
5	TW-2					1-22	~~[illegible]~~ 1330		5					X	X				3	2		~~004~~ / ~~003~~
6																						1/26/15
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	KBin / ECS	1-23-15	1000	J. Dixon / Pace	1/23/15	1650				
				P. Lin / PACE	1/26/15	800	1.3	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Brooks Wall
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1/23/2015

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

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

Pace Analytical	Sample Condition Upon Receipt (SCUR)	Page 1 of 2
	Document Number: F-CHR-CS-003-rev.15	Issuing Authority: Pace Huntersville Quality Office

Client Name: FCS

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other_____

Custody Seal on Cooler/Box Present: ☐ yes ☐ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other_____

Thermometer Used: IR Gun T1401 **Type of Ice:** Wet Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor **T1401** No Correction

Corrected Cooler Temp.: 1.3 °C **Biological Tissue is Frozen:** Yes No N/A

Date and Initials of person examining contents: PS 1/26/15

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☐Yes ☑No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix:_____		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No	
Samples checked for dechlorination:	☑Yes ☐No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):_____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review:	AMB	Date:	1-26-15
SRF Review:	AMB	Date:	1-27-15

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

WO# : 92234851
92234851

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
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(704)875-9092

January 30, 2015

Amy Conchas
ECS
6714 Netherlands Drive
Wilmington, NC 28405

RE: Project: GUSSMAN CLEANERS 22.22171
Pace Project No.: 92234909

Dear Amy Conchas:
Enclosed are the analytical results for sample(s) received by the laboratory on January 26, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

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

Sincerely,

Angela M. Baioni

Angela Baioni
angela.baioni@pacelabs.com
Project Manager

Enclosures

cc: Ms. Amy Conchas, ECS
Brooks Wall, ECS

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CERTIFICATIONS

Project: GUSSMAN CLEANERS 22.22171
Pace Project No.: 92234909

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

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SAMPLE ANALYTE COUNT

Project: GUSSMAN CLEANERS 22.22171
Pace Project No.: 92234909

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92234909001	**SG-1**	TO-15	MJL	58	PASI-M
92234909002	**SG-2**	TO-15	MJL	58	PASI-M

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SUMMARY OF DETECTION

Project: GUSSMAN CLEANERS 22.22171
Pace Project No.: 92234909

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92234909001	**SG-1**					
TO-15	Acetone	34.0	ug/m3	3.9	01/27/15 22:44	
TO-15	Benzene	5.7	ug/m3	0.52	01/27/15 22:44	
TO-15	2-Butanone (MEK)	14.1	ug/m3	0.97	01/27/15 22:44	
TO-15	Dichlorodifluoromethane	3.3	ug/m3	1.6	01/27/15 22:44	
TO-15	Ethylbenzene	3.4	ug/m3	1.4	01/27/15 22:44	
TO-15	4-Ethyltoluene	2.4	ug/m3	1.6	01/27/15 22:44	
TO-15	n-Heptane	5.0	ug/m3	1.3	01/27/15 22:44	
TO-15	n-Hexane	11.4	ug/m3	1.2	01/27/15 22:44	
TO-15	2-Hexanone	1.7	ug/m3	1.3	01/27/15 22:44	
TO-15	Methylene Chloride	7.0	ug/m3	5.7	01/27/15 22:44	
TO-15	Propylene	9.6	ug/m3	0.56	01/27/15 22:44	
TO-15	Tetrachloroethene	3.3	ug/m3	1.1	01/27/15 22:44	
TO-15	Tetrahydrofuran	10.9	ug/m3	0.97	01/27/15 22:44	
TO-15	Toluene	14.5	ug/m3	1.2	01/27/15 22:44	
TO-15	1,2,4-Trimethylbenzene	9.4	ug/m3	1.6	01/27/15 22:44	
TO-15	1,3,5-Trimethylbenzene	2.5	ug/m3	1.6	01/27/15 22:44	
TO-15	m&p-Xylene	12.7	ug/m3	2.8	01/27/15 22:44	
TO-15	o-Xylene	5.9	ug/m3	1.4	01/27/15 22:44	
92234909002	**SG-2**					
TO-15	Acetone	30.1	ug/m3	4.6	01/27/15 21:46	
TO-15	Benzene	1.6	ug/m3	0.62	01/27/15 21:46	
TO-15	2-Butanone (MEK)	9.0	ug/m3	1.2	01/27/15 21:46	
TO-15	Dichlorodifluoromethane	3.0	ug/m3	1.9	01/27/15 21:46	
TO-15	Ethyl acetate	9.1	ug/m3	1.4	01/27/15 21:46	
TO-15	4-Ethyltoluene	2.2	ug/m3	1.9	01/27/15 21:46	
TO-15	n-Heptane	3.8	ug/m3	1.6	01/27/15 21:46	
TO-15	n-Hexane	29.6	ug/m3	1.4	01/27/15 21:46	
TO-15	Methylene Chloride	33.7	ug/m3	6.8	01/27/15 21:46	
TO-15	Propylene	7.1	ug/m3	0.67	01/27/15 21:46	
TO-15	Tetrachloroethene	3.2	ug/m3	1.3	01/27/15 21:46	
TO-15	Toluene	7.8	ug/m3	1.5	01/27/15 21:46	
TO-15	1,2,4-Trimethylbenzene	8.3	ug/m3	1.9	01/27/15 21:46	
TO-15	1,3,5-Trimethylbenzene	2.1	ug/m3	1.9	01/27/15 21:46	
TO-15	m&p-Xylene	6.0	ug/m3	3.4	01/27/15 21:46	
TO-15	o-Xylene	3.1	ug/m3	1.7	01/27/15 21:46	

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ANALYTICAL RESULTS

Project: GUSSMAN CLEANERS 22.22171
Pace Project No.: 92234909

Sample: SG-1 **Lab ID: 92234909001** Collected: 01/22/15 15:20 Received: 01/26/15 09:20 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**34.0**	ug/m3	3.9	1.61		01/27/15 22:44	67-64-1	
Benzene	**5.7**	ug/m3	0.52	1.61		01/27/15 22:44	71-43-2	
Bromodichloromethane	ND	ug/m3	2.2	1.61		01/27/15 22:44	75-27-4	
Bromoform	ND	ug/m3	3.4	1.61		01/27/15 22:44	75-25-2	
Bromomethane	ND	ug/m3	3.2	1.61		01/27/15 22:44	74-83-9	
1,3-Butadiene	ND	ug/m3	0.72	1.61		01/27/15 22:44	106-99-0	
2-Butanone (MEK)	**14.1**	ug/m3	0.97	1.61		01/27/15 22:44	78-93-3	
Carbon disulfide	ND	ug/m3	1.0	1.61		01/27/15 22:44	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.0	1.61		01/27/15 22:44	56-23-5	
Chlorobenzene	ND	ug/m3	1.5	1.61		01/27/15 22:44	108-90-7	
Chloroethane	ND	ug/m3	0.87	1.61		01/27/15 22:44	75-00-3	
Chloroform	ND	ug/m3	0.80	1.61		01/27/15 22:44	67-66-3	
Chloromethane	ND	ug/m3	1.7	1.61		01/27/15 22:44	74-87-3	
Cyclohexane	ND	ug/m3	1.1	1.61		01/27/15 22:44	110-82-7	
Dibromochloromethane	ND	ug/m3	2.8	1.61		01/27/15 22:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.5	1.61		01/27/15 22:44	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.61		01/27/15 22:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.61		01/27/15 22:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.61		01/27/15 22:44	106-46-7	
Dichlorodifluoromethane	**3.3**	ug/m3	1.6	1.61		01/27/15 22:44	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		01/27/15 22:44	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.66	1.61		01/27/15 22:44	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.3	1.61		01/27/15 22:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	3.2	1.61		01/27/15 22:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		01/27/15 22:44	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.5	1.61		01/27/15 22:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		01/27/15 22:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.61		01/27/15 22:44	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.3	1.61		01/27/15 22:44	76-14-2	
Ethyl acetate	ND	ug/m3	1.2	1.61		01/27/15 22:44	141-78-6	
Ethylbenzene	**3.4**	ug/m3	1.4	1.61		01/27/15 22:44	100-41-4	
4-Ethyltoluene	**2.4**	ug/m3	1.6	1.61		01/27/15 22:44	622-96-8	
n-Heptane	**5.0**	ug/m3	1.3	1.61		01/27/15 22:44	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.5	1.61		01/27/15 22:44	87-68-3	
n-Hexane	**11.4**	ug/m3	1.2	1.61		01/27/15 22:44	110-54-3	
2-Hexanone	**1.7**	ug/m3	1.3	1.61		01/27/15 22:44	591-78-6	
Methylene Chloride	**7.0**	ug/m3	5.7	1.61		01/27/15 22:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	3.4	1.61		01/27/15 22:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.2	1.61		01/27/15 22:44	1634-04-4	
Naphthalene	ND	ug/m3	4.3	1.61		01/27/15 22:44	91-20-3	
Propylene	**9.6**	ug/m3	0.56	1.61		01/27/15 22:44	115-07-1	
Styrene	ND	ug/m3	1.4	1.61		01/27/15 22:44	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.1	1.61		01/27/15 22:44	79-34-5	
Tetrachloroethene	**3.3**	ug/m3	1.1	1.61		01/27/15 22:44	127-18-4	
Tetrahydrofuran	**10.9**	ug/m3	0.97	1.61		01/27/15 22:44	109-99-9	
Toluene	**14.5**	ug/m3	1.2	1.61		01/27/15 22:44	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	2.4	1.61		01/27/15 22:44	120-82-1	

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: GUSSMAN CLEANERS 22.22171
Pace Project No.: 92234909

Sample: SG-1 **Lab ID: 92234909001** Collected: 01/22/15 15:20 Received: 01/26/15 09:20 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
1,1,1-Trichloroethane	ND	ug/m3	1.1	1.61		01/27/15 22:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.89	1.61		01/27/15 22:44	79-00-5	
Trichloroethene	ND	ug/m3	0.88	1.61		01/27/15 22:44	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.8	1.61		01/27/15 22:44	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.6	1.61		01/27/15 22:44	76-13-1	
1,2,4-Trimethylbenzene	**9.4**	ug/m3	1.6	1.61		01/27/15 22:44	95-63-6	
1,3,5-Trimethylbenzene	**2.5**	ug/m3	1.6	1.61		01/27/15 22:44	108-67-8	
Vinyl acetate	ND	ug/m3	1.2	1.61		01/27/15 22:44	108-05-4	
Vinyl chloride	ND	ug/m3	0.42	1.61		01/27/15 22:44	75-01-4	
m&p-Xylene	**12.7**	ug/m3	2.8	1.61		01/27/15 22:44	179601-23-1	
o-Xylene	**5.9**	ug/m3	1.4	1.61		01/27/15 22:44	95-47-6	

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ANALYTICAL RESULTS

Project: GUSSMAN CLEANERS 22.22171
Pace Project No.: 92234909

Sample: SG-2 **Lab ID: 92234909002** Collected: 01/22/15 16:10 Received: 01/26/15 09:20 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**30.1**	ug/m3	4.6	1.92		01/27/15 21:46	67-64-1	
Benzene	**1.6**	ug/m3	0.62	1.92		01/27/15 21:46	71-43-2	
Bromodichloromethane	ND	ug/m3	2.6	1.92		01/27/15 21:46	75-27-4	
Bromoform	ND	ug/m3	4.0	1.92		01/27/15 21:46	75-25-2	
Bromomethane	ND	ug/m3	3.8	1.92		01/27/15 21:46	74-83-9	
1,3-Butadiene	ND	ug/m3	0.86	1.92		01/27/15 21:46	106-99-0	
2-Butanone (MEK)	**9.0**	ug/m3	1.2	1.92		01/27/15 21:46	78-93-3	
Carbon disulfide	ND	ug/m3	1.2	1.92		01/27/15 21:46	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.2	1.92		01/27/15 21:46	56-23-5	
Chlorobenzene	ND	ug/m3	1.8	1.92		01/27/15 21:46	108-90-7	
Chloroethane	ND	ug/m3	1.0	1.92		01/27/15 21:46	75-00-3	
Chloroform	ND	ug/m3	0.95	1.92		01/27/15 21:46	67-66-3	
Chloromethane	ND	ug/m3	2.0	1.92		01/27/15 21:46	74-87-3	
Cyclohexane	ND	ug/m3	1.3	1.92		01/27/15 21:46	110-82-7	
Dibromochloromethane	ND	ug/m3	3.3	1.92		01/27/15 21:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	3.0	1.92		01/27/15 21:46	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.3	1.92		01/27/15 21:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.3	1.92		01/27/15 21:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.3	1.92		01/27/15 21:46	106-46-7	
Dichlorodifluoromethane	**3.0**	ug/m3	1.9	1.92		01/27/15 21:46	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.6	1.92		01/27/15 21:46	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.79	1.92		01/27/15 21:46	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.6	1.92		01/27/15 21:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	3.9	1.92		01/27/15 21:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.6	1.92		01/27/15 21:46	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.8	1.92		01/27/15 21:46	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.8	1.92		01/27/15 21:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.8	1.92		01/27/15 21:46	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.7	1.92		01/27/15 21:46	76-14-2	
Ethyl acetate	**9.1**	ug/m3	1.4	1.92		01/27/15 21:46	141-78-6	
Ethylbenzene	ND	ug/m3	1.7	1.92		01/27/15 21:46	100-41-4	
4-Ethyltoluene	**2.2**	ug/m3	1.9	1.92		01/27/15 21:46	622-96-8	
n-Heptane	**3.8**	ug/m3	1.6	1.92		01/27/15 21:46	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	4.2	1.92		01/27/15 21:46	87-68-3	
n-Hexane	**29.6**	ug/m3	1.4	1.92		01/27/15 21:46	110-54-3	
2-Hexanone	ND	ug/m3	1.6	1.92		01/27/15 21:46	591-78-6	
Methylene Chloride	**33.7**	ug/m3	6.8	1.92		01/27/15 21:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	4.0	1.92		01/27/15 21:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.4	1.92		01/27/15 21:46	1634-04-4	
Naphthalene	ND	ug/m3	5.1	1.92		01/27/15 21:46	91-20-3	
Propylene	**7.1**	ug/m3	0.67	1.92		01/27/15 21:46	115-07-1	
Styrene	ND	ug/m3	1.7	1.92		01/27/15 21:46	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.3	1.92		01/27/15 21:46	79-34-5	
Tetrachloroethene	**3.2**	ug/m3	1.3	1.92		01/27/15 21:46	127-18-4	
Tetrahydrofuran	ND	ug/m3	1.2	1.92		01/27/15 21:46	109-99-9	
Toluene	**7.8**	ug/m3	1.5	1.92		01/27/15 21:46	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	2.9	1.92		01/27/15 21:46	120-82-1	

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ANALYTICAL RESULTS

Project: GUSSMAN CLEANERS 22.22171
Pace Project No.: 92234909

Sample: SG-2 **Lab ID: 92234909002** Collected: 01/22/15 16:10 Received: 01/26/15 09:20 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
1,1,1-Trichloroethane	ND	ug/m3	1.3	1.92		01/27/15 21:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.1	1.92		01/27/15 21:46	79-00-5	
Trichloroethene	ND	ug/m3	1.0	1.92		01/27/15 21:46	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.2	1.92		01/27/15 21:46	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.1	1.92		01/27/15 21:46	76-13-1	
1,2,4-Trimethylbenzene	**8.3**	ug/m3	1.9	1.92		01/27/15 21:46	95-63-6	
1,3,5-Trimethylbenzene	**2.1**	ug/m3	1.9	1.92		01/27/15 21:46	108-67-8	
Vinyl acetate	ND	ug/m3	1.4	1.92		01/27/15 21:46	108-05-4	
Vinyl chloride	ND	ug/m3	0.50	1.92		01/27/15 21:46	75-01-4	
m&p-Xylene	**6.0**	ug/m3	3.4	1.92		01/27/15 21:46	179601-23-1	
o-Xylene	**3.1**	ug/m3	1.7	1.92		01/27/15 21:46	95-47-6	

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QUALITY CONTROL DATA

Project: GUSSMAN CLEANERS 22.22171
Pace Project No.: 92234909

QC Batch: AIR/22361
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 92234909001, 92234909002

METHOD BLANK: 1889020
Matrix: Air
Associated Lab Samples: 92234909001, 92234909002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	0.70	01/27/15 11:33	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	01/27/15 11:33	
1,1,2-Trichloroethane	ug/m3	ND	0.56	01/27/15 11:33	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	01/27/15 11:33	
1,1-Dichloroethane	ug/m3	ND	0.82	01/27/15 11:33	
1,1-Dichloroethene	ug/m3	ND	0.81	01/27/15 11:33	
1,2,4-Trichlorobenzene	ug/m3	ND	1.5	01/27/15 11:33	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	01/27/15 11:33	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	01/27/15 11:33	
1,2-Dichlorobenzene	ug/m3	ND	1.2	01/27/15 11:33	
1,2-Dichloroethane	ug/m3	ND	0.41	01/27/15 11:33	
1,2-Dichloropropane	ug/m3	ND	0.94	01/27/15 11:33	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	01/27/15 11:33	
1,3-Butadiene	ug/m3	ND	0.45	01/27/15 11:33	
1,3-Dichlorobenzene	ug/m3	ND	1.2	01/27/15 11:33	
1,4-Dichlorobenzene	ug/m3	ND	1.2	01/27/15 11:33	
2-Butanone (MEK)	ug/m3	ND	0.60	01/27/15 11:33	
2-Hexanone	ug/m3	ND	0.83	01/27/15 11:33	
4-Ethyltoluene	ug/m3	ND	1.0	01/27/15 11:33	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	2.1	01/27/15 11:33	
Acetone	ug/m3	ND	2.4	01/27/15 11:33	
Benzene	ug/m3	ND	0.32	01/27/15 11:33	
Bromodichloromethane	ug/m3	ND	1.4	01/27/15 11:33	
Bromoform	ug/m3	ND	2.1	01/27/15 11:33	
Bromomethane	ug/m3	ND	2.0	01/27/15 11:33	
Carbon disulfide	ug/m3	ND	0.63	01/27/15 11:33	
Carbon tetrachloride	ug/m3	ND	0.64	01/27/15 11:33	
Chlorobenzene	ug/m3	ND	0.94	01/27/15 11:33	
Chloroethane	ug/m3	ND	0.54	01/27/15 11:33	
Chloroform	ug/m3	ND	0.50	01/27/15 11:33	
Chloromethane	ug/m3	ND	1.0	01/27/15 11:33	
cis-1,2-Dichloroethene	ug/m3	ND	2.0	01/27/15 11:33	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	01/27/15 11:33	
Cyclohexane	ug/m3	ND	0.70	01/27/15 11:33	
Dibromochloromethane	ug/m3	ND	1.7	01/27/15 11:33	
Dichlorodifluoromethane	ug/m3	ND	1.0	01/27/15 11:33	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	01/27/15 11:33	
Ethyl acetate	ug/m3	ND	0.73	01/27/15 11:33	
Ethylbenzene	ug/m3	ND	0.88	01/27/15 11:33	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	01/27/15 11:33	
m&p-Xylene	ug/m3	ND	1.8	01/27/15 11:33	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GUSSMAN CLEANERS 22.22171
Pace Project No.: 92234909

METHOD BLANK: 1889020 Matrix: Air
Associated Lab Samples: 92234909001, 92234909002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Methyl-tert-butyl ether	ug/m3	ND	0.73	01/27/15 11:33	
Methylene Chloride	ug/m3	ND	3.5	01/27/15 11:33	
n-Heptane	ug/m3	ND	0.83	01/27/15 11:33	
n-Hexane	ug/m3	ND	0.72	01/27/15 11:33	
Naphthalene	ug/m3	ND	2.7	01/27/15 11:33	
o-Xylene	ug/m3	ND	0.88	01/27/15 11:33	
Propylene	ug/m3	ND	0.35	01/27/15 11:33	
Styrene	ug/m3	ND	0.87	01/27/15 11:33	
Tetrachloroethene	ug/m3	ND	0.69	01/27/15 11:33	
Tetrahydrofuran	ug/m3	ND	0.60	01/27/15 11:33	
Toluene	ug/m3	ND	0.77	01/27/15 11:33	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	01/27/15 11:33	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	01/27/15 11:33	
Trichloroethene	ug/m3	ND	0.55	01/27/15 11:33	
Trichlorofluoromethane	ug/m3	ND	1.1	01/27/15 11:33	
Vinyl acetate	ug/m3	ND	0.72	01/27/15 11:33	
Vinyl chloride	ug/m3	ND	0.26	01/27/15 11:33	

LABORATORY CONTROL SAMPLE: 1889021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	55.7	100	72-140	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	65.7	94	68-137	
1,1,2-Trichloroethane	ug/m3	55.5	51.7	93	66-138	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	80.6	103	70-132	
1,1-Dichloroethane	ug/m3	41.2	43.3	105	68-137	
1,1-Dichloroethene	ug/m3	40.3	40.6	101	73-138	
1,2,4-Trichlorobenzene	ug/m3	75.5	65.8	87	48-150	
1,2,4-Trimethylbenzene	ug/m3	50	49.4	99	75-134	
1,2-Dibromoethane (EDB)	ug/m3	78.1	79.1	101	75-132	
1,2-Dichlorobenzene	ug/m3	61.2	57.2	94	71-129	
1,2-Dichloroethane	ug/m3	41.2	44.3	108	73-139	
1,2-Dichloropropane	ug/m3	47	46.9	100	70-130	
1,3,5-Trimethylbenzene	ug/m3	50	45.6	91	75-133	
1,3-Butadiene	ug/m3	22.5	24.2	108	66-135	
1,3-Dichlorobenzene	ug/m3	61.2	57.1	93	75-131	
1,4-Dichlorobenzene	ug/m3	61.2	58.2	95	69-135	
2-Butanone (MEK)	ug/m3	30	30.7	102	67-131	
2-Hexanone	ug/m3	41.7	41.1	99	72-130	
4-Ethyltoluene	ug/m3	50	47.5	95	75-130	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	37.3	90	68-134	
Acetone	ug/m3	24.2	20.9	86	63-144	
Benzene	ug/m3	32.5	29.1	90	64-139	
Bromodichloromethane	ug/m3	68.2	67.6	99	75-134	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GUSSMAN CLEANERS 22.22171
Pace Project No.: 92234909

LABORATORY CONTROL SAMPLE: 1889021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/m3	105	99.1	94	72-130	
Bromomethane	ug/m3	39.5	39.9	101	71-132	
Carbon disulfide	ug/m3	31.7	28.2	89	56-139	
Carbon tetrachloride	ug/m3	64	58.7	92	75-150	
Chlorobenzene	ug/m3	46.8	46.2	99	71-132	
Chloroethane	ug/m3	26.8	31.2	116	71-129	
Chloroform	ug/m3	49.7	46.7	94	73-136	
Chloromethane	ug/m3	21	22.1	105	52-143	
cis-1,2-Dichloroethene	ug/m3	40.3	43.8	109	64-137	
cis-1,3-Dichloropropene	ug/m3	46.2	47.8	104	75-128	
Cyclohexane	ug/m3	35	30.7	88	62-143	
Dibromochloromethane	ug/m3	86.6	83.0	96	75-136	
Dichlorodifluoromethane	ug/m3	50.3	54.2	108	70-141	
Dichlorotetrafluoroethane	ug/m3	71.1	73.7	104	71-139	
Ethyl acetate	ug/m3	36.6	36.2	99	64-137	
Ethylbenzene	ug/m3	44.2	41.5	94	71-136	
Hexachloro-1,3-butadiene	ug/m3	108	104	96	51-150	
m&p-Xylene	ug/m3	88.3	81.5	92	71-134	
Methyl-tert-butyl ether	ug/m3	36.7	35.6	97	73-134	
Methylene Chloride	ug/m3	35.3	35.0	99	64-130	
n-Heptane	ug/m3	41.7	43.1	103	63-135	
n-Hexane	ug/m3	35.8	38.8	108	69-135	
Naphthalene	ug/m3	53.3	48.0	90	43-150	
o-Xylene	ug/m3	44.2	41.9	95	75-134	
Propylene	ug/m3	17.5	16.0	92	58-135	
Styrene	ug/m3	43.3	42.0	97	75-133	
Tetrachloroethene	ug/m3	69	66.9	97	66-137	
Tetrahydrofuran	ug/m3	30	27.9	93	58-135	
Toluene	ug/m3	38.3	31.0	81	70-129	
trans-1,2-Dichloroethene	ug/m3	40.3	39.5	98	61-140	
trans-1,3-Dichloropropene	ug/m3	46.2	47.8	103	75-134	
Trichloroethene	ug/m3	54.6	53.6	98	70-134	
Trichlorofluoromethane	ug/m3	57.1	58.3	102	67-140	
Vinyl acetate	ug/m3	35.8	34.0	95	60-139	
Vinyl chloride	ug/m3	26	26.6	102	72-129	

SAMPLE DUPLICATE: 1889709

Parameter	Units	92234909001 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		
1,1,2-Trichloroethane	ug/m3	ND	ND		
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		
1,1-Dichloroethane	ug/m3	ND	ND		
1,1-Dichloroethene	ug/m3	ND	ND		

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QUALITY CONTROL DATA

Project: GUSSMAN CLEANERS 22.22171
Pace Project No.: 92234909

SAMPLE DUPLICATE: 1889709

Parameter	Units	92234909001 Result	Dup Result	RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/m3	ND	ND		
1,2,4-Trimethylbenzene	ug/m3	9.4	9.5	1	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		
1,2-Dichlorobenzene	ug/m3	ND	ND		
1,2-Dichloroethane	ug/m3	ND	ND		
1,2-Dichloropropane	ug/m3	ND	ND		
1,3,5-Trimethylbenzene	ug/m3	2.5	2.2	12	
1,3-Butadiene	ug/m3	ND	ND		
1,3-Dichlorobenzene	ug/m3	ND	ND		
1,4-Dichlorobenzene	ug/m3	ND	ND		
2-Butanone (MEK)	ug/m3	14.1	14.8	5	
2-Hexanone	ug/m3	1.7	1.9	9	
4-Ethyltoluene	ug/m3	2.4	2.6	7	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	3J		
Acetone	ug/m3	34.0	33.6	1	
Benzene	ug/m3	5.7	6.2	9	
Bromodichloromethane	ug/m3	ND	ND		
Bromoform	ug/m3	ND	ND		
Bromomethane	ug/m3	ND	ND		
Carbon disulfide	ug/m3	ND	.75J		
Carbon tetrachloride	ug/m3	ND	ND		
Chlorobenzene	ug/m3	ND	ND		
Chloroethane	ug/m3	ND	ND		
Chloroform	ug/m3	ND	ND		
Chloromethane	ug/m3	ND	ND		
cis-1,2-Dichloroethene	ug/m3	ND	ND		
cis-1,3-Dichloropropene	ug/m3	ND	ND		
Cyclohexane	ug/m3	ND	ND		
Dibromochloromethane	ug/m3	ND	ND		
Dichlorodifluoromethane	ug/m3	3.3	3.0	9	
Dichlorotetrafluoroethane	ug/m3	ND	ND		
Ethyl acetate	ug/m3	ND	ND		
Ethylbenzene	ug/m3	3.4	3.4	1	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		
m&p-Xylene	ug/m3	12.7	12.6	1	
Methyl-tert-butyl ether	ug/m3	ND	ND		
Methylene Chloride	ug/m3	7.0	7.5	7	
n-Heptane	ug/m3	5.0	4.4	12	
n-Hexane	ug/m3	11.4	12.3	8	
Naphthalene	ug/m3	ND	1.1J		
o-Xylene	ug/m3	5.9	5.6	6	
Propylene	ug/m3	9.6	8.7	10	
Styrene	ug/m3	ND	1.1J		
Tetrachloroethene	ug/m3	3.3	2.6	24	
Tetrahydrofuran	ug/m3	10.9	11.4	4	
Toluene	ug/m3	14.5	14.7	1	
trans-1,2-Dichloroethene	ug/m3	ND	ND		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: GUSSMAN CLEANERS 22.22171
Pace Project No.: 92234909

SAMPLE DUPLICATE: 1889709

Parameter	Units	92234909001 Result	Dup Result	RPD	Qualifiers
trans-1,3-Dichloropropene	ug/m3	ND	ND		
Trichloroethene	ug/m3	ND	ND		
Trichlorofluoromethane	ug/m3	ND	.96J		
Vinyl acetate	ug/m3	ND	ND		
Vinyl chloride	ug/m3	ND	ND		

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Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: GUSSMAN CLEANERS 22.22171
Pace Project No.: 92234909

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GUSSMAN CLEANERS 22.22171
Pace Project No.: 92234909

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92234909001	**SG-1**	TO-15	AIR/22361		
92234909002	**SG-2**	TO-15	AIR/22361		

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Pace Analytical®
www.pacelabs.com

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

16405

Page: 1 of 1

Section A Required Client Information:

Company: ECS CAROLINAS
Address: WILMINGTON NC
Email To: Amy Lonchas
Phone: Fax:
Requested Due Date/TAT: STANDARD

Section B Required Project Information:

Report To: Amy Lonchas
Copy To: Brooks Wall
Purchase Order No.:
Project Name: Gussman Clemons
Project Number: 22.22171

Section C Invoice Information:

Attention: Amy Lonchas
Company Name: ECS
Address: ILM NC
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program: UST Superfund Emissions Clean Air Act Voluntary Clean Up Dry Clean RCRA Other

Location of Sampling by State

Reporting Units: ug/m³ mg/m³ PPBV PPMV Other

Report Level II. III. IV. Other

Valid Media Codes: MEDIA / CODE — Tedlar Bag TB; 1 Liter Summa Can 1LC; 6 Liter Summa Can 6LC; Low Volume Puff LVP; High Volume Puff HVP; Other PM10

ITEM #	Section D Required Client Information AIR SAMPLE ID (Sample IDs MUST BE UNIQUE)	MEDIA CODE	PID Reading (Client only)	COLLECTED Composite Start Grab Date	Composite Start Grab Time	Composite End Date	Composite End Time	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	PM10	3C- Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO15 Short List*	Pace Lab ID
1	SG-1	UC		1-22	1450		1520	30	7	433	0897							X			001
2																					
3	SG-2	UC		1-22	~~1450~~																
4					1540		1610	31	12	2040	0928							X			002
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

92234909

Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
K Brooks Wall / ECS	1-23	1600	J. Dixon / Pace	1/23/15	1650
			[illegible] / Pace	1/26/15	0920

SAMPLE CONDITIONS

	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
		Y/N	Y/N	Y/N
AmB		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: K Brooks Wall

SIGNATURE of SAMPLER:

DATE Signed (MM / DD / YY) 01/23/2015

ORIGINAL

Pace Analytical	Document Name: Air Sample Condition Upon Receipt	Document Revised: 26Dec2013 Page 1 of 1
	Document No.: F-MN-A-106-rev.09	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: ECS / Pace NC

Project #: 92234909

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number: 8066 7700 2787, 7801 7053 8878

Custody Seal on Cooler/Box Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☑ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other: **Temp Blank rec:** ☐ Yes ☑ No

Temp. (TO17 and TO13 samples only) (°C): — **Corrected Temp (°C):** — **Thermom. Used:** ☐ B88A912167504 ☐ B88A9132521491 ☐ 72337080 ☐ 80512447

Temp should be above freezing to 6°C **Correction Factor:** — **Date & Initials of Person Examining Contents:** 12615

Type of Ice Received ☐ Blue ☐ Wet ☑ None

				Comments:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Media: Air Can				11.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	12.

Samples Received:

Canisters		Flow Controllers		Stand Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
SG-1	0433		0897		
SG-2	2040		0428		

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: AMB **Date:** 1-26-15

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

WO# : 92234909

92234909

During the work covered by this Safety Plan, there were:

X No observed violations of the Safety Plan provisions.

__The following violations of the Safety Plan provisions (give details in space below and indicate corrective action taken for each violation noted).

Signature:_____ Date 1/22/2015

Field Representative

ON-SITE HEALTH AND SAFTEY MEETING

Location___Gussman Cleaners Site

Attendees:

Printed Name	Signature	Company	Date
Brooks Wall	K. Brooks Wall	ECS	1/22/15

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Jonathan Grubbs

Well Contractor Name

3001

NC Well Contractor Certification Number

Terraquest Environmental Consultants, P.C.

Company Name

2. Well Construction Permit #: _____

List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:

☐Agricultural ☐Municipal/Public

☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)

☐Industrial/Commercial ☐Residential Water Supply (shared)

☐Irrigation

Non-Water Supply Well:

☑Monitoring ☐Recovery

Injection Well:

☐Aquifer Recharge ☐Groundwater Remediation

☐Aquifer Storage and Recovery ☐Salinity Barrier

☐Aquifer Test ☐Stormwater Drainage

☐Experimental Technology ☐Subsidence Control

☐Geothermal (Closed Loop) ☐Tracer

☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 7/6/15 **Well ID#** MW1

5a. Well Location:

Gussman Cleaners

Facility/Owner Name

Facility ID# (if applicable)

223 Craven St. New Bern, NC

Physical Address, City, and Zip

Craven

County

8-001-C -097

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.1057 N -77.0389 W

6. Is (are) the well(s): ☑**Permanent** or ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** or ☑**No**

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1

For multiple injection or non-water supply wells ONLY with the same construction, you can submit one form.

9. Total well depth below land surface: 15' **(ft.)**

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 7.06' **(ft.)**

If water level is above casing, use "+"

11. Borehole diameter: 8.25" **(in.)**

12. Well construction method: Hollow-Stem Auger

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
5 ft.	15 ft.	2in in.	.010	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0.5 ft.	2 ft.	Portland	Pour
2 ft.	3 ft.	Bentonite	Pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
3 ft.	15 ft.	No.2 Sand	Pour
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0 ft.	1 ft.	Concrete
1 ft.	9 ft.	Sand (SC), grey, loose, fine grained
9 ft.	15 ft.	Sandy Fat Clay (CH) grey,stiff,clay,fine sand
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Signature of Certified Well Contractor

7/18/15

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:

Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

Analytical Report 511162

for

Terraquest Environmental Consultants, P.C.

Project Manager: Jonathan Grubbs

Gussman Cleaners

05015

17-JUL-15

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

17-JUL-15

Project Manager: **Jonathan Grubbs**
Terraquest Environmental Consultants, P.C.
100 E. Ruffin Street
Mebane, NC 27302

Reference: XENCO Report No(s): **511162**
Gussman Cleaners
Project Address: NC

Jonathan Grubbs:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 511162. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 511162 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Debbie Simmons

Debbie Simmons
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 511162

Terraquest Environmental Consultants, P.C., Mebane, NC

Gussman Cleaners

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW1	W	07-06-15 13:38		511162-001

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Hits Summary 511162

Terraquest Environmental Consultants, P.C., Mebane, NC

Gussman Cleaners

Sample Id : **MW1**
Lab Sample Id : 511162-001

Matrix : Ground Water
Date Collected : 07.06.15 13.38
Date Received : 07.09.15 09.53

% Moisture :

Analytical Method : MADEP EPH
Seq Number 972426

Prep Method: SW3510C
Date Prep: 07.15.15 10.15

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22	117	ug/L	07.16.15 13.58		1
C19-C36 Aliphatics	ALHYDRC1	102	ug/L	07.15.15 22.32		1

Analytical Method : MADEP VPH
Seq Number 972113

Prep Method: SW5030B
Date Prep: 07.10.15 01.59

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
C9-C10 Aromatics	HYDC9C10	185	ug/L	07.10.15 07.12		1
C9-C12 Aliphatics	ALHYDRC9	260	ug/L	07.10.15 07.12		1

Analytical Method : SVOCs by EPA 625 + 10 TICs
Seq Number 972298

Prep Method: E625P
Date Prep: 07.13.15 15.35

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
1-Methylnaphthalene +	90-12-0	2.95	ug/L	07.14.15 15.24	J	1
Benzyl Alcohol	100-51-6	1.57	ug/L	07.14.15 15.24	J	1
bis(2-ethylhexyl) phthalate	117-81-7	24.9	ug/L	07.14.15 15.24		1
unknown hydrocarbon (TIC)	TIC	7.34	ug/L	07.14.15 15.24	JN	1
9-Hexacosene (TIC)	TIC	12.2	ug/L	07.14.15 15.24	JN	1
Hexadecanoic acid, methyl ester (TIC)	TIC	7.52	ug/L	07.14.15 15.24	JN	1
unknown (TIC)	TIC	9.00	ug/L	07.14.15 15.24	JN	1
unknown (TIC)	TIC	10.5	ug/L	07.14.15 15.24	JN	1
unknown (TIC)	TIC	7.69	ug/L	07.14.15 15.24	JN	1
Benzene, propyl- (TIC)	TIC	9.71	ug/L	07.14.15 15.24	JN	1
Benzene, 1,2,3,5-tetramethyl- (TIC)	TIC	16.9	ug/L	07.14.15 15.24	JN	1
unknown (TIC)	TIC	8.59	ug/L	07.14.15 15.24	JN	1
1-Docosanol (TIC)	TIC	26.2	ug/L	07.14.15 15.24	JN	1

Analytical Method : VOCs by GC/MS by SM6200B
Seq Number 972014

Prep Method: SM6200B_PREP
Date Prep: 07.10.15 06.44

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
4-Isopropyltoluene	99-87-6	5.59	ug/L	07.10.15 15.52		1
n-Butylbenzene	104-51-8	3.16	ug/L	07.10.15 15.52		1
n-Propylbenzene	103-65-1	32.0	ug/L	07.10.15 15.52		1
sec-Butylbenzene	135-98-8	19.4	ug/L	07.10.15 15.52		1
tert-Butylbenzene	98-06-6	15.7	ug/L	07.10.15 15.52		1

Certificate of Analytical Results 511162

Terraquest Environmental Consultants, P.C., Mebane, NC

Gussman Cleaners

Sample Id: **MW1**
Lab Sample Id: 511162-001

Matrix: Ground Water
Date Collected: 07.06.15 13.38

Date Received:07.09.15 09.53

Analytical Method: MADEP EPH
Tech: BRO
Analyst: CLAR
Seq Number: 972426

Date Prep: 07.15.15 10.15

Prep Method: SW3510C
% Moisture:

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22	**117**	98.5	98.5	ug/L	07.16.15 13.58		1
C9-C18 Aliphatics	ALHYDRC9C18	U	98.5	98.5	ug/L	07.15.15 22.32	U	1
C19-C36 Aliphatics	ALHYDRC19C3	**102**	98.5	98.5	ug/L	07.15.15 22.32		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	31	%	40-140	07.15.15 22.32	**
o-Terphenyl	84-15-1	60	%	40-140	07.16.15 13.58	
2-Fluorobiphenyl	321-60-8	73	%	40-140	07.16.15 13.58	

Certificate of Analytical Results 511162

XENCO Laboratories
Florida Testing Services, LLC

Terraquest Environmental Consultants, P.C., Mebane, NC

Gussman Cleaners

Sample Id: **MW1** Matrix: Ground Water Date Received:07.09.15 09.53
Lab Sample Id: 511162-001 Date Collected: 07.06.15 13.38

Analytical Method: SVOCs by EPA 625 + 10 TICs Prep Method: E625P
Tech: BRO % Moisture:
Analyst: VIC Date Prep: 07.13.15 15.35
Seq Number: 972298

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	9.85	1.41	ug/L	07.14.15 15.24	U	1
1,2-Dichlorobenzene	95-50-1	U	9.85	1.80	ug/L	07.14.15 15.24	U	1
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	U	9.85	4.69	ug/L	07.14.15 15.24	U	1
1,3-Dichlorobenzene	541-73-1	U	9.85	2.08	ug/L	07.14.15 15.24	UL	1
1,3-Dinitrobenzene	99-65-0	U	49.3	19.8	ug/L	07.14.15 15.24	U	1
1,4-Dichlorobenzene	106-46-7	U	9.85	1.59	ug/L	07.14.15 15.24	U	1
1-Methylnaphthalene	90-12-0	**2.95**	9.85	1.38	ug/L	07.14.15 15.24	J	1
2,4,6-Trichlorophenol	88-06-2	U	9.85	1.62	ug/L	07.14.15 15.24	U	1
2,4-Dichlorophenol	120-83-2	U	9.85	1.75	ug/L	07.14.15 15.24	U	1
2,4-Dimethylphenol	105-67-9	U	9.85	1.61	ug/L	07.14.15 15.24	U	1
2,4-Dinitrophenol	51-28-5	U	19.7	7.00	ug/L	07.14.15 15.24	U	1
2-Chloronaphthalene	91-58-7	U	9.85	1.27	ug/L	07.14.15 15.24	U	1
2-Chlorophenol	95-57-8	U	9.85	1.80	ug/L	07.14.15 15.24	U	1
2-Methylnaphthalene	91-57-6	U	9.85	1.17	ug/L	07.14.15 15.24	U	1
2-Methylphenol	95-48-7	U	9.85	1.97	ug/L	07.14.15 15.24	U	1
2-Nitrophenol	88-75-5	U	9.85	1.92	ug/L	07.14.15 15.24	U	1
3&4-Methylphenol	15831-10-4	U	19.7	2.51	ug/L	07.14.15 15.24	U	1
3,3-Dichlorobenzidine	91-94-1	U	9.85	3.82	ug/L	07.14.15 15.24	U	1
4,6-Dinitro-2-methyl phenol	534-52-1	U	9.85	1.38	ug/L	07.14.15 15.24	U	1
4-Bromophenyl phenyl ether	101-55-3	U	9.85	2.09	ug/L	07.14.15 15.24	U	1
4-Chloro-3-methylphenol	59-50-7	U	9.85	2.15	ug/L	07.14.15 15.24	U	1
4-Chloroaniline	106-47-8	U	9.85	3.04	ug/L	07.14.15 15.24	ULF	1
4-Chlorophenyl phenyl ether	7005-72-3	U	9.85	1.33	ug/L	07.14.15 15.24	U	1
4-Nitrophenol	100-02-7	U	9.85	2.37	ug/L	07.14.15 15.24	U	1
Acenaphthene	83-32-9	U	9.85	1.41	ug/L	07.14.15 15.24	U	1
Acenaphthylene	208-96-8	U	9.85	1.46	ug/L	07.14.15 15.24	U	1
Anthracene	120-12-7	U	9.85	1.98	ug/L	07.14.15 15.24	U	1
Benzo(a)anthracene	56-55-3	U	9.85	1.87	ug/L	07.14.15 15.24	U	1
Benzo(a)pyrene	50-32-8	U	9.85	1.77	ug/L	07.14.15 15.24	U	1
Benzo(b)fluoranthene	205-99-2	U	9.85	1.94	ug/L	07.14.15 15.24	U	1
Benzo(g,h,i)perylene	191-24-2	U	9.85	1.94	ug/L	07.14.15 15.24	U	1
Benzo(k)fluoranthene	207-08-9	U	9.85	2.67	ug/L	07.14.15 15.24	U	1
Benzoic Acid	65-85-0	U	19.7	2.18	ug/L	07.14.15 15.24	U	1
Benzyl Alcohol	100-51-6	**1.57**	9.85	1.21	ug/L	07.14.15 15.24	J	1
bis(2-chloroethoxy) methane	111-91-1	U	9.85	1.23	ug/L	07.14.15 15.24	U	1
bis(2-chloroethyl) ether	111-44-4	U	9.85	1.75	ug/L	07.14.15 15.24	U	1
bis(2-chloroisopropyl) ether	39638-32-9	U	9.85	1.22	ug/L	07.14.15 15.24	U	1
bis(2-ethylhexyl) phthalate	117-81-7	**24.9**	9.85	1.18	ug/L	07.14.15 15.24		1
Butyl benzyl phthalate	85-68-7	U	9.85	1.79	ug/L	07.14.15 15.24	U	1

Certificate of Analytical Results 511162

Terraquest Environmental Consultants, P.C., Mebane, NC

Gussman Cleaners

Sample Id: **MW1** Matrix: Ground Water Date Received:07.09.15 09.53
Lab Sample Id: 511162-001 Date Collected: 07.06.15 13.38

Analytical Method: SVOCs by EPA 625 + 10 TICs Prep Method: E625P
Tech: BRO % Moisture:
Analyst: VIC Date Prep: 07.13.15 15.35
Seq Number: 972298

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Chrysene	218-01-9	U	9.85	2.06	ug/L	07.14.15 15.24	U	1
Dibenz(a,h)Anthracene	53-70-3	U	9.85	1.80	ug/L	07.14.15 15.24	U	1
Dibenzofuran	132-64-9	U	9.85	1.62	ug/L	07.14.15 15.24	U	1
Diethyl Phthalate	84-66-2	U	9.85	1.87	ug/L	07.14.15 15.24	U	1
Dimethyl Phthalate	131-11-3	U	9.85	1.94	ug/L	07.14.15 15.24	U	1
di-n-Butyl Phthalate	84-74-2	U	9.85	2.05	ug/L	07.14.15 15.24	U	1
di-n-Octyl Phthalate	117-84-0	U	9.85	1.36	ug/L	07.14.15 15.24	U	1
Fluoranthene	206-44-0	U	9.85	1.78	ug/L	07.14.15 15.24	U	1
Fluorene	86-73-7	U	9.85	1.54	ug/L	07.14.15 15.24	U	1
Hexachlorobenzene	118-74-1	U	9.85	2.18	ug/L	07.14.15 15.24	U	1
Hexachlorobutadiene	87-68-3	U	9.85	1.75	ug/L	07.14.15 15.24	U	1
Hexachlorocyclopentadiene	77-47-4	U	9.85	1.84	ug/L	07.14.15 15.24	U	1
Hexachloroethane	67-72-1	U	9.85	2.34	ug/L	07.14.15 15.24	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	9.85	1.84	ug/L	07.14.15 15.24	U	1
Isophorone	78-59-1	U	9.85	1.39	ug/L	07.14.15 15.24	U	1
Naphthalene	91-20-3	U	9.85	1.50	ug/L	07.14.15 15.24	U	1
Nitrobenzene	98-95-3	U	9.85	1.47	ug/L	07.14.15 15.24	U	1
n-Nitrosodi-n-Propylamine	621-64-7	U	9.85	1.34	ug/L	07.14.15 15.24	U	1
n-Nitrosodiphenylamine	86-30-6	U	9.85	2.46	ug/L	07.14.15 15.24	U	1
Pentachlorophenol	87-86-5	U	9.85	2.23	ug/L	07.14.15 15.24	UH	1
Phenanthrene	85-01-8	U	9.85	2.01	ug/L	07.14.15 15.24	U	1
Phenol	108-95-2	U	9.85	1.73	ug/L	07.14.15 15.24	U	1
Pyrene	129-00-0	U	9.85	2.36	ug/L	07.14.15 15.24	U	1
1-Docosanol (TIC)	TIC	**26.2**			ug/L	07.14.15 15.24	JN	1
9-Hexacosene (TIC)	TIC	**12.2**			ug/L	07.14.15 15.24	JN	1
Benzene, 1,2,3,5-tetramethyl- (TIC)	TIC	**16.9**			ug/L	07.14.15 15.24	JN	1
Benzene, propyl- (TIC)	TIC	**9.71**			ug/L	07.14.15 15.24	JN	1
Hexadecanoic acid, methyl ester (TIC)	TIC	**7.52**			ug/L	07.14.15 15.24	JN	1
unknown (TIC)	TIC	**10.5**			ug/L	07.14.15 15.24	JN	1
unknown (TIC)	TIC	**7.69**			ug/L	07.14.15 15.24	JN	1
unknown (TIC)	TIC	**9.00**			ug/L	07.14.15 15.24	JN	1
unknown (TIC)	TIC	**8.59**			ug/L	07.14.15 15.24	JN	1
unknown hydrocarbon (TIC)	TIC	**7.34**			ug/L	07.14.15 15.24	JN	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorobiphenyl	321-60-8	65	%	44-117	07.14.15 15.24	
2-Fluorophenol	367-12-4	21	%	30-100	07.14.15 15.24	**
2,4,6-Tribromophenol	118-79-6	48	%	48-127	07.14.15 15.24	
Nitrobenzene-d5	4165-60-0	69	%	46-111	07.14.15 15.24	
Phenol-d5	4165-62-2	54	%	50-200	07.14.15 15.24	

Certificate of Analytical Results 511162

Terraquest Environmental Consultants, P.C., Mebane, NC

Gussman Cleaners

Sample Id: **MW1** Matrix: Ground Water Date Received:07.09.15 09.53

Lab Sample Id: 511162-001 Date Collected: 07.06.15 13.38

Analytical Method: SVOCs by EPA 625 + 10 TICs Prep Method: E625P

Tech: BRO % Moisture:

Analyst: VIC Date Prep: 07.13.15 15.35

Seq Number: 972298

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
Terphenyl-D14	1718-51-0	84	%	46-126	07.14.15 15.24	

Analytical Method: MADEP VPH Prep Method: SW5030B

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 07.10.15 01.59

Seq Number: 972113

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8	U	0.0150	0.0150	ug/L	07.10.15 07.12	U	1
C9-C10 Aromatics	HYDC9C10	**185**	0.00500	0.00500	ug/L	07.10.15 07.12		1
C9-C12 Aliphatics	ALHYDRC9C12	**260**	0.0150	0.0150	ug/L	07.10.15 07.12		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	111	%	70-130	07.10.15 07.12	
2,5-Dibromotoluene (PID)	615-59-8	95	%	70-130	07.10.15 07.12	

Certificate of Analytical Results 511162

XENCO Laboratories
Florida Testing Services, LLC

Terraquest Environmental Consultants, P.C., Mebane, NC

Gussman Cleaners

Sample Id: **MW1** Matrix: Ground Water Date Received:07.09.15 09.53
Lab Sample Id: 511162-001 Date Collected: 07.06.15 13.38

Analytical Method: VOCs by GC/MS by SM6200B Prep Method: SM6200B_PREP
Tech: ZHO % Moisture:
Analyst: ZHO Date Prep: 07.10.15 06.44
Seq Number: 972014

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.180	ug/L	07.10.15 15.52	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.0760	ug/L	07.10.15 15.52	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.0700	ug/L	07.10.15 15.52	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.113	ug/L	07.10.15 15.52	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.121	ug/L	07.10.15 15.52	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.104	ug/L	07.10.15 15.52	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.0600	ug/L	07.10.15 15.52	U	1
1,2,3-Trichlorobenzene	87-61-6	U	2.00	0.118	ug/L	07.10.15 15.52	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.138	ug/L	07.10.15 15.52	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.0690	ug/L	07.10.15 15.52	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.103	ug/L	07.10.15 15.52	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	1.00	0.180	ug/L	07.10.15 15.52	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.0940	ug/L	07.10.15 15.52	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.0900	ug/L	07.10.15 15.52	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.122	ug/L	07.10.15 15.52	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.0870	ug/L	07.10.15 15.52	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.0980	ug/L	07.10.15 15.52	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.133	ug/L	07.10.15 15.52	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.0670	ug/L	07.10.15 15.52	U	1
2,2-Dichloropropane	594-20-7	U	0.200	0.0970	ug/L	07.10.15 15.52	U	1
2-Butanone (MEK)	78-93-3	U	20.0	0.378	ug/L	07.10.15 15.52	U	1
2-Chlorotoluene	95-49-8	U	0.200	0.0880	ug/L	07.10.15 15.52	U	1
2-Hexanone	591-78-6	U	0.400	0.352	ug/L	07.10.15 15.52	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.0900	ug/L	07.10.15 15.52	U	1
4-Isopropyltoluene	99-87-6	**5.59**	0.500	0.0890	ug/L	07.10.15 15.52		1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.400	0.253	ug/L	07.10.15 15.52	U	1
Acetone	67-64-1	U	2.00	0.352	ug/L	07.10.15 15.52	U	1
Benzene	71-43-2	U	0.500	0.119	ug/L	07.10.15 15.52	U	1
Bromobenzene	108-86-1	U	0.500	0.132	ug/L	07.10.15 15.52	U	1
Bromochloromethane	74-97-5	U	0.500	0.112	ug/L	07.10.15 15.52	U	1
Bromodichloromethane	75-27-4	U	0.500	0.124	ug/L	07.10.15 15.52	U	1
Bromoform	75-25-2	U	2.00	0.159	ug/L	07.10.15 15.52	U	1
Bromomethane	74-83-9	U	1.00	0.0970	ug/L	07.10.15 15.52	U	1
Carbon tetrachloride	56-23-5	U	0.500	0.0990	ug/L	07.10.15 15.52	U	1
Chlorobenzene	108-90-7	U	0.500	0.105	ug/L	07.10.15 15.52	U	1
Chlorodibromomethane	124-48-1	U	0.500	0.177	ug/L	07.10.15 15.52	U	1
Chloroethane	75-00-3	U	0.500	0.0420	ug/L	07.10.15 15.52	U	1
Chloroform	67-66-3	U	0.500	0.172	ug/L	07.10.15 15.52	U	1
Chloromethane	74-87-3	U	0.500	0.0850	ug/L	07.10.15 15.52	U	1

Certificate of Analytical Results 511162

Terraquest Environmental Consultants, P.C., Mebane, NC

Gussman Cleaners

Sample Id: **MW1** Matrix: Ground Water Date Received:07.09.15 09.53

Lab Sample Id: 511162-001 Date Collected: 07.06.15 13.38

Analytical Method: VOCs by GC/MS by SM6200B Prep Method: SM6200B_PREP

Tech: ZHO % Moisture:

Analyst: ZHO Date Prep: 07.10.15 06.44

Seq Number: 972014

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,2-Dichloroethene	156-59-2	U	0.500	0.114	ug/L	07.10.15 15.52	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	07.10.15 15.52	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.0670	ug/L	07.10.15 15.52	UHF	1
Ethanol	64-17-5	U	50.0	3.00	ug/L	07.10.15 15.52	U	1
Ethylbenzene	100-41-4	U	0.500	0.0920	ug/L	07.10.15 15.52	U	1
Isopropyl ether	108-20-3	U	0.500	0.0920	ug/L	07.10.15 15.52	U	1
Isopropylbenzene	98-82-8	U	0.500	0.0980	ug/L	07.10.15 15.52	U	1
Methyl tert-butyl ether (MTBE)	1634-04-4	U	0.500	0.169	ug/L	07.10.15 15.52	U	1
Methylene Chloride	75-09-2	U	0.500	0.190	ug/L	07.10.15 15.52	U	1
Naphthalene	91-20-3	U	2.00	0.0940	ug/L	07.10.15 15.52	U	1
n-Butylbenzene	104-51-8	**3.16**	2.00	0.0600	ug/L	07.10.15 15.52		1
n-Propylbenzene	103-65-1	**32.0**	1.00	0.0650	ug/L	07.10.15 15.52		1
sec-Butylbenzene	135-98-8	**19.4**	0.500	0.0920	ug/L	07.10.15 15.52		1
Styrene	100-42-5	U	0.500	0.0740	ug/L	07.10.15 15.52	U	1
tert-Butylbenzene	98-06-6	**15.7**	0.500	0.0890	ug/L	07.10.15 15.52		1
Tetrachloroethene (PCE)	127-18-4	U	0.500	0.0540	ug/L	07.10.15 15.52	U	1
Toluene	108-88-3	U	0.500	0.0570	ug/L	07.10.15 15.52	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.500	0.188	ug/L	07.10.15 15.52	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	07.10.15 15.52	U	1
Trichloroethene	79-01-6	U	0.500	0.139	ug/L	07.10.15 15.52	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.0540	ug/L	07.10.15 15.52	U	1
Vinyl Acetate	108-05-4	U	1.00	0.720	ug/L	07.10.15 15.52	U	1
Vinyl Chloride	75-01-4	U	0.500	0.0810	ug/L	07.10.15 15.52	U	1
m,p-Xylenes	179601-23-1	U	1.00	0.176	ug/L	07.10.15 15.52	U	1
o-Xylene	95-47-6	U	0.500	0.122	ug/L	07.10.15 15.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	116	%	65-126	07.10.15 15.52	
4-Bromofluorobenzene	460-00-4	107	%	86-111	07.10.15 15.52	
Toluene-D8	2037-26-5	92	%	83-116	07.10.15 15.52	

QC Summary 511162

Florida Testing Services, LLC

Terraquest Environmental Consultants, P.C.

Gussman Cleaners

Analytical Method: **MADEP EPH** Prep Method: SW3510C

Seq Number: 972426 Matrix: Water Date Prep: 07.15.15

MB Sample Id: 695254-1-BLK LCS Sample Id: 695254-1-BKS LCSD Sample Id: 695254-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C11-C22 Aromatics	<100	1700	1040	61	1070	63	40-140	3	40	ug/L	07.16.15 12:47	
C9-C18 Aliphatics	<100	600	358	60	252	42	40-140	35	40	ug/L	07.15.15 21:28	
C19-C36 Aliphatics	<100	800	788	99	546	68	40-140	36	40	ug/L	07.15.15 21:28	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctadecane	81		78		74		40-140	%	07.15.15 21:28
o-Terphenyl	74		88		111		40-140	%	07.16.15 12:47
2-Fluorobiphenyl	66		63		65		40-140	%	07.16.15 12:47

QC Summary 511162

Terraquest Environmental Consultants, P.C.

Gussman Cleaners

Analytical Method: **SVOCs by EPA 625 + 10 TICs** Prep Method: E625P
Seq Number: 972298 Matrix: Water Date Prep: 07.13.15
MB Sample Id: 695090-1-BLK LCS Sample Id: 695090-1-BKS LCSD Sample Id: 695090-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<1.43	50.0	34.1	68	31.3	63	44-142	9	30	ug/L	07.14.15 14:27	
1,2-Dichlorobenzene	<1.83	50.0	32.8	66	29.6	59	32-129	10	30	ug/L	07.14.15 14:27	
1,2-Diphenylhydrazine (as Azobenzene)	<4.76	50.0	37.6	75	40.4	81	55-115	7	30	ug/L	07.14.15 14:27	
1,3-Dichlorobenzene	<2.11	50.0	32.2	64	29.7	59	65-135	8	30	ug/L	07.14.15 14:27	L
1,3-Dinitrobenzene	<20.1	50.0	47.9	96	51.1	102	45-110	6	30	ug/L	07.14.15 14:27	
1,4-Dichlorobenzene	<1.61	50.0	31.9	64	29.6	59	20-124	7	30	ug/L	07.14.15 14:27	
1-Methylnaphthalene	<1.40	50.0	35.1	70	33.6	67	25-175	4	30	ug/L	07.14.15 14:27	
2,4,6-Trichlorophenol	<1.64	50.0	39.4	79	41.0	82	37-144	4	30	ug/L	07.14.15 14:27	
2,4-Dichlorophenol	<1.78	50.0	37.0	74	34.9	70	39-135	6	30	ug/L	07.14.15 14:27	
2,4-Dimethylphenol	<1.63	50.0	36.4	73	33.3	67	32-119	9	30	ug/L	07.14.15 14:27	
2,4-Dinitrophenol	<7.11	50.0	49.6	99	53.3	107	0-191	7	30	ug/L	07.14.15 14:27	
2-Chloronaphthalene	<1.29	50.0	35.0	70	34.8	70	60-118	1	30	ug/L	07.14.15 14:27	
2-Chlorophenol	<1.83	50.0	34.0	68	30.7	61	36-120	10	30	ug/L	07.14.15 14:27	
2-Methylnaphthalene	<1.19	50.0	36.2	72	33.8	68	45-105	7	30	ug/L	07.14.15 14:27	
2-Methylphenol	<2.00	50.0	35.5	71	32.5	65	40-110	9	30	ug/L	07.14.15 14:27	
2-Nitrophenol	<1.95	50.0	40.2	80	36.6	73	29-182	9	30	ug/L	07.14.15 14:27	
3&4-Methylphenol	<2.55	50.0	37.0	74	33.4	67	30-110	10	30	ug/L	07.14.15 14:27	
4,6-Dinitro-2-methyl phenol	<1.40	50.0	49.4	99	52.4	105	10-181	6	30	ug/L	07.14.15 14:27	
4-Bromophenyl phenyl ether	<2.12	50.0	39.0	78	41.1	82	53-127	5	30	ug/L	07.14.15 14:27	
4-Chloro-3-methylphenol	<2.18	50.0	40.3	81	41.0	82	22-147	2	30	ug/L	07.14.15 14:27	
4-Chloroaniline	<3.09	50.0	3.75	8	43.1	86	15-110	168	30	ug/L	07.14.15 14:27	LF
4-Chlorophenyl phenyl ether	<1.35	50.0	37.3	75	39.6	79	25-158	6	30	ug/L	07.14.15 14:27	
4-Nitrophenol	<2.41	50.0	41.0	82	44.9	90	0-132	9	30	ug/L	07.14.15 14:27	
Acenaphthene	<1.43	50.0	35.6	71	36.9	74	47-145	4	30	ug/L	07.14.15 14:27	
Acenaphthylene	<1.48	50.0	40.0	80	40.6	81	33-145	1	30	ug/L	07.14.15 14:27	
Anthracene	<2.01	50.0	41.0	82	43.3	87	27-133	5	30	ug/L	07.14.15 14:27	
Benzo(a)anthracene	<1.90	50.0	41.9	84	44.3	89	33-143	6	30	ug/L	07.14.15 14:27	
Benzo(a)pyrene	<1.80	50.0	45.5	91	48.5	97	17-163	6	30	ug/L	07.14.15 14:27	
Benzo(b)fluoranthene	<1.97	50.0	48.0	96	48.3	97	24-159	1	30	ug/L	07.14.15 14:27	
Benzo(g,h,i)perylene	<1.97	50.0	39.5	79	42.5	85	0-219	7	30	ug/L	07.14.15 14:27	
Benzo(k)fluoranthene	<2.71	50.0	37.2	74	44.5	89	11-162	18	30	ug/L	07.14.15 14:27	
Benzyl Alcohol	<1.23	50.0	37.9	76	34.9	70	30-110	8	30	ug/L	07.14.15 14:27	
bis(2-chloroethoxy) methane	<1.25	50.0	34.9	70	32.5	65	33-184	7	30	ug/L	07.14.15 14:27	
bis(2-chloroethyl) ether	<1.78	50.0	33.8	68	30.2	60	12-158	11	30	ug/L	07.14.15 14:27	
bis(2-chloroisopropyl) ether	<1.24	50.0	36.7	73	33.1	66	36-166	10	30	ug/L	07.14.15 14:27	
bis(2-ethylhexyl) phthalate	<1.20	50.0	48.1	96	51.1	102	8-158	6	30	ug/L	07.14.15 14:27	
Butyl benzyl phthalate	<1.82	50.0	47.9	96	50.2	100	0-152	5	30	ug/L	07.14.15 14:27	
Chrysene	<2.09	50.0	36.9	74	39.3	79	17-168	6	30	ug/L	07.14.15 14:27	
Dibenz(a,h)Anthracene	<1.83	50.0	40.3	81	43.4	87	0-227	7	30	ug/L	07.14.15 14:27	
Dibenzofuran	<1.64	50.0	36.1	72	38.2	76	55-105	6	30	ug/L	07.14.15 14:27	
Diethyl Phthalate	<1.90	50.0	41.2	82	43.8	88	0-114	6	30	ug/L	07.14.15 14:27	
Dimethyl Phthalate	<1.97	50.0	39.5	79	42.0	84	0-112	6	30	ug/L	07.14.15 14:27	
di-n-Butyl Phthalate	<2.08	50.0	43.8	88	46.1	92	1-118	5	30	ug/L	07.14.15 14:27	
di-n-Octyl Phthalate	<1.38	50.0	49.7	99	53.0	106	0-107	6	30	ug/L	07.14.15 14:27	
Fluoranthene	<1.81	50.0	41.2	82	43.5	87	26-137	5	30	ug/L	07.14.15 14:27	
Fluorene	<1.56	50.0	37.1	74	38.8	78	59-121	4	30	ug/L	07.14.15 14:27	
Hexachlorobenzene	<2.21	50.0	39.9	80	43.2	86	0-152	8	30	ug/L	07.14.15 14:27	
Hexachlorobutadiene	<1.78	50.0	34.1	68	32.0	64	24-116	6	30	ug/L	07.14.15 14:27	
Hexachlorocyclopentadiene	<1.87	50.0	49.4	99	46.3	93	41-125	6	30	ug/L	07.14.15 14:27	
Hexachloroethane	<2.38	50.0	32.8	66	30.0	60	40-113	9	30	ug/L	07.14.15 14:27	
Indeno(1,2,3-c,d)Pyrene	<1.87	50.0	40.1	80	42.9	86	0-171	7	30	ug/L	07.14.15 14:27	
Isophorone	<1.41	50.0	48.6	97	47.6	95	21-196	2	30	ug/L	07.14.15 14:27	

QC Summary 511162

Florida Testing Services, LLC

Terraquest Environmental Consultants, P.C.

Gussman Cleaners

Analytical Method: **SVOCs by EPA 625 + 10 TICs** Prep Method: E625P
Seq Number: 972298 Matrix: Water Date Prep: 07.13.15
MB Sample Id: 695090-1-BLK LCS Sample Id: 695090-1-BKS LCSD Sample Id: 695090-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Naphthalene	<1.52	50.0	33.6	67	30.9	62	21-133	8	30	ug/L	07.14.15 14:27	
Nitrobenzene	<1.49	50.0	35.7	71	33.0	66	35-180	8	30	ug/L	07.14.15 14:27	
n-Nitrosodi-n-Propylamine	<1.36	50.0	41.4	83	38.8	78	10-230	6	30	ug/L	07.14.15 14:27	
n-Nitrosodiphenylamine	<2.50	50.0	49.8	100	52.8	106	50-110	6	30	ug/L	07.14.15 14:27	
Pentachlorophenol	<2.26	50.0	38.3	77	41.4	83	14-76	8	30	ug/L	07.14.15 14:27	H
Phenanthrene	<2.04	50.0	37.1	74	39.7	79	54-120	7	30	ug/L	07.14.15 14:27	
Phenol	<1.76	50.0	31.3	63	31.3	63	5-112	0	30	ug/L	07.14.15 14:27	
Pyrene	<2.40	50.0	43.7	87	45.2	90	23-152	3	30	ug/L	07.14.15 14:27	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2-Fluorobiphenyl	69		61		65		39-99	%	07.14.15 14:27
2-Fluorophenol	68		58		56		33-92	%	07.14.15 14:27
2,4,6-Tribromophenol	93		83		94		32-129	%	07.14.15 14:27
Nitrobenzene-d5	80		69		67		37-94	%	07.14.15 14:27
Phenol-d5	68		61		59		50-200	%	07.14.15 14:27
Terphenyl-D14	86		73		79		18-133	%	07.14.15 14:27

Analytical Method: **MADEP VPH** Prep Method: SW5030B
Seq Number: 972113 Matrix: Water Date Prep: 07.10.15
MB Sample Id: 695065-1-BLK LCS Sample Id: 695065-1-BKS LCSD Sample Id: 695065-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C5-C8 Aliphatics	<0.0150	150	145	97	162	108	70-130	11	25	ug/L	07.10.15 10:10	
C9-C10 Aromatics	<0.00500	50.0	51.3	103	49.9	100	70-130	3	25	ug/L	07.10.15 10:10	
C9-C12 Aliphatics	<0.0150	150	150	100	159	106	70-130	6	25	ug/L	07.10.15 10:10	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	89		86		94		70-130	%	07.10.15 10:10
2,5-Dibromotoluene (PID)	93		91		103		70-130	%	07.10.15 10:10

Analytical Method: **MADEP VPH** Prep Method: SW5030B
Seq Number: 972113 Matrix: Ground Water Date Prep: 07.10.15
Parent Sample Id: 511162-001 MS Sample Id: 511162-001 S

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	Limits	Units	Analysis Date	Flag
C5-C8 Aliphatics	<0.0150	150	143	95	70-130	ug/L	07.10.15 07:57	
C9-C10 Aromatics	185	50.0	231	92	70-130	ug/L	07.10.15 07:57	
C9-C12 Aliphatics	260	150	401	94	70-130	ug/L	07.10.15 07:57	

Surrogate	MS %Rec	MS Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	111		70-130	%	07.10.15 07:57
2,5-Dibromotoluene (PID)	97		70-130	%	07.10.15 07:57

QC Summary 511162

XENCO Laboratories
Florida Testing Services, LLC

Terraquest Environmental Consultants, P.C.

Gussman Cleaners

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP
Seq Number: 972014 Matrix: Water Date Prep: 07.10.15
MB Sample Id: 694979-1-BLK LCS Sample Id: 694979-1-BKS LCSD Sample Id: 694979-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1,2-Tetrachloroethane	<0.180	25.0	25.0	100	26.2	105	75-127	5	20	ug/L	07.10.15 07:37	
1,1,1-Trichloroethane	<0.0760	25.0	24.2	97	25.4	102	62-128	5	20	ug/L	07.10.15 07:37	
1,1,2,2-Tetrachloroethane	<0.0700	25.0	27.2	109	27.7	111	77-129	2	20	ug/L	07.10.15 07:37	
1,1,2-Trichloroethane	<0.113	25.0	25.1	100	26.3	105	86-120	5	20	ug/L	07.10.15 07:37	
1,1-Dichloroethane	<0.121	25.0	24.3	97	24.8	99	82-114	2	20	ug/L	07.10.15 07:37	
1,1-Dichloroethene	<0.104	25.0	22.5	90	23.8	95	73-123	6	20	ug/L	07.10.15 07:37	
1,1-Dichloropropene	<0.0600	25.0	24.4	98	25.9	104	83-125	6	20	ug/L	07.10.15 07:37	
1,2,3-Trichlorobenzene	<0.118	25.0	26.8	107	26.3	105	57-127	2	20	ug/L	07.10.15 07:37	
1,2,3-Trichloropropane	<0.138	25.0	23.0	92	24.0	96	79-118	4	20	ug/L	07.10.15 07:37	
1,2,4-Trichlorobenzene	<0.0690	25.0	27.1	108	26.8	107	59-125	1	20	ug/L	07.10.15 07:37	
1,2,4-Trimethylbenzene	<0.103	25.0	25.8	103	26.3	105	84-118	2	20	ug/L	07.10.15 07:37	
1,2-Dibromoethane (EDB)	<0.180	25.0	25.5	102	26.1	104	83-126	2	20	ug/L	07.10.15 07:37	
1,2-Dichlorobenzene	<0.0940	25.0	24.7	99	25.4	102	83-128	3	20	ug/L	07.10.15 07:37	
1,2-Dichloroethane	<0.0900	25.0	26.3	105	26.8	107	56-133	2	20	ug/L	07.10.15 07:37	
1,2-Dichloropropane	<0.122	25.0	25.5	102	26.3	105	85-121	3	20	ug/L	07.10.15 07:37	
1,3,5-Trimethylbenzene	<0.0870	25.0	25.7	103	26.1	104	86-118	2	20	ug/L	07.10.15 07:37	
1,3-Dichlorobenzene	<0.0980	25.0	24.6	98	25.5	102	90-126	4	20	ug/L	07.10.15 07:37	
1,3-Dichloropropane	<0.133	25.0	26.0	104	27.0	108	85-121	4	20	ug/L	07.10.15 07:37	
1,4-Dichlorobenzene	<0.0670	25.0	24.4	98	25.0	100	88-121	2	20	ug/L	07.10.15 07:37	
2,2-Dichloropropane	<0.0970	25.0	24.9	100	25.3	101	76-126	2	20	ug/L	07.10.15 07:37	
2-Butanone (MEK)	<0.378	50.0	49.2	98	49.1	98	66-133	0	20	ug/L	07.10.15 07:37	
2-Chlorotoluene	<0.0880	25.0	25.7	103	26.4	106	80-128	3	20	ug/L	07.10.15 07:37	
2-Hexanone	<0.352	50.0	59.3	119	58.7	117	70-130	1	20	ug/L	07.10.15 07:37	
4-Chlorotoluene	<0.0900	25.0	25.8	103	26.7	107	82-130	3	20	ug/L	07.10.15 07:37	
4-Isopropyltoluene	<0.0890	25.0	25.8	103	26.0	104	80-128	1	20	ug/L	07.10.15 07:37	
4-Methyl-2-pentanone (MIBK)	<0.253	50.0	54.2	108	51.7	103	74-129	5	20	ug/L	07.10.15 07:37	
Acetone	<0.352	50.0	52.1	104	49.6	99	51-143	5	20	ug/L	07.10.15 07:37	
Benzene	<0.119	25.0	23.5	94	24.4	98	81-123	4	20	ug/L	07.10.15 07:37	
Bromobenzene	<0.132	25.0	26.4	106	27.0	108	84-114	2	20	ug/L	07.10.15 07:37	
Bromochloromethane	<0.112	25.0	23.2	93	22.8	91	89-127	2	20	ug/L	07.10.15 07:37	
Bromodichloromethane	<0.124	25.0	27.2	109	27.8	111	79-129	2	20	ug/L	07.10.15 07:37	
Bromoform	<0.159	25.0	26.6	106	27.5	110	73-140	3	20	ug/L	07.10.15 07:37	
Bromomethane	<0.0970	25.0	20.5	82	23.7	95	53-143	14	20	ug/L	07.10.15 07:37	
Carbon tetrachloride	<0.0990	25.0	25.2	101	25.7	103	66-136	2	20	ug/L	07.10.15 07:37	
Chlorobenzene	<0.105	25.0	24.2	97	25.4	102	88-118	5	20	ug/L	07.10.15 07:37	
Chlorodibromomethane	<0.177	25.0	24.1	96	24.8	99	73-139	3	20	ug/L	07.10.15 07:37	
Chloroethane	<0.0420	25.0	22.2	89	24.8	99	70-123	11	20	ug/L	07.10.15 07:37	
Chloroform	<0.172	25.0	23.9	96	24.8	99	72-118	4	20	ug/L	07.10.15 07:37	
Chloromethane	<0.0850	25.0	23.4	94	24.8	99	65-125	6	20	ug/L	07.10.15 07:37	
cis-1,2-Dichloroethene	<0.114	25.0	23.6	94	24.1	96	85-125	2	20	ug/L	07.10.15 07:37	
cis-1,3-Dichloropropene	<0.100	25.0	28.1	112	28.1	112	92-126	0	20	ug/L	07.10.15 07:37	
Dichlorodifluoromethane	<0.0670	25.0	19.6	78	36.9	148	48-143	61	20	ug/L	07.10.15 07:37	HF
Ethanol	<3.00	1000	1030	103	1020	102	61-133	1	20	ug/L	07.10.15 07:37	
Ethylbenzene	<0.0920	25.0	25.0	100	26.2	105	87-123	5	20	ug/L	07.10.15 07:37	
Isopropyl ether	<0.0920	25.0	25.4	102	25.5	102	77-125	0	20	ug/L	07.10.15 07:37	
Isopropylbenzene	<0.0980	25.0	25.6	102	26.5	106	82-115	3	20	ug/L	07.10.15 07:37	
Methyl tert-butyl ether (MTBE)	<0.169	50.0	49.7	99	48.9	98	53-149	2	20	ug/L	07.10.15 07:37	
Methylene Chloride	<0.190	25.0	25.4	102	25.5	102	75-119	0	20	ug/L	07.10.15 07:37	
Naphthalene	<0.0940	25.0	28.0	112	28.3	113	52-116	1	20	ug/L	07.10.15 07:37	
n-Butylbenzene	<0.0600	25.0	26.5	106	26.9	108	83-130	1	20	ug/L	07.10.15 07:37	
n-Propylbenzene	<0.0650	25.0	26.3	105	27.0	108	84-122	3	20	ug/L	07.10.15 07:37	
sec-Butylbenzene	<0.0920	25.0	25.1	100	25.5	102	86-120	2	20	ug/L	07.10.15 07:37	

QC Summary 511162

Florida Testing Services, LLC

Terraquest Environmental Consultants, P.C.

Gussman Cleaners

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Seq Number: 972014 Matrix: Water Date Prep: 07.10.15

MB Sample Id: 694979-1-BLK LCS Sample Id: 694979-1-BKS LCSD Sample Id: 694979-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Styrene	<0.0740	25.0	24.6	98	25.5	102	85-123	4	20	ug/L	07.10.15 07:37	
tert-Butylbenzene	<0.0890	25.0	25.4	102	25.8	103	79-126	2	20	ug/L	07.10.15 07:37	
Tetrachloroethene (PCE)	<0.0540	25.0	22.8	91	24.5	98	64-131	7	20	ug/L	07.10.15 07:37	
Toluene	<0.0570	25.0	24.0	96	25.7	103	89-116	7	20	ug/L	07.10.15 07:37	
trans-1,2-Dichloroethene	<0.188	25.0	22.8	91	23.8	95	78-118	4	20	ug/L	07.10.15 07:37	
trans-1,3-Dichloropropene	<0.110	25.0	29.0	116	29.8	119	86-127	3	20	ug/L	07.10.15 07:37	
Trichloroethene	<0.139	25.0	23.8	95	24.7	99	82-119	4	20	ug/L	07.10.15 07:37	
Trichlorofluoromethane	<0.0540	25.0	23.3	93	25.9	104	46-144	11	20	ug/L	07.10.15 07:37	
Vinyl Acetate	<0.720	25.0	27.3	109	27.4	110	58-141	0	20	ug/L	07.10.15 07:37	
Vinyl Chloride	<0.0810	25.0	23.2	93	24.7	99	76-122	6	20	ug/L	07.10.15 07:37	
m,p-Xylenes	<0.176	50.0	48.9	98	49.5	99	90-125	1	20	ug/L	07.10.15 07:37	
o-Xylene	<0.122	25.0	24.2	97	25.0	100	86-119	3	20	ug/L	07.10.15 07:37	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	117		109		110		65-126	%	07.10.15 07:37
4-Bromofluorobenzene	111		107		106		86-111	%	07.10.15 07:37
Toluene-D8	107		110		109		83-116	%	07.10.15 07:37

Blank Summary 511162

Terraquest Environmental Consultants, P.C., Mebane, NC

Gussman Cleaners

Sample Id: **694979-1-BLK** Matrix: WATER

Lab Sample Id: **694979-1-BLK**

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Tech: ZHO

Analyst: ZHO Date Prep: 07.10.15 06:44

Seq Number: 972014

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1,2-Tetrachloroethane	630-20-6	U	1.00	0.180	ug/L	07.10.15 10:32	U	1
1,1,1-Trichloroethane	71-55-6	U	0.500	0.0760	ug/L	07.10.15 10:32	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.0700	ug/L	07.10.15 10:32	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.113	ug/L	07.10.15 10:32	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.121	ug/L	07.10.15 10:32	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.104	ug/L	07.10.15 10:32	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.0600	ug/L	07.10.15 10:32	U	1
1,2,3-Trichlorobenzene	87-61-6	U	2.00	0.118	ug/L	07.10.15 10:32	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.138	ug/L	07.10.15 10:32	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.0690	ug/L	07.10.15 10:32	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.103	ug/L	07.10.15 10:32	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	1.00	0.180	ug/L	07.10.15 10:32	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.0940	ug/L	07.10.15 10:32	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.0900	ug/L	07.10.15 10:32	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.122	ug/L	07.10.15 10:32	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.0870	ug/L	07.10.15 10:32	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.0980	ug/L	07.10.15 10:32	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.133	ug/L	07.10.15 10:32	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.0670	ug/L	07.10.15 10:32	U	1
2,2-Dichloropropane	594-20-7	U	0.200	0.0970	ug/L	07.10.15 10:32	U	1
2-Butanone (MEK)	78-93-3	U	20.0	0.378	ug/L	07.10.15 10:32	U	1
2-Chlorotoluene	95-49-8	U	0.200	0.0880	ug/L	07.10.15 10:32	U	1
2-Hexanone	591-78-6	U	0.400	0.352	ug/L	07.10.15 10:32	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.0900	ug/L	07.10.15 10:32	U	1
4-Isopropyltoluene	99-87-6	U	0.500	0.0890	ug/L	07.10.15 10:32	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.400	0.253	ug/L	07.10.15 10:32	U	1
Acetone	67-64-1	U	2.00	0.352	ug/L	07.10.15 10:32	U	1
Benzene	71-43-2	U	0.500	0.119	ug/L	07.10.15 10:32	U	1
Bromobenzene	108-86-1	U	0.500	0.132	ug/L	07.10.15 10:32	U	1
Bromochloromethane	74-97-5	U	0.500	0.112	ug/L	07.10.15 10:32	U	1
Bromodichloromethane	75-27-4	U	0.500	0.124	ug/L	07.10.15 10:32	U	1
Bromoform	75-25-2	U	2.00	0.159	ug/L	07.10.15 10:32	U	1
Bromomethane	74-83-9	U	1.00	0.0970	ug/L	07.10.15 10:32	U	1
Carbon tetrachloride	56-23-5	U	0.500	0.0990	ug/L	07.10.15 10:32	U	1
Chlorobenzene	108-90-7	U	0.500	0.105	ug/L	07.10.15 10:32	U	1
Chlorodibromomethane	124-48-1	U	0.500	0.177	ug/L	07.10.15 10:32	U	1
Chloroethane	75-00-3	U	0.500	0.0420	ug/L	07.10.15 10:32	U	1
Chloroform	67-66-3	U	0.500	0.172	ug/L	07.10.15 10:32	U	1
Chloromethane	74-87-3	U	0.500	0.0850	ug/L	07.10.15 10:32	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.500	0.114	ug/L	07.10.15 10:32	U	1

Blank Summary 511162

Terraquest Environmental Consultants, P.C., Mebane, NC

Gussman Cleaners

Sample Id: **694979-1-BLK** Matrix: WATER

Lab Sample Id: **694979-1-BLK**

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Tech: ZHO

Analyst: ZHO Date Prep: 07.10.15 06:44

Seq Number: 972014

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	07.10.15 10:32	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.0670	ug/L	07.10.15 10:32	U	1
Ethanol	64-17-5	U	50.0	3.00	ug/L	07.10.15 10:32	U	1
Ethylbenzene	100-41-4	U	0.500	0.0920	ug/L	07.10.15 10:32	U	1
Isopropyl ether	108-20-3	U	0.500	0.0920	ug/L	07.10.15 10:32	U	1
Isopropylbenzene	98-82-8	U	0.500	0.0980	ug/L	07.10.15 10:32	U	1
Methyl tert-butyl ether (MTBE)	1634-04-4	U	0.500	0.169	ug/L	07.10.15 10:32	U	1
Methylene Chloride	75-09-2	U	0.500	0.190	ug/L	07.10.15 10:32	U	1
Naphthalene	91-20-3	U	2.00	0.0940	ug/L	07.10.15 10:32	U	1
n-Butylbenzene	104-51-8	U	2.00	0.0600	ug/L	07.10.15 10:32	U	1
n-Propylbenzene	103-65-1	U	1.00	0.0650	ug/L	07.10.15 10:32	U	1
sec-Butylbenzene	135-98-8	U	0.500	0.0920	ug/L	07.10.15 10:32	U	1
Styrene	100-42-5	U	0.500	0.0740	ug/L	07.10.15 10:32	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.0890	ug/L	07.10.15 10:32	U	1
Tetrachloroethene (PCE)	127-18-4	U	0.500	0.0540	ug/L	07.10.15 10:32	U	1
Toluene	108-88-3	U	0.500	0.0570	ug/L	07.10.15 10:32	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.500	0.188	ug/L	07.10.15 10:32	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	07.10.15 10:32	U	1
Trichloroethene	79-01-6	U	0.500	0.139	ug/L	07.10.15 10:32	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.0540	ug/L	07.10.15 10:32	U	1
Vinyl Acetate	108-05-4	U	1.00	0.720	ug/L	07.10.15 10:32	U	1
Vinyl Chloride	75-01-4	U	0.500	0.0810	ug/L	07.10.15 10:32	U	1
m,p-Xylenes	179601-23-1	U	1.00	0.176	ug/L	07.10.15 10:32	U	1
o-Xylene	95-47-6	U	0.500	0.122	ug/L	07.10.15 10:32	U	1

Blank Summary 511162

Terraquest Environmental Consultants, P.C., Mebane, NC

Gussman Cleaners

Sample Id: **695065-1-BLK** Matrix: WATER

Lab Sample Id: **695065-1-BLK**

Analytical Method: **MADEP VPH** Prep Method: SW5030B

Tech: ZHO

Analyst: ZHO Date Prep: 07.10.15 01:59

Seq Number: 972113

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8	U	0.0150	0.0150	ug/L	07.10.15 05:43	U	1
C9-C10 Aromatics	HYDC9C10	U	0.00500	0.00500	ug/L	07.10.15 05:43	U	1
C9-C12 Aliphatics	ALHYDRC9C1	U	0.0150	0.0150	ug/L	07.10.15 05:43	U	1

Blank Summary 511162

Terraquest Environmental Consultants, P.C., Mebane, NC

Gussman Cleaners

Sample Id: **695090-1-BLK** Matrix: WATER

Lab Sample Id: **695090-1-BLK**

Analytical Method: **SVOCs by EPA 625 + 10 TICs** Prep Method: E625P

Tech: BRO

Analyst: VIC Date Prep: 07.13.15 15:35

Seq Number: 972298

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	10.0	1.43	ug/L	07.14.15 13:59	U	1
1,2-Dichlorobenzene	95-50-1	U	10.0	1.83	ug/L	07.14.15 13:59	U	1
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	U	10.0	4.76	ug/L	07.14.15 13:59	U	1
1,3-Dichlorobenzene	541-73-1	U	10.0	2.11	ug/L	07.14.15 13:59	U	1
1,3-Dinitrobenzene	99-65-0	U	50.0	20.1	ug/L	07.14.15 13:59	U	1
1,4-Dichlorobenzene	106-46-7	U	10.0	1.61	ug/L	07.14.15 13:59	U	1
1-Methylnaphthalene +	90-12-0	U	10.0	1.40	ug/L	07.14.15 13:59	U	1
2,4,6-Trichlorophenol	88-06-2	U	10.0	1.64	ug/L	07.14.15 13:59	U	1
2,4-Dichlorophenol	120-83-2	U	10.0	1.78	ug/L	07.14.15 13:59	U	1
2,4-Dimethylphenol	105-67-9	U	10.0	1.63	ug/L	07.14.15 13:59	U	1
2,4-Dinitrophenol	51-28-5	U	20.0	7.11	ug/L	07.14.15 13:59	U	1
2-Chloronaphthalene	91-58-7	U	10.0	1.29	ug/L	07.14.15 13:59	U	1
2-Chlorophenol	95-57-8	U	10.0	1.83	ug/L	07.14.15 13:59	U	1
2-Methylnaphthalene	91-57-6	U	10.0	1.19	ug/L	07.14.15 13:59	U	1
2-Methylphenol	95-48-7	U	10.0	2.00	ug/L	07.14.15 13:59	U	1
2-Nitrophenol	88-75-5	U	10.0	1.95	ug/L	07.14.15 13:59	U	1
3&4-Methylphenol	15831-10-4	U	20.0	2.55	ug/L	07.14.15 13:59	U	1
3,3-Dichlorobenzidine	91-94-1	U	10.0	3.88	ug/L	07.14.15 13:59	U	1
4,6-Dinitro-2-methyl phenol	534-52-1	U	10.0	1.40	ug/L	07.14.15 13:59	U	1
4-Bromophenyl phenyl ether	101-55-3	U	10.0	2.12	ug/L	07.14.15 13:59	U	1
4-Chloro-3-methylphenol	59-50-7	U	10.0	2.18	ug/L	07.14.15 13:59	U	1
4-Chloroaniline	106-47-8	U	10.0	3.09	ug/L	07.14.15 13:59	U	1
4-Chlorophenyl phenyl ether	7005-72-3	U	10.0	1.35	ug/L	07.14.15 13:59	U	1
4-Nitrophenol	100-02-7	U	10.0	2.41	ug/L	07.14.15 13:59	U	1
Acenaphthene	83-32-9	U	10.0	1.43	ug/L	07.14.15 13:59	U	1
Acenaphthylene	208-96-8	U	10.0	1.48	ug/L	07.14.15 13:59	U	1
Anthracene	120-12-7	U	10.0	2.01	ug/L	07.14.15 13:59	U	1
Benzo(a)anthracene	56-55-3	U	10.0	1.90	ug/L	07.14.15 13:59	U	1
Benzo(a)pyrene	50-32-8	U	10.0	1.80	ug/L	07.14.15 13:59	U	1
Benzo(b)fluoranthene	205-99-2	U	10.0	1.97	ug/L	07.14.15 13:59	U	1
Benzo(g,h,i)perylene	191-24-2	U	10.0	1.97	ug/L	07.14.15 13:59	U	1
Benzo(k)fluoranthene	207-08-9	U	10.0	2.71	ug/L	07.14.15 13:59	U	1
Benzoic Acid	65-85-0	U	20.0	2.21	ug/L	07.14.15 13:59	U	1
Benzyl Alcohol	100-51-6	U	10.0	1.23	ug/L	07.14.15 13:59	U	1
bis(2-chloroethoxy) methane	111-91-1	U	10.0	1.25	ug/L	07.14.15 13:59	U	1
bis(2-chloroethyl) ether	111-44-4	U	10.0	1.78	ug/L	07.14.15 13:59	U	1
bis(2-chloroisopropyl) ether	39638-32-9	U	10.0	1.24	ug/L	07.14.15 13:59	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	10.0	1.20	ug/L	07.14.15 13:59	U	1
Butyl benzyl phthalate	85-68-7	U	10.0	1.82	ug/L	07.14.15 13:59	U	1
Chrysene	218-01-9	U	10.0	2.09	ug/L	07.14.15 13:59	U	1

Blank Summary 511162

Terraquest Environmental Consultants, P.C., Mebane, NC

Gussman Cleaners

Sample Id: **695090-1-BLK** Matrix: WATER

Lab Sample Id: **695090-1-BLK**

Analytical Method: **SVOCs by EPA 625 + 10 TICs** Prep Method: E625P

Tech: BRO

Analyst: VIC Date Prep: 07.13.15 15:35

Seq Number: 972298

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Dibenz(a,h)Anthracene	53-70-3	U	10.0	1.83	ug/L	07.14.15 13:59	U	1
Dibenzofuran	132-64-9	U	10.0	1.64	ug/L	07.14.15 13:59	U	1
Diethyl Phthalate	84-66-2	U	10.0	1.90	ug/L	07.14.15 13:59	U	1
Dimethyl Phthalate	131-11-3	U	10.0	1.97	ug/L	07.14.15 13:59	U	1
di-n-Butyl Phthalate	84-74-2	U	10.0	2.08	ug/L	07.14.15 13:59	U	1
di-n-Octyl Phthalate	117-84-0	U	10.0	1.38	ug/L	07.14.15 13:59	U	1
Fluoranthene	206-44-0	U	10.0	1.81	ug/L	07.14.15 13:59	U	1
Fluorene	86-73-7	U	10.0	1.56	ug/L	07.14.15 13:59	U	1
Hexachlorobenzene	118-74-1	U	10.0	2.21	ug/L	07.14.15 13:59	U	1
Hexachlorobutadiene	87-68-3	U	10.0	1.78	ug/L	07.14.15 13:59	U	1
Hexachlorocyclopentadiene	77-47-4	U	10.0	1.87	ug/L	07.14.15 13:59	U	1
Hexachloroethane	67-72-1	U	10.0	2.38	ug/L	07.14.15 13:59	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	10.0	1.87	ug/L	07.14.15 13:59	U	1
Isophorone	78-59-1	U	10.0	1.41	ug/L	07.14.15 13:59	U	1
Naphthalene	91-20-3	U	10.0	1.52	ug/L	07.14.15 13:59	U	1
Nitrobenzene	98-95-3	U	10.0	1.49	ug/L	07.14.15 13:59	U	1
n-Nitrosodi-n-Propylamine	621-64-7	U	10.0	1.36	ug/L	07.14.15 13:59	U	1
n-Nitrosodiphenylamine	86-30-6	U	10.0	2.50	ug/L	07.14.15 13:59	U	1
Pentachlorophenol	87-86-5	U	10.0	2.26	ug/L	07.14.15 13:59	U	1
Phenanthrene	85-01-8	U	10.0	2.04	ug/L	07.14.15 13:59	U	1
Phenol	108-95-2	U	10.0	1.76	ug/L	07.14.15 13:59	U	1
Pyrene	129-00-0	U	10.0	2.40	ug/L	07.14.15 13:59	U	1

Blank Summary 511162

Terraquest Environmental Consultants, P.C., Mebane, NC

Gussman Cleaners

Sample Id: **695254-1-BLK** Matrix: WATER

Lab Sample Id: **695254-1-BLK**

Analytical Method: **MADEP EPH** Prep Method: SW3510C

Tech: BRO

Analyst: CLAR Date Prep: 07.15.15 10:15

Seq Number: 972426

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22	U	100	100	ug/L	07.16.15 12:11	U	1
C9-C18 Aliphatics	ALHYDRC9C1	U	100	100	ug/L	07.15.15 20:56	U	1
C19-C36 Aliphatics	ALHYDRC19C	U	100	100	ug/L	07.15.15 20:56	U	1

XENCO LABORATORIES

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CHAIN OF CUSTODY

COC# ATL300980
Page _____ of _____

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: **Terraquest Environmental Consultants, P.C.**
Address: **100 E. Ruffin Street, Mebane, NC 27302**
Results Sent to: Jonathan Grubbs
Email address: jrgrubbs@terraquestpc.com
Contact Phone #: 919-563-9091 Cell#: 919 906-0707
Project Name (Site): Gussman Cleaners
Project Number (ID): 05015
Regulatory Program: NCOWM-UST

Receiver's Initials/Temp: [illegible] / 4.8c
Custody Seal(s):___ Y N Lab Work Order # WO# 511162
P.O.# (if required):
Field Comments / Lab Precautions:

Analysis Requested

Sampler(s): (signature): Jonathan R. Grubbs
Sampler(s): (printed): Jonathan Grubbs

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	6200B	VPH	EPH	625BNA
Container Type:								VC	VC	GA	GA
Chemical Preservation Code:								1	1	1	
1	MW1	—	6/6/15 1338	GW		X	10	X	X	X	X
2											
3											
4											
5											
6											
7											
8											
9											
10											

1) Relinquished By: Jonathan R. Grubbs — Date / Time 6/8/15 1500	2) Received By: [illegible] Rowsey — Date / Time 7/9/15 9:53	Delivered by: (Circle One) Fed Ex / UPS / Courier / Lab Pickup / Hand / Other
3) Relinquished By: — Date / Time	4) Received By: — Date / Time	**Turnaround Time (business days)** TAT Starts when samples are rec'd by 2PM
5) Relinquished By: — Date / Time	6) Received By: — Date / Time	___10 Days ; X 5-7 Days; ___3 Days ___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)
Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH
Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

JC188

01000

FedEx Express Package US Airbill

FedEx Tracking Number 8047 7449 0420

1 From

Date 7/8/15

Sender's Name Brad Hayes Phone

Company Thrust Energy

Address 100 F. Griffin St.

Dept./Floor/Suite/Room

City Mebane State NC ZIP 27302

2 Your Internal Billing Reference

3 To

Recipient's Name RECEIVING DEPARTMENT Phone 770 449-8800

Company XENCO LAB

Address 6017 FINANCIAL DR

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City NORCROSS State GA ZIP 30071-2925

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0112702654

8047 7449 0420

fedex.com 1.800.GoFedEx 1.800.463.3339

Form ID No. 0215

Recipient's Copy

4 Express Package Service *To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. *For packages over 150 lbs., use the FedEx Express Freight US Airbill.*

Next Business Day

- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [x] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging *Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling and Delivery Signature Options

- [ ] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- [x] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

Obtain recip. Acct. No. [ ]

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Total Packages ____ Total Weight ____ lbs. Credit Card Auth. ____

†Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

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XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Florida Testing Services, LLC

Client: Terraquest Environmental Consultants, F

Date/ Time Received: 07/09/2015 09:53:00 AM

Work Order #: 511162

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used :

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	4.8	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6 *Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Sample instructions complete on Chain of Custody?	**Yes**	
#9 Any missing/extra samples?	**No**	
#10 Chain of Custody signed when relinquished/ received?	**Yes**	
#11 Chain of Custody agrees with sample label(s)?	**Yes**	
#12 Container label(s) legible and intact?	**Yes**	
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**	
#14 Samples in proper container/ bottle?	**Yes**	
#15 Samples properly preserved?	**Yes**	
#16 Sample container(s) intact?	**Yes**	
#17 Sufficient sample amount for indicated test(s)?	**Yes**	
#18 All samples received within hold time?	**Yes**	
#19 Subcontract of sample(s)?	**No**	
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**Yes**	
#21 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**Yes**	
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: JDR

PH Device/Lot#: I016662-9

Checklist completed by: Jeff Wilmoth — Date: 07/09/2015

Checklist reviewed by: Debbie Simmons — Date: 07/10/2015