

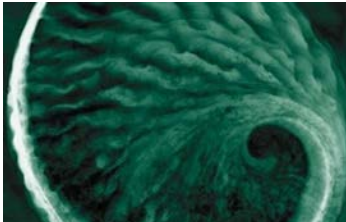
The Gillette Company

Sub-Surface Investigation Activities, October – November 2012

Sabana Abajo Industrial Park,
Carolina, Puerto Rico

7 January 2013

SIGNATURES



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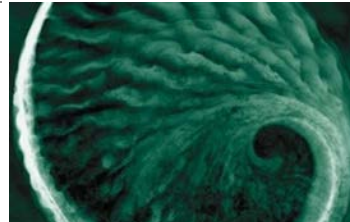
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LIST OF ACRONYMS

Alpha	Alpha Analytical
Biovail	Biovail Pharmaceuticals
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, xylenes
DI	de-ionized [water]
DNAPL	dense non-aqueous phase liquid
CD	compact disc
cDCE	cis 1,2-dichloroethene
CHC	chlorinated hydrocarbon
CVOC	chlorinated volatile organic compound
EPA	United States Environmental Protection Agency
ERM	Environmental Resources Management
ft	feet (foot)
Gillette	The Gillette Company
GPR	ground penetrating radar
HASP	health and safety plan
HCl	hydrochloric [acid]
ml/min	milliliter per minute
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PCE	tetrachloroethene
PID	photo-ionization detector
ppm	parts per million
QAPP	quality assurance project plan
RSL	regional screening level
SOP	standard operating procedure
SSC	sub-surface clearance
TCE	trichloroethene
VC	vinyl chloride
VOC	volatile organic compound
VPH	volatile petroleum compound
µg/L	micrograms per liter
µg/m ³	micrograms per cubic meter

1. INTRODUCTION

On behalf of The Gillette Company (Gillette), ERM is pleased to provide this summary report of field investigation activities conducted at the former Gillette property in the Sabana Abajo industrial park in Carolina, Puerto Rico (the Site, Figure 1). The field activities were documented in an Environmental Monitoring and Reporting Work Plan (Work Plan, [ERM, June 2012]) prepared voluntarily by Gillette to assist the United States Environmental Protection Agency (EPA) in determining the origin of chlorinated volatile organic compounds (CVOCs) across the site. The EPA approved Gillette's Work Plan on 26 July 2012. The Work Plan also included a Quality Assurance Project Plan (QAPP) and a Site specific Health and Safety Plan (HASP).

1.1 Background

In 1999, Gillette's neighboring facility operator, Biovail Pharmaceuticals (Biovail), conducted a Limited Phase II Assessment of the Gillette property in support of a potential property transaction. The investigation activities included findings of CVOCs on the south side of the Gillette property bordering the Biovail facility. Gillette conducted numerous subsurface investigations including soil vapor, soil and groundwater quality to evaluate potential risk to Site workers from exposure to CVOCs and to determine the origin of the source of release. Analytical results in all sampled media indicated that a historical release had occurred on the Biovail property. Gillette notified the EPA and the Environmental Quality Board (EQB) in 2004. In 2006, the EPA conducted an investigation of soil and groundwater on the Gillette and Biovail properties. The summary report (EPA, October 2006) concluded "*Based on the results of this [2006] investigation, it appears that primarily a PCE residual DNAPL source exists in the shallow subsurface on the Biovail Property near or upgradient of MW-39*".

1.2 Purpose and Scope

The purpose of this report is to provide a comprehensive summary of field and analytical results of the activities outlined within the EPA approved Work Plan. The scope of field work includes the collection of additional soil vapor and groundwater samples at the Site. The field activities were completed in November 2012 and were performed at a time consistent to when Biovail was also conducting a thorough investigation on their property.

2. METHODOLOGY

2.1 *Sub-Slab Soil Vapor Sampling*

Prior to commencing field investigation activities, ERM conducted a limited Site walk on 29 October 2012 together with David Rosoff of the EPA. The main purpose of the Site walk was to select three locations for active sub-slab soil vapor sampling. Based on observations from the Site walk, the EPA recommended moving the sampling points from the locations originally proposed in the Work Plan. The rationale for the updated locations was to collect samples in closer proximity to the CVOC impacts to groundwater along the Biovail property boundary for each of the three sampling areas. Gillette agreed with the locations suggested by EPA and ERM proceeded with sub-surface clearance (SSC) activities for the separate areas.

2.1.1 *Sub-Surface Clearance*

SSC activities were conducted in accordance with ERM procedures before installing the sub-slab soil vapor sampling points in order to reduce the risk of health and safety hazards associated with potential utility strikes. SSC activities were performed in accordance with the HASP. A site-wide visual inspection and evaluation of known and suspected site utilities was completed prior to the start of sampling point installation activities. No known or suspected site utilities were observed in the vicinity of the proposed soil gas sampling locations during the visual inspection and evaluation. The immediate vicinities of proposed sub-slab soil gas sampling locations were then scanned using ground-penetrating radar (GPR) and the results were interpreted in the field. No utilities were found in the vicinity of the proposed sampling locations.

2.1.2 *Installation of Soil Vapor Sampling Point*

Sub-slab soil vapor sampling points were installed in accordance with SOP 08 (QAPP).

A 1-inch diameter hole was drilled approximately 1-inch into the concrete slab at each selected soil gas sampling point. A 1/2-inch diameter hole was then drilled through the approximately 8-inch concrete slab using a hammer drill creating a “nested” drilled hole. The 1/2-inch hole was drilled to approximately 12.5 inches below slab surface. This was slightly deeper than the SOP prescribes, and used a 1/2-inch hole rather than a 3/8-inch diameter hole as the SOP prescribes. These adjustments were made at the request of the EPA On-Site Coordinator during installation to satisfy his concern that the drilled hole had indeed penetrated the concrete slab. The available 1/2-inch diameter drill bit was capable of penetrating to 12.5 inches depth, whereas the available 3/8-inch diameter bit was only capable of penetrating to 10 inches.

Teflon® tubing (1/4-inch outside diameter) was then cut to length and marked such that when inserted into the drilled hole, its end would extend 2-inches below the bottom of the slab and its above-ground end would have approximately two feet of length. Teflon® tape was then wrapped around the portion of the tubing that would sit at the bottom of the 1-inch drilled hole when the tubing was inserted. The Teflon® tape was pressed into the bottom of the 1-inch hole to create a seal. The above-ground end of the tubing was then capped with electrical tape. The 1-inch hole above the new seal was then filled with hydraulic expanding cement and allowed to cure overnight.

2.1.3 Leak Test

Leak testing was performed on completed sub-slab soil gas installations in accordance with SOP 08 (QAPP).

Helium was used as a tracer gas to evaluate the infiltration of indoor air into the soil gas probe or tubing prior to sampling. A plastic shroud was used to cover the soil gas sampling point at the ground or slab surface. A field helium meter (Dielectric MGD-2002) was used to detect leaks in the surface seal.

Per the SOP, the shroud tests are considered successful if detection in the purge soil gas is less than ten percent of the shroud helium concentration. All three sub-slab soil gas sampling locations were well below the ten percent threshold, indicating quality seals were achieved.

2.1.4 Soil Vapor Sampling and Analysis

Sub-slab soil gas samples were collected in accordance with SOP 08 (QAPP).

Sub-slab soil gas samples were collected at three locations (Figure 2). The soil gas samples were collected concurrently with groundwater sampling to maximize the comparability of data between each media.

Following completion of leak testing, Teflon® tubing (1/4" outside diameter) was attached to 2.7-liter Summa® canisters equipped with flow controller that limited the flow rate to less than 200 ml/min. The canisters and flow regulators were individually certified clean by the laboratory prior to use (see soil vapor laboratory analytical report, Appendix A).

Canister valves were then opened to allow sample to be transferred from the sub-surface to the canister. Canister vacuum was monitored closely during filling to prevent complete vacuum drawdown. Canisters were closed when vacuum fell below -12 inches of mercury (approximately 2 to 2.5 hours, depending on the location). Final vacuum and sample times were recorded in the project field notes and on the laboratory chain of custody. Canisters were then double-checked for proper valve closure, and packaged in a shipping crate for delivery to the analytical laboratory. The residual vacuum was also be confirmed by the laboratory after receipt of the canister.

All sub-slab soil vapor samples were submitted to Alpha Analytical in Mansfield, Massachusetts (Alpha), and analyzed using a modified EPA Method TO-15 SIM for parameters including tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2 dichloroethene (cDCE), vinyl chloride (VC) and benzene, toluene, ethyl benzene, and xylenes (BTEX). The samples were shipped in sealed crates under chain-of-custody protocol. The chain of custody is included in Appendix A.

2.2 Groundwater Monitoring

2.2.1 Groundwater Elevation

Groundwater elevation gauging was completed on 30 October prior to the start of groundwater sampling and was completed in accordance with SOP 02 (QAPP). An additional groundwater gauging event was conducted on 14 November to coincide with groundwater monitoring activities being performed at the Biovail property. Electronic water level probes were used to gauge the depth to water and total depth of each of the 11 monitoring wells sampled (Figure 2). Measurements were made from the northern side of each well's PVC casing, unless otherwise marked. Groundwater elevation results were recorded on a groundwater gauging field form. The reference elevations used to calculate

groundwater elevation were surveyed by the EPA during the 2006 mobilization and presented in the EPA summary report (EPA, October 2006).

2.2.2 *Groundwater Quality*

Groundwater samples were collected between 31 October and 2 November 2012 using low-flow sampling protocol in accordance with SOP 07 (QAPP).

Multi-parameter probes (YSI 600XL) with flow cells were used to collect and monitor field parameters during the low-flow pumping. Well construction information was used to pre-measure the length of tubing so the pump intake would be set at mid-screen, or in the middle of the saturated interval if the well screen straddled the water table. Bladder systems (QED SamplePro 0.75-inch with QED MP10 Controller and separate air compressor) were utilized to purge groundwater. The bladder pump water tubing (1/4" outside diameter Teflon-lined tubing) was connected to the multi-parameter probe flow cell, and the air tubing (1/8" outside diameter polyethylene tubing) was connected to the bladder pump controller. The controller was then connected to the separate bladder pump air compressor. The bladder pump, tubing, and water level probe were then carefully lowered into the well.

The bladder pump controller was started to begin purging and filling the multi-parameter probe flow cell. The water level in the well and field parameters (temperature, pH, dissolved oxygen, oxidation-reduction potential, specific conductivity, and turbidity) were monitored every 5 minutes while purging; and the purge rate was adjusted so that less than 0.3 feet of total drawdown occurred during sampling. Bladder pump controller rate adjustments and changes in depth to water were recorded on the low-flow sampling forms.

Stabilization was considered achieved, in accordance with the respective SOP, when three consecutive 5-minute readings were within the following limits:

- Temperature (+/- 3%);
- Specific conductance (+/- 3%);
- pH (+/- 0.1 unit);
- Dissolved oxygen (<0.5 mg/l or +/- 10% for values greater than 0.5 mg/l);
- Oxidation-reduction potential (+/- 10 millivolts).
- Turbidity (+/- 10%)

Once field parameters were stabilized, samples were collected directly from the end of the discharge tube (i.e. flow cell disconnected).

In the event that drawdown greater than 0.3 feet was observed, the sampling was continued by following EPA low stress (low flow) sampling procedures (EPA, March 1998) and as presented in SOP 07 (QAPP). Wells were allowed to draw down to just above the bladder pump intake, but not pumped dry to avoid cascading effects. After drawing the water down to above the tubing intake, the pump was paused and the well was allowed to recharge sufficiently to allow collection of a sample. In one

case, drawdown was greater than 0.3 feet, but continued pumping would not draw the water level down to just above pump intake. In this case, three well volumes of water were purged, the well was allowed to recharge, and the sample was collected.

As per the QAPP, one field duplicate and one MS/MSD sample was collected during the sampling event. Additional quality control samples included one equipment-blank and one trip-blank. Samples were collected in HCl-preserved amber vials, logged, and shipped to Alpha under chain-of-custody protocol for analysis via EPA Method 8260C for site-specific compounds. The chain-of-custody is included in Appendix B. Samples were shipped in a cooler equipped with dual custody seals, in accordance with SOP 03 (QAPP).

Details of field parameter stabilization, drawdown rates, and observations made during groundwater sampling were recorded on low-flow sampling field forms for each monitoring well location.

2.3 *Decontamination*

Groundwater sampling equipment and water level probes were decontaminated in accordance with SOP 04 (QAPP). A workbench covered by plastic sheeting was set up as a decontamination station. Wash water used in the decontamination process was collected and drummed for off-site disposal.

All parts of the equipment coming in contact with groundwater were decontaminated by scrubbing thoroughly with paper towels wetted with Alconox detergent, then double-rinsed with distilled or de-ionized (DI) water and isopropyl alcohol prior to use at another location. DI water had been shipped from the continental United States to the Site as a special order, but did not arrive until after the first day of sampling and decontamination. Thus, distilled water was used as a replacement until the arrival of de-ionized water, which was used for remainder of sampling and decontamination activities.

In the case of bladder pumps used for groundwater sampling, the pumps were disassembled and the disposable bladder removed. The pump bodies were then scrubbed thoroughly. Each part was then double rinsed with distilled or de-ionized water and isopropyl alcohol.

A field rinseate (equipment blank) sample was taken from the decontaminated sampling bladder pump housing to verify the effectiveness of the decontamination procedures. The rinseate sample was collected in HCl-preserved vials and sent to Alpha for analysis.

2.4 *Investigation Derived Waste*

All purge water and decontamination liquids generated during the field investigation activities were contained in one drum and stored at the Site in a secure location. The contents of the drum were documented in accordance with the Work Plan. The investigation derived waste will be disposed of under proper waste manifest documentation by a licensed service provider. At the time of submitting this report the waste drum remained at the Site.

2.5 *Documentation*

2.5.1 *Field Notes*

Field notes were recorded throughout the execution of field activities, in accordance with SOP 01 (QAPP). The field notes included timelines and detail of:

- Field Technical Systems Audit

- Equipment calibration
- Sub-slab slab sampling location construction notes
- Sub-slab sampling leak testing results
- Groundwater gauging and sampling
- Health and safety observations
- Log of visitors to the Site

2.5.2 *Field Forms*

Activity-specific field forms were completed for the field technical systems audit, monitoring well inspection, groundwater gauging, groundwater sampling, and sample logging. These forms contain additional detail not noted in the field notes. Health and safety-specific forms were completed during the daily safety meetings, Site inspection, ambient air monitoring, and SSC activities.

2.5.3 *Photographs*

Photographs of Site conditions and activities were taken to supplement field notes and forms. Included were photographs showing Site utilities, monitoring well condition, sub-slab soil gas sampling installation, groundwater sampling equipment setup, and sampling techniques.

3. RESULTS AND DISCUSSION

A summary of sub-slab soil vapor and groundwater monitoring activities is included in Table 1.

3.1 *Data Validation*

In accordance with the Work Plan, ERM conducted a formal validation of the complete data sets collected at the Site. The data was validated using multiple federal standard operating procedures, analytical method quality control protocols and the reviewer's professional judgment.

The validation resulted in application of qualifiers for certain compounds reported below instrument detection limits, indicating that they were potentially biased low. However, no compounds of concern or other detected compounds were affected by qualifiers. All field sample analytical results were determined to be valid and usable with qualifications as noted in the validation summary.

3.2 *Sub-Slab Soil Vapor*

The analytical results of the sub-slab soil vapor samples are summarized in Table 2. Laboratory results indicate that concentrations of PCE and respective degradation compounds were detected at all three sampling locations. Detections also included certain volatile petroleum compounds (VPH). The soil vapor laboratory analytical report is included in Appendix A.

Using the sub-slab soil gas samples, indoor air concentrations were developed by applying the most conservative attenuation factor from the 50th percentile (i.e. "CHCs in Residences", EPA 2012) as presented in EPA's Vapor Intrusion Database: Evaluation and Characterization of Attenuation Factors for Chlorinated Volatile Organic Compounds and Residential Buildings. Calculated indoor air concentrations were compared against the EPA regional screening levels (RSLs) for Industrial Air (EPA, 2012). The screening evaluation is summarized in Table 3. The evaluation showed calculated indoor air concentrations to be below the applicable Threshold Value for Industrial Air.

3.3 *Groundwater Elevation*

Groundwater measurements are presented in Table 4. Groundwater elevation contours and flow directions from the November gauging event are presented in Figure 3. The results are consistent with historical flow directions indicating that highest groundwater elevations are observed in wells GW-W5, MW-41 and GW-W6, which are all located along the southern property boundary between Gillette and Biovail. Consistent with prior reports, groundwater flows from the Biovail property onto the Site in the general area of locations GW-W5, MW-41 and GW-W6. Beneath the building footprint of the Site, the direction of groundwater flow changes to the west and towards the canal located west of the property boundary.

The calculated elevation at location MW-3 was excluded from the groundwater elevation interpretation due to anomalous depth to water measurements. Indications of surface run-off intrusion into the well are supported by the following observations:

- During the November 2012 gauging round, groundwater elevations across the Site had decreased compared to the October round, with the exception of MW-3, which exhibited an increased groundwater elevation.

- Each of the 2012 gauging events also showed groundwater elevations which were biased high at MW-3 compared with gauging results from this location from 2006.

3.4 Groundwater Quality

Groundwater analytical results are summarized in Table 5. The Groundwater laboratory analytical report is included in Appendix B. The data is generally consistent with historical results collected in 2006. The highest concentrations of total CVOCs were detected at location MW-41 (500,000 µg/L) and MW-6 (144,000 µg/L), both wells located hydraulically downgradient from the Biovail property (Figure 4). Elevated total CVOC concentration detections were restricted to the southern portion of the Site, as well as well MW-17, which is located downgradient of MW-41 and MW-6. Total CVOC concentrations decline rapidly towards the northern Site property boundary wells. The total CVOC observations indicate the extension of the plume core in a westerly direction, which is consistent with horizontal groundwater flow in this portion of the Site.

Locations MW-29 and MW-33 showed detections of acetone, a potential laboratory contaminant compound which is not a compound of concern at the Site. Acetone is not included in the total CVOC concentrations shown in Figure 4.

The substantial CVOC concentrations at monitoring wells MW-6 and MW-41 are believed to originate from an upgradient off-Site source containing residual or pooled dense non-aqueous phase liquid (DNAPL). The following lines of evidence support this hypothesis:

- The CVOC concentrations in the plume have not declined significantly over time. A persistent and contiguous plume is indicative of a continuing DNAPL source.
- The “one percent rule” (Kueper and Davies, 2009) suggests that compounds measured at concentrations greater than one percent of the effective solubility in water of that compound is indicative that the sampled water may have come in contact with DNAPL. The effective solubility of PCE is 200,000 µg/L (Pankow and Cherry, 1996). Subsequently, the elevated concentrations of PCE in monitoring wells MW-6 and MW-41 indicate that groundwater in this portion of the Site may have come in contact with PCE DNAPL.
- Figure 5 illustrates the speciation of the compounds of concern and show the highest percentage of parent compound PCE is located in wells along the southern half of the property. The elevated ratio of TCE at locations MW-6 and MW-41 is indicative of an upgradient source largely composed of PCE. The fraction of parent compound (PCE) in the MW-41 area (MW-6 and MW-41) amounted to approximately 25 percent during the 2012 monitoring event. However, historical ratios at this location have fluctuated sporadically and included up to 40 percent PCE during the 2006 monitoring event. Analytical data collected on the Biovail property by EPA in 2006, upgradient of MW-41 and MW-6, showed PCE ratios in groundwater reaching 70 percent. Increased ratios of degradation compounds (primarily cDCE) are apparent with increased distance away from location MW-41, indicating occurrence of natural attenuation through anaerobic dechlorination.

The combined information of groundwater flow direction, sustained CVOC concentration gradients and CVOC speciation in this portion of the Site, as well as the “one percent rule”, indicates presence of a PCE enriched source located hydraulically upgradient of location MW-41 and MW-6 on the Biovail property.

4. CONCLUSIONS

Sub-slab soil vapor and groundwater monitoring activities were conducted in accordance with the EPA approved Work Plan.

The data validation of the sub-slab and groundwater analytical data concluded that all field sample analytical results were valid.

Sub-slab analytical results do not exceed the applicable EPA RSLs. Therefore, these results do not necessitate completion of a risk characterization to determine risk to human health from exposure to indoor air at the Site.

Horizontal groundwater flow in the area of the highest observed CVOC concentrations is directed from the Biovail property towards the Site.

Results from the groundwater monitoring activities continue to support the argument for a PCE enriched source on the Biovail property, upgradient of locations MW-41 and MW-6 as follows:

- The presence of a consistent and contiguous VOC plume;
- PCE concentrations greater than one percent of the effective solubility of PCE at monitoring wells MW-41 and MW-6;
- VOC speciation demonstrating the occurrence of PCE enriched samples from the southern portion of the Site and higher presence of degradation products (cDCE) due to natural attenuation processes as groundwater flows from MW-41 towards the canal.

5. REFERENCES

- ERM, Environmental Monitoring and Reporting Work Plan, Former Gillette de Puerto Rico Property, Sabana Abajo Industrial Park, Carolina, Puerto Rico , 25 June 2012
- EPA, Ground Water sampling Procedure Low Stress (Low flow) Purging and Sampling, Groundwater Sampling SOP FINAL 16 March 1998
- EPA, Sabana Abajo Industrial Park Site: Phase II Source Location Identification, Work Assignment 0-111 – Trip Report, 5 October 2006
- EPA, EPA’s Vapor Intrusion Database: Evaluation and Characterization of Attenuation Factors for Chlorinated Volatile Organic Compounds and Residential Buildings, 16 March 2012
- EPA, Regional Screening Level (RSL) Summary, November 2012
- Kueper and Davies, Assessment and Delineation of DNAPL Source Zones at Hazardous Waste Sites, EPA Groundwater Issue, 2009
- Pankow and Cherry, Dense Chlorinated Solvents & Other DNAPLs in Groundwater, Waterloo Press, 1996

TABLES

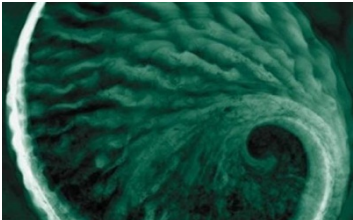


Table 1
Summary of Sub-Surface Monitoring Locations
Former Gillette de Puerto Rico Facility
Sabana Abajo Industrial Park
Carolina, Puerto Rico

Location ID	Water Level Measurement	EPA Method 8260C	EPA Method TO-15 SIM
SS-02A			x
SS-03A			x
SS-05A			x
MW-2	x	x	
MW-3	x	x	
MW-5	x	x	
MW-6	x	x	
MW-16	x	x	
MW-17	x	x	
MW-21	x	x	
MW-29	x	x	
MW-30	x	x	
MW-33	x	x	
MW-41	x	x	

Table 2
Summary of Sub-Slab Soil Vapor Analytical Results
Former Gillette de Puerto Rico Facility
Sabana Abajo Industrial Park
Carolina, Puerto Rico

Location ID	Sample Date	Analyte Unit Sample Type	Tetrachloro- ethene ug/m3	Trichloro- ethene ug/m3	cis-1,2- Dichloroethene ug/m3	Vinyl chloride ug/m3	Benzene ug/m3	Toluene ug/m3	Ethylbenzene ug/m3	m,p Xylenes ug/m3	o-Xylene ug/m3
SS-02	31-Oct-12	N	57.4	50.3	8.09	1.7	1.84	36.2	3.81	15.9	6.21
SS-03	31-Oct-12	N	2.79	8.49	26	1.79	1.08	39.6	3.39	14.5	6.04
SS-03	31-Oct-12	FD	2.85	8.44	26.1	1.77	0.971	37.5	2.61	10.9	4.78
SS-05	31-Oct-12	N	0.895	< 0.215	< 0.158	< 0.102	2.09	88.9	4.39	17.1	7.6

Notes:

< = Compound not detected. Reported detection limit shown.

Units are in ug/m3 = micrograms per cubic meter.

FD = Field Duplicate Sample.

N = Normal Environmental Sample.

Table 3
Sub-Slab to Indoor Air Attenuation Evaluation
Former Gillette de Puerto Rico Facility
Sabana Abajo Industrial Park
Carolina, Puerto Rico

	Maximum Sub-Slab Soil Vapor Detection ($\mu\text{g}/\text{m}^3$)	Attenuation Factor ¹	EPA RSL ² Industrial Air TV ($\mu\text{g}/\text{m}^3$)	Maximum Calculated Indoor Air Concentration ($\mu\text{g}/\text{m}^3$)
		1.30E-02		
Tetrachloroethene	57.4		47	0.75
Trichloroethene	50.3		3	0.65
cis-1,2-Dichloroethene	26.1		260	0.34
Vinyl chloride	1.79		2.8	0.02
Benzene	2.09		1.6	0.03
Toluene	88.9		4.9	1.16
Ethylbenzene	4.39		22,000	0.06
m,p Xylenes	17.1		440	0.22
o-Xylene	7.6		440	0.10

Notes:

¹ Chlorinated hydrocarbons (CHCs) in residences screening; EPA's Vapor Intrusion Database:

Evaluation and Characterization of Attenuation Factors for Chlorinated Volatile Organic Compounds and Residential Buildings

² November 2012 version update

EPA RSL = Environmental Protection Agency Regional Screening Level

TV = Threshold Value

Table 4
Summary of Well Construction and Groundwater Elevation Data
Former Gillette de Puerto Rico Facility
Sabana Abajo Industrial Park
Carolina, Puerto Rico

Location (EPA)	Location (Others)	Total Depth ¹ (feet bgs)	Screened Interval ² (feet bgs)	TOC Elevation ³ (feet)	Depth to Groundwater (feet bgs)	Groundwater Elevation (feet)	Depth to Groundwater (feet bgs)	Groundwater Elevation (feet)
Date					30 Oct 2012		14 Nov 2012	
MW-2	GW-W2	14.89	5-15	101.20	4.77	96.43	4.95	96.25
MW-3	GW-W3	14.90	5-15	101.75	4.64	97.11	4.27	97.48
MW-5	GW-W5	14.73	5-15	102.16	5.00	97.16	5.25	96.91
MW-6	GW-W6	12.39	2-12	102.12	3.71	98.41	3.74	98.38
MW-16	GW-W16	12.98	3-13	102.38	5.23	97.15	5.38	97.00
MW-17	GW-W17	14.82	5-15	101.51	5.16	96.35	5.31	96.20
MW-21	GW-W21	12.01	3-13	100.84	4.49	96.35	4.67	96.17
MW-29	GW-W29	14.88	5-15	102.57	4.81	97.76	5.01	97.56
MW-30	GW-W30	11.95	3-12	100.33	3.48	96.85	3.87	96.46
MW-33	GW-W33	14.32	5-15	102.39	4.72	97.67	5.03	97.36
MW-41	MW -41	14.82	5-15	101.90	5.22	96.68	5.36	96.54

Notes:

¹ Total depth measured on 30 October 2012.

² Screened interval per well construction log.

³ Surveyed TOC elevations established by EPA subcontractor in 2006 and reference an arbitrary site datum.

TOC = Top of casing

bgs = Below ground surface

Table 5
Summary of Groundwater Analytical Results
Former Gillette de Puerto Rico Facility
Sabana Abajo Industrial Park
Carolina, Puerto Rico

Location ID	Sample Date	Analyte Unit Sample Type	Tetrachloro- ethene ug/L	Trichloro- ethene ug/L	cis-1,2-Dichloro- ethene ug/L	trans-1,2-Dichloro- ethene ug/L	1,1-Dichloro- ethene ug/L	Vinyl chloride ug/L	1,1-Dichloro- ethane ug/L	Acetone ug/L	Total VOC ug/L
MW-2	01-Nov-12	N	17,000	7,800	4,900	< 150	< 100	940	< 150	< 1,000	30,640
MW-3	02-Nov-12	N	1,100	1,900	3,500	< 75	< 50	600	< 75	< 500	7,100
MW-5	02-Nov-12	N	2,100	1,500	8,100	< 150	< 100	920	< 150	< 1,000	12,620
MW-6	02-Nov-12	N	41,000	36,000	50,000	< 190	< 120	17,000	< 190	< 1,200	144,000
MW-16	31-Oct-12	N	13,000	4,900	5,000	< 150	< 100	3,100	< 150	< 1,000	26,000
MW-16	31-Oct-12	FD	12,000	4,500	4,700	< 150	< 100	2,900	< 150	< 1,000	24,100
MW-17	01-Nov-12	N	15,000	14,000	39,000	< 190	< 120	8,900	< 190	< 1,200	76,900
MW-21	01-Nov-12	N	17	22	440	< 3.8	< 2.5	64	< 3.8	< 25	543
MW-29	31-Oct-12	N	< 0.50	1.2	15	1.2	2.4	4.3	2.7	13	40
MW-30	01-Nov-12	N	1.2	3.6	< 0.50	< 0.75	< 0.50	< 1.0	< 0.75	< 5.0	5
MW-33	31-Oct-12	N	< 0.50	< 0.50	< 0.50	< 0.75	< 0.50	< 1.0	< 0.75	24	24
MW-41	02-Nov-12	N	120,000	44,000	270,000	< 3,000	< 2,000	66,000	< 3,000	< 20,000	500,000

Notes:

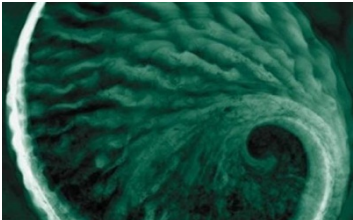
< = Compound not detected. Reported detection limit shown.

Units are in ug/L = micrograms per liter.

FD = Field Duplicate Sample.

N = Normal Environmental Sample.

FIGURES



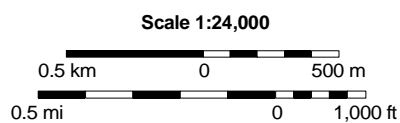
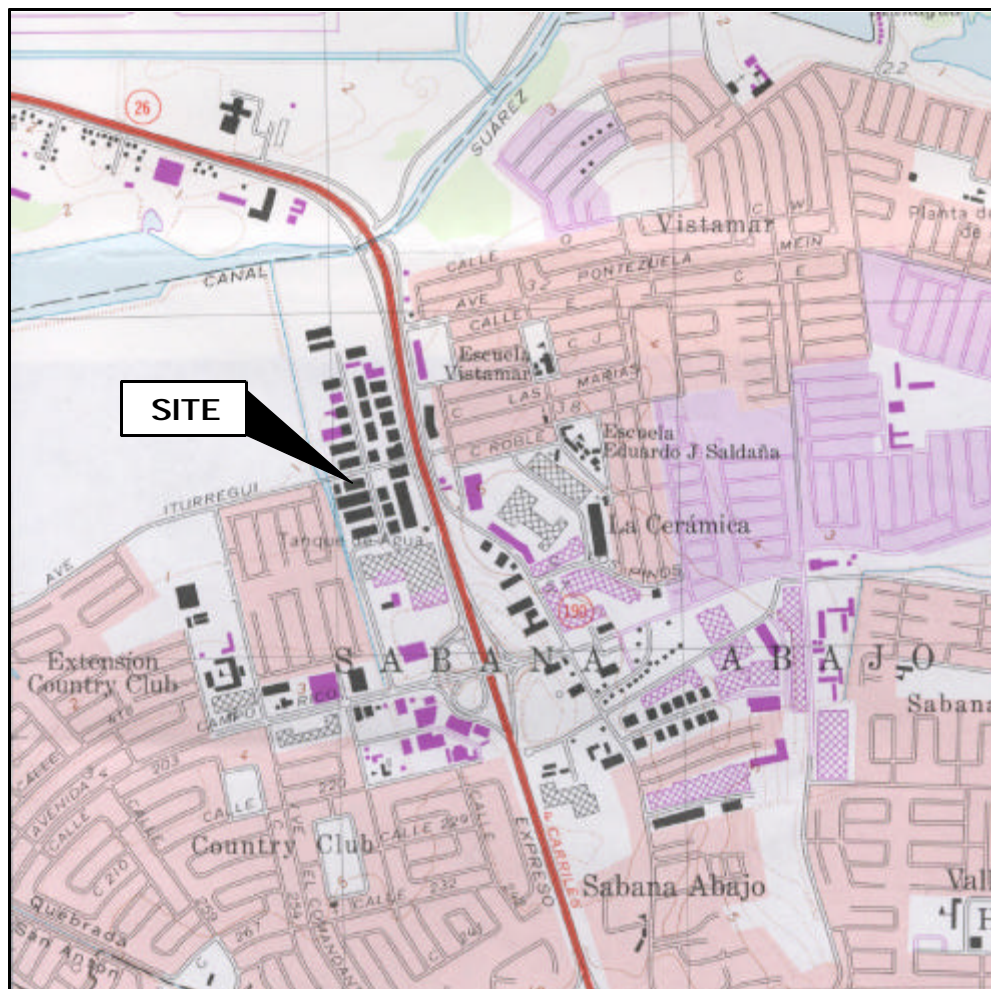


Figure 1- Site Locus Map
Gillette - Carolina, Puerto Rico





- Legend**
- Monitoring Well Location
 - MW-6 EPA Location ID
 - GW-W6 Location ID by Others
 - Sub-Slab Soil Gas Location May 2008
 - Sub-Slab Soil Gas Location November 2012
 - Property Boundary
 - Lined Canal
 - Building Outline

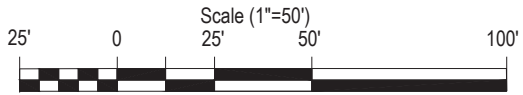
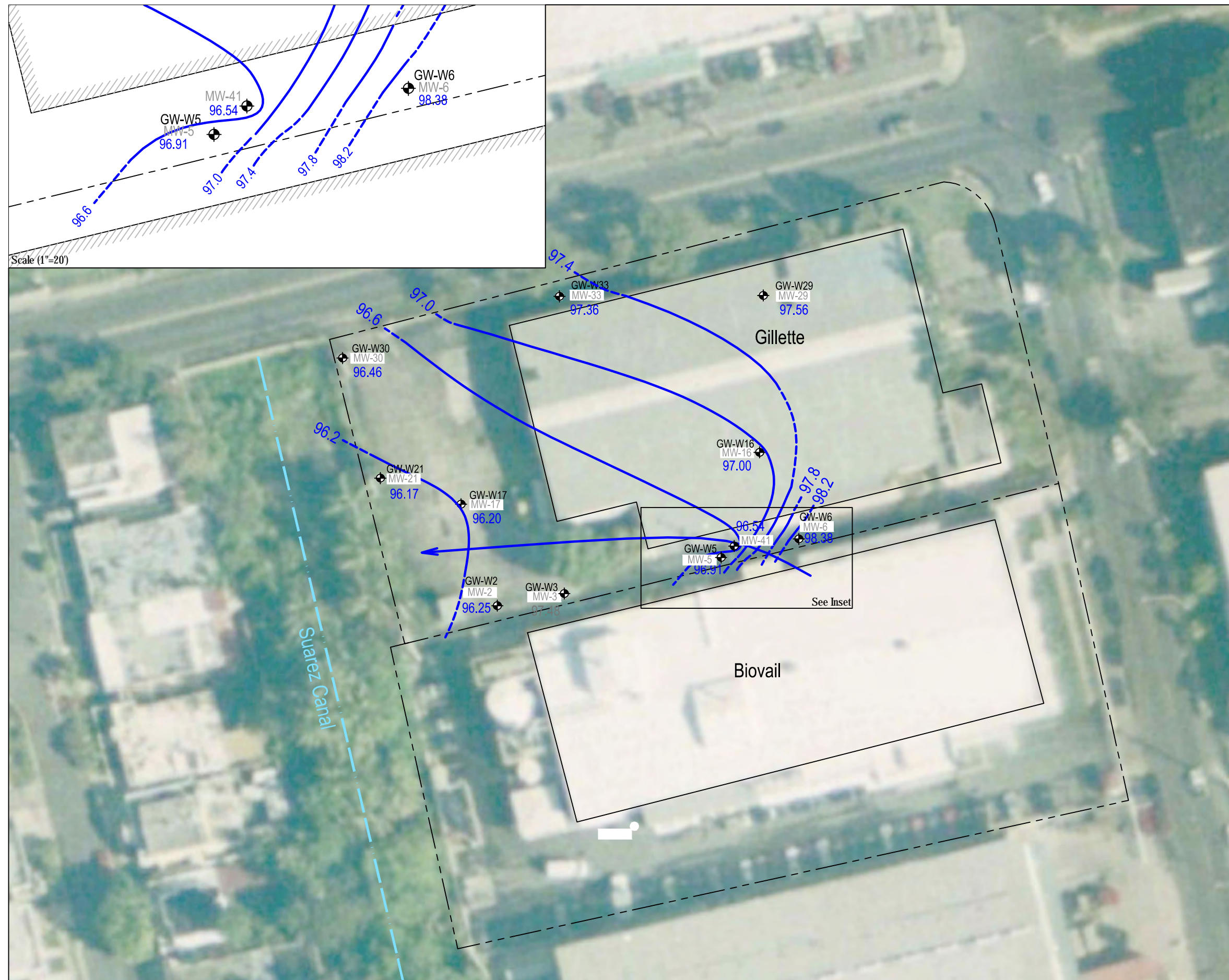


Figure 2 - Site Map
Sabana Abajo, Carolina, Puerto Rico





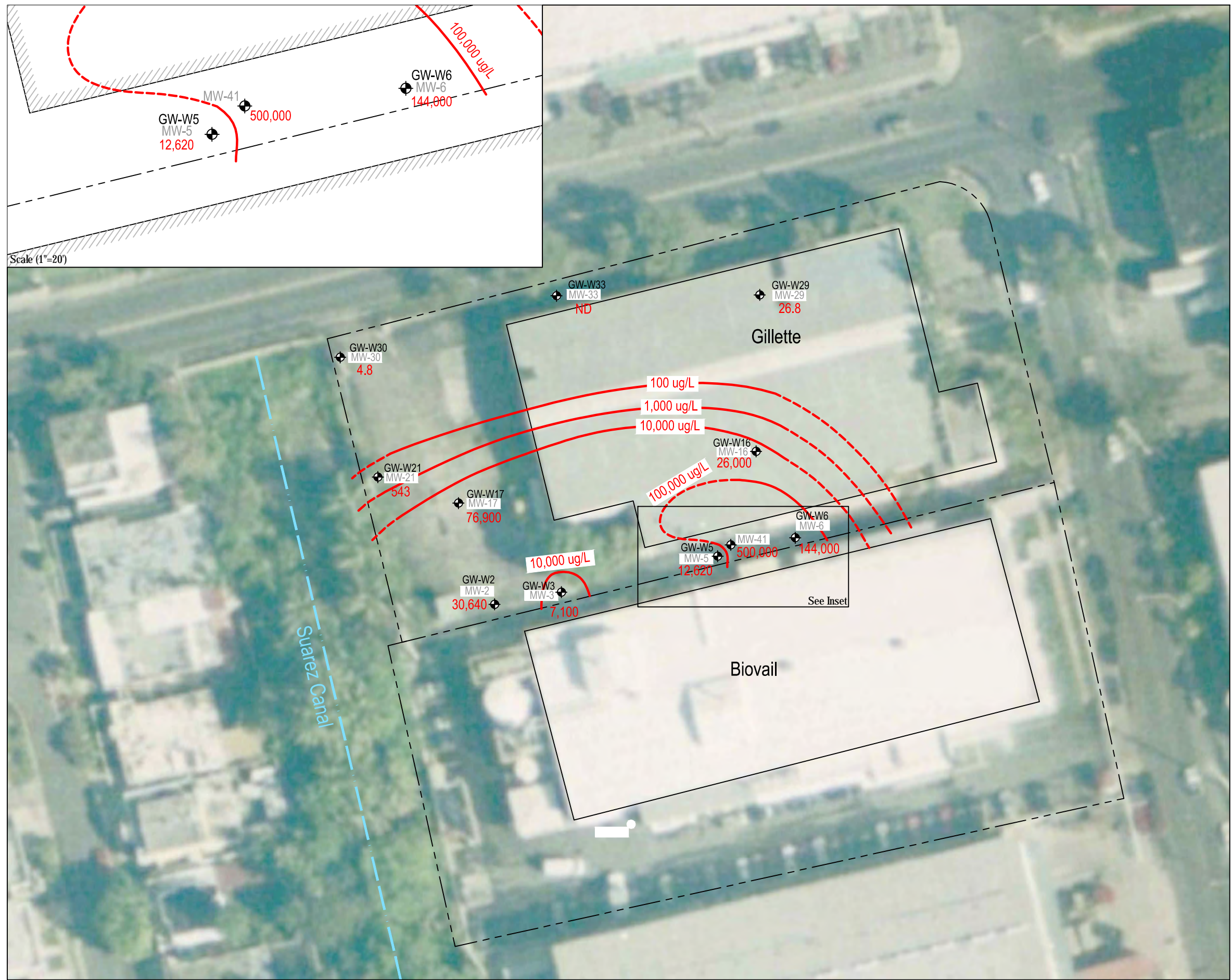
Legend

- Monitoring Well Location
- EPA Monitoring Well ID
- Monitoring Well ID by Others
- Property Boundary
- Lined Canal
- Building Outline
- 96.07 Groundwater Elevation (feet)
- 97.48 Groundwater Elevation Excluded
- Groundwater Elevation Contour
- Inferred Groundwater Elevation Contour
- Groundwater Flow Direction

Note:
Survey elevations established by EPA subcontractor in 2006 and reference an arbitrary site datum.

Figure 3 - Groundwater Elevation Contours
14 November 2012
Sabana Abajo, Carolina, Puerto Rico





Legend

- Monitoring Well Location
- MW-6 EPA Monitoring Well ID
- GW-W6 Monitoring Well ID by Others
- Property Boundary
- Lined Canal
- Building Outline
- 26.8 Total CVOC Concentration in Groundwater (ug/L)
- ND Non-detect
- Total CVOC Concentration Contour
- Inferred Total CVOC Concentration Contour

Note:
CVOC = Chlorinated Volatile Organic Compound

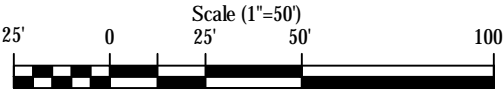
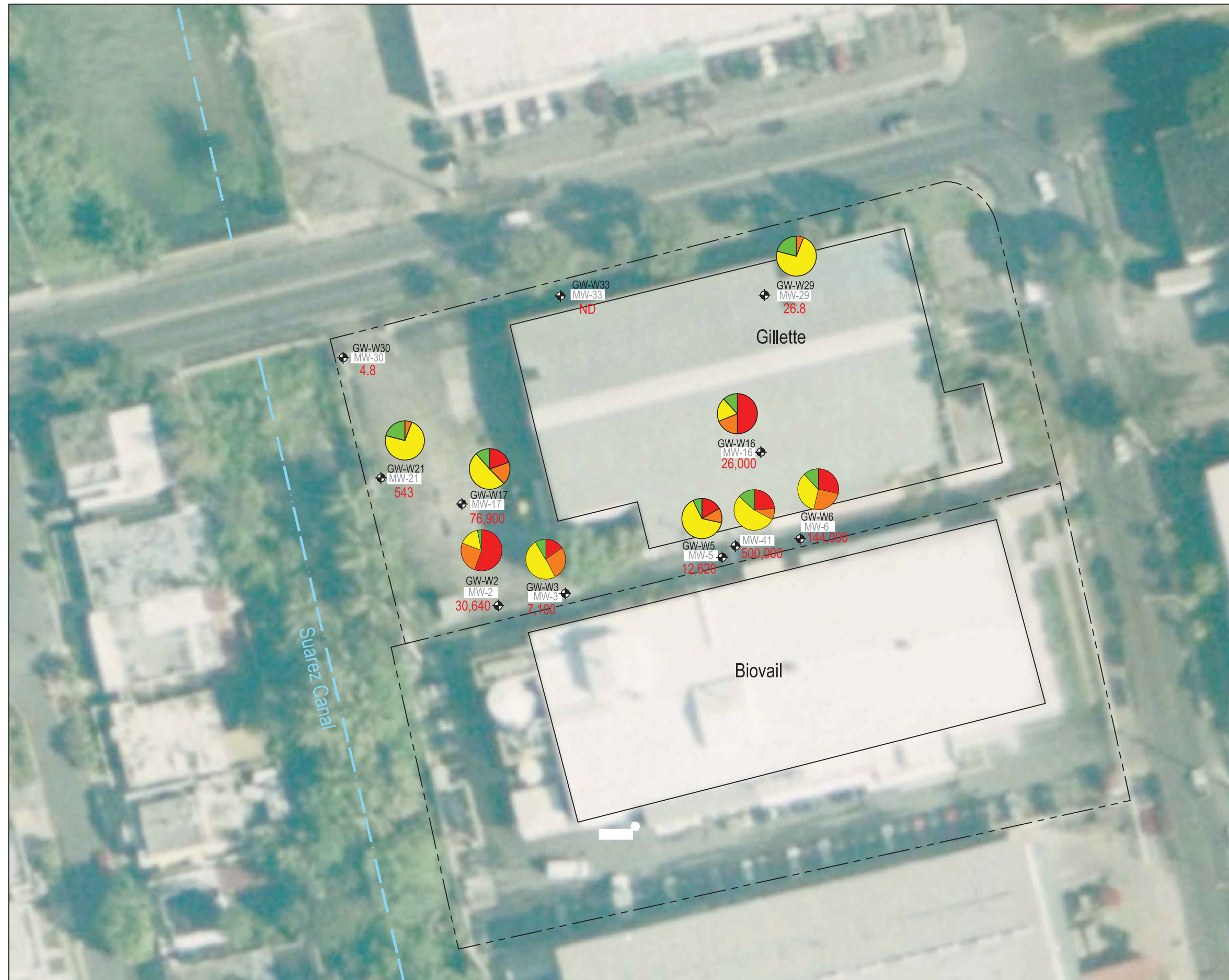


Figure 4 - Total CVOC Concentration in Groundwater
November 2012
Sabana Abajo, Carolina, Puerto Rico





Legend

- Monitoring Well Location
- MW-6 EPA Monitoring Well ID
- GW-W6 Monitoring Well ID by Others
- Property Boundary
- Lined Canal
- Building Outline
- 26.8 Total CVOC Concentration in Groundwater (ug/L)
- ND Non-detect

VOC (ethenes) Speciation

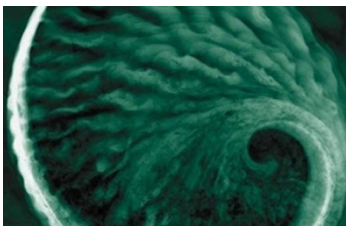
Vinyl Chloride Tetrachloroethene
cis1,2-DCE Trichloroethene

Note:
CVOC = Chlorinated Volatile Organic Compound

Figure 5 - Groundwater VOC Speciation
November 2012
Sabana Abajo, Carolina, Puerto Rico



APPENDIX A - SOIL VAPOR LABORATORY ANALYTICAL REPORT





ANALYTICAL REPORT

Lab Number:	L1219861
Client:	ERM Consulting & Engineering, Inc. 1 Beacon Street 5th Floor Boston, MA 02108
ATTN:	Johannes Mark
Phone:	(617) 646-7853
Project Name:	GILLETTE P&G
Project Number:	0176149
Report Date:	11/09/12

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: GILLETTE P&G
Project Number: 0176149

Lab Number: L1219861
Report Date: 11/09/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1219861-01	SS-02A-20121031-01	CAROLINA, PUERTO RICO	10/31/12 18:15
L1219861-02	SS-03A-20121031-01	CAROLINA, PUERTO RICO	10/31/12 17:50
L1219861-03	DUP-002-20121031-01	CAROLINA, PUERTO RICO	10/31/12 17:00
L1219861-04	SS-05A-20121031-01	CAROLINA, PUERTO RICO	10/31/12 18:05

Project Name: GILLETTE P&G
Project Number: 0176149

Lab Number: L1219861
Report Date: 11/09/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GILLETTE P&G
Project Number: 0176149

Lab Number: L1219861
Report Date: 11/09/12

Case Narrative (continued)

Volatile Organics in Air (SIM)

Canisters were released from the laboratory on October 22, 2012.


The canister certification results are provided as an addendum.

L1219861-01 The RPD of the pre- and post-flow controller calibration check (200% RPD) was outside acceptable limits (< or = 20% RPD).

L1219861-01 through-04 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Kathleen O'Brien

Title: Technical Director/Representative

Date: 11/09/12

AIR

Project Name: GILLETTE P&G**Lab Number:** L1219861**Project Number:** 0176149**Report Date:** 11/09/12**SAMPLE RESULTS**

Lab ID: L1219861-01 D
Client ID: SS-02A-20121031-01
Sample Location: CAROLINA, PUERTO RICO
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/03/12 08:51
Analyst: MB

Date Collected: 10/31/12 18:15
Date Received: 11/02/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.664	0.040	--	1.70	0.102	--		2
cis-1,2-Dichloroethene	2.04	0.040	--	8.09	0.158	--		2
Benzene	0.576	0.200	--	1.84	0.639	--		2
Trichloroethene	9.36	0.040	--	50.3	0.215	--		2
Toluene	9.60	0.100	--	36.2	0.377	--		2
Tetrachloroethene	8.47	0.040	--	57.4	0.271	--		2
Ethylbenzene	0.878	0.040	--	3.81	0.174	--		2
p/m-Xylene	3.67	0.080	--	15.9	0.347	--		2
o-Xylene	1.43	0.040	--	6.21	0.174	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	96		60-140

Project Name: GILLETTE P&G**Lab Number:** L1219861**Project Number:** 0176149**Report Date:** 11/09/12**SAMPLE RESULTS**

Lab ID: L1219861-02 D
 Client ID: SS-03A-20121031-01
 Sample Location: CAROLINA, PUERTO RICO
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 11/03/12 09:22
 Analyst: MB

Date Collected: 10/31/12 17:50
 Date Received: 11/02/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.702	0.040	--	1.79	0.102	--		2
cis-1,2-Dichloroethene	6.57	0.040	--	26.0	0.158	--		2
Benzene	0.338	0.200	--	1.08	0.639	--		2
Trichloroethene	1.58	0.040	--	8.49	0.215	--		2
Toluene	10.5	0.100	--	39.6	0.377	--		2
Tetrachloroethene	0.412	0.040	--	2.79	0.271	--		2
Ethylbenzene	0.780	0.040	--	3.39	0.174	--		2
p/m-Xylene	3.33	0.080	--	14.5	0.347	--		2
o-Xylene	1.39	0.040	--	6.04	0.174	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140



Project Name: GILLETTE P&G**Lab Number:** L1219861**Project Number:** 0176149**Report Date:** 11/09/12**SAMPLE RESULTS**

Lab ID: L1219861-03 D
Client ID: DUP-002-20121031-01
Sample Location: CAROLINA, PUERTO RICO
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/03/12 09:52
Analyst: MB

Date Collected: 10/31/12 17:00
Date Received: 11/02/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	0.692	0.040	--	1.77	0.102	--		2
cis-1,2-Dichloroethene	6.59	0.040	--	26.1	0.158	--		2
Benzene	0.304	0.200	--	0.971	0.639	--		2
Trichloroethene	1.57	0.040	--	8.44	0.215	--		2
Toluene	9.95	0.100	--	37.5	0.377	--		2
Tetrachloroethene	0.420	0.040	--	2.85	0.271	--		2
Ethylbenzene	0.602	0.040	--	2.61	0.174	--		2
p/m-Xylene	2.52	0.080	--	10.9	0.347	--		2
o-Xylene	1.10	0.040	--	4.78	0.174	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	103		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	101		60-140



Project Name: GILLETTE P&G**Lab Number:** L1219861**Project Number:** 0176149**Report Date:** 11/09/12**SAMPLE RESULTS**

Lab ID: L1219861-04 D
Client ID: SS-05A-20121031-01
Sample Location: CAROLINA, PUERTO RICO
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 11/03/12 10:22
Analyst: MB

Date Collected: 10/31/12 18:05
Date Received: 11/02/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Vinyl chloride	ND	0.040	--	ND	0.102	--		2
cis-1,2-Dichloroethene	ND	0.040	--	ND	0.158	--		2
Benzene	0.654	0.200	--	2.09	0.639	--		2
Trichloroethene	ND	0.040	--	ND	0.215	--		2
Toluene	23.6	0.100	--	88.9	0.377	--		2
Tetrachloroethene	0.132	0.040	--	0.895	0.271	--		2
Ethylbenzene	1.01	0.040	--	4.39	0.174	--		2
p/m-Xylene	3.93	0.080	--	17.1	0.347	--		2
o-Xylene	1.75	0.040	--	7.60	0.174	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	108		60-140
bromochloromethane	106		60-140
chlorobenzene-d5	107		60-140



Project Name: GILLETTE P&G

Lab Number: L1219861

Project Number: 0176149

Report Date: 11/09/12

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 11/02/12 17:27

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-04 Batch: WG571605-4								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: GILLETTE P&G

Lab Number: L1219861

Project Number: 0176149

Report Date: 11/09/12

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 11/02/12 17:27

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-04 Batch: WG571605-4								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1



Project Name: GILLETTE P&G

Lab Number: L1219861

Project Number: 0176149

Report Date: 11/09/12

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15-SIM

Analytical Date: 11/02/12 17:27

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-04 Batch: WG571605-4								
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: GILLETTE P&G

Project Number: 0176149

Lab Number: L1219861

Report Date: 11/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 Batch: WG571605-3								
Dichlorodifluoromethane	91		-		70-130	-		25
Chloromethane	92		-		70-130	-		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	122		-		70-130	-		25
Vinyl chloride	101		-		70-130	-		25
1,3-Butadiene	102		-		70-130	-		25
Bromomethane	107		-		70-130	-		25
Chloroethane	101		-		70-130	-		25
Acetone	83		-		70-130	-		25
Trichlorofluoromethane	100		-		70-130	-		25
Acrylonitrile	88		-		70-130	-		25
1,1-Dichloroethene	102		-		70-130	-		25
Methylene chloride	97		-		70-130	-		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	112		-		70-130	-		25
Halothane	97		-		70-130	-		25
trans-1,2-Dichloroethene	90		-		70-130	-		25
1,1-Dichloroethane	104		-		70-130	-		25
Methyl tert butyl ether	97		-		70-130	-		25
2-Butanone	118		-		70-130	-		25
cis-1,2-Dichloroethene	116		-		70-130	-		25
Chloroform	112		-		70-130	-		25
1,2-Dichloroethane	85		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: GILLETTE P&G

Project Number: 0176149

Lab Number: L1219861

Report Date: 11/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 Batch: WG571605-3								
1,1,1-Trichloroethane	98		-		70-130	-		25
Benzene	95		-		70-130	-		25
Carbon tetrachloride	97		-		70-130	-		25
1,2-Dichloropropane	96		-		70-130	-		25
Bromodichloromethane	95		-		70-130	-		25
Trichloroethene	103		-		70-130	-		25
1,4-Dioxane	95		-		70-130	-		25
cis-1,3-Dichloropropene	103		-		70-130	-		25
4-Methyl-2-pentanone	88		-		70-130	-		25
trans-1,3-Dichloropropene	90		-		70-130	-		25
1,1,2-Trichloroethane	109		-		70-130	-		25
Toluene	112		-		70-130	-		25
Dibromochloromethane	110		-		70-130	-		25
1,2-Dibromoethane	122		-		70-130	-		25
Tetrachloroethene	123		-		70-130	-		25
1,1,1,2-Tetrachloroethane	99		-		70-130	-		25
Chlorobenzene	121		-		70-130	-		25
Ethylbenzene	115		-		70-130	-		25
p/m-Xylene	116		-		70-130	-		25
Bromoform	119		-		70-130	-		25
Styrene	118		-		70-130	-		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: GILLETTE P&G

Project Number: 0176149

Lab Number: L1219861

Report Date: 11/09/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 Batch: WG571605-3								
1,1,2,2-Tetrachloroethane	125		-		70-130	-		25
o-Xylene	119		-		70-130	-		25
Isopropylbenzene	108		-		70-130	-		25
1,3,5-Trimethylbenzene	125		-		70-130	-		25
1,2,4-Trimethylbenzene	128		-		70-130	-		25
1,3-Dichlorobenzene	133	Q	-		70-130	-		25
1,4-Dichlorobenzene	132	Q	-		70-130	-		25
sec-Butylbenzene	110		-		70-130	-		25
p-Isopropyltoluene	104		-		70-130	-		25
1,2-Dichlorobenzene	133	Q	-		70-130	-		25
n-Butylbenzene	112		-		70-130	-		25
1,2,4-Trichlorobenzene	154	Q	-		70-130	-		25
Naphthalene	123		-		70-130	-		25
1,2,3-Trichlorobenzene	131	Q	-		70-130	-		25
Hexachlorobutadiene	146	Q	-		70-130	-		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: GILLETTE P&G

Project Number: 0176149

Lab Number: L1219861

Report Date: 11/09/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG571605-5 QC Sample: L1219593-01 Client ID: DUP Sample						
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	0.029	0.029	ppbV	0		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	0.103	0.100	ppbV	3		25
Benzene	0.102	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
Tetrachloroethene	ND	ND	ppbV	NC		25
Ethylbenzene	0.052	0.052	ppbV	0		25
Naphthalene	ND	ND	ppbV	NC		25

Project Name: GILLETTE P&G

Serial_No:11091214:32
Lab Number: L1219861

Project Number: 0176149

Report Date: 11/09/12

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1219861-01	SS-02A-20121031-01	0205	#20 SV	10/22/12	82514		-	-	-	Pass	17.8	0.0	200
L1219861-01	SS-02A-20121031-01	393	2.7L Can	10/22/12	82514	L1218642-01	Pass	-29.4	-7.7	-	-	-	-
L1219861-02	SS-03A-20121031-01	0016	#20 AMB	10/22/12	82514		-	-	-	Pass	18.0	17.5	3
L1219861-02	SS-03A-20121031-01	483	2.7L Can	10/22/12	82514	L1218642-01	Pass	-29.4	-6.4	-	-	-	-
L1219861-03	DUP-002-20121031-01	0174	#20 SV	10/22/12	82514		-	-	-	Pass	18.0	20.0	11
L1219861-03	DUP-002-20121031-01	512	2.7L Can	10/22/12	82514	L1218642-01	Pass	-29.4	-4.3	-	-	-	-
L1219861-04	SS-05A-20121031-01	0486	#20 SV	10/22/12	82514		-	-	-	Pass	17.8	19.5	9
L1219861-04	SS-05A-20121031-01	489	2.7L Can	10/22/12	82514	L1218642-01	Pass	-28.4	-10.4	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1218642
Report Date: 11/09/12

Air Canister Certification Results

Lab ID: L1218642-01
Client ID: CAN 149B SHELF 8
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 10/17/12 19:14
Analyst: RY

Date Collected: 10/16/12 16:09
Date Received: 10/17/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.361	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1218642
Report Date: 11/09/12

Air Canister Certification Results

Lab ID: L1218642-01
Client ID: CAN 149B SHELF 8
Sample Location:

Date Collected: 10/16/12 16:09
Date Received: 10/17/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.590	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.590	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1218642**Project Number:** CANISTER QC BAT**Report Date:** 11/09/12**Air Canister Certification Results**

Lab ID: L1218642-01

Date Collected: 10/16/12 16:09

Client ID: CAN 149B SHELF 8

Date Received: 10/17/12

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.820	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1218642**Project Number:** CANISTER QC BAT**Report Date:** 11/09/12**Air Canister Certification Results**

Lab ID: L1218642-01

Date Collected: 10/16/12 16:09

Client ID: CAN 149B SHELF 8

Date Received: 10/17/12

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1218642**Project Number:** CANISTER QC BAT**Report Date:** 11/09/12**Air Canister Certification Results**

Lab ID: L1218642-01

Date Collected: 10/16/12 16:09

Client ID: CAN 149B SHELF 8

Date Received: 10/17/12

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1218642
Report Date: 11/09/12

Air Canister Certification Results

Lab ID: L1218642-01
 Client ID: CAN 149B SHELF 8
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 10/17/12 19:14
 Analyst: RY

Date Collected: 10/16/12 16:09
 Date Received: 10/17/12
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1218642
Report Date: 11/09/12

Air Canister Certification Results

Lab ID: L1218642-01
Client ID: CAN 149B SHELF 8
Sample Location:

Date Collected: 10/16/12 16:09
Date Received: 10/17/12
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1218642**Project Number:** CANISTER QC BAT**Report Date:** 11/09/12**Air Canister Certification Results**

Lab ID: L1218642-01

Date Collected: 10/16/12 16:09

Client ID: CAN 149B SHELF 8

Date Received: 10/17/12

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	100		60-140
chlorobenzene-d5	96		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1218642**Project Number:** CANISTER QC BAT**Report Date:** 11/09/12**AIR CAN CERTIFICATION RESULTS**

Lab ID: L1218642-01
Client ID: CAN 149B SHELF 8
Sample Location: Not Specified
Matrix: Air
Analytical Method: 96,APH
Analytical Date: 10/17/12 19:14
Analyst: MB

Date Collected: 10/16/12 16:09
Date Received: 10/17/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Toluene	ND		ug/m3	2.0	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: GILLETTE P&G**Lab Number:** L1219861**Project Number:** 0176149**Report Date:** 11/09/12**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Reagent H2O Preserved Vials Frozen on: NA**Cooler Information Custody Seal****Cooler**

NA Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1219861-01A	Canister - 2.7 Liter	NA	NA	NA	NA	Present/Intact	TO15-SIM(30)
L1219861-02A	Canister - 2.7 Liter	NA	NA	NA	NA	Present/Intact	TO15-SIM(30)
L1219861-03A	Canister - 2.7 Liter	NA	NA	NA	NA	Present/Intact	TO15-SIM(30)
L1219861-04A	Canister - 2.7 Liter	NA	NA	NA	NA	Present/Intact	TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name: GILLETTE P&G**Lab Number:** L1219861**Project Number:** 0176149**Report Date:** 11/09/12

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: Data Usability Report



Project Name: GILLETTE P&G
Project Number: 0176149

Lab Number: L1219861
Report Date: 11/09/12

Data Qualifiers

due to obvious interference.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: GILLETTE P&G
Project Number: 0176149

Lab Number: L1219861
Report Date: 11/09/12

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised August 3, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held. For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable). Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc, Total Organic Carbon, Corrosivity, TCLP 1311, SPLP 1312. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020A, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050B, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: EPA 180.1, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B, 3020A, . Organic Parameters: EPA 3510C, 3630C, 3640A, 3660B, 8081B, 8082A, 8270C, 8270D, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 3050B, 3051A, 6020A, 7471B, 9040B, 9045C. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. *NELAP Accredited.*

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3020A, SM2320B, SM2540D, 2540G, 4500H-B, EPA 180.1, 1631E, SW-846 7470A, 9040C, 6020A, 9050A. Organic Parameters: SW-846 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 6020A, 7471B, 7474, 9040B, 9040C, 9045C, 9045D, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8081B, 8082A, 8270C, 8270D, 8015D.)

Atmospheric Organic Parameters (EPA 3C, TO-15, TO-10A, TO-13A-SIM.)

Biological Tissue (Inorganic Parameters: SW-846 6020A. Organic Parameters: SW-846 8270C, 8270D, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, 6020A, 1631E, 7470A, 9050A, EPA 180.1, 3020A. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 3510C.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474, 9040C, 9045D. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 1311, 3050B, 3580A, 3570, 3051A.)

Air & Emissions (EPA TO-15, TO-10A.)

Pennsylvania Certificate/Lab ID: 68-02089 **NELAP Accredited**

Non-Potable Water (Inorganic Parameters: 1312, 1631E, 180.1, 3020A, 6020A, 7470A, 9040B, 9050A, 2320B, 2540D, 2540G, SM4500H+-B. Organic Parameters: 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3051A, 6020A, 7471B, 7474 9040B, 9045C, 9060. Organic Parameters: EPA3050B, 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8270D, 8081B, 8015D, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. **NELAP Accredited via NJ-DEP.**

Refer to NJ-DEP Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. **NELAP Accredited.**

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters:EPA 3020A, 6020A, 245.7, 9040B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051, 9060. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015, 8270.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH, 8082A, 8081B, 8015D-SHC, 8015D.)

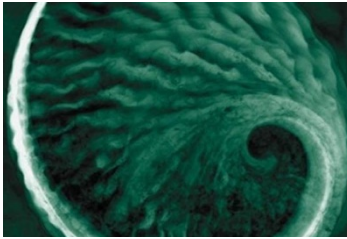
Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH 8082A, 8081B, 8015D-SHC, 8015D.)

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C**: Biphenyl. **TO-15**: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

**APPENDIX B -
GROUNDWATER
LABORATORY
ANALYTICAL REPORT**





ANALYTICAL REPORT

Lab Number:	L1219998
Client:	ERM Consulting & Engineering, Inc. 1 Beacon Street 5th Floor Boston, MA 02108
ATTN:	Johannes Mark
Phone:	(617) 646-7853
Project Name:	GILLETTE P+G
Project Number:	0176149
Report Date:	11/13/12

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: GILLETTE P+G
Project Number: 0176149

Lab Number: L1219998
Report Date: 11/13/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1219998-01	MW-29-20121031-01	CAROLINA, PR	10/31/12 10:33
L1219998-02	EB-01-20121031-01	CAROLINA, PR	10/31/12 12:10
L1219998-03	TB-001	CAROLINA, PR	10/31/12 00:00
L1219998-04	MW-16-20121031-01	CAROLINA, PR	10/31/12 13:55
L1219998-05	DUP-001-20121031-01	CAROLINA, PR	10/31/12 11:11
L1219998-06	MW-33-20121031-01	CAROLINA, PR	10/31/12 16:47
L1219998-07	MW-30-20121101-01	CAROLINA, PR	11/01/12 09:32
L1219998-08	MW-21-20121101-01	CAROLINA, PR	11/01/12 10:58
L1219998-09	MW-17-20121101-01	CAROLINA, PR	11/01/12 12:25
L1219998-10	MW-2-20121101-01	CAROLINA, PR	11/01/12 15:49
L1219998-11	MW-3-20121102-01	CAROLINA, PR	11/02/12 09:15
L1219998-12	MW-5-20121102-01	CAROLINA, PR	11/02/12 10:55
L1219998-13	MW-41-20121102-01	CAROLINA, PR	11/02/12 16:10
L1219998-14	MW-6-20121102-01	CAROLINA, PR	11/02/12 15:05

Project Name: GILLETTE P+G
Project Number: 0176149

Lab Number: L1219998
Report Date: 11/13/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: GILLETTE P+G
Project Number: 0176149

Lab Number: L1219998
Report Date: 11/13/12

Case Narrative (continued)

Volatile Organics

The WG573106-5 MSD recoveries, performed on L1219998-09, are below the acceptance criteria for Tetrachloroethene (35%) and Trichloroethene (55%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the sample utilized for the MS/MSD.

The WG573106-4/-5 MS/MSD recoveries, performed on L1219998-09, are outside the acceptance criteria for cis-1,2-Dichloroethene (177%/68%) and should be considered estimated due to the concentration of this compound exceeding the calibration range.

The WG573106-4/-5 MS/MSD recoveries, performed on L1219998-09, were below the acceptance criteria for 2,2-Dichloropropane (61%/60%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Kelly Stenstrom

Title: Technical Director/Representative

Date: 11/13/12

ORGANICS

VOLATILES

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-01
Client ID: MW-29-20121031-01
Sample Location: CAROLINA, PR
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/08/12 13:42
Analyst: PD

Date Collected: 10/31/12 10:33
Date Received: 11/06/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	2.7		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	4.3		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	2.4		ug/l	0.50	--	1
trans-1,2-Dichloroethene	1.2		ug/l	0.75	--	1
Trichloroethene	1.2		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-01
 Client ID: MW-29-20121031-01
 Sample Location: CAROLINA, PR

Date Collected: 10/31/12 10:33
 Date Received: 11/06/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	15		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,4-Dichlorobutane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	13		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-01

Date Collected: 10/31/12 10:33

Client ID: MW-29-20121031-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-02
Client ID: EB-01-20121031-01
Sample Location: CAROLINA, PR
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/08/12 14:17
Analyst: PD

Date Collected: 10/31/12 12:10
Date Received: 11/06/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-02
 Client ID: EB-01-20121031-01
 Sample Location: CAROLINA, PR

Date Collected: 10/31/12 12:10
 Date Received: 11/06/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,4-Dichlorobutane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-02
 Client ID: EB-01-20121031-01
 Sample Location: CAROLINA, PR

Date Collected: 10/31/12 12:10
 Date Received: 11/06/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	96		70-130

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-03
Client ID: TB-001
Sample Location: CAROLINA, PR
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/09/12 14:06
Analyst: PD

Date Collected: 10/31/12 00:00
Date Received: 11/06/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-03
 Client ID: TB-001
 Sample Location: CAROLINA, PR

Date Collected: 10/31/12 00:00
 Date Received: 11/06/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,4-Dichlorobutane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-03
 Client ID: TB-001
 Sample Location: CAROLINA, PR

Date Collected: 10/31/12 00:00
 Date Received: 11/06/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	95		70-130

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-04 D
Client ID: MW-16-20121031-01
Sample Location: CAROLINA, PR
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/08/12 16:03
Analyst: PD

Date Collected: 10/31/12 13:55
Date Received: 11/06/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	600	--	200
1,1-Dichloroethane	ND		ug/l	150	--	200
Chloroform	ND		ug/l	150	--	200
Carbon tetrachloride	ND		ug/l	100	--	200
1,2-Dichloropropane	ND		ug/l	350	--	200
Dibromochloromethane	ND		ug/l	100	--	200
1,1,2-Trichloroethane	ND		ug/l	150	--	200
Tetrachloroethene	13000		ug/l	100	--	200
Chlorobenzene	ND		ug/l	100	--	200
Trichlorofluoromethane	ND		ug/l	500	--	200
1,2-Dichloroethane	ND		ug/l	100	--	200
1,1,1-Trichloroethane	ND		ug/l	100	--	200
Bromodichloromethane	ND		ug/l	100	--	200
trans-1,3-Dichloropropene	ND		ug/l	100	--	200
cis-1,3-Dichloropropene	ND		ug/l	100	--	200
1,1-Dichloropropene	ND		ug/l	500	--	200
Bromoform	ND		ug/l	400	--	200
1,1,2,2-Tetrachloroethane	ND		ug/l	100	--	200
Benzene	ND		ug/l	100	--	200
Toluene	ND		ug/l	150	--	200
Ethylbenzene	ND		ug/l	100	--	200
Chloromethane	ND		ug/l	500	--	200
Bromomethane	ND		ug/l	200	--	200
Vinyl chloride	3100		ug/l	200	--	200
Chloroethane	ND		ug/l	200	--	200
1,1-Dichloroethene	ND		ug/l	100	--	200
trans-1,2-Dichloroethene	ND		ug/l	150	--	200
Trichloroethene	4900		ug/l	100	--	200
1,2-Dichlorobenzene	ND		ug/l	500	--	200
1,3-Dichlorobenzene	ND		ug/l	500	--	200
1,4-Dichlorobenzene	ND		ug/l	500	--	200

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-04 D

Date Collected: 10/31/12 13:55

Client ID: MW-16-20121031-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	200	--	200
p/m-Xylene	ND		ug/l	200	--	200
o-Xylene	ND		ug/l	200	--	200
Xylenes, Total	ND		ug/l	200	--	200
cis-1,2-Dichloroethene	5000		ug/l	100	--	200
Dibromomethane	ND		ug/l	1000	--	200
1,4-Dichlorobutane	ND		ug/l	1000	--	200
1,2,3-Trichloropropane	ND		ug/l	1000	--	200
Styrene	ND		ug/l	200	--	200
Dichlorodifluoromethane	ND		ug/l	1000	--	200
Acetone	ND		ug/l	1000	--	200
Carbon disulfide	ND		ug/l	1000	--	200
2-Butanone	ND		ug/l	1000	--	200
Vinyl acetate	ND		ug/l	1000	--	200
4-Methyl-2-pentanone	ND		ug/l	1000	--	200
2-Hexanone	ND		ug/l	1000	--	200
Ethyl methacrylate	ND		ug/l	1000	--	200
Acrylonitrile	ND		ug/l	1000	--	200
Bromochloromethane	ND		ug/l	500	--	200
Tetrahydrofuran	ND		ug/l	1000	--	200
2,2-Dichloropropane	ND		ug/l	500	--	200
1,2-Dibromoethane	ND		ug/l	400	--	200
1,3-Dichloropropane	ND		ug/l	500	--	200
1,1,1,2-Tetrachloroethane	ND		ug/l	100	--	200
Bromobenzene	ND		ug/l	500	--	200
n-Butylbenzene	ND		ug/l	100	--	200
sec-Butylbenzene	ND		ug/l	100	--	200
tert-Butylbenzene	ND		ug/l	500	--	200
o-Chlorotoluene	ND		ug/l	500	--	200
p-Chlorotoluene	ND		ug/l	500	--	200
1,2-Dibromo-3-chloropropane	ND		ug/l	500	--	200
Hexachlorobutadiene	ND		ug/l	100	--	200
Isopropylbenzene	ND		ug/l	100	--	200
p-Isopropyltoluene	ND		ug/l	100	--	200
Naphthalene	ND		ug/l	500	--	200
n-Propylbenzene	ND		ug/l	100	--	200
1,2,3-Trichlorobenzene	ND		ug/l	500	--	200
1,2,4-Trichlorobenzene	ND		ug/l	500	--	200
1,3,5-Trimethylbenzene	ND		ug/l	500	--	200

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-04 D

Date Collected: 10/31/12 13:55

Client ID: MW-16-20121031-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

1,2,4-Trimethylbenzene	ND		ug/l	500	--	200
trans-1,4-Dichloro-2-butene	ND		ug/l	500	--	200
Ethyl ether	ND		ug/l	500	--	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	96		70-130

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-05 D
Client ID: DUP-001-20121031-01
Sample Location: CAROLINA, PR
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/08/12 16:38
Analyst: PD

Date Collected: 10/31/12 11:11
Date Received: 11/06/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	600	--	200
1,1-Dichloroethane	ND		ug/l	150	--	200
Chloroform	ND		ug/l	150	--	200
Carbon tetrachloride	ND		ug/l	100	--	200
1,2-Dichloropropane	ND		ug/l	350	--	200
Dibromochloromethane	ND		ug/l	100	--	200
1,1,2-Trichloroethane	ND		ug/l	150	--	200
Tetrachloroethene	12000		ug/l	100	--	200
Chlorobenzene	ND		ug/l	100	--	200
Trichlorofluoromethane	ND		ug/l	500	--	200
1,2-Dichloroethane	ND		ug/l	100	--	200
1,1,1-Trichloroethane	ND		ug/l	100	--	200
Bromodichloromethane	ND		ug/l	100	--	200
trans-1,3-Dichloropropene	ND		ug/l	100	--	200
cis-1,3-Dichloropropene	ND		ug/l	100	--	200
1,1-Dichloropropene	ND		ug/l	500	--	200
Bromoform	ND		ug/l	400	--	200
1,1,2,2-Tetrachloroethane	ND		ug/l	100	--	200
Benzene	ND		ug/l	100	--	200
Toluene	ND		ug/l	150	--	200
Ethylbenzene	ND		ug/l	100	--	200
Chloromethane	ND		ug/l	500	--	200
Bromomethane	ND		ug/l	200	--	200
Vinyl chloride	2900		ug/l	200	--	200
Chloroethane	ND		ug/l	200	--	200
1,1-Dichloroethene	ND		ug/l	100	--	200
trans-1,2-Dichloroethene	ND		ug/l	150	--	200
Trichloroethene	4500		ug/l	100	--	200
1,2-Dichlorobenzene	ND		ug/l	500	--	200
1,3-Dichlorobenzene	ND		ug/l	500	--	200
1,4-Dichlorobenzene	ND		ug/l	500	--	200

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-05 D

Date Collected: 10/31/12 11:11

Client ID: DUP-001-20121031-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	200	--	200
p/m-Xylene	ND		ug/l	200	--	200
o-Xylene	ND		ug/l	200	--	200
Xylenes, Total	ND		ug/l	200	--	200
cis-1,2-Dichloroethene	4700		ug/l	100	--	200
Dibromomethane	ND		ug/l	1000	--	200
1,4-Dichlorobutane	ND		ug/l	1000	--	200
1,2,3-Trichloropropane	ND		ug/l	1000	--	200
Styrene	ND		ug/l	200	--	200
Dichlorodifluoromethane	ND		ug/l	1000	--	200
Acetone	ND		ug/l	1000	--	200
Carbon disulfide	ND		ug/l	1000	--	200
2-Butanone	ND		ug/l	1000	--	200
Vinyl acetate	ND		ug/l	1000	--	200
4-Methyl-2-pentanone	ND		ug/l	1000	--	200
2-Hexanone	ND		ug/l	1000	--	200
Ethyl methacrylate	ND		ug/l	1000	--	200
Acrylonitrile	ND		ug/l	1000	--	200
Bromochloromethane	ND		ug/l	500	--	200
Tetrahydrofuran	ND		ug/l	1000	--	200
2,2-Dichloropropane	ND		ug/l	500	--	200
1,2-Dibromoethane	ND		ug/l	400	--	200
1,3-Dichloropropane	ND		ug/l	500	--	200
1,1,1,2-Tetrachloroethane	ND		ug/l	100	--	200
Bromobenzene	ND		ug/l	500	--	200
n-Butylbenzene	ND		ug/l	100	--	200
sec-Butylbenzene	ND		ug/l	100	--	200
tert-Butylbenzene	ND		ug/l	500	--	200
o-Chlorotoluene	ND		ug/l	500	--	200
p-Chlorotoluene	ND		ug/l	500	--	200
1,2-Dibromo-3-chloropropane	ND		ug/l	500	--	200
Hexachlorobutadiene	ND		ug/l	100	--	200
Isopropylbenzene	ND		ug/l	100	--	200
p-Isopropyltoluene	ND		ug/l	100	--	200
Naphthalene	ND		ug/l	500	--	200
n-Propylbenzene	ND		ug/l	100	--	200
1,2,3-Trichlorobenzene	ND		ug/l	500	--	200
1,2,4-Trichlorobenzene	ND		ug/l	500	--	200
1,3,5-Trimethylbenzene	ND		ug/l	500	--	200

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-05 D

Date Collected: 10/31/12 11:11

Client ID: DUP-001-20121031-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

1,2,4-Trimethylbenzene	ND		ug/l	500	--	200
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trans-1,4-Dichloro-2-butene	ND		ug/l	500	--	200
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Ethyl ether	ND		ug/l	500	--	200
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	94		70-130

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-06
Client ID: MW-33-20121031-01
Sample Location: CAROLINA, PR
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/08/12 14:53
Analyst: PD

Date Collected: 10/31/12 16:47
Date Received: 11/06/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-06
 Client ID: MW-33-20121031-01
 Sample Location: CAROLINA, PR

Date Collected: 10/31/12 16:47
 Date Received: 11/06/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,4-Dichlorobutane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	24		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-06
 Client ID: MW-33-20121031-01
 Sample Location: CAROLINA, PR

Date Collected: 10/31/12 16:47
 Date Received: 11/06/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	94		70-130

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-07
Client ID: MW-30-20121101-01
Sample Location: CAROLINA, PR
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/08/12 15:28
Analyst: PD

Date Collected: 11/01/12 09:32
Date Received: 11/06/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	1.2		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	3.6		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-07
 Client ID: MW-30-20121101-01
 Sample Location: CAROLINA, PR

Date Collected: 11/01/12 09:32
 Date Received: 11/06/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
Xylenes, Total	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,4-Dichlorobutane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-07
 Client ID: MW-30-20121101-01
 Sample Location: CAROLINA, PR

Date Collected: 11/01/12 09:32
 Date Received: 11/06/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	94		70-130

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-08 D
Client ID: MW-21-20121101-01
Sample Location: CAROLINA, PR
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/08/12 17:13
Analyst: PD

Date Collected: 11/01/12 10:58
Date Received: 11/06/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	15	--	5
1,1-Dichloroethane	ND		ug/l	3.8	--	5
Chloroform	ND		ug/l	3.8	--	5
Carbon tetrachloride	ND		ug/l	2.5	--	5
1,2-Dichloropropane	ND		ug/l	8.8	--	5
Dibromochloromethane	ND		ug/l	2.5	--	5
1,1,2-Trichloroethane	ND		ug/l	3.8	--	5
Tetrachloroethene	17		ug/l	2.5	--	5
Chlorobenzene	ND		ug/l	2.5	--	5
Trichlorofluoromethane	ND		ug/l	12	--	5
1,2-Dichloroethane	ND		ug/l	2.5	--	5
1,1,1-Trichloroethane	ND		ug/l	2.5	--	5
Bromodichloromethane	ND		ug/l	2.5	--	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	--	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	--	5
1,1-Dichloropropene	ND		ug/l	12	--	5
Bromoform	ND		ug/l	10	--	5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	--	5
Benzene	ND		ug/l	2.5	--	5
Toluene	ND		ug/l	3.8	--	5
Ethylbenzene	ND		ug/l	2.5	--	5
Chloromethane	ND		ug/l	12	--	5
Bromomethane	ND		ug/l	5.0	--	5
Vinyl chloride	64		ug/l	5.0	--	5
Chloroethane	ND		ug/l	5.0	--	5
1,1-Dichloroethene	ND		ug/l	2.5	--	5
trans-1,2-Dichloroethene	ND		ug/l	3.8	--	5
Trichloroethene	22		ug/l	2.5	--	5
1,2-Dichlorobenzene	ND		ug/l	12	--	5
1,3-Dichlorobenzene	ND		ug/l	12	--	5
1,4-Dichlorobenzene	ND		ug/l	12	--	5

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-08 D

Date Collected: 11/01/12 10:58

Client ID: MW-21-20121101-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	5.0	--	5
p/m-Xylene	ND		ug/l	5.0	--	5
o-Xylene	ND		ug/l	5.0	--	5
Xylenes, Total	ND		ug/l	5.0	--	5
cis-1,2-Dichloroethene	440		ug/l	2.5	--	5
Dibromomethane	ND		ug/l	25	--	5
1,4-Dichlorobutane	ND		ug/l	25	--	5
1,2,3-Trichloropropane	ND		ug/l	25	--	5
Styrene	ND		ug/l	5.0	--	5
Dichlorodifluoromethane	ND		ug/l	25	--	5
Acetone	ND		ug/l	25	--	5
Carbon disulfide	ND		ug/l	25	--	5
2-Butanone	ND		ug/l	25	--	5
Vinyl acetate	ND		ug/l	25	--	5
4-Methyl-2-pentanone	ND		ug/l	25	--	5
2-Hexanone	ND		ug/l	25	--	5
Ethyl methacrylate	ND		ug/l	25	--	5
Acrylonitrile	ND		ug/l	25	--	5
Bromochloromethane	ND		ug/l	12	--	5
Tetrahydrofuran	ND		ug/l	25	--	5
2,2-Dichloropropane	ND		ug/l	12	--	5
1,2-Dibromoethane	ND		ug/l	10	--	5
1,3-Dichloropropane	ND		ug/l	12	--	5
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	--	5
Bromobenzene	ND		ug/l	12	--	5
n-Butylbenzene	ND		ug/l	2.5	--	5
sec-Butylbenzene	ND		ug/l	2.5	--	5
tert-Butylbenzene	ND		ug/l	12	--	5
o-Chlorotoluene	ND		ug/l	12	--	5
p-Chlorotoluene	ND		ug/l	12	--	5
1,2-Dibromo-3-chloropropane	ND		ug/l	12	--	5
Hexachlorobutadiene	ND		ug/l	2.5	--	5
Isopropylbenzene	ND		ug/l	2.5	--	5
p-Isopropyltoluene	ND		ug/l	2.5	--	5
Naphthalene	ND		ug/l	12	--	5
n-Propylbenzene	ND		ug/l	2.5	--	5
1,2,3-Trichlorobenzene	ND		ug/l	12	--	5
1,2,4-Trichlorobenzene	ND		ug/l	12	--	5
1,3,5-Trimethylbenzene	ND		ug/l	12	--	5

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-08 D

Date Collected: 11/01/12 10:58

Client ID: MW-21-20121101-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

1,2,4-Trimethylbenzene	ND		ug/l	12	--	5
trans-1,4-Dichloro-2-butene	ND		ug/l	12	--	5
Ethyl ether	ND		ug/l	12	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	96		70-130

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-09 D2
 Client ID: MW-17-20121101-01
 Sample Location: CAROLINA, PR
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/12/12 12:19
 Analyst: PD

Date Collected: 11/01/12 12:25
 Date Received: 11/06/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
cis-1,2-Dichloroethene	39000		ug/l	500	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-09 D
Client ID: MW-17-20121101-01
Sample Location: CAROLINA, PR
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/08/12 17:48
Analyst: PD

Date Collected: 11/01/12 12:25
Date Received: 11/06/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	750	--	250
1,1-Dichloroethane	ND		ug/l	190	--	250
Chloroform	ND		ug/l	190	--	250
Carbon tetrachloride	ND		ug/l	120	--	250
1,2-Dichloropropane	ND		ug/l	440	--	250
Dibromochloromethane	ND		ug/l	120	--	250
1,1,2-Trichloroethane	ND		ug/l	190	--	250
Tetrachloroethene	15000		ug/l	120	--	250
Chlorobenzene	ND		ug/l	120	--	250
Trichlorofluoromethane	ND		ug/l	620	--	250
1,2-Dichloroethane	ND		ug/l	120	--	250
1,1,1-Trichloroethane	ND		ug/l	120	--	250
Bromodichloromethane	ND		ug/l	120	--	250
trans-1,3-Dichloropropene	ND		ug/l	120	--	250
cis-1,3-Dichloropropene	ND		ug/l	120	--	250
1,1-Dichloropropene	ND		ug/l	620	--	250
Bromoform	ND		ug/l	500	--	250
1,1,2,2-Tetrachloroethane	ND		ug/l	120	--	250
Benzene	ND		ug/l	120	--	250
Toluene	ND		ug/l	190	--	250
Ethylbenzene	ND		ug/l	120	--	250
Chloromethane	ND		ug/l	620	--	250
Bromomethane	ND		ug/l	250	--	250
Vinyl chloride	8900		ug/l	250	--	250
Chloroethane	ND		ug/l	250	--	250
1,1-Dichloroethene	ND		ug/l	120	--	250
trans-1,2-Dichloroethene	ND		ug/l	190	--	250
Trichloroethene	14000		ug/l	120	--	250
1,2-Dichlorobenzene	ND		ug/l	620	--	250
1,3-Dichlorobenzene	ND		ug/l	620	--	250
1,4-Dichlorobenzene	ND		ug/l	620	--	250

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-09 D

Date Collected: 11/01/12 12:25

Client ID: MW-17-20121101-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	250	--	250
p/m-Xylene	ND		ug/l	250	--	250
o-Xylene	ND		ug/l	250	--	250
Xylenes, Total	ND		ug/l	250	--	250
cis-1,2-Dichloroethene	30000	E	ug/l	120	--	250
Dibromomethane	ND		ug/l	1200	--	250
1,4-Dichlorobutane	ND		ug/l	1200	--	250
1,2,3-Trichloropropane	ND		ug/l	1200	--	250
Styrene	ND		ug/l	250	--	250
Dichlorodifluoromethane	ND		ug/l	1200	--	250
Acetone	ND		ug/l	1200	--	250
Carbon disulfide	ND		ug/l	1200	--	250
2-Butanone	ND		ug/l	1200	--	250
Vinyl acetate	ND		ug/l	1200	--	250
4-Methyl-2-pentanone	ND		ug/l	1200	--	250
2-Hexanone	ND		ug/l	1200	--	250
Ethyl methacrylate	ND		ug/l	1200	--	250
Acrylonitrile	ND		ug/l	1200	--	250
Bromochloromethane	ND		ug/l	620	--	250
Tetrahydrofuran	ND		ug/l	1200	--	250
2,2-Dichloropropane	ND		ug/l	620	--	250
1,2-Dibromoethane	ND		ug/l	500	--	250
1,3-Dichloropropane	ND		ug/l	620	--	250
1,1,1,2-Tetrachloroethane	ND		ug/l	120	--	250
Bromobenzene	ND		ug/l	620	--	250
n-Butylbenzene	ND		ug/l	120	--	250
sec-Butylbenzene	ND		ug/l	120	--	250
tert-Butylbenzene	ND		ug/l	620	--	250
o-Chlorotoluene	ND		ug/l	620	--	250
p-Chlorotoluene	ND		ug/l	620	--	250
1,2-Dibromo-3-chloropropane	ND		ug/l	620	--	250
Hexachlorobutadiene	ND		ug/l	120	--	250
Isopropylbenzene	ND		ug/l	120	--	250
p-Isopropyltoluene	ND		ug/l	120	--	250
Naphthalene	ND		ug/l	620	--	250
n-Propylbenzene	ND		ug/l	120	--	250
1,2,3-Trichlorobenzene	ND		ug/l	620	--	250
1,2,4-Trichlorobenzene	ND		ug/l	620	--	250
1,3,5-Trimethylbenzene	ND		ug/l	620	--	250

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-09 D

Date Collected: 11/01/12 12:25

Client ID: MW-17-20121101-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

1,2,4-Trimethylbenzene	ND		ug/l	620	--	250
trans-1,4-Dichloro-2-butene	ND		ug/l	620	--	250
Ethyl ether	ND		ug/l	620	--	250

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	93		70-130

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-10 D
Client ID: MW-2-20121101-01
Sample Location: CAROLINA, PR
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/08/12 18:23
Analyst: PD

Date Collected: 11/01/12 15:49
Date Received: 11/06/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	600	--	200
1,1-Dichloroethane	ND		ug/l	150	--	200
Chloroform	ND		ug/l	150	--	200
Carbon tetrachloride	ND		ug/l	100	--	200
1,2-Dichloropropane	ND		ug/l	350	--	200
Dibromochloromethane	ND		ug/l	100	--	200
1,1,2-Trichloroethane	ND		ug/l	150	--	200
Tetrachloroethene	17000		ug/l	100	--	200
Chlorobenzene	ND		ug/l	100	--	200
Trichlorofluoromethane	ND		ug/l	500	--	200
1,2-Dichloroethane	ND		ug/l	100	--	200
1,1,1-Trichloroethane	ND		ug/l	100	--	200
Bromodichloromethane	ND		ug/l	100	--	200
trans-1,3-Dichloropropene	ND		ug/l	100	--	200
cis-1,3-Dichloropropene	ND		ug/l	100	--	200
1,1-Dichloropropene	ND		ug/l	500	--	200
Bromoform	ND		ug/l	400	--	200
1,1,2,2-Tetrachloroethane	ND		ug/l	100	--	200
Benzene	ND		ug/l	100	--	200
Toluene	ND		ug/l	150	--	200
Ethylbenzene	ND		ug/l	100	--	200
Chloromethane	ND		ug/l	500	--	200
Bromomethane	ND		ug/l	200	--	200
Vinyl chloride	940		ug/l	200	--	200
Chloroethane	ND		ug/l	200	--	200
1,1-Dichloroethene	ND		ug/l	100	--	200
trans-1,2-Dichloroethene	ND		ug/l	150	--	200
Trichloroethene	7800		ug/l	100	--	200
1,2-Dichlorobenzene	ND		ug/l	500	--	200
1,3-Dichlorobenzene	ND		ug/l	500	--	200
1,4-Dichlorobenzene	ND		ug/l	500	--	200

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-10 D

Date Collected: 11/01/12 15:49

Client ID: MW-2-20121101-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	200	--	200
p/m-Xylene	ND		ug/l	200	--	200
o-Xylene	ND		ug/l	200	--	200
Xylenes, Total	ND		ug/l	200	--	200
cis-1,2-Dichloroethene	4900		ug/l	100	--	200
Dibromomethane	ND		ug/l	1000	--	200
1,4-Dichlorobutane	ND		ug/l	1000	--	200
1,2,3-Trichloropropane	ND		ug/l	1000	--	200
Styrene	ND		ug/l	200	--	200
Dichlorodifluoromethane	ND		ug/l	1000	--	200
Acetone	ND		ug/l	1000	--	200
Carbon disulfide	ND		ug/l	1000	--	200
2-Butanone	ND		ug/l	1000	--	200
Vinyl acetate	ND		ug/l	1000	--	200
4-Methyl-2-pentanone	ND		ug/l	1000	--	200
2-Hexanone	ND		ug/l	1000	--	200
Ethyl methacrylate	ND		ug/l	1000	--	200
Acrylonitrile	ND		ug/l	1000	--	200
Bromochloromethane	ND		ug/l	500	--	200
Tetrahydrofuran	ND		ug/l	1000	--	200
2,2-Dichloropropane	ND		ug/l	500	--	200
1,2-Dibromoethane	ND		ug/l	400	--	200
1,3-Dichloropropane	ND		ug/l	500	--	200
1,1,1,2-Tetrachloroethane	ND		ug/l	100	--	200
Bromobenzene	ND		ug/l	500	--	200
n-Butylbenzene	ND		ug/l	100	--	200
sec-Butylbenzene	ND		ug/l	100	--	200
tert-Butylbenzene	ND		ug/l	500	--	200
o-Chlorotoluene	ND		ug/l	500	--	200
p-Chlorotoluene	ND		ug/l	500	--	200
1,2-Dibromo-3-chloropropane	ND		ug/l	500	--	200
Hexachlorobutadiene	ND		ug/l	100	--	200
Isopropylbenzene	ND		ug/l	100	--	200
p-Isopropyltoluene	ND		ug/l	100	--	200
Naphthalene	ND		ug/l	500	--	200
n-Propylbenzene	ND		ug/l	100	--	200
1,2,3-Trichlorobenzene	ND		ug/l	500	--	200
1,2,4-Trichlorobenzene	ND		ug/l	500	--	200
1,3,5-Trimethylbenzene	ND		ug/l	500	--	200

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-10 D

Date Collected: 11/01/12 15:49

Client ID: MW-2-20121101-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

1,2,4-Trimethylbenzene	ND		ug/l	500	--	200
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trans-1,4-Dichloro-2-butene	ND		ug/l	500	--	200
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Ethyl ether	ND		ug/l	500	--	200
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Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	94		70-130

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-11 D
Client ID: MW-3-20121102-01
Sample Location: CAROLINA, PR
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/09/12 15:30
Analyst: PD

Date Collected: 11/02/12 09:15
Date Received: 11/06/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	300	--	100
1,1-Dichloroethane	ND		ug/l	75	--	100
Chloroform	ND		ug/l	75	--	100
Carbon tetrachloride	ND		ug/l	50	--	100
1,2-Dichloropropane	ND		ug/l	180	--	100
Dibromochloromethane	ND		ug/l	50	--	100
1,1,2-Trichloroethane	ND		ug/l	75	--	100
Tetrachloroethene	1100		ug/l	50	--	100
Chlorobenzene	ND		ug/l	50	--	100
Trichlorofluoromethane	ND		ug/l	250	--	100
1,2-Dichloroethane	ND		ug/l	50	--	100
1,1,1-Trichloroethane	ND		ug/l	50	--	100
Bromodichloromethane	ND		ug/l	50	--	100
trans-1,3-Dichloropropene	ND		ug/l	50	--	100
cis-1,3-Dichloropropene	ND		ug/l	50	--	100
1,1-Dichloropropene	ND		ug/l	250	--	100
Bromoform	ND		ug/l	200	--	100
1,1,2,2-Tetrachloroethane	ND		ug/l	50	--	100
Benzene	ND		ug/l	50	--	100
Toluene	ND		ug/l	75	--	100
Ethylbenzene	ND		ug/l	50	--	100
Chloromethane	ND		ug/l	250	--	100
Bromomethane	ND		ug/l	100	--	100
Vinyl chloride	600		ug/l	100	--	100
Chloroethane	ND		ug/l	100	--	100
1,1-Dichloroethene	ND		ug/l	50	--	100
trans-1,2-Dichloroethene	ND		ug/l	75	--	100
Trichloroethene	1900		ug/l	50	--	100
1,2-Dichlorobenzene	ND		ug/l	250	--	100
1,3-Dichlorobenzene	ND		ug/l	250	--	100
1,4-Dichlorobenzene	ND		ug/l	250	--	100

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-11 D

Date Collected: 11/02/12 09:15

Client ID: MW-3-20121102-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	100	--	100
p/m-Xylene	ND		ug/l	100	--	100
o-Xylene	ND		ug/l	100	--	100
Xylenes, Total	ND		ug/l	100	--	100
cis-1,2-Dichloroethene	3500		ug/l	50	--	100
Dibromomethane	ND		ug/l	500	--	100
1,4-Dichlorobutane	ND		ug/l	500	--	100
1,2,3-Trichloropropane	ND		ug/l	500	--	100
Styrene	ND		ug/l	100	--	100
Dichlorodifluoromethane	ND		ug/l	500	--	100
Acetone	ND		ug/l	500	--	100
Carbon disulfide	ND		ug/l	500	--	100
2-Butanone	ND		ug/l	500	--	100
Vinyl acetate	ND		ug/l	500	--	100
4-Methyl-2-pentanone	ND		ug/l	500	--	100
2-Hexanone	ND		ug/l	500	--	100
Ethyl methacrylate	ND		ug/l	500	--	100
Acrylonitrile	ND		ug/l	500	--	100
Bromochloromethane	ND		ug/l	250	--	100
Tetrahydrofuran	ND		ug/l	500	--	100
2,2-Dichloropropane	ND		ug/l	250	--	100
1,2-Dibromoethane	ND		ug/l	200	--	100
1,3-Dichloropropane	ND		ug/l	250	--	100
1,1,1,2-Tetrachloroethane	ND		ug/l	50	--	100
Bromobenzene	ND		ug/l	250	--	100
n-Butylbenzene	ND		ug/l	50	--	100
sec-Butylbenzene	ND		ug/l	50	--	100
tert-Butylbenzene	ND		ug/l	250	--	100
o-Chlorotoluene	ND		ug/l	250	--	100
p-Chlorotoluene	ND		ug/l	250	--	100
1,2-Dibromo-3-chloropropane	ND		ug/l	250	--	100
Hexachlorobutadiene	ND		ug/l	50	--	100
Isopropylbenzene	ND		ug/l	50	--	100
p-Isopropyltoluene	ND		ug/l	50	--	100
Naphthalene	ND		ug/l	250	--	100
n-Propylbenzene	ND		ug/l	50	--	100
1,2,3-Trichlorobenzene	ND		ug/l	250	--	100
1,2,4-Trichlorobenzene	ND		ug/l	250	--	100
1,3,5-Trimethylbenzene	ND		ug/l	250	--	100

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-11 D

Date Collected: 11/02/12 09:15

Client ID: MW-3-20121102-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

1,2,4-Trimethylbenzene	ND		ug/l	250	--	100
trans-1,4-Dichloro-2-butene	ND		ug/l	250	--	100
Ethyl ether	ND		ug/l	250	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	94		70-130

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-12 D
 Client ID: MW-5-20121102-01
 Sample Location: CAROLINA, PR
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/09/12 16:15
 Analyst: PD

Date Collected: 11/02/12 10:55
 Date Received: 11/06/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	600	--	200
1,1-Dichloroethane	ND		ug/l	150	--	200
Chloroform	ND		ug/l	150	--	200
Carbon tetrachloride	ND		ug/l	100	--	200
1,2-Dichloropropane	ND		ug/l	350	--	200
Dibromochloromethane	ND		ug/l	100	--	200
1,1,2-Trichloroethane	ND		ug/l	150	--	200
Tetrachloroethene	2100		ug/l	100	--	200
Chlorobenzene	ND		ug/l	100	--	200
Trichlorofluoromethane	ND		ug/l	500	--	200
1,2-Dichloroethane	ND		ug/l	100	--	200
1,1,1-Trichloroethane	ND		ug/l	100	--	200
Bromodichloromethane	ND		ug/l	100	--	200
trans-1,3-Dichloropropene	ND		ug/l	100	--	200
cis-1,3-Dichloropropene	ND		ug/l	100	--	200
1,1-Dichloropropene	ND		ug/l	500	--	200
Bromoform	ND		ug/l	400	--	200
1,1,2,2-Tetrachloroethane	ND		ug/l	100	--	200
Benzene	ND		ug/l	100	--	200
Toluene	ND		ug/l	150	--	200
Ethylbenzene	ND		ug/l	100	--	200
Chloromethane	ND		ug/l	500	--	200
Bromomethane	ND		ug/l	200	--	200
Vinyl chloride	920		ug/l	200	--	200
Chloroethane	ND		ug/l	200	--	200
1,1-Dichloroethene	ND		ug/l	100	--	200
trans-1,2-Dichloroethene	ND		ug/l	150	--	200
Trichloroethene	1500		ug/l	100	--	200
1,2-Dichlorobenzene	ND		ug/l	500	--	200
1,3-Dichlorobenzene	ND		ug/l	500	--	200
1,4-Dichlorobenzene	ND		ug/l	500	--	200

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-12 D

Date Collected: 11/02/12 10:55

Client ID: MW-5-20121102-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	200	--	200
p/m-Xylene	ND		ug/l	200	--	200
o-Xylene	ND		ug/l	200	--	200
Xylenes, Total	ND		ug/l	200	--	200
cis-1,2-Dichloroethene	8100		ug/l	100	--	200
Dibromomethane	ND		ug/l	1000	--	200
1,4-Dichlorobutane	ND		ug/l	1000	--	200
1,2,3-Trichloropropane	ND		ug/l	1000	--	200
Styrene	ND		ug/l	200	--	200
Dichlorodifluoromethane	ND		ug/l	1000	--	200
Acetone	ND		ug/l	1000	--	200
Carbon disulfide	ND		ug/l	1000	--	200
2-Butanone	ND		ug/l	1000	--	200
Vinyl acetate	ND		ug/l	1000	--	200
4-Methyl-2-pentanone	ND		ug/l	1000	--	200
2-Hexanone	ND		ug/l	1000	--	200
Ethyl methacrylate	ND		ug/l	1000	--	200
Acrylonitrile	ND		ug/l	1000	--	200
Bromochloromethane	ND		ug/l	500	--	200
Tetrahydrofuran	ND		ug/l	1000	--	200
2,2-Dichloropropane	ND		ug/l	500	--	200
1,2-Dibromoethane	ND		ug/l	400	--	200
1,3-Dichloropropane	ND		ug/l	500	--	200
1,1,1,2-Tetrachloroethane	ND		ug/l	100	--	200
Bromobenzene	ND		ug/l	500	--	200
n-Butylbenzene	ND		ug/l	100	--	200
sec-Butylbenzene	ND		ug/l	100	--	200
tert-Butylbenzene	ND		ug/l	500	--	200
o-Chlorotoluene	ND		ug/l	500	--	200
p-Chlorotoluene	ND		ug/l	500	--	200
1,2-Dibromo-3-chloropropane	ND		ug/l	500	--	200
Hexachlorobutadiene	ND		ug/l	100	--	200
Isopropylbenzene	ND		ug/l	100	--	200
p-Isopropyltoluene	ND		ug/l	100	--	200
Naphthalene	ND		ug/l	500	--	200
n-Propylbenzene	ND		ug/l	100	--	200
1,2,3-Trichlorobenzene	ND		ug/l	500	--	200
1,2,4-Trichlorobenzene	ND		ug/l	500	--	200
1,3,5-Trimethylbenzene	ND		ug/l	500	--	200

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-12 D

Date Collected: 11/02/12 10:55

Client ID: MW-5-20121102-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

1,2,4-Trimethylbenzene	ND		ug/l	500	--	200
trans-1,4-Dichloro-2-butene	ND		ug/l	500	--	200
Ethyl ether	ND		ug/l	500	--	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	95		70-130

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-13 D
Client ID: MW-41-20121102-01
Sample Location: CAROLINA, PR
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/09/12 16:49
Analyst: PD

Date Collected: 11/02/12 16:10
Date Received: 11/06/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	12000	--	4000
1,1-Dichloroethane	ND		ug/l	3000	--	4000
Chloroform	ND		ug/l	3000	--	4000
Carbon tetrachloride	ND		ug/l	2000	--	4000
1,2-Dichloropropane	ND		ug/l	7000	--	4000
Dibromochloromethane	ND		ug/l	2000	--	4000
1,1,2-Trichloroethane	ND		ug/l	3000	--	4000
Tetrachloroethene	120000		ug/l	2000	--	4000
Chlorobenzene	ND		ug/l	2000	--	4000
Trichlorofluoromethane	ND		ug/l	10000	--	4000
1,2-Dichloroethane	ND		ug/l	2000	--	4000
1,1,1-Trichloroethane	ND		ug/l	2000	--	4000
Bromodichloromethane	ND		ug/l	2000	--	4000
trans-1,3-Dichloropropene	ND		ug/l	2000	--	4000
cis-1,3-Dichloropropene	ND		ug/l	2000	--	4000
1,1-Dichloropropene	ND		ug/l	10000	--	4000
Bromoform	ND		ug/l	8000	--	4000
1,1,2,2-Tetrachloroethane	ND		ug/l	2000	--	4000
Benzene	ND		ug/l	2000	--	4000
Toluene	ND		ug/l	3000	--	4000
Ethylbenzene	ND		ug/l	2000	--	4000
Chloromethane	ND		ug/l	10000	--	4000
Bromomethane	ND		ug/l	4000	--	4000
Vinyl chloride	66000		ug/l	4000	--	4000
Chloroethane	ND		ug/l	4000	--	4000
1,1-Dichloroethene	ND		ug/l	2000	--	4000
trans-1,2-Dichloroethene	ND		ug/l	3000	--	4000
Trichloroethene	44000		ug/l	2000	--	4000
1,2-Dichlorobenzene	ND		ug/l	10000	--	4000
1,3-Dichlorobenzene	ND		ug/l	10000	--	4000
1,4-Dichlorobenzene	ND		ug/l	10000	--	4000

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-13 D

Date Collected: 11/02/12 16:10

Client ID: MW-41-20121102-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	4000	--	4000
p/m-Xylene	ND		ug/l	4000	--	4000
o-Xylene	ND		ug/l	4000	--	4000
Xylenes, Total	ND		ug/l	4000	--	4000
cis-1,2-Dichloroethene	270000		ug/l	2000	--	4000
Dibromomethane	ND		ug/l	20000	--	4000
1,4-Dichlorobutane	ND		ug/l	20000	--	4000
1,2,3-Trichloropropane	ND		ug/l	20000	--	4000
Styrene	ND		ug/l	4000	--	4000
Dichlorodifluoromethane	ND		ug/l	20000	--	4000
Acetone	ND		ug/l	20000	--	4000
Carbon disulfide	ND		ug/l	20000	--	4000
2-Butanone	ND		ug/l	20000	--	4000
Vinyl acetate	ND		ug/l	20000	--	4000
4-Methyl-2-pentanone	ND		ug/l	20000	--	4000
2-Hexanone	ND		ug/l	20000	--	4000
Ethyl methacrylate	ND		ug/l	20000	--	4000
Acrylonitrile	ND		ug/l	20000	--	4000
Bromochloromethane	ND		ug/l	10000	--	4000
Tetrahydrofuran	ND		ug/l	20000	--	4000
2,2-Dichloropropane	ND		ug/l	10000	--	4000
1,2-Dibromoethane	ND		ug/l	8000	--	4000
1,3-Dichloropropane	ND		ug/l	10000	--	4000
1,1,1,2-Tetrachloroethane	ND		ug/l	2000	--	4000
Bromobenzene	ND		ug/l	10000	--	4000
n-Butylbenzene	ND		ug/l	2000	--	4000
sec-Butylbenzene	ND		ug/l	2000	--	4000
tert-Butylbenzene	ND		ug/l	10000	--	4000
o-Chlorotoluene	ND		ug/l	10000	--	4000
p-Chlorotoluene	ND		ug/l	10000	--	4000
1,2-Dibromo-3-chloropropane	ND		ug/l	10000	--	4000
Hexachlorobutadiene	ND		ug/l	2000	--	4000
Isopropylbenzene	ND		ug/l	2000	--	4000
p-Isopropyltoluene	ND		ug/l	2000	--	4000
Naphthalene	ND		ug/l	10000	--	4000
n-Propylbenzene	ND		ug/l	2000	--	4000
1,2,3-Trichlorobenzene	ND		ug/l	10000	--	4000
1,2,4-Trichlorobenzene	ND		ug/l	10000	--	4000
1,3,5-Trimethylbenzene	ND		ug/l	10000	--	4000

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-13 D

Date Collected: 11/02/12 16:10

Client ID: MW-41-20121102-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

1,2,4-Trimethylbenzene	ND		ug/l	10000	--	4000
trans-1,4-Dichloro-2-butene	ND		ug/l	10000	--	4000
Ethyl ether	ND		ug/l	10000	--	4000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	94		70-130

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-14 D2
Client ID: MW-6-20121102-01
Sample Location: CAROLINA, PR
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/09/12 19:09
Analyst: PD

Date Collected: 11/02/12 15:05
Date Received: 11/06/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Tetrachloroethene	41000		ug/l	500	--	1000
Trichloroethene	36000		ug/l	500	--	1000
cis-1,2-Dichloroethene	50000		ug/l	500	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	92		70-130

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-14 D
 Client ID: MW-6-20121102-01
 Sample Location: CAROLINA, PR
 Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 11/09/12 17:24
 Analyst: PD

Date Collected: 11/02/12 15:05
 Date Received: 11/06/12
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	750	--	250
1,1-Dichloroethane	ND		ug/l	190	--	250
Chloroform	ND		ug/l	190	--	250
Carbon tetrachloride	ND		ug/l	120	--	250
1,2-Dichloropropane	ND		ug/l	440	--	250
Dibromochloromethane	ND		ug/l	120	--	250
1,1,2-Trichloroethane	ND		ug/l	190	--	250
Tetrachloroethene	42000	E	ug/l	120	--	250
Chlorobenzene	ND		ug/l	120	--	250
Trichlorofluoromethane	ND		ug/l	620	--	250
1,2-Dichloroethane	ND		ug/l	120	--	250
1,1,1-Trichloroethane	ND		ug/l	120	--	250
Bromodichloromethane	ND		ug/l	120	--	250
trans-1,3-Dichloropropene	ND		ug/l	120	--	250
cis-1,3-Dichloropropene	ND		ug/l	120	--	250
1,1-Dichloropropene	ND		ug/l	620	--	250
Bromoform	ND		ug/l	500	--	250
1,1,2,2-Tetrachloroethane	ND		ug/l	120	--	250
Benzene	ND		ug/l	120	--	250
Toluene	ND		ug/l	190	--	250
Ethylbenzene	ND		ug/l	120	--	250
Chloromethane	ND		ug/l	620	--	250
Bromomethane	ND		ug/l	250	--	250
Vinyl chloride	17000		ug/l	250	--	250
Chloroethane	ND		ug/l	250	--	250
1,1-Dichloroethene	ND		ug/l	120	--	250
trans-1,2-Dichloroethene	ND		ug/l	190	--	250
Trichloroethene	38000	E	ug/l	120	--	250
1,2-Dichlorobenzene	ND		ug/l	620	--	250
1,3-Dichlorobenzene	ND		ug/l	620	--	250
1,4-Dichlorobenzene	ND		ug/l	620	--	250

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-14 D

Date Collected: 11/02/12 15:05

Client ID: MW-6-20121102-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	250	--	250
p/m-Xylene	ND		ug/l	250	--	250
o-Xylene	ND		ug/l	250	--	250
Xylenes, Total	ND		ug/l	250	--	250
cis-1,2-Dichloroethene	51000	E	ug/l	120	--	250
Dibromomethane	ND		ug/l	1200	--	250
1,4-Dichlorobutane	ND		ug/l	1200	--	250
1,2,3-Trichloropropane	ND		ug/l	1200	--	250
Styrene	ND		ug/l	250	--	250
Dichlorodifluoromethane	ND		ug/l	1200	--	250
Acetone	ND		ug/l	1200	--	250
Carbon disulfide	ND		ug/l	1200	--	250
2-Butanone	ND		ug/l	1200	--	250
Vinyl acetate	ND		ug/l	1200	--	250
4-Methyl-2-pentanone	ND		ug/l	1200	--	250
2-Hexanone	ND		ug/l	1200	--	250
Ethyl methacrylate	ND		ug/l	1200	--	250
Acrylonitrile	ND		ug/l	1200	--	250
Bromochloromethane	ND		ug/l	620	--	250
Tetrahydrofuran	ND		ug/l	1200	--	250
2,2-Dichloropropane	ND		ug/l	620	--	250
1,2-Dibromoethane	ND		ug/l	500	--	250
1,3-Dichloropropane	ND		ug/l	620	--	250
1,1,1,2-Tetrachloroethane	ND		ug/l	120	--	250
Bromobenzene	ND		ug/l	620	--	250
n-Butylbenzene	ND		ug/l	120	--	250
sec-Butylbenzene	ND		ug/l	120	--	250
tert-Butylbenzene	ND		ug/l	620	--	250
o-Chlorotoluene	ND		ug/l	620	--	250
p-Chlorotoluene	ND		ug/l	620	--	250
1,2-Dibromo-3-chloropropane	ND		ug/l	620	--	250
Hexachlorobutadiene	ND		ug/l	120	--	250
Isopropylbenzene	ND		ug/l	120	--	250
p-Isopropyltoluene	ND		ug/l	120	--	250
Naphthalene	ND		ug/l	620	--	250
n-Propylbenzene	ND		ug/l	120	--	250
1,2,3-Trichlorobenzene	ND		ug/l	620	--	250
1,2,4-Trichlorobenzene	ND		ug/l	620	--	250
1,3,5-Trimethylbenzene	ND		ug/l	620	--	250

Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**SAMPLE RESULTS**

Lab ID: L1219998-14 D

Date Collected: 11/02/12 15:05

Client ID: MW-6-20121102-01

Date Received: 11/06/12

Sample Location: CAROLINA, PR

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
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Volatile Organics by GC/MS - Westborough Lab

1,2,4-Trimethylbenzene	ND		ug/l	620	--	250
trans-1,4-Dichloro-2-butene	ND		ug/l	620	--	250
Ethyl ether	ND		ug/l	620	--	250

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	95		70-130

Project Name: GILLETTE P+G

Lab Number: L1219998

Project Number: 0176149

Report Date: 11/13/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/12/12 10:30

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG573106-11					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: GILLETTE P+G

Lab Number: L1219998

Project Number: 0176149

Report Date: 11/13/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/12/12 10:30

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG573106-11					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,4-Dichlorobutane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
Vinyl acetate	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Ethyl methacrylate	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--

Project Name: GILLETTE P+G

Lab Number: L1219998

Project Number: 0176149

Report Date: 11/13/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/12/12 10:30

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG573106-11					
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: GILLETTE P+G

Lab Number: L1219998

Project Number: 0176149

Report Date: 11/13/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/08/12 10:12

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-10 Batch: WG573106-3					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: GILLETTE P+G

Lab Number: L1219998

Project Number: 0176149

Report Date: 11/13/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/08/12 10:12

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-10 Batch: WG573106-3					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,4-Dichlorobutane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
Vinyl acetate	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Ethyl methacrylate	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--

Project Name: GILLETTE P+G

Lab Number: L1219998

Project Number: 0176149

Report Date: 11/13/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/08/12 10:12

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-10 Batch: WG573106-3					
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	94		70-130

Project Name: GILLETTE P+G

Lab Number: L1219998

Project Number: 0176149

Report Date: 11/13/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/09/12 09:55

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,11-14 Batch: WG573106-8					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--
1,4-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: GILLETTE P+G

Lab Number: L1219998

Project Number: 0176149

Report Date: 11/13/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/09/12 09:55

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,11-14 Batch: WG573106-8					
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
Xylenes, Total	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,4-Dichlorobutane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
Vinyl acetate	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Ethyl methacrylate	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--

Project Name: GILLETTE P+G

Lab Number: L1219998

Project Number: 0176149

Report Date: 11/13/12

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/09/12 09:55

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,11-14 Batch: WG573106-8					
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: GILLETTE P+G

Project Number: 0176149

Lab Number: L1219998

Report Date: 11/13/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-10 Batch: WG573106-1 WG573106-2								
Methylene chloride	90		91		70-130	1		20
1,1-Dichloroethane	95		95		70-130	0		20
Chloroform	94		94		70-130	0		20
Carbon tetrachloride	81		81		63-132	0		20
1,2-Dichloropropane	94		95		70-130	1		20
Dibromochloromethane	87		88		63-130	1		20
1,1,2-Trichloroethane	97		97		70-130	0		20
Tetrachloroethene	88		90		70-130	2		20
Chlorobenzene	93		94		75-130	1		25
Trichlorofluoromethane	94		98		62-150	4		20
1,2-Dichloroethane	96		97		70-130	1		20
1,1,1-Trichloroethane	91		91		67-130	0		20
Bromodichloromethane	99		99		67-130	0		20
trans-1,3-Dichloropropene	79		78		70-130	1		20
cis-1,3-Dichloropropene	91		90		70-130	1		20
1,1-Dichloropropene	89		92		70-130	3		20
Bromoform	103		100		54-136	3		20
1,1,2,2-Tetrachloroethane	99		95		67-130	4		20
Benzene	93		96		70-130	3		25
Toluene	94		96		70-130	2		25
Ethylbenzene	96		97		70-130	1		20

Lab Control Sample Analysis Batch Quality Control

Project Name: GILLETTE P+G

Project Number: 0176149

Lab Number: L1219998

Report Date: 11/13/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-10 Batch: WG573106-1 WG573106-2								
Chloromethane	99		104		64-130	5		20
Bromomethane	94		72		39-139	27	Q	20
Vinyl chloride	103		116		55-140	12		20
Chloroethane	113		127		55-138	12		20
1,1-Dichloroethene	86		89		61-145	3		25
trans-1,2-Dichloroethene	86		91		70-130	6		20
Trichloroethene	88		90		70-130	2		25
1,2-Dichlorobenzene	93		93		70-130	0		20
1,3-Dichlorobenzene	91		92		70-130	1		20
1,4-Dichlorobenzene	92		92		70-130	0		20
Methyl tert butyl ether	75		67		63-130	11		20
p/m-Xylene	95		97		70-130	2		20
o-Xylene	98		98		70-130	0		20
cis-1,2-Dichloroethene	90		91		70-130	1		20
Dibromomethane	97		94		70-130	3		20
1,4-Dichlorobutane	92		90		70-130	2		20
1,2,3-Trichloropropane	95		91		64-130	4		20
Styrene	96		98		70-130	2		20
Dichlorodifluoromethane	86		91		36-147	6		20
Acetone	130		124		58-148	5		20
Carbon disulfide	86		91		51-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GILLETTE P+G

Project Number: 0176149

Lab Number: L1219998

Report Date: 11/13/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-10 Batch: WG573106-1 WG573106-2								
2-Butanone	154	Q	144	Q	63-138	7		20
Vinyl acetate	81		79		70-130	3		20
4-Methyl-2-pentanone	96		92		59-130	4		20
2-Hexanone	125		115		57-130	8		20
Ethyl methacrylate	92		86		70-130	7		20
Acrylonitrile	95		91		70-130	4		20
Bromochloromethane	99		100		70-130	1		20
Tetrahydrofuran	95		85		58-130	11		20
2,2-Dichloropropane	77		74		63-133	4		20
1,2-Dibromoethane	93		91		70-130	2		20
1,3-Dichloropropane	94		92		70-130	2		20
1,1,1,2-Tetrachloroethane	90		93		64-130	3		20
Bromobenzene	96		96		70-130	0		20
n-Butylbenzene	87		92		53-136	6		20
sec-Butylbenzene	98		100		70-130	2		20
tert-Butylbenzene	94		97		70-130	3		20
o-Chlorotoluene	96		98		70-130	2		20
p-Chlorotoluene	95		96		70-130	1		20
1,2-Dibromo-3-chloropropane	87		88		41-144	1		20
Hexachlorobutadiene	91		96		63-130	5		20
Isopropylbenzene	95		97		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GILLETTE P+G

Project Number: 0176149

Lab Number: L1219998

Report Date: 11/13/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-10 Batch: WG573106-1 WG573106-2								
p-Isopropyltoluene	94		96		70-130	2		20
Naphthalene	90		93		70-130	3		20
n-Propylbenzene	97		99		69-130	2		20
1,2,3-Trichlorobenzene	90		95		70-130	5		20
1,2,4-Trichlorobenzene	91		96		70-130	5		20
1,3,5-Trimethylbenzene	91		94		64-130	3		20
1,2,4-Trimethylbenzene	88		91		70-130	3		20
trans-1,4-Dichloro-2-butene	98		98		70-130	0		20
Ethyl ether	88		87		59-134	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		103		70-130
Toluene-d8	99		101		70-130
4-Bromofluorobenzene	99		101		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GILLETTE P+G

Project Number: 0176149

Lab Number: L1219998

Report Date: 11/13/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,11-14 Batch: WG573106-6 WG573106-7								
Methylene chloride	92		95		70-130	5		20
1,1-Dichloroethane	97		100		70-130	5		20
Chloroform	94		98		70-130	4		20
Carbon tetrachloride	82		89		63-132	9		20
1,2-Dichloropropane	98		98		70-130	4		20
Dibromochloromethane	91		88		63-130	1		20
1,1,2-Trichloroethane	99		100		70-130	3		20
Tetrachloroethene	92		94		70-130	7		20
Chlorobenzene	96		98		75-130	5		25
Trichlorofluoromethane	101		105		62-150	11		20
1,2-Dichloroethane	98		98		70-130	2		20
1,1,1-Trichloroethane	94		97		67-130	6		20
Bromodichloromethane	99		101		67-130	2		20
trans-1,3-Dichloropropene	82		83		70-130	5		20
cis-1,3-Dichloropropene	95		95		70-130	4		20
1,1-Dichloropropene	94		97		70-130	9		20
Bromoform	102		98		54-136	5		20
1,1,2,2-Tetrachloroethane	101		97		67-130	2		20
Benzene	97		99		70-130	6		25
Toluene	97		100		70-130	6		25
Ethylbenzene	98		102		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GILLETTE P+G

Project Number: 0176149

Lab Number: L1219998

Report Date: 11/13/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,11-14 Batch: WG573106-6 WG573106-7								
Chloromethane	110		112		64-130	12		20
Bromomethane	98		98		39-139	4		20
Vinyl chloride	108		116		55-140	12		20
Chloroethane	118		125		55-138	10		20
1,1-Dichloroethene	91		93		61-145	8		25
trans-1,2-Dichloroethene	91		94		70-130	9		20
Trichloroethene	92		95		70-130	8		25
1,2-Dichlorobenzene	96		97		70-130	4		20
1,3-Dichlorobenzene	91		95		70-130	4		20
1,4-Dichlorobenzene	91		96		70-130	4		20
Methyl tert butyl ether	77		74		63-130	1		20
p/m-Xylene	99		103		70-130	8		20
o-Xylene	100		104		70-130	6		20
cis-1,2-Dichloroethene	94		97		70-130	7		20
Dibromomethane	100		98		70-130	1		20
1,4-Dichlorobutane	95		92		70-130	0		20
1,2,3-Trichloropropane	95		92		64-130	3		20
Styrene	100		102		70-130	6		20
Dichlorodifluoromethane	98		102		36-147	17		20
Acetone	128		125		58-148	4		20
Carbon disulfide	90		97		51-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GILLETTE P+G

Project Number: 0176149

Lab Number: L1219998

Report Date: 11/13/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,11-14 Batch: WG573106-6 WG573106-7								
2-Butanone	122		112		63-138	32	Q	20
Vinyl acetate	86		80		70-130	1		20
4-Methyl-2-pentanone	102		91		59-130	5		20
2-Hexanone	130		120		57-130	4		20
Ethyl methacrylate	94		89		70-130	3		20
Acrylonitrile	96		93		70-130	2		20
Bromochloromethane	101		104		70-130	5		20
Tetrahydrofuran	93		88		58-130	8		20
2,2-Dichloropropane	79		82		63-133	6		20
1,2-Dibromoethane	95		93		70-130	0		20
1,3-Dichloropropane	97		96		70-130	2		20
1,1,1,2-Tetrachloroethane	92		94		64-130	4		20
Bromobenzene	96		99		70-130	3		20
n-Butylbenzene	91		94		53-136	8		20
sec-Butylbenzene	101		107		70-130	9		20
tert-Butylbenzene	97		102		70-130	8		20
o-Chlorotoluene	98		101		70-130	5		20
p-Chlorotoluene	98		100		70-130	5		20
1,2-Dibromo-3-chloropropane	88		86		41-144	1		20
Hexachlorobutadiene	94		98		63-130	7		20
Isopropylbenzene	97		102		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GILLETTE P+G

Project Number: 0176149

Lab Number: L1219998

Report Date: 11/13/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,11-14 Batch: WG573106-6 WG573106-7								
p-Isopropyltoluene	98		100		70-130	6		20
Naphthalene	93		84		70-130	7		20
n-Propylbenzene	99		104		69-130	7		20
1,2,3-Trichlorobenzene	95		89		70-130	1		20
1,2,4-Trichlorobenzene	92		92		70-130	1		20
1,3,5-Trimethylbenzene	93		96		64-130	5		20
1,2,4-Trimethylbenzene	90		92		70-130	4		20
trans-1,4-Dichloro-2-butene	107		98		70-130	0		20
Ethyl ether	91		91		59-134	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	96		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: GILLETTE P+G

Project Number: 0176149

Lab Number: L1219998

Report Date: 11/13/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG573106-9 WG573106-10								
Methylene chloride	103		96		70-130	7		20
1,1-Dichloroethane	108		100		70-130	8		20
Chloroform	107		99		70-130	8		20
Carbon tetrachloride	106		94		63-132	12		20
1,2-Dichloropropane	107		99		70-130	8		20
Dibromochloromethane	105		95		63-130	10		20
1,1,2-Trichloroethane	107		98		70-130	9		20
Tetrachloroethene	106		100		70-130	6		20
Chlorobenzene	107		99		75-130	8		25
Trichlorofluoromethane	118		106		62-150	11		20
1,2-Dichloroethane	108		99		70-130	9		20
1,1,1-Trichloroethane	111		100		67-130	10		20
Bromodichloromethane	118		108		67-130	9		20
trans-1,3-Dichloropropene	91		82		70-130	10		20
cis-1,3-Dichloropropene	105		99		70-130	6		20
1,1-Dichloropropene	103		96		70-130	7		20
Bromoform	122		111		54-136	9		20
1,1,2,2-Tetrachloroethane	103		94		67-130	9		20
Benzene	106		100		70-130	6		25
Toluene	106		99		70-130	7		25
Ethylbenzene	108		100		70-130	8		20

Lab Control Sample Analysis Batch Quality Control

Project Name: GILLETTE P+G

Project Number: 0176149

Lab Number: L1219998

Report Date: 11/13/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG573106-9 WG573106-10								
Chloromethane	134	Q	126		64-130	6		20
Bromomethane	114		109		39-139	4		20
Vinyl chloride	136		120		55-140	13		20
Chloroethane	140	Q	126		55-138	11		20
1,1-Dichloroethene	102		93		61-145	9		25
trans-1,2-Dichloroethene	100		94		70-130	6		20
Trichloroethene	103		94		70-130	9		25
1,2-Dichlorobenzene	103		99		70-130	4		20
1,3-Dichlorobenzene	103		96		70-130	7		20
1,4-Dichlorobenzene	104		95		70-130	9		20
Methyl tert butyl ether	79		72		63-130	9		20
p/m-Xylene	110		102		70-130	8		20
o-Xylene	111		104		70-130	7		20
cis-1,2-Dichloroethene	104		94		70-130	10		20
Dibromomethane	108		98		70-130	10		20
1,4-Dichlorobutane	97		91		70-130	6		20
1,2,3-Trichloropropane	97		91		64-130	6		20
Styrene	110		104		70-130	6		20
Dichlorodifluoromethane	131		100		36-147	27	Q	20
Acetone	160	Q	143		58-148	11		20
Carbon disulfide	104		92		51-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GILLETTE P+G

Project Number: 0176149

Lab Number: L1219998

Report Date: 11/13/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG573106-9 WG573106-10								
2-Butanone	132		162	Q	63-138	20		20
Vinyl acetate	98		89		70-130	10		20
4-Methyl-2-pentanone	99		94		59-130	5		20
2-Hexanone	134	Q	124		57-130	8		20
Ethyl methacrylate	96		90		70-130	6		20
Acrylonitrile	100		94		70-130	6		20
Bromochloromethane	117		108		70-130	8		20
Tetrahydrofuran	99		92		58-130	7		20
2,2-Dichloropropane	89		80		63-133	11		20
1,2-Dibromoethane	100		96		70-130	4		20
1,3-Dichloropropane	102		96		70-130	6		20
1,1,1,2-Tetrachloroethane	110		102		64-130	8		20
Bromobenzene	107		99		70-130	8		20
n-Butylbenzene	95		90		53-136	5		20
sec-Butylbenzene	108		101		70-130	7		20
tert-Butylbenzene	106		99		70-130	7		20
o-Chlorotoluene	104		99		70-130	5		20
p-Chlorotoluene	104		98		70-130	6		20
1,2-Dibromo-3-chloropropane	97		86		41-144	12		20
Hexachlorobutadiene	105		97		63-130	8		20
Isopropylbenzene	105		98		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: GILLETTE P+G

Project Number: 0176149

Lab Number: L1219998

Report Date: 11/13/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG573106-9 WG573106-10								
p-Isopropyltoluene	104		98		70-130	6		20
Naphthalene	92		91		70-130	1		20
n-Propylbenzene	105		99		69-130	6		20
1,2,3-Trichlorobenzene	99		95		70-130	4		20
1,2,4-Trichlorobenzene	102		96		70-130	6		20
1,3,5-Trimethylbenzene	100		94		64-130	6		20
1,2,4-Trimethylbenzene	97		91		70-130	6		20
trans-1,4-Dichloro-2-butene	83		90		70-130	8		20
Ethyl ether	97		90		59-134	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		99		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	95		94		70-130
Dibromofluoromethane	101		99		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: GILLETTE P+G

Project Number: 0176149

Lab Number: L1219998

Report Date: 11/13/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG573106-4 WG573106-5 QC Sample: L1219998-09 Client ID: MW-17-20121101-01

Methylene chloride	ND	2500	2400	98		2200	90		70-130	9		20
1,1-Dichloroethane	ND	2500	2600	104		2400	96		70-130	8		20
Chloroform	ND	2500	2500	101		2300	93		70-130	8		20
Carbon tetrachloride	ND	2500	2000	82		1900	76		63-132	5		20
1,2-Dichloropropane	ND	2500	2600	103		2400	96		70-130	8		20
Dibromochloromethane	ND	2500	2200	89		2100	84		63-130	5		20
1,1,2-Trichloroethane	ND	2500	2600	105		2400	97		70-130	8		20
Tetrachloroethene	15000	2500	18000	116		16000	35	Q	70-130	12		20
Chlorobenzene	ND	2500	2600	102		2300	93		75-130	12		25
Trichlorofluoromethane	ND	2500	2700	107		2400	96		62-150	12		20
1,2-Dichloroethane	ND	2500	2600	103		2400	96		70-130	8		20
1,1,1-Trichloroethane	ND	2500	2400	98		2300	90		67-130	4		20
Bromodichloromethane	ND	2500	2600	102		2400	95		67-130	8		20
trans-1,3-Dichloropropene	ND	2500	2000	78		1800	74		70-130	11		20
cis-1,3-Dichloropropene	ND	2500	2300	91		2100	86		70-130	9		20
1,1-Dichloropropene	ND	2500	2500	100		2200	90		70-130	13		20
Bromoform	ND	2500	2400	96		2300	94		54-136	4		20
1,1,2,2-Tetrachloroethane	ND	2500	2600	103		2500	100		67-130	4		20
Benzene	ND	2500	2600	104		2400	95		70-130	8		25
Toluene	ND	2500	2600	105		2400	95		70-130	8		25
Ethylbenzene	ND	2500	2600	106		2400	94		70-130	8		20

Matrix Spike Analysis

Batch Quality Control

Project Name: GILLETTE P+G
Project Number: 0176149

Lab Number: L1219998
Report Date: 11/13/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG573106-4 WG573106-5 QC Sample: L1219998-09 Client ID: MW-17-20121101-01												
Chloromethane	ND	2500	3000	121		2800	111		64-130	7		20
Bromomethane	ND	2500	2200	88		2200	89		39-139	0		20
Vinyl chloride	8900	2500	12000	136		11000	86		55-140	9		20
Chloroethane	ND	2500	3100	125		2900	115		55-138	7		20
1,1-Dichloroethene	ND	2500	2600	103		2300	92		61-145	12		25
trans-1,2-Dichloroethene	ND	2500	2600	104		2300	94		70-130	12		20
Trichloroethene	14000	2500	17000	118		15000	55	Q	70-130	13		25
1,2-Dichlorobenzene	ND	2500	2500	99		2300	92		70-130	8		20
1,3-Dichlorobenzene	ND	2500	2400	95		2200	88		70-130	9		20
1,4-Dichlorobenzene	ND	2500	2400	95		2200	88		70-130	9		20
Methyl tert butyl ether	ND	2500	1900	76		1800	73		63-130	5		20
p/m-Xylene	ND	5000	5300	106		4800	96		70-130	10		20
o-Xylene	ND	5000	5400	107		4900	98		70-130	10		20
cis-1,2-Dichloroethene	30000E	2500	34000E	177	QE	32000E	68	QE	70-130	6		20
Dibromomethane	ND	2500	2600	103		2400	95		70-130	8		20
1,4-Dichlorobutane	ND	2500	2400	98		2300	92		70-130	4		20
1,2,3-Trichloropropane	ND	2500	2400	97		2400	95		64-130	0		20
Styrene	ND	5000	5300	106		4800	96		70-130	10		20
Dichlorodifluoromethane	ND	2500	2400	98		2100	86		36-147	13		20
Acetone	ND	2500	2200	89		2000	81		58-148	10		20
Carbon disulfide	ND	2500	2400	96		2200	86		51-130	9		20

Matrix Spike Analysis

Batch Quality Control

Project Name: GILLETTE P+G

Project Number: 0176149

Lab Number: L1219998

Report Date: 11/13/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG573106-4 WG573106-5 QC Sample: L1219998-09 Client ID: MW-17-20121101-01

2-Butanone	ND	2500	2400	98		2300	94		63-138	4		20
Vinyl acetate	ND	2500	2200	87		2100	84		70-130	5		20
4-Methyl-2-pentanone	ND	2500	2400	96		2400	96		59-130	0		20
2-Hexanone	ND	2500	2600	105		2500	100		57-130	4		20
Ethyl methacrylate	ND	2500	2400	95		2300	91		70-130	4		20
Acrylonitrile	ND	2500	2600	102		2400	95		70-130	8		20
Bromochloromethane	ND	2500	2700	108		2400	97		70-130	12		20
Tetrahydrofuran	ND	2500	2400	98		2200	88		58-130	9		20
2,2-Dichloropropane	ND	2500	1500	61	Q	1500	60	Q	63-133	0		20
1,2-Dibromoethane	ND	2500	2500	98		2300	91		70-130	8		20
1,3-Dichloropropane	ND	2500	2500	101		2400	95		70-130	4		20
1,1,1,2-Tetrachloroethane	ND	2500	2300	94		2200	86		64-130	4		20
Bromobenzene	ND	2500	2500	99		2400	94		70-130	4		20
n-Butylbenzene	ND	2500	2300	91		2100	84		53-136	9		20
sec-Butylbenzene	ND	2500	2600	105		2400	97		70-130	8		20
tert-Butylbenzene	ND	2500	2500	102		2400	94		70-130	4		20
o-Chlorotoluene	ND	2500	2600	103		2400	95		70-130	8		20
p-Chlorotoluene	ND	2500	2500	102		2300	94		70-130	8		20
1,2-Dibromo-3-chloropropane	ND	2500	2100	85		2100	84		41-144	0		20
Hexachlorobutadiene	ND	2500	2300	92		2100	84		63-130	9		20
Isopropylbenzene	ND	2500	2600	104		2400	95		70-130	8		20

Matrix Spike Analysis

Batch Quality Control

Project Name: GILLETTE P+G

Project Number: 0176149

Lab Number: L1219998

Report Date: 11/13/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-14 QC Batch ID: WG573106-4 WG573106-5 QC Sample: L1219998-09 Client ID: MW-17-20121101-01

p-Isopropyltoluene	ND	2500	2500	99		2300	93		70-130	8		20
Naphthalene	ND	2500	2200	90		2200	89		70-130	0		20
n-Propylbenzene	ND	2500	2600	104		2400	96		69-130	8		20
1,2,3-Trichlorobenzene	ND	2500	2300	91		2300	90		70-130	0		20
1,2,4-Trichlorobenzene	ND	2500	2300	92		2200	86		70-130	4		20
1,3,5-Trimethylbenzene	ND	2500	2400	97		2300	92		64-130	4		20
1,2,4-Trimethylbenzene	ND	2500	2300	92		2200	89		70-130	4		20
trans-1,4-Dichloro-2-butene	ND	2500	2300	90		2300	93		70-130	0		20
Ethyl ether	ND	2500	2400	94		2200	88		59-134	9		20

Surrogate	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1,2-Dichloroethane-d4	103		101		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	96		98		70-130
Toluene-d8	101		100		70-130

Project Name: GILLETTE P+G

Lab Number: L1219998

Project Number: 0176149

Report Date: 11/13/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1219998-01A	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-01B	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-02A	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-02B	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-03A	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-04A	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-04B	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-05A	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-05B	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-06A	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-06B	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-07A	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-07B	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-08A	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-08B	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-09A	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-09B	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-09C	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-09D	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-09E	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-09F	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-10A	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-10B	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-11A	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-11B	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-12A	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-12B	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days



Project Name: GILLETTE P+G**Project Number:** 0176149**Lab Number:** L1219998**Report Date:** 11/13/12**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1219998-13A	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-13B	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-14A	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)
L1219998-14B	Vial HCl preserved	A	N/A	3.4	Y	Absent	8260(14)

*Values in parentheses indicate holding time in days

Project Name: GILLETTE P+G
Project Number: 0176149

Lab Number: L1219998
Report Date: 11/13/12

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported

Report Format: Data Usability Report



Project Name: GILLETTE P+G**Lab Number:** L1219998**Project Number:** 0176149**Report Date:** 11/13/12**Data Qualifiers**

due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.**NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.**P** - The RPD between the results for the two columns exceeds the method-specified criteria.**Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)**R** - Analytical results are from sample re-analysis.**RE** - Analytical results are from sample re-extraction.**J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).**ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: GILLETTE P+G
Project Number: 0176149

Lab Number: L1219998
Report Date: 11/13/12

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised August 16, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. **NELAP Accredited Solid Waste/Soil.**

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP (Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.

Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters: (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7

for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 6010C, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050, 9065,1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082, 8082A, 8081A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. *NELAP Accredited.*

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012A, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C, 3546, 3580, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311, 1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. NELAP Accredited.
Drinking Water (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A, 3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P, BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. **NELAP Accredited via NJ-DEP.**

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commission on Environmental Quality Certificate/Lab ID: T104704476-09-1. **NELAP Accredited.**

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+-B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S²⁻ D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. **NELAP Accredited.**

Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 200.8, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:

EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnaphthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO₂ in a soil matrix, NO₃ in a soil matrix, SO₄ in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

