NASSAU UNIFORM SERVICES

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NORTHERN CORNER SOIL AND
SOIL VAPOR INVESTIGATION
525 RAY STREET
FREEPORT, NEW YORK
SITE NO. 130063
NYSDEC SPILL NO. 0751018

DECEMBER 2009
(REVISED FEBRUARY 2010)

Gannett Fleming

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EXECUTIVE SUMMARY

Gannett Fleming Engineers (GF), on behalf of the Nassau Uniform Services (NUS) has prepared this Findings Report for the perimeter soil vapor and northern corner soil investigation at 525 Ray Street in Freeport, New York. A site location map is provided as Figure 1. NUS is under an Order on Consent to remediate their site in accordance with the New York State Department of Environmental Conservation (NYSDEC) Record of Decision, Section 8, Summary of the Selected Remedy (ROD) dated March 2007.

On July 13, 2006, soil vapor samples were collected from three points surrounding the building (at the northern corner, western corner and southern corner). Analytical results at the northern corner of the building reported concentration of chlorinate volatile organic compounds (VOCs). The NYSDEC requested additional sampling to determine the extent of these impacts at the northern corner.

On August 31, 2009, GF collected soil samples from three borings adjacent to the northern corner of the building. Groundwater was encountered at five feet below ground surface (bgs). Soil samples were collected from 4.5-5 feet bgs and laboratory analyzed for VOCs, semi-volatile organic compounds (SVOCs), and metals. All VOCs, SVOCs, and metals were reported below NYS recommended soil cleanup objectives (RSCOs) and NYS Brownfields unrestricted use, restricted use-restricted residential, restricted use-commercial, and restricted use-protection of groundwater soil cleanup objectives or reported as non-detect. No further investigation is warranted related to the northern corner soil or groundwater.

Excavation within the building commenced in July 2009 to remove impacted soil at potential source areas. The existing groundwater pump and treat system (GETS) and the two soil vapor extraction systems (SVES) were taken off line at this time. Soil vapor samples were collected along the northern and eastern borders of the building on the property to determine if vapors are migrating off-site at this time. On August 31, 2009, six permanent soil vapor points were installed along the eastern and northern borders of the building.

On September 14, 2009, six soil vapor samples and one ambient air sample was collected. The highest vapors related to chlorinated volatile organic compounds were found at the western corner (SGP-1), adjacent to the canal. The total CVOC concentration was reported at 4,050 ug/m^3 in soil vapor point SPG-1, with cis-1,2-dicloroethene having the highest concentration at 3,300 ug/m^3.

GF recommends the installation of a sub-slab depressurization system within the building to mitigate vapors. This will be installed after the excavation and soil removal activities are completed (expected January 2010). The portions of the slab that were removed for the soil removal are expected to be reinstalled in February 2010. The sub-slab depressurization design drawings are presented in Appendix A. Once the sub-slab depressurization system is installed and functioning, GF will reevaluate the soil vapor conditions surrounding the building to determine if the reinstallation of the SVES is necessary.

1.0 INTRODUCTION

Gannett Fleming Engineers (GF), on behalf of the Nassau Uniform Services (NUS) has prepared this Findings Report for the perimeter soil vapor and northern corner soil investigation at 525 Ray Street in Freeport, New York. A site location map is provided as Figure 1. NUS is under an Order on Consent to remediate their site in accordance with the New York State Department of Environmental Conservation (NYSDEC) Record of Decision, Section 8, Summary of the Selected Remedy (ROD) dated March 2007.

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In August 2009, GF investigated the potential for soil and soil vapor impacts at the northern corner of the building. This report describes the on-site investigation activities, analytical results, and recommendations.

2.0 SITE HISTORY AND DESCRIPTION

2.1 Subject Property

Nassau Uniform Services (NUS) site is a 0.5 acre site located at 525 Ray Street in Freeport, New York. It is bounded to the west by a man-made tidal canal, to the north by industrial properties, and to the east by residential properties. To the south and southwest of the site location are occupied condominiums and to the northwest of the site are currently unoccupied, newly constructed condominiums. The adjacent saltwater canal flows into Milburn Creek, which is classified as a Class SC water body. This creek flows southerly to Freeport Bay.

NUS is a uniform supply company that has operated on this site since the early 1960s. Site operations for approximately 40 years included the washing and dry cleaning of industrial clothing and rags. Tetrachloroethene (PCE) was primarily used in the dry cleaning operations. All laundry activities have ceased at the site since October 2007.

2.2 Site Geology

As presented in the Remedial Action Report, dated June 22, 2006, prepared by Anson Environmental Ltd., the site's geology consists of mostly sands to four feet below grade with organic marsh deposits to approximately seven feet below grade. Underlying the organic peat layer is fine to medium and coarse-grained quartz sands with varying amounts of gravel. Fine sands, silts and traces of clays were encountered from 33 to 53 feet below grade. Prior to development, the site was believed to be part of the marsh on the eastern banks of Milburn Creek.

Groundwater is tidally influenced and ranges from five to seven feet below grade. Groundwater near the canal is brackish due to salt-water intrusion. Generally, groundwater flows to the west. The groundwater flow changes toward the south during high tide.

2.3 Historic Investigations and Remedial Actions

In 1984, a tank test suggested potential leakage from a 2,000 gallon UST containing gasoline. The tank was removed from the ground and was reported to have several holes. Spill number 84-0959 was assigned to this event. Monitoring wells were installed to monitor this spill. The tank was located at the eastern side of the NUS building near the front door. The spill was subsequently closed in December 1998.

Historically, a 2,000-gallon tetrachloroethene (PCE) tank was located at the site for more than 10 years. The tank was removed in 1990, and in 1991, soil samples from beneath the former tank were found to contain PCE. The former tank area has been identified as the primary source of the soil and groundwater contamination. Evidence of spills was also observed at the outdoor garbage disposal area in the northwest corner of the site and around the floor drains in the compressor room adjacent to the dry cleaning machines. No spill number was assigned to this contamination because there was no defined spill as the contaminants were believed to have entered the soil and groundwater over time. In 1993, the NYSDEC classified the site as a Class 2 site in the Registry of Inactive Hazardous Waste Disposal Sites in New York.

In March 2002, a blockage in a sewer line caused the wastewater from the laundry operations to overflow from an oil/water separator. The wastewater flowed through a gutter on the northern side of the building to a nearby stormwater catch basin on Ray Street and subsequently into nearby Milburn Creek. Samples collected from the oil/water separator contained oil and solvents. As a result of the spill, contaminated sediments were removed from the oil/water separator and the nearby catch basin. This spill was assigned two NYSDEC spill numbers: 01-11674 and 01-25346. The latter spill number was assigned to the spill of the wastewater into Milburn Creek.

Several remedial actions have taken place at the NUS site. One was the excavation of three cubic yards of soil and sediment from around the oil/water separator, an area that was impacted by the 2002 spill.

Two Soil Vapor Extraction Systems (SVES) were installed in 2003. They have operated at various times to treat soil and soil vapor contamination. The SVES continue to operate today.

Additionally, in 2006, a Groundwater Treatment and Extraction System (GETS) was installed to extract contaminated groundwater from three wells and treat the contaminated water in a low profile air stripping unit. The GETS is currently operating at the NUS site.

Gannett Fleming and Environmental Closures, Inc. have operated and maintained the three remediation systems at the site. Monthly operating and maintenance (O&M) logs are provided as Appendix A.

In March 2007, the NYSDEC issued the final Record of Decision for NUS. The Record of Decision included the on-going operation and maintenance of the GETS and SVES as well as excavation of soil adjacent to the oil/water separator to remove semi-volatile organic compounds and inorganic contamination in the surficial and subsurface soils and other activities as needed to protect human health and the environment. An Interim Remedial Measure (IRM) Work Plan has been prepared for the excavation work at the oil/water separator.

In October of 2007, a fuel oil spill occurred in the NUS building. The cause of the spill was failure of a 275-gallon indoor day tank. Spill Number 0751018 was assigned to this most recent spill. Fuel oil was normally pumped from two tanks located on the first floor to the day tank, located on the third floor. Fuel oil released due to the day tank failure spread to the first floor. Some of the fuel oil flowed out of the bay door on the northwest side of the building and along Ray Street (west) eventually discharging into the adjacent canal. Laundry operations ceased at this time.

NUS retained a cleanup contractor and fuel oil was removed by vacuum truck and disposed off site in accordance with regulatory requirements. Absorbent materials were placed within the canal and within adjacent sewer-connected manholes to mitigate the release in these areas. The NYSDEC observed all cleanup activities.

In June 2009, the bulkhead along Milburn Creek was replaced. In July 2009, excavation of the soil within the machine room and within the room along the creek began. Due to bulkhead replacement and excavation activities, both SVE systems and the GETS were taken off line to excavate below these structures.

3.0 SCOPE OF WORK

Soil sampling and permanent soil vapor point installation was performed on August 31, 2009. This work was used to quantify and delineate the environmental effects of the spill and to develop remedial alternatives and/or site monitoring required to protect human health and the environment.

On-site activities included the following:

- The advancement of three soil borings at the northern corner of the building,
- Soil sample collection,
- The installation of six permanent soil vapor points, and
- Soil vapor sample collection.

3.1 Soil Investigation and Sampling

On August 31, 2009, GF along with Aquifer Drilling & Testing, Inc. (ADT) advanced three soil borings at the northern corner of the building with a direct push Geoprobe rig. Each boring was advanced until groundwater was encountered. Each boring was advance to five feet below ground surface. One aliquot was placed in a sample container for laboratory analysis, while the other was placed in a plastic bag for field screening. Soil was observed for physical characteristics of impacts (staining, odor, etc.) and screened with a PID. There was no evidence of visual or olfactory evidence of impacts to soil in this area.

Soil samples were collected for laboratory analysis at the soil groundwater interface (4.5-5 feet bgs). One soil sample was obtained from each borehole for laboratory analysis. Sample bottles were placed in a cooler and packed with ice cubes to maintain a temperature of approximately 4 degrees Celsius.

The subsurface soil samples were transported under chain of custody procedures to SGS Laboratories for analysis of VOCs by United States Environmental Protection Agency (EPA) Method 8260, SVOCs by EPA method 8270 and total metal by EPA method 6010/7471.

3.2 Soil Vapor Investigation and Sampling

On August 31, 2009, six permanent soil vapor points were installed as presented on Figure 3. The soil gas points were installed to one foot above the water table (approximately 4-5 feet below grade). A Geoprobe advanced each soil vapor point using direct push technology. Each soil vapor point was constructed of six inches of one inch PVC screen and three feet of one inch PVC riser. A bentonite seal was placed from six inches below grade to surface sealing off ambient air from entering the borehole. Each point was sealed with bee's wax and a PVC cap fitted with a sample port. A flushmount manhole cover was installed to protect the soil vapor point.

After the completion of the installation of the soil gas points, each sample point was purged of ambient air using a peristaltic pump. Each point was screened for volatile organic compounds (VOCs) using a photoionization detector (PID). While purging the gas point, a helium test was performed to ensure the integrity of the bentonite seal between the ground surface and the borehole. The helium test was performed as follows:

1. A bag with a hole through the bottom was placed upside down over the borehole. The tubing was pulled through the hole in the bucket or bag.
2. Bentonite was placed along the edges of the bucket or bag to create a seal with the ground surface.
3. Helium was introduced into the bag through a small tube inserted at the base of the bag.
4. The helium detector was placed at the sample port of the tubing to determine if the helium has penetrated into the borehole. The test was deemed successful if the helium detector had a reading of less than 20% helium.

The following table describes the results of the helium test:

Sample ID	Purge Start Time	Purge End Time	PID Reading (ppm)	Helium Test Result
SPG-1	10:43	10:50	0.4	0.79%
SPG-2	10:22	10:40	0.3	1.1%
SPG-3	10:15	10:20	0.0	0.0005%
SPG-4	09:30	09:47	0.0	0.4%
SPG-5	09:48	10:02	1.2	0.91%
SPG-6	10:03	10:13	0.0	0.008%

Once the soil gas point is determined to be adequately sealed using the helium test and the purge was complete, the peristaltic pump was removed from the sample port. A 6-liter summa canister was fitted with a two-hour regulator and was installed on the sample port to begin sampling. The sample start time and vacuum (in inches of mercury) contained in the summa canister will be documented. The sample was deemed complete when the vacuum remaining in the summa canister reached between four and eight inches of mercury. The sample end time and the amount of vacuum remaining in the canister were then documented.

An ambient air sample was collected for QA/QC purposes.

Soil gas samples and the ambient air sample were submitted for VOCs analysis using USEPA Air Compendium Method TO-15 at an Environmental Laboratory Accreditation Program (ELAP)-approved laboratory.

4.0 ANALYTICAL RESULTS

A summary of the laboratory results for each soil and soil vapor sample collected from the soil boring locations are included on Tables 1 through 4. Laboratory analytical data sheets are included in Appendix B. The soil analytical results are compared to New York State Department of Environmental Conservation (NYSDEC) Recommended Soil Cleanup Objectives (RSCOs) from TAGM 4046 and Part 375 Brownfield Cleanup Objective for unrestricted use, residential use, and restricted residential use.

4.1 Soil Sample Results

Analytical results reported concentrations of VOCs as non-detect in all three soil samples.

Analytical results reported concentrations of the SVOC compounds benzo(b)fluoranthene, fluoranthene in soil sample SB-NWC-1 below NYS recommended soil cleanup objectives (RSCOs) and NYS Brownfields unrestricted use, restricted use-restricted residential, restricted use-commercial, and restricted use-protection of groundwater soil cleanup objectives. All other SVOCs were reported at non-detect in SB-NWC-1.

Analytical results reported concentrations of SVOCs as non-detect in SB-NWC-2.

Analytical results reported concentrations of the SVOC compound di-n-octyl phthalate in soil sample SB-NWC-3 below NYS RSCOs. Brownfields criteria are not established for this compound. All other SVOCs were reported at non-detect in SB-NWC-3.

Analytical results reported metals concentrations below NYS RSCOs and NYS Brownfields unrestricted use, restricted use-restricted residential, restricted use-commercial, and restricted use-protection of groundwater soil cleanup objectives.

4.2 Soil Vapor Sample Results

4.2.1 Chlorinated Volatile Organic Compounds

The following table describes the chlorinated volatile organic compounds detected in the soil vapor samples.

Compound	SGP-1	SGP-2	SGP-3	SGP-4	SGP-5	SGP-6	Ambient
VOCs (ug/m³) - EPA Method TO-15							
1,1,1-Trichloroethane	ND	25	ND	4.4	0.24 J	ND	4.2
1,1-Dichloroethane	28	0.54 J	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	0.4 J	ND	ND	ND
1,2-Dichloroethane	ND	0.17 J	ND	0.2 J	0.15 J	ND	0.76
Chloroethane	30	ND	ND	0.35 J	0.32 J	ND	ND
cis-1,2-Dichloroethene	3300	21	ND	1.6	0.42 J	2.9	ND
Tetrachloroethene	22	220	1.7	280	93	7.5	3.2
trans-1,2-Dichloroethene	200	3.6	ND	0.47 J	ND	ND	ND
Trichloroethene	170	220	0.25 J	160	0.54 J	22	2.6
Vinyl Chloride	300	ND	0.14 J	0.18 J	ND	1.2 J	ND
TOTAL VOCS	4050	490.31	2.09	447.6	94.67	33.6	10.76

Notes:
ND-Not detected
J- Estimated Value

4.2.2 Non-Chlorinated Volatile Organic Compounds

The following table describes the non-chlorinated volatile organic compounds detected in the soil vapor samples.

Compound	SGP-1	SGP-2	SGP-3	SGP-4	SGP-5	SGP-6	Ambient
VOCs (ug/m^3) - EPA Method TO-15							
1,2,4-Trimethylbenzene	ND	1.2	1.3	1.2	1.3	3.7	1.2
1,3,5-Trimethylbenzene	ND	0.33 J	9 J	0.33 J	0.38 J	1 J	0.32 J
1,3-Butadiene	ND	ND	ND	0.3 J	ND	ND	0.18 J
1,3-Dichlorobenzene	8.4 J	11	13	12	14	16	7.2
1,4-Dichlorobenzene	ND	0.47 J	0.42 J	0.4 J	0.33 J	0.66 J	0.38 J
1,4-Dioxane	ND	ND	ND	0.52 J	ND	ND	ND
2,2,4-Trimethylpentane	ND	1.1 J	2 J	1.3 J	1.2 J	660	1 J
2-Butanone	ND	10	13	9.8	9	9.7	1.2
4-Ethyltoluene	ND	1.2	1.1	1.2	1.2	2.9	1.1
4-Methyl-2-pentanone	5.5 J	9.3	9.5	10	9.5	ND	2.1
Acetone	100	79	140	140	100	120	12
Benzene	5.3 J	2.2	3.2	3	3.3	24	1.1
Bromomethane	ND	0.43 J	0.36 J	0.36 J	0.29 J	0.97 J	0.21 J
Carbon Disulfide	3.9 J	7	47	24	5.9	52	ND
Carbon Tetrachloride	ND	0.36 J	0.46 J	0.31 J	0.32 J	ND	0.57 J
Chlorobenzene	ND	0.18 J	0.27 J	0.23 J	0.29 J	0.5 J	ND
Chloroform	ND	2.1	0.36 J	1.8	ND	ND	ND
Chloromethane	ND	1 J	3.7 J	5 J	1.6 J	2.6 J	0.92 J
Cyclohexane	4.6 J	3.5	3.7	0.3 J	1.4	ND	ND
Ethyl Benzene	ND	0.67 J	0.64 J	0.68 J	0.71	1.4 J	0.49 J
Freon 11	ND	1.9	1.8	2	2.2	3.3	1.3
Freon 113	ND	0.63 J	0.63 J	0.8 J	0.6 J	ND	0.62 J
Freon 12	ND	1.6	2.2	0.81 J	1.1	3.9	1.6
Heptane	ND	1.4	1.3	1	1.4	12	0.58 J
Hexane	3.5 J	2.6	4.1	0.78	1.6	82	0.7
m,p-Xylene	ND	1.9	1.7	1.8	2	4.4	1.6
Methyl tert-butyl ether	ND	0.15 J	ND	0.15 J	0.52 J	ND	ND
Methylene Chloride	ND	0.4 J	0.57 J	0.44 J	0.77 J	ND	0.46 J
o-Xylene	ND	0.65 J	0.66 J	0.69 J	0.67	1.4 J	0.6 J
Styrene	ND	0.35 J	0.41 J	0.36 J	0.36 J	0.53 J	0.29 J
tert-Butyl alcohol	12 J	20	33	26	24	31	1.3 J
Tetrahydrofuran	ND	1.2 J	1.6 J	1.8 J	1.3 J	ND	ND
Toluene	7.8 J	9.8	7.4	13	10	17	3.8
TOTAL VOCS	151	173.62	304.38	262.13	197.24	1050.96	42.82

Notes:
ND-Not detected
J- Estimated Value

5.0 CONCLUSIONS AND RECOMMENDATIONS

On August 31, 2009, GF collected soil samples from three borings adjacent to the northern corner of the building. Groundwater was encountered at five feet below ground surface (bgs). Soil samples were collected from 4.5-5 feet bgs and laboratory analyzed for VOCs, semi-volatile organic compounds (SVOCs), and metals. All VOCs, SVOCs, and metals were reported below NYS recommended soil cleanup objectives (RSCOs) and NYS Brownfields unrestricted use, restricted use-restricted residential, restricted use-commercial, and restricted use-protection of groundwater soil cleanup objectives or reported as non-detect. No further investigation is warranted related to the northern corner soil or groundwater.

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FIGURES

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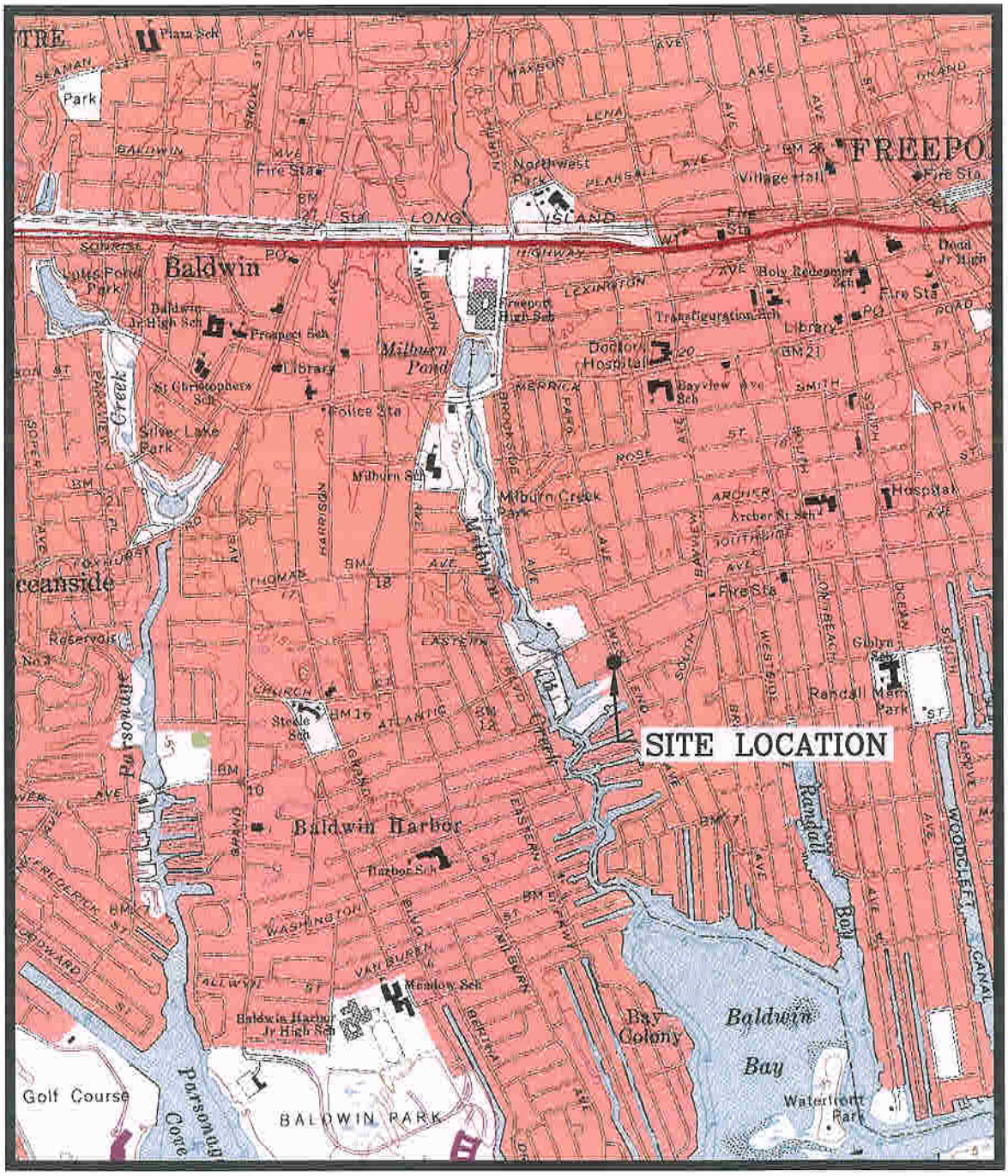
FIGURE 1

NASSAU UNIFORM SERVICES
525 RAY STREET
FREEPORT, NEW YORK



SCALE 1"=2000'

U.S.G.S.7.5 MINUTE QUADRANGLE
FREEPORT, NEW YORK

LOCATION MAP

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FIGURE 2

RAY STREET

DRIVEWAY

OIL/WATER SEPARATOR IN CONTAINMENT

FENCED AREA

BULKHEAD

MILBURN CREEK

3-STORY CONCRETE BLOCK BUILDING

ASPHALT PARKING AREA

SIDEWALK

GRASS AREA

ASPHALT PARKING AREA

WESTEND AVENUE

0 20

Scale In Feet

SITE PLAN

NASSAU UNIFORM SERVICES

FREEPORT, NEW YORK

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FIGURE 3

RAY STREET

SGP-1

SGP-2

SB-NWC-2/SGP-3

DRIVEWAY

SB-NWC-1

SB-NWC-3

SGP-4

OIL/WATER SEPARATOR IN CONTAINMENT

FENCED AREA

SIDEWALK

AMBIENT

BULKHEAD

MILBURN CREEK

3-STORY CONCRETE BLOCK BUILDING

SGP-5

ASPHALT PARKING AREA

GRASS AREA

SGP-6

WESTEND AVENUE

ASPHALT PARKING AREA

0 20

Scale In Feet

LEGEND:

⊙ SB-NWC-1 – SOIL BORING LOCATION

⊕ SGP-5 – SOIL GAS POINTS (PERMANENT)

• AMBIENT – AMBIENT AIR SAMPLE

NORTHWEST CORNER SOIL BORING LOCATIONS AND SOIL GAS POINTS

NASSAU UNIFORM SERVICES

FREEPORT, NEW YORK

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TABLES

TABLE 1
SOIL ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS (VOCs)
NORTHERN CORNER

NASSAU UNIFORM SERVICES
525 RAY STREET
FREEPORT, NEW YORK

Compound	NYSDEC TAGM Recommended Soil Cleanup Objectives (RSCOs)	NYSDEC Brownfields Unrestricted Use Soil Cleanup Objectives	NYSDEC Brownfields Restricted Use Soil Cleanup Objective-Resticted Residential	NYSDEC Brownfields Restricted Use Soil Cleanup Objective-Protection of Public Health-Commercial	NYSDEC Brownfields Restricted Use Soil Cleanup Objectives-Protection of Groundwater	SB-NWC-1	SB-NWC-2	SB-NWC-3
Date						8/31/2009	8/31/2009	8/31/2009
VOCs (ug/kg) - EPA Method 8260								
1,1,1,2-Tetrachloroethane	---	---	---	---	---	1.01 U	1.14 U	1.1 U
1,1,1-Trichloroethane	800	680	100,000	500,000	680	1.11 U	1.27 U	1.22 U
1,1,2,2-Tetrachloroethane	600	---	---	---	---	1.11 U	1.27 U	1.22 U
1,1,2-Trichloroethane	---	---	---	---	---	1.62 U	1.84 U	1.77 U
1,1-Dichloroethane	200	270	26,000	240,000	270	1.04 U	1.19 U	1.14 U
1,1-Dichloroethene	400	330	100,000	500,000	330	1.46 U	1.66 U	1.6 U
1,1-Dichloropropene	---	---	---	---	---	1.55 U	1.76 U	1.69 U
1,2,3-Trichlorobenzene	---	---	---	---	---	1.03 U	1.17 U	1.12 U
1,2,3-Trichloropropane	400	---	---	---	---	1.22 U	1.39 U	1.34 U
1,2,4-Trichlorobenzene	3400	---	---	---	---	1.02 U	1.16 U	1.11 U
1,2,4-Trimethylbenzene	---	3,600	52,000	190,000	3,600	1.24 U	1.41 U	1.36 U
1,2-Dibromo-3-chloropropane	---	---	---	---	---	1.43 U	1.63 U	1.56 U
1,2-Dibromoethane (EDB)	---	---	---	---	---	1.11 U	1.27 U	1.22 U
1,2-Dichlorobenzene	7900	1,100	100,000	500,000	1,100	1.27 U	1.45 U	1.39 U
1,2-Dichloroethane	100	20	3,100	30,000	20	1.3 U	1.48 U	1.42 U
1,2-Dichloropropane	---	---	---	---	---	1.16 U	1.32 U	1.27 U
1,3,5-Trimethylbenzene	3300	8,400	52,000	190,000	8,400	1.12 U	1.28 U	1.23 U
1,3-Dichlorobenzene	1600	2,400	49,000	280,000	2,400	1.26 U	1.44 U	1.38 U
1,3-Dichloropropane	300	---	---	---	---	1.1 U	1.26 U	1.21 U
1,4-Dichlorobenzene	8500	1,800	13,000	130,000	1,800	1.04 U	1.18 U	1.13 U
2,2-Dichloropropane	---	---	---	---	---	1.18 U	1.35 U	1.29 U
2-Butanone	300	120	100,000	500,000	120	5.35 U	6.09 U	5.86 U
2-Chlorotoluene	---	---	---	---	---	0.996 U	1.13 U	1.09 U
2-Hexanone	---	---	---	---	---	3.19 U	3.64 U	3.5 U
4-Chlorotoluene	---	---	---	---	---	1.23 U	1.4 U	1.35 U
4-Isopropyltoluene	10000	---	---	---	---	1.05 U	1.2 U	1.15 U
4-Methyl-2-pentanone	---	---	---	---	---	4.56 U	5.19 U	5 U
Acetone	200	50	100,000	500,000	50	6.81 U	7.75 U	7.46 U
Benzene	---	60	4,800	44,000	60	1.05 U	1.2 U	1.15 U
Bromobenzene	---	---	---	---	---	1.02 U	1.16 U	1.11 U
Bromochloromethane	---	---	---	---	---	1.7 U	1.93 U	1.86 U
Bromodichloromethane	---	---	---	---	---	0.978 U	1.11 U	1.07 U
Bromoform	---	---	---	---	---	0.986 U	1.12 U	1.08 U
Bromomethane	---	---	---	---	---	1.04 U	1.18 U	1.13 U
Carbon disulfide	2700	---	---	---	---	2.64 U	3.01 U	2.89 U
Carbon tetrachloride	600	760	2,400	22,000	760	1.01 U	1.14 U	1.1 U
Chlorobenzene	1700	1,100	100,000	500,000	1,100	1.17 U	1.34 U	1.28 U
Chloroethane	1900	---	---	---	---	1.57 U	1.78 U	1.72 U
Chloroform	300	370	49,000	350,000	370	1.18 U	1.35 U	1.29 U
Chloromethane	---	---	---	---	---	1.11 U	1.27 U	1.22 U
cis-1,2-Dichloroethene	300	250	100,000	500,000	250	1.26 U	1.44 U	1.38 U
cis-1,3-Dichloropropene	---	---	---	---	---	0.821 U	0.935 U	0.899 U
Dibromochloromethane	---	---	---	---	---	1.36 U	1.55 U	1.49 U
Dibromomethane	---	---	---	---	---	1.49 U	1.69 U	1.63 U
Dichlorodifluoromethane	---	---	---	---	---	1.3 U	1.48 U	1.42 U
Diisopropyl ether (DIPE)	---	---	---	---	---	1.11 U	1.27 U	1.22 U
Ethylbenzene	5500	1,000	41,000	390,000	1,000	0.854 U	0.972 U	0.934 U
Hexachlorobutadiene	---	---	---	---	---	0.961 U	1.09 U	1.05 U
Iodomethane	---	---	---	---	---	1.06 U	1.21 U	1.17 U
Isopropylbenzene	2300	---	---	---	---	0.875 U	0.996 U	0.958 U
m-,p-Xylene	1200	260*	100,000	500,000	1,600	1.89 U	2.15 U	2.07 U
Methylene chloride	100	50	100,000	500,000	50	1.17 U	1.34 U	1.28 U
Methyl-tert-butyl ether (MTBE)	---	930	100,000	500,000	930	1.09 U	1.25 U	1.2 U
Naphthalene	1300	---	---	500,000	12,000	0.838 U	0.954 U	0.917 U
n-Butylbenzene	10000	12,000	100,000	500,000	12,000	0.941 U	1.07 U	1.03 U
n-Propyl benzene	3700	3,900	100,000	500,000	3,900	1.24 U	1.41 U	1.36 U
o-Xylene	1200	260*	100,000	500,000	1,600	0.955 U	1.09 U	1.05 U
sec-Butylbenzene	10000	11,000	100,000	500,000	11,000	0.996 U	1.13 U	1.09 U
Styrene	---	---	---	---	---	1.08 U	1.23 U	1.19 U
tert-Butylbenzene	300	5,900	100, 000	500,000	---	1.1 U	1.26 U	1.21 U
Tetrachloroethene	1400	1,300	19,000	150,000	5,900	0.903 U	1.03 U	0.988 U
Toluene	1500	700	100,000	500,000	1,300	0.983 U	1.12 U	1.08 U
trans-1,2-dichloroethene	300	190	100,000	500,000	190	1.11 U	1.27 U	1.22 U
trans-1,3-Dichloropropene	---	---	---	---	---	0.949 U	1.08 U	1.04 U
trans-1,4-Dichloro-2-butene	---	---	---	---	---	1.36 U	1.55 U	1.49 U
Trichloroethene	700	470	21,000	200,000	470	0.94 U	1.07 U	1.03 U
Trichlorofluoromethane	---	---	---	---	---	1.02 U	1.16 U	1.11 U
Vinyl chloride	200	20	900	13,000	20	1.34 U	1.53 U	1.47 U
TOTAL VOCS	10000.00	---	---	---	---	ND	ND	ND

NYSDEC: New York State Department of Environmental Conservation
TAGM: Technical and Administrative Guidance Memorandum #4046
All units are micrograms per kilogram (ug/kg) - parts per billion (ppb)
Concentrations reported on a dry-weight basis
Sample analysis by SGS Laboratories, Inc.
--- - No standard available
U- not detected below method detection limit
J- Estimated Value

TABLE 2
SOIL ANALYTICAL RESULTS
SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)
NORTHERN CORNER

NASSAU UNIFORM SERVICES
525 RAY STREET
FREEPORT, NEW YORK

Compound	NYSDEC TAGM Recommended Soil Cleanup Objectives (RSCOs)	NYSDEC Brownfields Unrestricted Use Soil Cleanup Objectives	NYSDEC Brownfields Restricted Use Soil Cleanup Objective-Resticted Residential	NYSDEC Brownfields Restricted Use Soil Cleanup Objective-Protection of Public Health-Commercial	NYSDEC Brownfields Restricted Use Soil Cleanup Objectives-Protection of Groundwater	SB-NWC-1	SB-NWC-2	SB-NWC-3
Date						8/31/2009	8/31/2009	8/31/2009
SVOCs (ug/kg) - EPA Method 8270								
2,4,5-Trichlorophenol	100	---	---	---	---	322 U	350 U	373 U
2,4,6-Trichlorophenol	---	---	---	---	---	322 U	350 U	373 U
2,4-Dichlorophenol	400	---	---	---	---	322 U	350 U	373 U
2,4-Dimethylphenol	---	---	---	---	---	322 U	350 U	373 U
2,4-Dinitrophenol	200 or MDL	---	---	---	---	1610 U	1750 U	1870 U
2,4-Dinitrotoluene	---	---	---	---	---	322 U	350 U	373 U
2,6-Dinitrotoluene	1,000	---	---	---	---	322 U	350 U	373 U
2-Chloronaphthalene	---	---	---	---	---	322 U	350 U	373 U
2-Chlorophenol	800	---	---	---	---	322 U	350 U	373 U
2-Methylnaphthalene	36,400	---	---	---	---	322 U	350 U	373 U
2-Methylphenol (o-cresol)	100 or MDL	330	100,000	500,000	330	322 U	350 U	373 U
2-Nitroaniline	430 or MDL	---	---	---	---	322 U	350 U	373 U
2-Nitrophenol	330 or MDL	---	---	---	---	322 U	350 U	373 U
3+4-Methylphenols	900	660	100,000	1,000,000	660	322 U	350 U	373 U
3,3-Dichlorobenzidine	---	---	---	---	---	644 U	701 U	747 U
3-Nitroaniline	500 or MDL	---	---	---	---	1610 U	1750 U	1870 U
4,6-Dinitro-2-methylphenol	---	---	---	---	---	1610 U	1750 U	1870 U
4-Bromophenyl phenyl ether	---	---	---	---	---	322 U	350 U	373 U
4-Chloro-3-methylphenol	240 or MDL	---	---	---	---	322 U	350 U	373 U
4-Chloroaniline	220 or MDL	---	---	---	---	1610 U	1750 U	1870 U
4-Chlorophenyl phenyl ether	---	---	---	---	---	322 U	350 U	373 U
4-Nitroaniline	---	---	---	---	---	1610 U	1750 U	1870 U
4-Nitrophenol	100 or MDL	---	---	---	---	1610 U	1750 U	1870 U
Acenaphthene*	50,000	20,000	100,000	500,000	98,000	322 U	350 U	373 U
Acenaphthylene*	50,000	100,000	100,000	500,000	107,000	322 U	350 U	373 U
Anthracene*	50,000	100,000	100,000	500,000	1,000,000	322 U	350 U	373 U
Benzo (a)anthracene*	224 or MDL	1,000	1,000	5,600	1,000	322 U	350 U	373 U
Benzo (a)pyrene*	61 or MDL	1,000	1,000	1,000	22,000	322 U	350 U	373 U
Benzo (b)fluoranthene*	220 or MDL	1,000	1,000	5,600	1,700	99.8 J	350 U	373 U
Benzo (ghi) perylene*	50,000	100,000	100,000	500,000	1,000,000	322 U	350 U	373 U
Benzo (k)fluoranthene*	220	800	3,900	56,000	1,700	322 U	350 U	373 U
Benzoic acid	---	---	---	---	---	644 U	701 U	747 U
Bis(2-chloroethoxy)methane	---	---	---	---	---	322 U	350 U	373 U
Bis(2-chloroethyl)ether	---	---	---	---	---	322 U	350 U	373 U
Bis(2-chloroisopropyl)ether			---			322 U	350 U	373 U
Bis(2-ethylhexyl)phthalate	50,000	---	---	---	---	322 U	350 U	373 U
Butylbenzylphthalate	50,000	---	---	---	---	322 U	350 U	373 U
Chrysene*	400	1,000	1,000	56,000	1,000	322 U	350 U	373 U
Dibenzo (a,h) anthracene*	14.3 or MDL	330	330	560	1,000,000	322 U	350 U	373 U
Dibenzofuran	6,200	---	---	---	---	322 U	350 U	373 U
Diethyl Phthalate	7,100	---	---	---	---	322 U	350 U	373 U
Dimethyl Phthalate	2,000	---	---	---	---	322 U	350 U	373 U
Di-n-Butyl Phthalate	8,100	---	---	---	---	322 U	350 U	373 U
Di-n-octyl Phthalate	50,000	---	---	---	---	322 U	350 U	366 J
Diphenylamine	---	---	---	---	---	322 U	350 U	373 U
Fluoranthene*	50,000	100,000	100,000	500,000	1,000,000	54.7 J	350 U	373 U
Fluorene*	50,000	30,000	100,000	500,000	386,000	322 U	350 U	373 U
Hexachlorobenzene	410	---	---	---	---	322 U	350 U	373 U
Hexachlorobutadiene	---	---	---	---	---	322 U	350 U	373 U
Hexachlorocyclopentadiene	---	---	---	---	---	644 U	701 U	747 U
Hexachloroethane	---	---	---	---	---	322 U	350 U	373 U
Indeno (1,2,3-cd) pyrene*	3,200	500	500	5,600	8,200	322 U	350 U	373 U
Isophorone	4,400	---	---	---	---	322 U	350 U	373 U
Naphthalene*	13,000	12,000	100,000	500,000	12,000	322 U	350 U	373 U
Nitrobenzene	200 or MDL	---	---	---	---	322 U	350 U	373 U
Pentachlorophenol (ms)	1,000 or MDL	800	6,700	6,700	800	1610 U	1750 U	1870 U
Phenanthrene*	50,000	100,000	100,000	500,000	1,000,000	322 U	350 U	373 U
Phenol	30 or MDL	330	100,000	500,000	330	322 U	350 U	373 U
Pyrene*	50,000	100,000	100,000	500,000	1,000,000	322 U	350 U	373 U
Total SVOCs	500,000	---	---	---	---	154.5	ND	366

NYSDEC: New York State Department of Environmental Conservation
TAGM: Technical and Administrative Guidance Memorandum #4046
All units are micrograms per kilogram (ug/kg) - parts per billion (ppb)
Concentrations reported on a dry-weight basis
Sample analysis by SGS Laboratories, Inc.
--- - No standard available
U- not detected below method detection limit
J- Estimated Value

TABLE 3
SOIL ANALYTICAL RESULTS
METALS
NORTHERN CORNER

NASSAU UNIFORM SERVICES
525 RAY STREET
FREEPORT, NEW YORK

METALS	NYSDEC TAGM Recommended Soil Cleanup Objectives (RSCOs)	NYSDEC Brownfields Unrestricted Use Soil Cleanup Objectives	NYSDEC Brownfields Restricted Use Soil Cleanup Objective-Resticted Residential	NYSDEC Brownfields Restricted Use Soil Cleanup Objective-Protection of Public Health-Commercial	NYSDEC Brownfields Restricted Use Soil Cleanup Objectives-Protection of Groundwater	SB-NWC-1 (4.5-5)	SB-NWC-2 (4.5-5)	SB-NWC-3 (4.5-5)
Date						8/31/2009	8/31/2009	8/31/2009
Metals (mg/kg) - EPA Method 6010								
Aluminum	SB	---	---	---	---	5630 B	6560 B	7140 B
Antimony	SB	---	---	---	---	3.69 U	3.81 U	4.23 U
Arsenic	7.5 or SB	13	16	16	16	2.47	2.78	3.14
Barium	300 or SB	350	400	400	820	11.6 B	11.2 B	12.5 B
Beryllium	0.16 SB	7.2	72	590	47	0.922 U	0.953 U	1.06 U
Cadmium	1 or SB	2.5	4.3	9	7.5	0.131 JB	0.19 JB	0.144 JB
Calcium	SB	---	---	---	---	631 B	443 B	465 B
Chromium	10 or SB	1/30*	---	400	19	6.97 B	7.87 B	7.83 B
Cobalt	30 or SB	---	---	---	---	1.93	2.67	3.15
Copper	25 or SB	50	270	270	1720	3.88 B	5.13 B	4.63 B
Iron	2,000 or SB	---	---	---	---	7940 B	6840 B	8960 B
Lead	SB *	63	400	1000	450	4.84 B	4.4 B	4.78 B
Magnesium	SB	---	---	---	---	929	1350	1090
Manganese	SB	1,600	2,000	10000	2000	31.1 B	36.2 B	49.6 B
Mercury	0.1	0.18	0.81	2.8	0.73	0.00454 J	0.00556 J	0.0112 J
Nickel	13 or SB	30	310	310	130	3.95	4.97	5.06
Potassium	SB	---	---	---	---	234 B	327 B	308 B
Selenium	2 or SB	3.9	180	1500	4	2.2	1.94	2.69
Silver	SB	2	180	1500	8.3	0.516 JB	0.537 JB	0.632 JB
Sodium	SB	---	---	---	---	30.7 B	46.2 B	31 B
Thallium	SB	---	---	---	---	0.931	0.953 U	0.958 J
Vanadium	150 or SB	---	---	---	---	10.1	11.9	12.1
Zinc	20 or SB	109	10,000	10000	2480	10.2 B	11.3 B	11.5 B

NYSDEC: New York State Department of Environmental Conservation
TAGM: Technical and Administrative Guidance Memorandum #4046
All units are milligrams per kilogram (mg/kg) - parts per million (ppm)
Concentrations reported on a dry-weight basis
Sample analysis by SGS Laboratories, Inc.
--- - No standard available
U- not detected below method detection limit
J- Estimated Value
B- Analyte found in the associate blank

TABLE 4
SOIL GAS ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS (VOCs)

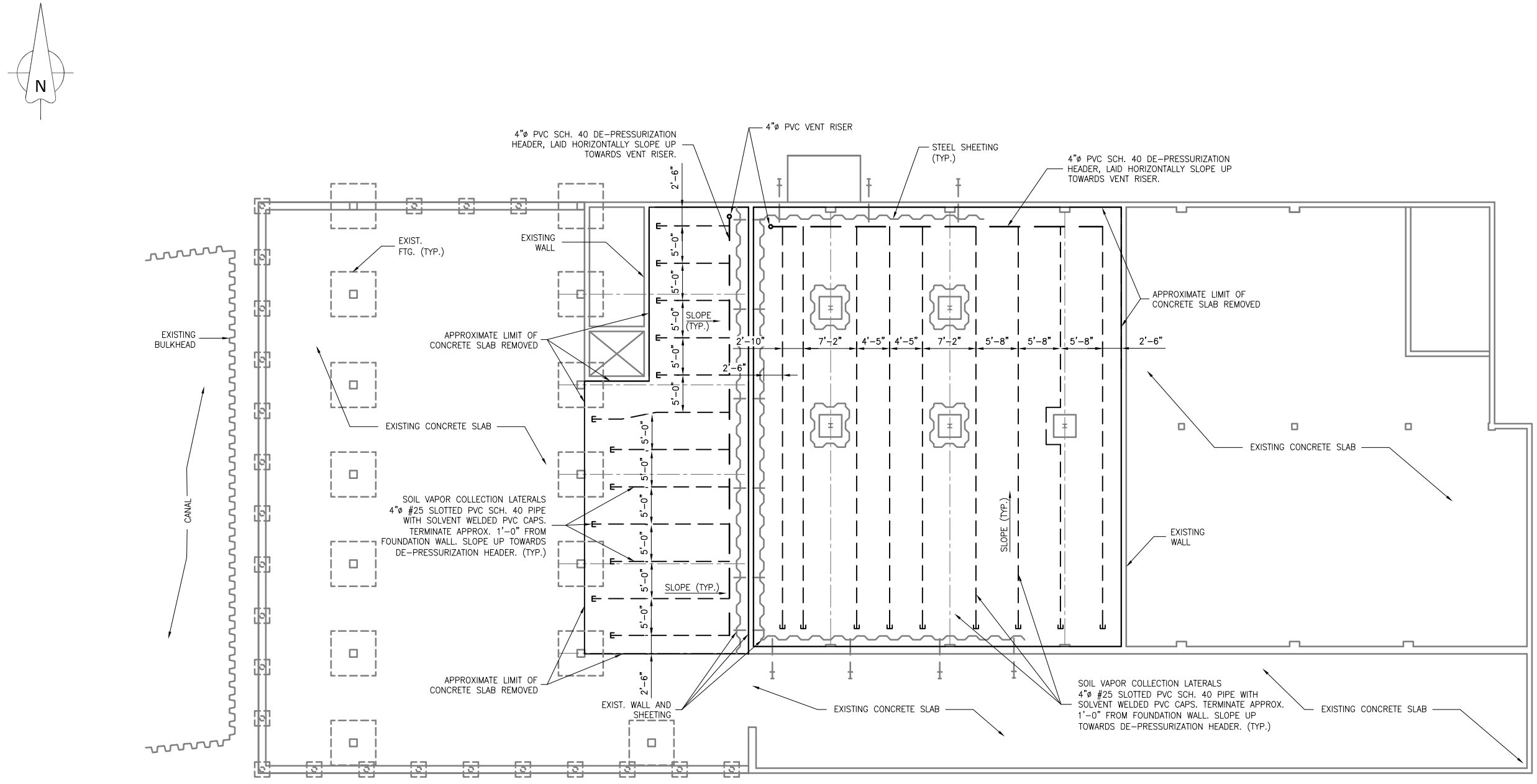
NASSAU UNIFORM SERVICES
525 RAY STREET
FREEPORT, NEW YORK

Compound	Ambient	SGP-1	SGP-2	SGP-3	SGP-4	SGP-5	SGP-6
Date	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009	9/14/2009
VOCs (ug/m^3) - EPA Method TO-15							
1,1,1-Trichloroethane	4.2	16 U	25	0.93 U	4.4	0.24 J	2.9 U
1,1,2,2-Tetrachloroethane	1.0 U	20 U	1.1 U	1.2 U	1.2 U	1.0 U	3.7 U
1,1,2-Trichloroethane	0.83 U	16 U	0.84 U	0.93 U	0.92 U	0.83 U	2.9 U
1,1-Dichloroethane	0.62 U	28	0.54 J	0.69 U	0.68 U	0.62 U	2.2 U
1,1-Dichloroethene	0.60 U	12 U	0.61 U	0.68 U	0.40 J	0.60 U	2.1 U
1,2,4-Trichlorobenzene	5.6 UJ	110 UJ	5.8 UJ	6.3 UJ	6.2 UJ	5.6 UJ	20 UJ
1,2,4-Trimethylbenzene	1.2	15 U	1.2	1.3	1.2	1.3	3.7
1,2-Dibromoethane (EDB)	1.2 U	23 U	1.2 U	1.3 U	1.3 U	1.2 U	4.1 U
1,2-Dichlorobenzene	0.91 U	18 U	0.93 U	1.0 U	1.0 U	0.91 U	3.2 U
1,2-Dichloroethane	0.76	12 U	0.17 J	0.69 U	0.20 J	0.15 J	2.2 U
1,2-Dichloropropane	0.70 U	14 U	0.72 U	0.79 U	0.78 U	0.70 U	2.5 U
1,3,5-Trimethylbenzene	0.32 J	15 U	0.33 J	9 J	0.33 J	0.38 J	1.0 J
1,3-Butadiene	0.18 J	6.6 U	0.34 U	0.38 U	0.30 J	0.34 U	1.2 U
1,3-Dichlorobenzene	7.2	8.4 J	11	13	12	14	16
1,4-Dichlorobenzene	0.38 J	18 U	0.47 J	0.42 J	0.40 J	0.33 J	0.66 J
1,4-Dioxane	0.55 U	11 U	0.56 U	0.62 U	0.52 J	0.55 U	1.9 U
2,2,4-Trimethylpentane	1.0 J	70 U	1.1 J	2.0 J	1.3 J	1.2 J	660
2-Butanone (Methyl Ethyl Ketone)	1.2	8.8 U	10	13	9.8	9.0	9.7
2-Chlorotoluene	3.9 U	77 U	4.0 U	4.4 U	4.3 U	3.9 U	14 U
3-Chloropropene	2.4 U	47 U	2.4 U	2.7 U	2.6 U	2.4 U	8.4 U
4-Ethyltoluene	1.1	15 U	1.2	1.1	1.2	1.2	2.9
4-Methyl-2-pentanone	2.1	5.5 J	9.3	9.5	10	9.5	2.2 U
Acetone	12	100	79	140	140	100	120
Benzene	1.1	5.3 J	2.2	3.2	3.0	3.3	24
Bromodichloromethane	1.0 U	20 U	1.0 U	1.1 U	1.1 U	1.0 U	3.6 U
Bromoform	1.6 U	31 U	1.6 U	1.8 U	1.7 U	1.6 U	5.6 U
Bromomethane	0.21 J	12 U	0.43 J	0.36 J	0.36 J	0.29 J	0.97 J
Carbon Disulfide	2.4 U	3.9 J	7.0	47	24	5.9	52
Carbon Tetrachloride	0.57 J	19 U	0.36 J	0.46 J	0.31 J	0.32 J	3.4 U
Chlorobenzene	0.70 U	14 U	0.18 J	0.27 J	0.23 J	0.29 J	0.50 J
Chloroethane	0.40 U	30	0.41 U	0.45 U	0.35 J	0.32 J	1.4 U
Chloroform	0.74 U	14 U	2.1	0.36 J	1.8	0.74 U	2.6 U
Chloromethane	0.92 J	6.2 U	1.0 J	3.7 J	5.0 J	1.6 J	2.6 J
cis-1,2-Dichloroethene	0.60 U	3300	21	0.68 U	1.6	0.42 J	2.9
cis-1,3-Dichloropropene	0.69 U	14 U	0.70 U	0.78 U	0.76 U	0.69 U	2.4 U
Cyclohexane	0.52 U	4.6 J	3.5	3.7	0.30 J	1.4	1.8 U
Dibromochloromethane	1.3 U	25 U	1.3 U	1.4 U	1.4 U	1.3 U	4.6 U
Ethyl Benzene	0.49 J	13 U	0.67 J	0.64 J	0.68 J	0.71	1.4 J
Freon 11	1.3	17 U	1.9	1.8	2.0	2.2	3.3
Freon 113	0.62 J	23 U	0.63 J	0.63 J	0.80 J	0.60 J	4.1 U
Freon 114	1.1 U	21 U	1.1 U	1.2 U	1.2 U	1.1 U	3.8 U
Freon 12	1.6	15 U	1.6	2.2	0.81 J	1.1	3.9
Heptane	0.58 J	12 U	1.4	1.3	1.0	1.4	12
Hexachlorobutadiene	8.1 U	160 U	8.3 U	9.1 U	9.0 U	8.1 U	29 U
Hexane	0.70	3.5 J	2.6	4.1	0.78	1.6	82
m,p-Xylene	1.6	13 U	1.9	1.7	1.8	2.0	4.4
Methyl tert-butyl ether	0.55 U	11 U	0.15 J	0.62 U	0.15 J	0.52 J	1.9 U
Methylene Chloride	0.46 J	21 U	0.40 J	0.57 J	0.44 J	0.77 J	3.7 U
o-Xylene	0.60 J	13 U	0.65 J	0.66 J	0.69 J	0.67	1.4 J
Styrene	0.29 J	13 U	0.35 J	0.41 J	0.36 J	0.36 J	0.53 J
tert-Butyl alcohol	1.3 J	12 J	20	33	26	24	31
Tetrachloroethene	3.2	22	220	1.7	280	93	7.5
Tetrahydrofuran	2.2 U	44 U	1.2 J	1.6 J	1.8 J	1.3 J	7.9 U
Toluene	3.8	7.8 J	9.8	7.4	13	10	17
trans-1,2-Dichloroethene	0.60 U	200	3.6	0.68 U	0.47 J	0.60 U	2.1 U
trans-1,3-Dichloropropene	0.69 U	14 U	0.70 U	0.78 U	0.76 U	0.69 U	2.4 U
Trichloroethene	2.6	170	220	0.25 J	160	0.54 J	22
Vinyl Bromide	3.3 U	65 U	3.4 U	3.7 U	3.7 U	3.3 U	12 U
Vinyl Chloride	0.39 U	300	0.40 U	0.14 J	0.18 J	0.39 U	1.2 J
TOTAL VOCS	53.58	4201	663.93	303.27	709.96	291.91	1084.56

All units are micrograms per cubic meter (ug/m^3)
Concentrations reported on a dry-weight basis
Sample analysis by Air Toxics
U- not detected below method detection limit
J- Estimated Value

APPENDIX A

Sub-slab Depressurization System Design Drawings



NOTES:

1. THE SUB-SLAB DE-PRESSURIZATION SYSTEM (SSDS) SHOWN HEREIN IS REFERENCED TO A FOOTING PLAN DESIGN PREPARED BY PETRACCA DESIGN AND ENGINEERING, P.C.. THE FOUNDATION DESIGN IS SHOWN "AS RECEIVED" FROM PETRACCA DESIGN AND ENGINEERING, P.C. AND HAS NOT BEEN SUBJECT TO TECHNICAL REVIEW BY GANNETT FLEMING. THE INTENT OF THE SSDS/FOUNDATION DESIGN IS TO SHOW THE ENTIRE WORK AS A BASIS FOR PERMITS AND BIDS. AS, SUCH, IT IS CONCEPTUAL AND IS NOT INTENDED TO SHOW CONSTRUCTABILITY OR CONVEY ASSURANCE OF ANY AS-BUILT.
2. LAYOUT BASED ON "FOOTING PLAN", PREPARED BY PETRACCA DESIGN AND ENGINEERING, P.C. DATED DECEMBER, 2009.
3. FOR BUILDING DIMENSIONS SEE STRUCTUDAL/ARCHITECTURAL DRAWINGS.
4. ALL PVC PIPING SHALL BE ASTM D1785. ALL PVC JOINTS TO BE SOLVENT WELDED.

0 4 16
SCALE: 1/8" = 1'-0"

No.	DESCRIPTION	DATE	BY
	REVISIONS		

DRAWN	MSA
DESIGNED	VF
APPROVED	FP
SCALE	1/8"=1'-0"
JOB No.	47750.009
DATE	DEC. 2009

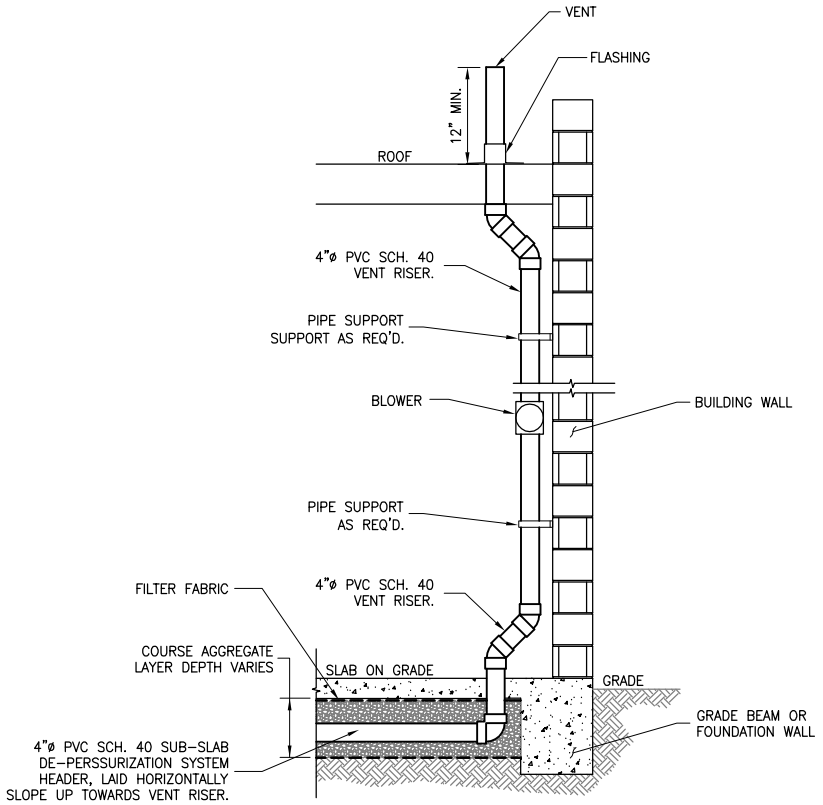
Gannett Fleming
HARRISBURG, PENNSYLVANIA LOCUST VALLEY, NEW YORK

PROJECT
SUB-SLAB DE-PRESSURIZATION SYSTEM
NASSAU UNIFORM SERVICES
FREEPORT, NEW YORK

TITLE
BELOW SLAB PIPING PLAN

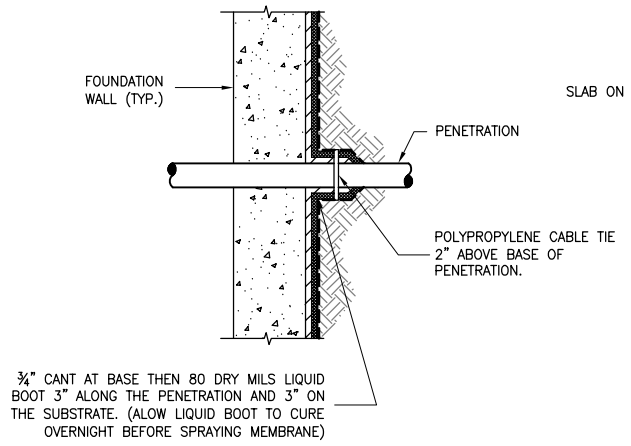
SHEET No.
V101

12/14/09 2:46pm FILE= K:\PROJECTS\47000's\47750\009\DESIGN\V-101 SYSTEM PLAN.dwg by MAMBROSIO XREFs=FOUNDATION PLAN,

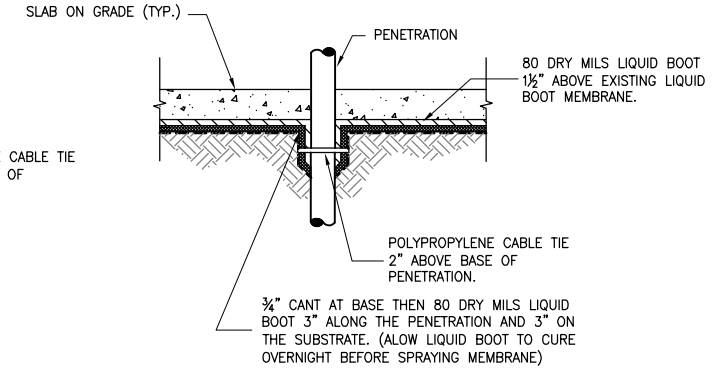


VENT RISER DETAILS

NOT TO SCALE



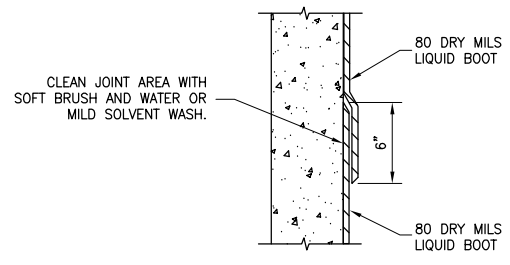
WALL PENETRATION (IF REQUIRED)



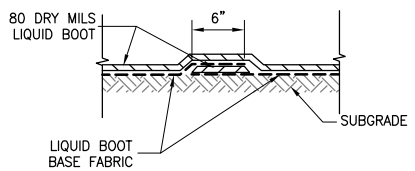
SLAB PENETRATION

TYPICAL SUB-SLAB DE-PRESSURIZATION SYSTEM PENETRATION DETAILS

NOT TO SCALE



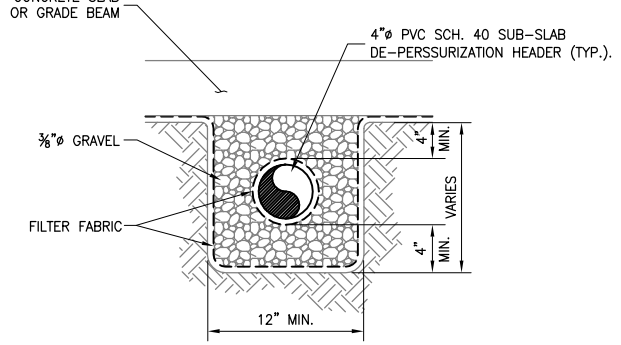
WALL LAP (IF REQUIRED)



GEOTEXTILE LAP

TYPICAL SUB-SLAB DE-PRESSURIZATION SYSTEM LAP JOINT DETAILS

NOT TO SCALE



TYPICAL SUB-SLAB DE-PRESSURIZATION SYSTEM TRENCH DETAIL

NOT TO SCALE

NOTES:

1. THE SUB-SLAB DE-PRESSURIZATION SYSTEM (SSDS) SHOWN HEREIN IS REFERENCED TO A FOOTING PLAN DESIGN PREPARED BY PETRACCA DESIGN AND ENGINEERING, P.C.. THE FOUNDATION DESIGN IS SHOWN "AS RECEIVED" FROM PETRACCA DESIGN AND ENGINEERING, P.C. AND HAS NOT BEEN SUBJECT TO TECHNICAL REVIEW BY GANNETT FLEMING. THE INTENT OF THE SSDS/FOUNDATION DESIGN IS TO SHOW THE ENTIRE WORK AS A BASIS FOR PERMITS AND BIDS. AS, SUCH, IT IS CONCEPTUAL AND IS NOT INTENDED TO SHOW CONSTRUCTABILITY OR CONVEY ASSURANCE OF ANY AS-BUILT.
2. LAYOUT BASED ON "FOOTING PLAN", PREPARED BY PETRACCA DESIGN AND ENGINEERING, P.C. DATED DECEMBER, 2009.
3. FOR BUILDING DIMENSIONS SEE STRUCTUDAL/ARCHITECTURAL DRAWINGS.
4. ALL PVC PIPING SHALL BE ASTM D1785. ALL PVC JOINTS TO BE SOLVENT WELDED.

No.	DESCRIPTION	DATE	BY
	REVISIONS		

DRAWN	MSA
DESIGNED	VF
APPROVED	FP
SCALE	NONE
JOB No.	47750.009
DATE	DEC. 2009

Gannett Fleming

HARRISBURG, PENNSYLVANIA LOCUST VALLEY, NEW YORK

PROJECT

SUB-SLAB DE-PRESSURIZATION SYSTEM

NASSAU UNIFORM SERVICES

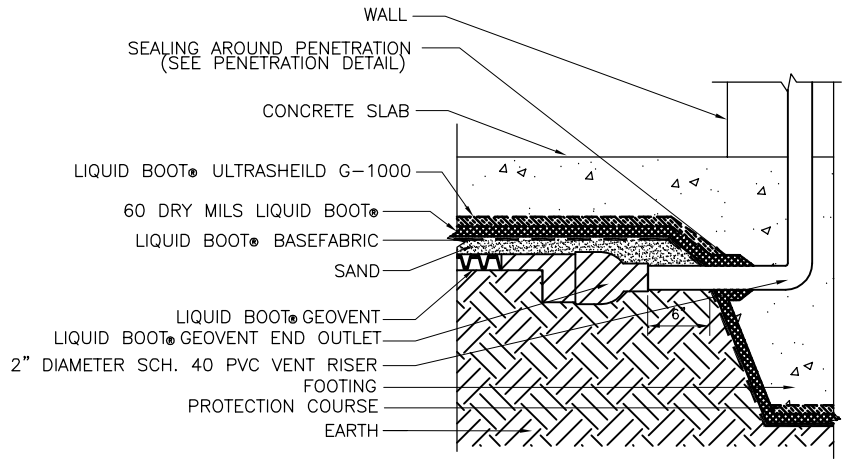
FREEPORT, NEW YORK

TITLE

SYSTEM DETAILS

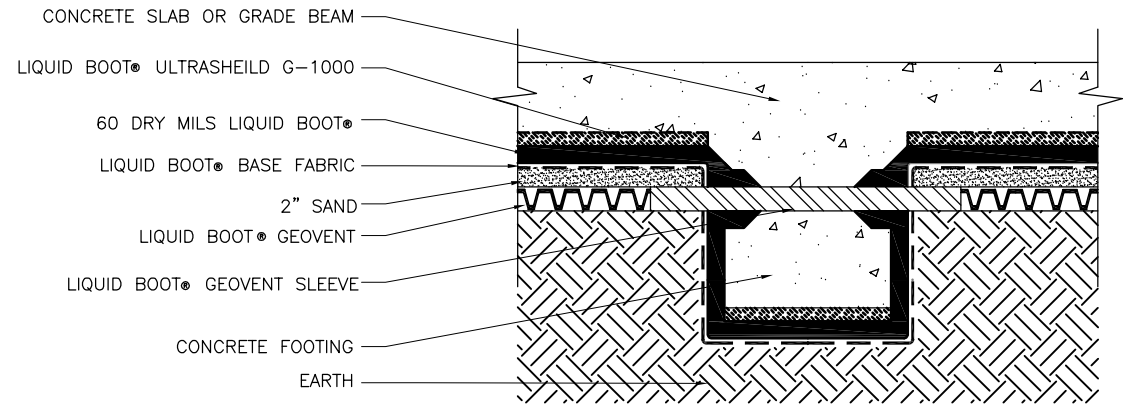
SHEET No.

V102



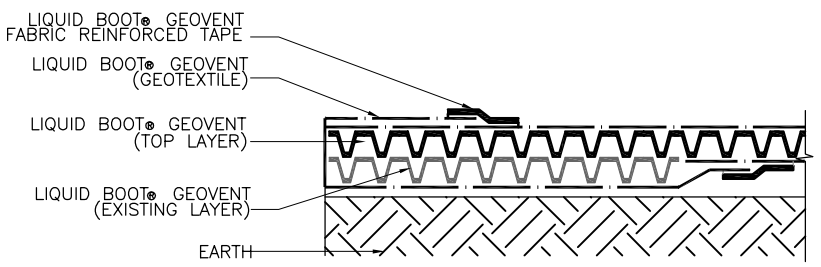
GAS VAPOR BARRIER LIQUID BOOT®
GEOVENT CONNECTOR TO VENT RISER

NOT TO SCALE



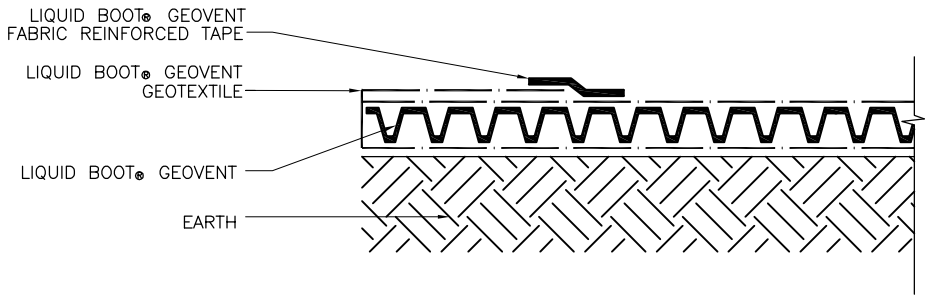
GAS VAPOR BARRIER LIQUID BOOT®
GEOVENT THROUGH FOOTING

NOT TO SCALE



GAS VAPOR BARRIER LIQUID BOOT®
GEOVENT INTERLOCKING CONNECTIONS

NOT TO SCALE



GAS VAPOR BARRIER LIQUID BOOT®
GEOVENT TERMINATION

NOT TO SCALE

NOTES:

1. DETAILS PROVIDED BY:
   © 2007 CETCO Liquid Boot Company
2. ALL PVC PIPING SHALL BE ASTM D1785.

No.	DESCRIPTION	DATE	BY
	REVISIONS		

DRAWN	MSA
DESIGNED	VF
APPROVED	FP
SCALE	NONE
JOB No.	47750.009
DATE	DEC. 2009

Gannett Fleming

HARRISBURG, PENNSYLVANIA LOCUST VALLEY, NEW YORK

PROJECT
SUB-SLAB DE-PRESSURIZATION SYSTEM
NASSAU UNIFORM SERVICES
FREEPORT, NEW YORK

TITLE
ALTERNATE 1
LIQUID BOOT® DETAILS

SHEET No.
V103

APPENDIX B

Laboratory Results

Jessica Ferngren
Gannett Fleming
P.O. Box 707
Locust Valley, NY 11560

Report Number: G980-12

Client Project: Nassau Uniform

Dear Jessica Ferngren,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Barbara Hager at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America, Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America, Inc.

Barbara Hager Sept. 18. 2009

Project Manager
Barbara Hager

Date

EXHIBIT B
CONTRACTOR'S QUALITY VERIFICATION STATEMENT

Contractor must provide a signed copy of this form with each deliverable specified in the Work Order or the deliverable will not be accepted. Contractor must provide Gannett Fleming with a true copy of Contractor's internal QA/QC review and approval forms related to the deliverable.

This form must be signed by Contractor's Quality Control/Quality Assurance Officer

Project Name: ~~**100 Morris Avenue, Glen Cove, New York**~~ 6/3 ban Nassau Uniform Services

Gannett Fleming Project Number:

Deliverable Description: Analytical Data Package

I, Jeannie Milholland, warrant and represent that the project deliverable described above and attached to this form was developed in accordance with the project scope of work and that all elements relating to the quality of the deliverable were verified in accordance with the requirements of my firm's internal quality management/quality assurance system. This deliverable satisfies all requirements of our Contract with Gannett Fleming.

Signature: Jeannie Milholland (by Contractor's QC/QA Officer) **Date:** 9-18-2009

Contractor: SGS North America, Inc.

'Deliverable' shall mean all aspects of design including, without limitation, drawings, calculations, maps, materials and specifications, reports, data bases, logs and other information developed from wells, borings and cores, laboratory data, materials schedules, instrument calibration data and all other items developed, prepared and delivered to Gannett Fleming by Contractor as specified in the Scope of Work in any media.

BW 4.9.09

SGS North America, Inc.

CASE NARRATIVE

Gannett Fleming

Project: Nassau Uniform

SGS Laboratory Number: G980-12

DATE: September 16, 2009

SAMPLE RECEIPT OBSERVATIONS:

Six Soils samples were received at the laboratory on September 1st, 2009 at 1005 for analyses as indicated on the chain of custody. The samples arrived in good condition with a temperature of 5.9°C.

SGS North America, Inc.

CASE NARRATIVE

Gannett Fleming

Project: Nassau Uniform

SGS Laboratory Number: G980-12

DATE: September 16, 2009

TOTAL VOLATILES REPORT:

The samples were analyzed for Volatiles according to the guidelines of Method SW8260C.

The tunes and initial calibration verifications met acceptance criteria.

The continuing calibration verifications met acceptance criteria and the CCC and SPCC compounds met the method requirements.

The Method MDL's are reported on the form 1's for each sample.

The internal standard areas were within quality control criteria with the exception of fluorobenzene which is biased low in the MSD.

The surrogate standard percent recoveries were within quality control criteria.

The method blank was free of interference.

The LCS/LCSD has reported recoveries for Chloroethane that are above the method's recommended QC limit. This compound was not detected in any of the submitted samples.

The MS/MSD has several reported recoveries and %RPD's that are outside of the recommended QC limits.

Duplicate analysis was performed on the client supplied sample labeled as the duplicate.

The Quantitation Limits (RL) are adjusted for percent solids and dilution factors as applicable.

The sampling to analysis holding times were met for the samples.

SGS North America, Inc.

CASE NARRATIVE

Gannett Fleming

Project: Nassau Uniform

SGS Laboratory Number: G980-12

DATE: September 16, 2009

Total SEMIVOLATILES REPORT:

The samples were extracted according to the guidelines of prep method SW3541. The sample extracts were analyzed for Semivolatiles according to the guidelines of Method SW8270C.

The tunes and initial calibration verifications met acceptance criteria.

The continuing calibration verifications met acceptance criteria and the CCC and SPCC compounds met the method requirements.

The Method MDL's are reported on the form 1's for each sample.

The internal standard areas were within quality control criteria.

The surrogate standard percent recoveries were within quality control criteria.

The method blank was free of interferences.

The LCS has a reported recovery for Di-n-Butylphthalate that is above the method's recommended QC limit. All associated samples are BQL for this compound.

The client blind **Dup** was used for the batch MS/MSD, instead of the sample specified on the COC due to lab error. The reported recoveries for Hexachlorocyclopentadiene and 4-Methylphenol are above the recommended QC limits. All associated samples are BQL for these compounds.

The Quantitation Limits (RL) are adjusted for percent solidss and dilution factors as applicable.

The sampling to extraction and extraction to analysis holding times were met for the samples.

SGS North America, Inc.

CASE NARRATIVE

Gannett Fleming

Project: Nassau Uniform

SGS Laboratory Number: G980-12

DATE: September 16, 2009

Total METALS REPORT:

The samples were analyzed for Metals according to the guidelines of Methods SW6010B and Mercury according to the guidelines of Method SW7471A.

The Method MDL's are reported on the form 1's for each sample.

The initial calibration verifications met acceptance criteria.

The continuing calibration verifications met acceptance criteria.

The initial and continuing calibration blanks met acceptance criteria.

The method blanks were free of interference at the RL for all the analytes of interest.

The laboratory control sample and duplicate were acceptable.

The CRDL showed increased sensitivity for Cadmium, Copper, Lead and Silver on analytical run 090309b. All other CRDL standards met acceptance criteria for all other analytes of interest.

The interference check samples met acceptance criteria for analytes of interest.

The client sample utilized for the MS/MSD has reported recoveries for Antimony and Calcium that are outside of the recommended QC limits.

Duplicate data from batches **15043** and **15038** are included with the raw data.

The Quantitation Limits (RL) are adjusted for sample volumes, percent solids and dilution factors as applicable.

The sampling to digestion and digestion to analysis holding times were met for the sample.

Results for Volatiles
by GCMS 8260-5030

Client Sample ID: DUP
Client Project ID: Nassau Uniform
Lab Sample ID G980-12-1A
Lab Project ID: G980-12
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 08-31-2009 08:00
Date Received: 9/1/2009
Matrix: Soil
Sample Amount: 5.42 g
%Solids: 88.1

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	52.2	7.22	1	9/4/2009	
Benzene	BQL	5.22	1.12	1	9/4/2009	
Bromobenzene	BQL	5.22	1.08	1	9/4/2009	
Bromochloromethane	BQL	5.22	1.80	1	9/4/2009	
Bromodichloromethane	BQL	5.22	1.04	1	9/4/2009	
Bromoform	BQL	5.22	1.04	1	9/4/2009	
Bromomethane	BQL	5.22	1.10	1	9/4/2009	
2-Butanone	BQL	26.1	5.67	1	9/4/2009	
n-Butylbenzene	BQL	5.22	0.998	1	9/4/2009	
sec-Butylbenzene	BQL	5.22	1.06	1	9/4/2009	
tert-Butylbenzene	BQL	5.22	1.17	1	9/4/2009	
Carbon disulfide	BQL	5.22	2.80	1	9/4/2009	
Carbon tetrachloride	BQL	5.22	1.07	1	9/4/2009	
Chlorobenzene	BQL	5.22	1.24	1	9/4/2009	
Chloroethane	BQL	5.22	1.66	1	9/4/2009	
Chloroform	BQL	5.22	1.25	1	9/4/2009	
Chloromethane	BQL	5.22	1.18	1	9/4/2009	
2-Chlorotoluene	BQL	5.22	1.06	1	9/4/2009	
4-Chlorotoluene	BQL	5.22	1.31	1	9/4/2009	
Dibromochloromethane	BQL	5.22	1.44	1	9/4/2009	
1,2-Dibromo-3-chloropropane	BQL	5.22	1.51	1	9/4/2009	
Dibromomethane	BQL	5.22	1.58	1	9/4/2009	
1,2-Dibromoethane (EDB)	BQL	5.22	1.18	1	9/4/2009	
1,2-Dichlorobenzene	BQL	5.22	1.35	1	9/4/2009	
1,3-Dichlorobenzene	BQL	5.22	1.34	1	9/4/2009	
1,4-Dichlorobenzene	BQL	5.22	1.10	1	9/4/2009	
trans-1,4-Dichloro-2-butene	BQL	5.22	1.44	1	9/4/2009	
1,1-Dichloroethane	BQL	5.22	1.11	1	9/4/2009	
1,1-Dichloroethene	BQL	5.22	1.55	1	9/4/2009	
1,2-Dichloroethane	BQL	5.22	1.38	1	9/4/2009	
cis-1,2-Dichloroethene	BQL	5.22	1.34	1	9/4/2009	
trans-1,2-dichloroethene	BQL	5.22	1.18	1	9/4/2009	
1,2-Dichloropropane	BQL	5.22	1.23	1	9/4/2009	
1,3-Dichloropropane	BQL	5.22	1.17	1	9/4/2009	
2,2-Dichloropropane	BQL	5.22	1.25	1	9/4/2009	
1,1-Dichloropropene	BQL	5.22	1.64	1	9/4/2009	
cis-1,3-Dichloropropene	BQL	5.22	0.870	1	9/4/2009	
trans-1,3-Dichloropropene	BQL	5.22	1.01	1	9/4/2009	
Dichlorodifluoromethane	BQL	5.22	1.38	1	9/4/2009	
Diisopropyl ether (DIPE)	BQL	5.22	1.18	1	9/4/2009	
Ethylbenzene	BQL	5.22	0.905	1	9/4/2009	
Hexachlorobutadiene	BQL	5.22	1.02	1	9/4/2009	
2-Hexanone	BQL	5.22	3.38	1	9/4/2009	
Iodomethane	BQL	5.22	1.13	1	9/4/2009	

Results for Volatiles
by GCMS 8260-5030

Client Sample ID: DUP
Client Project ID: Nassau Uniform
Lab Sample ID G980-12-1A
Lab Project ID: G980-12
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 08-31-2009 08:00
Date Received: 9/1/2009
Matrix: Soil
Sample Amount: 5.42 g
%Solids: 88.1

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Isopropylbenzene	BQL	5.22	0.928	1	9/4/2009	
4-Isopropyltoluene	BQL	5.22	1.12	1	9/4/2009	
Methylene chloride	BQL	20.9	1.24	1	9/4/2009	
4-Methyl-2-pentanone	BQL	5.22	4.84	1	9/4/2009	
Methyl-tert-butyl ether (MTBE)	BQL	5.22	1.16	1	9/4/2009	
Naphthalene	BQL	5.22	0.888	1	9/4/2009	
n-Propyl benzene	BQL	5.22	1.32	1	9/4/2009	
Styrene	BQL	5.22	1.15	1	9/4/2009	
1,1,1,2-Tetrachloroethane	BQL	5.22	1.07	1	9/4/2009	
1,1,2,2-Tetrachloroethane	BQL	5.22	1.18	1	9/4/2009	
Tetrachloroethene	BQL	5.22	0.957	1	9/4/2009	
Toluene	BQL	5.22	1.04	1	9/4/2009	
1,2,3-Trichlorobenzene	BQL	5.22	1.09	1	9/4/2009	
1,2,4-Trichlorobenzene	BQL	5.22	1.08	1	9/4/2009	
Trichloroethene	BQL	5.22	0.997	1	9/4/2009	
1,1,1-Trichloroethane	BQL	5.22	1.18	1	9/4/2009	
1,1,2-Trichloroethane	BQL	5.22	1.71	1	9/4/2009	
Trichlorofluoromethane	BQL	5.22	1.08	1	9/4/2009	
1,2,3-Trichloropropane	BQL	5.22	1.30	1	9/4/2009	
1,2,4-Trimethylbenzene	BQL	5.22	1.32	1	9/4/2009	
1,3,5-Trimethylbenzene	BQL	5.22	1.19	1	9/4/2009	
Vinyl chloride	BQL	5.22	1.42	1	9/4/2009	
m-,p-Xylene	BQL	10.4	2.01	1	9/4/2009	
o-Xylene	BQL	5.22	1.01	1	9/4/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	50	54.5	109
Toluene-d8	50	52.3	105
4-Bromofluorobenzene	50	48.4	97

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: _____ Reviewed By: _____

Results of Library Search for Volatile Compounds

by GCMS

Client Sample ID: DUP
Client Project ID: Nassau Uniform
Lab Sample ID: G980-12-1a
Lab Project ID: G980-12
Sample Vol: 5.42 g
Dilution: 1

Analyzed By: MJC
Date Collected: 08-31-2009
Date Received: 09-01-2009
Matrix: Soil
% SOLIDS: 88.1
Date Analyzed: 09-04-2009

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/KG
1	Sulfur dioxide	1.75	007446-09-5	74	89.2
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

Results for Volatiles
by GCMS 8260-5030

Client Sample ID: SB-NWC-1 (4.5-5)
Client Project ID: Nassau Uniform
Lab Sample ID G980-12-2A
Lab Project ID: G980-12
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 08-31-2009 08:55
Date Received: 9/1/2009
Matrix: Soil
Sample Amount: 5.61 g
%Solids: 90.4

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	49.3	6.81	1	9/4/2009	
Benzene	BQL	4.93	1.05	1	9/4/2009	
Bromobenzene	BQL	4.93	1.02	1	9/4/2009	
Bromochloromethane	BQL	4.93	1.70	1	9/4/2009	
Bromodichloromethane	BQL	4.93	0.978	1	9/4/2009	
Bromoform	BQL	4.93	0.986	1	9/4/2009	
Bromomethane	BQL	4.93	1.04	1	9/4/2009	
2-Butanone	BQL	24.6	5.35	1	9/4/2009	
n-Butylbenzene	BQL	4.93	0.941	1	9/4/2009	
sec-Butylbenzene	BQL	4.93	0.996	1	9/4/2009	
tert-Butylbenzene	BQL	4.93	1.10	1	9/4/2009	
Carbon disulfide	BQL	4.93	2.64	1	9/4/2009	
Carbon tetrachloride	BQL	4.93	1.01	1	9/4/2009	
Chlorobenzene	BQL	4.93	1.17	1	9/4/2009	
Chloroethane	BQL	4.93	1.57	1	9/4/2009	
Chloroform	BQL	4.93	1.18	1	9/4/2009	
Chloromethane	BQL	4.93	1.11	1	9/4/2009	
2-Chlorotoluene	BQL	4.93	0.996	1	9/4/2009	
4-Chlorotoluene	BQL	4.93	1.23	1	9/4/2009	
Dibromochloromethane	BQL	4.93	1.36	1	9/4/2009	
1,2-Dibromo-3-chloropropane	BQL	4.93	1.43	1	9/4/2009	
Dibromomethane	BQL	4.93	1.49	1	9/4/2009	
1,2-Dibromoethane (EDB)	BQL	4.93	1.11	1	9/4/2009	
1,2-Dichlorobenzene	BQL	4.93	1.27	1	9/4/2009	
1,3-Dichlorobenzene	BQL	4.93	1.26	1	9/4/2009	
1,4-Dichlorobenzene	BQL	4.93	1.04	1	9/4/2009	
trans-1,4-Dichloro-2-butene	BQL	4.93	1.36	1	9/4/2009	
1,1-Dichloroethane	BQL	4.93	1.04	1	9/4/2009	
1,1-Dichloroethene	BQL	4.93	1.46	1	9/4/2009	
1,2-Dichloroethane	BQL	4.93	1.30	1	9/4/2009	
cis-1,2-Dichloroethene	BQL	4.93	1.26	1	9/4/2009	
trans-1,2-dichloroethene	BQL	4.93	1.11	1	9/4/2009	
1,2-Dichloropropane	BQL	4.93	1.16	1	9/4/2009	
1,3-Dichloropropane	BQL	4.93	1.10	1	9/4/2009	
2,2-Dichloropropane	BQL	4.93	1.18	1	9/4/2009	
1,1-Dichloropropene	BQL	4.93	1.55	1	9/4/2009	
cis-1,3-Dichloropropene	BQL	4.93	0.821	1	9/4/2009	
trans-1,3-Dichloropropene	BQL	4.93	0.949	1	9/4/2009	
Dichlorodifluoromethane	BQL	4.93	1.30	1	9/4/2009	
Diisopropyl ether (DIPE)	BQL	4.93	1.11	1	9/4/2009	
Ethylbenzene	BQL	4.93	0.854	1	9/4/2009	
Hexachlorobutadiene	BQL	4.93	0.961	1	9/4/2009	
2-Hexanone	BQL	4.93	3.19	1	9/4/2009	
Iodomethane	BQL	4.93	1.06	1	9/4/2009	

Results for Volatiles
by GCMS 8260-5030

Client Sample ID: SB-NWC-1 (4.5-5)
Client Project ID: Nassau Uniform
Lab Sample ID G980-12-2A
Lab Project ID: G980-12
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 08-31-2009 08:55
Date Received: 9/1/2009
Matrix: Soil
Sample Amount: 5.61 g
%Solids: 90.4

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Isopropylbenzene	BQL	4.93	0.875	1	9/4/2009	
4-Isopropyltoluene	BQL	4.93	1.05	1	9/4/2009	
Methylene chloride	BQL	19.7	1.17	1	9/4/2009	
4-Methyl-2-pentanone	BQL	4.93	4.56	1	9/4/2009	
Methyl-tert-butyl ether (MTBE)	BQL	4.93	1.09	1	9/4/2009	
Naphthalene	BQL	4.93	0.838	1	9/4/2009	
n-Propyl benzene	BQL	4.93	1.24	1	9/4/2009	
Styrene	BQL	4.93	1.08	1	9/4/2009	
1,1,1,2-Tetrachloroethane	BQL	4.93	1.01	1	9/4/2009	
1,1,2,2-Tetrachloroethane	BQL	4.93	1.11	1	9/4/2009	
Tetrachloroethene	BQL	4.93	0.903	1	9/4/2009	
Toluene	BQL	4.93	0.983	1	9/4/2009	
1,2,3-Trichlorobenzene	BQL	4.93	1.03	1	9/4/2009	
1,2,4-Trichlorobenzene	BQL	4.93	1.02	1	9/4/2009	
Trichloroethene	BQL	4.93	0.940	1	9/4/2009	
1,1,1-Trichloroethane	BQL	4.93	1.11	1	9/4/2009	
1,1,2-Trichloroethane	BQL	4.93	1.62	1	9/4/2009	
Trichlorofluoromethane	BQL	4.93	1.02	1	9/4/2009	
1,2,3-Trichloropropane	BQL	4.93	1.22	1	9/4/2009	
1,2,4-Trimethylbenzene	BQL	4.93	1.24	1	9/4/2009	
1,3,5-Trimethylbenzene	BQL	4.93	1.12	1	9/4/2009	
Vinyl chloride	BQL	4.93	1.34	1	9/4/2009	
m-,p-Xylene	BQL	9.86	1.89	1	9/4/2009	
o-Xylene	BQL	4.93	0.955	1	9/4/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	50	56.3	113
Toluene-d8	50	51.7	103
4-Bromofluorobenzene	50	48.1	96

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: _____ Reviewed By: _____

Results of Library Search for Volatile Compounds

by GCMS

Client Sample ID: SB-NWC-1 (4.5-5)
Client Project ID: Nassau Uniform
Lab Sample ID: G980-12-2a
Lab Project ID: G980-12
Sample Vol: 5.61 g
Dilution: 1

Analyzed By: MJC
Date Collected: 08-31-2009
Date Received: 09-01-2009
Matrix: Soil
% SOLIDS: 90.4
Date Analyzed: 09-04-2009

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/KG
1	Sulfur dioxide	1.74	007446-09-5	74	34.7
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: 

Results for Volatiles
by GCMS 8260-5030

Client Sample ID: SB-NWC-2 (4.5-5)
Client Project ID: Nassau Uniform
Lab Sample ID: G980-12-3A
Lab Project ID: G980-12
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 08-31-2009 09:05
Date Received: 9/1/2009
Matrix: Soil
Sample Amount: 5.01 g
%Solids: 89.0

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	56.1	7.75	1	9/4/2009	
Benzene	BQL	5.61	1.20	1	9/4/2009	
Bromobenzene	BQL	5.61	1.16	1	9/4/2009	
Bromochloromethane	BQL	5.61	1.93	1	9/4/2009	
Bromodichloromethane	BQL	5.61	1.11	1	9/4/2009	
Bromoform	BQL	5.61	1.12	1	9/4/2009	
Bromomethane	BQL	5.61	1.18	1	9/4/2009	
2-Butanone	BQL	28.0	6.09	1	9/4/2009	
n-Butylbenzene	BQL	5.61	1.07	1	9/4/2009	
sec-Butylbenzene	BQL	5.61	1.13	1	9/4/2009	
tert-Butylbenzene	BQL	5.61	1.26	1	9/4/2009	
Carbon disulfide	BQL	5.61	3.01	1	9/4/2009	
Carbon tetrachloride	BQL	5.61	1.14	1	9/4/2009	
Chlorobenzene	BQL	5.61	1.34	1	9/4/2009	
Chloroethane	BQL	5.61	1.78	1	9/4/2009	
Chloroform	BQL	5.61	1.35	1	9/4/2009	
Chloromethane	BQL	5.61	1.27	1	9/4/2009	
2-Chlorotoluene	BQL	5.61	1.13	1	9/4/2009	
4-Chlorotoluene	BQL	5.61	1.40	1	9/4/2009	
Dibromochloromethane	BQL	5.61	1.55	1	9/4/2009	
1,2-Dibromo-3-chloropropane	BQL	5.61	1.63	1	9/4/2009	
Dibromomethane	BQL	5.61	1.69	1	9/4/2009	
1,2-Dibromoethane (EDB)	BQL	5.61	1.27	1	9/4/2009	
1,2-Dichlorobenzene	BQL	5.61	1.45	1	9/4/2009	
1,3-Dichlorobenzene	BQL	5.61	1.44	1	9/4/2009	
1,4-Dichlorobenzene	BQL	5.61	1.18	1	9/4/2009	
trans-1,4-Dichloro-2-butene	BQL	5.61	1.55	1	9/4/2009	
1,1-Dichloroethane	BQL	5.61	1.19	1	9/4/2009	
1,1-Dichloroethene	BQL	5.61	1.66	1	9/4/2009	
1,2-Dichloroethane	BQL	5.61	1.48	1	9/4/2009	
cis-1,2-Dichloroethene	BQL	5.61	1.44	1	9/4/2009	
trans-1,2-dichloroethene	BQL	5.61	1.27	1	9/4/2009	
1,2-Dichloropropane	BQL	5.61	1.32	1	9/4/2009	
1,3-Dichloropropane	BQL	5.61	1.26	1	9/4/2009	
2,2-Dichloropropane	BQL	5.61	1.35	1	9/4/2009	
1,1-Dichloropropene	BQL	5.61	1.76	1	9/4/2009	
cis-1,3-Dichloropropene	BQL	5.61	0.935	1	9/4/2009	
trans-1,3-Dichloropropene	BQL	5.61	1.08	1	9/4/2009	
Dichlorodifluoromethane	BQL	5.61	1.48	1	9/4/2009	
Diisopropyl ether (DIPE)	BQL	5.61	1.27	1	9/4/2009	
Ethylbenzene	BQL	5.61	0.972	1	9/4/2009	
Hexachlorobutadiene	BQL	5.61	1.09	1	9/4/2009	
2-Hexanone	BQL	5.61	3.64	1	9/4/2009	
Iodomethane	BQL	5.61	1.21	1	9/4/2009	

Results for Volatiles
by GCMS 8260-5030

Client Sample ID: SB-NWC-2 (4.5-5)
Client Project ID: Nassau Uniform
Lab Sample ID G980-12-3A
Lab Project ID: G980-12
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 08-31-2009 09:05
Date Received: 9/1/2009
Matrix: Soil
Sample Amount: 5.01 g
%Solids: 89.0

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Isopropylbenzene	BQL	5.61	0.996	1	9/4/2009	
4-Isopropyltoluene	BQL	5.61	1.20	1	9/4/2009	
Methylene chloride	BQL	22.4	1.34	1	9/4/2009	
4-Methyl-2-pentanone	BQL	5.61	5.19	1	9/4/2009	
Methyl-tert-butyl ether (MTBE)	BQL	5.61	1.25	1	9/4/2009	
Naphthalene	BQL	5.61	0.954	1	9/4/2009	
n-Propyl benzene	BQL	5.61	1.41	1	9/4/2009	
Styrene	BQL	5.61	1.23	1	9/4/2009	
1,1,1,2-Tetrachloroethane	BQL	5.61	1.14	1	9/4/2009	
1,1,2,2-Tetrachloroethane	BQL	5.61	1.27	1	9/4/2009	
Tetrachloroethene	BQL	5.61	1.03	1	9/4/2009	
Toluene	BQL	5.61	1.12	1	9/4/2009	
1,2,3-Trichlorobenzene	BQL	5.61	1.17	1	9/4/2009	
1,2,4-Trichlorobenzene	BQL	5.61	1.16	1	9/4/2009	
Trichloroethene	BQL	5.61	1.07	1	9/4/2009	
1,1,1-Trichloroethane	BQL	5.61	1.27	1	9/4/2009	
1,1,2-Trichloroethane	BQL	5.61	1.84	1	9/4/2009	
Trichlorofluoromethane	BQL	5.61	1.16	1	9/4/2009	
1,2,3-Trichloropropane	BQL	5.61	1.39	1	9/4/2009	
1,2,4-Trimethylbenzene	BQL	5.61	1.41	1	9/4/2009	
1,3,5-Trimethylbenzene	BQL	5.61	1.28	1	9/4/2009	
Vinyl chloride	BQL	5.61	1.53	1	9/4/2009	
m-,p-Xylene	BQL	11.2	2.15	1	9/4/2009	
o-Xylene	BQL	5.61	1.09	1	9/4/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	50	54.7	109
Toluene-d8	50	52	104
4-Bromofluorobenzene	50	49.1	98

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: _____ Reviewed By: _____

Results of Library Search for Volatile Compounds

by GCMS

Client Sample ID: SB-NWC-2 (4.5-5)
Client Project ID: Nassau Uniform
Lab Sample ID: G980-12-3a
Lab Project ID: G980-12
Sample Vol: 5.01 g
Dilution: 1

Analyzed By: MJC
Date Collected: 08-31-2009
Date Received: 09-01-2009
Matrix: Soil
% SOLIDS: 89.0
Date Analyzed: 09-04-2009

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/KG
1	Sulfur dioxide	1.74	007446-09-5	74	31.5
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: 

Results for Volatiles
by GCMS 8260-5030

Client Sample ID: SB-NWC-3 (4.5-5)
Client Project ID: Nassau Uniform
Lab Sample ID G980-12-4A
Lab Project ID: G980-12
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 08-31-2009 09:15
Date Received: 9/1/2009
Matrix: Soil
Sample Amount: 5.38 g
%Solids: 86.0

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	53.9	7.46	1	9/4/2009	
Benzene	BQL	5.39	1.15	1	9/4/2009	
Bromobenzene	BQL	5.39	1.11	1	9/4/2009	
Bromochloromethane	BQL	5.39	1.86	1	9/4/2009	
Bromodichloromethane	BQL	5.39	1.07	1	9/4/2009	
Bromoform	BQL	5.39	1.08	1	9/4/2009	
Bromomethane	BQL	5.39	1.13	1	9/4/2009	
2-Butanone	BQL	27.0	5.86	1	9/4/2009	
n-Butylbenzene	BQL	5.39	1.03	1	9/4/2009	
sec-Butylbenzene	BQL	5.39	1.09	1	9/4/2009	
tert-Butylbenzene	BQL	5.39	1.21	1	9/4/2009	
Carbon disulfide	BQL	5.39	2.89	1	9/4/2009	
Carbon tetrachloride	BQL	5.39	1.10	1	9/4/2009	
Chlorobenzene	BQL	5.39	1.28	1	9/4/2009	
Chloroethane	BQL	5.39	1.72	1	9/4/2009	
Chloroform	BQL	5.39	1.29	1	9/4/2009	
Chloromethane	BQL	5.39	1.22	1	9/4/2009	
2-Chlorotoluene	BQL	5.39	1.09	1	9/4/2009	
4-Chlorotoluene	BQL	5.39	1.35	1	9/4/2009	
Dibromochloromethane	BQL	5.39	1.49	1	9/4/2009	
1,2-Dibromo-3-chloropropane	BQL	5.39	1.56	1	9/4/2009	
Dibromomethane	BQL	5.39	1.63	1	9/4/2009	
1,2-Dibromoethane (EDB)	BQL	5.39	1.22	1	9/4/2009	
1,2-Dichlorobenzene	BQL	5.39	1.39	1	9/4/2009	
1,3-Dichlorobenzene	BQL	5.39	1.38	1	9/4/2009	
1,4-Dichlorobenzene	BQL	5.39	1.13	1	9/4/2009	
trans-1,4-Dichloro-2-butene	BQL	5.39	1.49	1	9/4/2009	
1,1-Dichloroethane	BQL	5.39	1.14	1	9/4/2009	
1,1-Dichloroethene	BQL	5.39	1.60	1	9/4/2009	
1,2-Dichloroethane	BQL	5.39	1.42	1	9/4/2009	
cis-1,2-Dichloroethene	BQL	5.39	1.38	1	9/4/2009	
trans-1,2-dichloroethene	BQL	5.39	1.22	1	9/4/2009	
1,2-Dichloropropane	BQL	5.39	1.27	1	9/4/2009	
1,3-Dichloropropane	BQL	5.39	1.21	1	9/4/2009	
2,2-Dichloropropane	BQL	5.39	1.29	1	9/4/2009	
1,1-Dichloropropene	BQL	5.39	1.69	1	9/4/2009	
cis-1,3-Dichloropropene	BQL	5.39	0.899	1	9/4/2009	
trans-1,3-Dichloropropene	BQL	5.39	1.04	1	9/4/2009	
Dichlorodifluoromethane	BQL	5.39	1.42	1	9/4/2009	
Diisopropyl ether (DIPE)	BQL	5.39	1.22	1	9/4/2009	
Ethylbenzene	BQL	5.39	0.934	1	9/4/2009	
Hexachlorobutadiene	BQL	5.39	1.05	1	9/4/2009	
2-Hexanone	BQL	5.39	3.50	1	9/4/2009	
Iodomethane	BQL	5.39	1.17	1	9/4/2009	

Results for Volatiles
by GCMS 8260-5030

Client Sample ID: SB-NWC-3 (4.5-5)
Client Project ID: Nassau Uniform
Lab Sample ID G980-12-4A
Lab Project ID: G980-12
Report Basis: Dry Weight

Analyzed By: MJC
Date Collected: 08-31-2009 09:15
Date Received: 9/1/2009
Matrix: Soil
Sample Amount: 5.38 g
%Solids: 86.0

Report Name Compound	Result UG/KG	Quantitation Limit UG/KG	MDL UG/KG	Dilution Factor	Date Analyzed	Flag
Isopropylbenzene	BQL	5.39	0.958	1	9/4/2009	
4-Isopropyltoluene	BQL	5.39	1.15	1	9/4/2009	
Methylene chloride	BQL	21.6	1.28	1	9/4/2009	
4-Methyl-2-pentanone	BQL	5.39	5.00	1	9/4/2009	
Methyl-tert-butyl ether (MTBE)	BQL	5.39	1.20	1	9/4/2009	
Naphthalene	BQL	5.39	0.917	1	9/4/2009	
n-Propyl benzene	BQL	5.39	1.36	1	9/4/2009	
Styrene	BQL	5.39	1.19	1	9/4/2009	
1,1,1,2-Tetrachloroethane	BQL	5.39	1.10	1	9/4/2009	
1,1,2,2-Tetrachloroethane	BQL	5.39	1.22	1	9/4/2009	
Tetrachloroethene	BQL	5.39	0.988	1	9/4/2009	
Toluene	BQL	5.39	1.08	1	9/4/2009	
1,2,3-Trichlorobenzene	BQL	5.39	1.12	1	9/4/2009	
1,2,4-Trichlorobenzene	BQL	5.39	1.11	1	9/4/2009	
Trichloroethene	BQL	5.39	1.03	1	9/4/2009	
1,1,1-Trichloroethane	BQL	5.39	1.22	1	9/4/2009	
1,1,2-Trichloroethane	BQL	5.39	1.77	1	9/4/2009	
Trichlorofluoromethane	BQL	5.39	1.11	1	9/4/2009	
1,2,3-Trichloropropane	BQL	5.39	1.34	1	9/4/2009	
1,2,4-Trimethylbenzene	BQL	5.39	1.36	1	9/4/2009	
1,3,5-Trimethylbenzene	BQL	5.39	1.23	1	9/4/2009	
Vinyl chloride	BQL	5.39	1.47	1	9/4/2009	
m-,p-Xylene	BQL	10.8	2.07	1	9/4/2009	
o-Xylene	BQL	5.39	1.05	1	9/4/2009	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	50	55.2	110
Toluene-d8	50	52.3	105
4-Bromofluorobenzene	50	49.3	99

Comments:

Flags:
BQL = Below Quantitation Limits.

Analyst: _____

Reviewed By: _____

Results of Library Search for Volatile Compounds

by GCMS

Client Sample ID: SB-NWC-3 (4.5-5)
Client Project ID: Nassau Uniform
Lab Sample ID: G980-12-4a
Lab Project ID: G980-12
Sample Vol: 5.38 g
Dilution: 1

Analyzed By: MJC
Date Collected: 08-31-2009
Date Received: 09-01-2009
Matrix: Soil
% SOLIDS: 86.0
Date Analyzed: 09-04-2009

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/KG
1	Sulfur dioxide	1.74	007446-09-5	74	35.3
2					
3					
4					
5					
6					
7					
8					
9					
10					

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

Results for Semivolatiles
by GCMS 8270

Client Sample ID: DUP
Client Project ID: Nassau Uniform
Lab Sample ID: G980-12-1G
Lab Project ID: G980-12
Report Basis: Dry weight
Initial Weight: 35.46 g

Analyzed By: EAW
Date Collected:
Date Received: 9/1/2009
Date Extracted: 9/9/2009
Matrix: Soil
% Solids: 88.14

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	320	49.0	1	9/14/2009	
Acenaphthylene	BQL	320	44.8	1	9/14/2009	
Anthracene	BQL	320	43.5	1	9/14/2009	
Benzo[a]anthracene	BQL	320	43.8	1	9/14/2009	
Benzo[a]pyrene	BQL	320	46.1	1	9/14/2009	
Benzo[b]fluoranthene	**86.4**	320	44.5	1	9/14/2009	J
Benzo[g,h,i]perylene	BQL	320	55.7	1	9/14/2009	
Benzo[k]fluoranthene	BQL	320	45.4	1	9/14/2009	
Benzoic Acid	BQL	640	395	1	9/14/2009	
Bis(2-chloroethoxy)methane	BQL	320	47.0	1	9/14/2009	
Bis(2-chloroethyl)ether	BQL	320	65.0	1	9/14/2009	
Bis(2-chloroisopropyl)ether	BQL	320	51.5	1	9/14/2009	
Bis(2-ethylhexyl)phthalate	BQL	320	49.0	1	9/14/2009	
4-bromophenyl phenyl ether	BQL	320	56.6	1	9/14/2009	
Butylbenzylphthalate	BQL	320	47.4	1	9/14/2009	
2-Chloronaphthalene	BQL	320	44.5	1	9/14/2009	
2-Chlorophenol	BQL	320	40.6	1	9/14/2009	
4-Chloro-3-methylphenol	BQL	320	46.7	1	9/14/2009	
4-Chloroaniline	BQL	1600	52.2	1	9/14/2009	
4-Chlorophenyl phenyl ether	BQL	320	47.0	1	9/14/2009	
Chrysene	BQL	320	30.7	1	9/14/2009	
Dibenzo[a,h]anthracene	BQL	320	41.0	1	9/14/2009	
Dibenzofuran	BQL	320	45.1	1	9/14/2009	
Di-n-Butylphthalate	BQL	320	46.7	1	9/14/2009	
1,2-Dichlorobenzene	BQL	320	54.1	1	9/14/2009	
1,3-Dichlorobenzene	BQL	320	51.8	1	9/14/2009	
1,4-Dichlorobenzene	BQL	320	46.4	1	9/14/2009	
3,3'-Dichlorobenzidine	BQL	640	52.8	1	9/14/2009	
2,4-Dichlorophenol	BQL	320	34.9	1	9/14/2009	
Diethylphthalate	BQL	320	42.9	1	9/14/2009	
Dimethylphthalate	BQL	320	49.6	1	9/14/2009	
2,4-Dimethylphenol	BQL	320	57.9	1	9/14/2009	
Di-n-octylphthalate	BQL	320	49.3	1	9/14/2009	
4,6-Dinitro-2-methylphenol	BQL	1600	38.1	1	9/14/2009	
2,4-Dinitrophenol	BQL	1600	41.6	1	9/14/2009	
2,4-Dinitrotoluene	BQL	320	48.6	1	9/14/2009	
2,6-Dinitrotoluene	BQL	320	52.8	1	9/14/2009	
Fluoranthene	BQL	320	51.5	1	9/14/2009	
Fluorene	BQL	320	49.9	1	9/14/2009	
Hexachlorobenzene	BQL	320	69.4	1	9/14/2009	
Hexachlorobutadiene	BQL	320	58.2	1	9/14/2009	
Hexachlorocyclopentadiene	BQL	640	62.4	1	9/14/2009	
Hexachloroethane	BQL	320	49.9	1	9/14/2009	
Indeno(1,2,3-c,d)pyrene	BQL	320	37.8	1	9/14/2009	
Isophorone	BQL	320	46.7	1	9/14/2009	
2-Methylnaphthalene	BQL	320	52.2	1	9/14/2009	
2-Methylphenol	BQL	320	49.0	1	9/14/2009	

Results for Semivolatiles
by GCMS 8270

Client Sample ID: DUP
Client Project ID: Nassau Uniform
Lab Sample ID: G980-12-1G
Lab Project ID: G980-12
Report Basis: Dry weight
Initial Weight: 35.46 g

Analyzed By: EAW
Date Collected:
Date Received: 9/1/2009
Date Extracted: 9/9/2009
Matrix: Soil
% Solids: 88.14

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
3- & 4-Methylphenol	BQL	320	41.6	1	9/14/2009	
Naphthalene	BQL	320	44.8	1	9/14/2009	
2-Nitroaniline	BQL	320	42.9	1	9/14/2009	
3-Nitroaniline	BQL	1600	47.0	1	9/14/2009	
4-Nitroaniline	BQL	1600	42.9	1	9/14/2009	
Nitrobenzene	BQL	320	42.6	1	9/14/2009	
2-Nitrophenol	BQL	320	46.7	1	9/14/2009	
4-Nitrophenol	BQL	1600	55.7	1	9/14/2009	
Diphenylamine *	BQL	320	51.5	1	9/14/2009	
Pentachlorophenol	BQL	1600	29.4	1	9/14/2009	
Phenanthrene	BQL	320	44.8	1	9/14/2009	
Phenol	BQL	320	43.5	1	9/14/2009	
Pyrene	BQL	320	43.5	1	9/14/2009	
1,2,4-Trichlorobenzene	BQL	320	57.6	1	9/14/2009	
2,4,5-Trichlorophenol	BQL	320	47.7	1	9/14/2009	
2,4,6-Trichlorophenol	BQL	320	28.5	1	9/14/2009	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.7	97
2-Fluorophenol	10	9.5	95
Nitrobenzene-d5	10	9.2	92
Phenol-d6	10	9.4	94
2,4,6-Tribromophenol	10	7.6	76
4-Terphenyl-d14	10	11.4	114

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: 

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: DUP
Client Project ID: Nassau Uniform
Lab Sample ID: G980-12-1G
Lab Project ID: G980-12
Sample Wt/Vol: 35.46 g
Dilution: 1

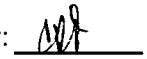
Analyzed By: DES
Date Collected: 8/31/2009 8:00
Date Received: 9/1/2009
Date Extracted: 9/9/2009
Date Analyzed: 9/14/2009
Matrix: Soil
% Solids: 88.14

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/Kg
	No TIC's detected.				

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: 

Results for Semivolatiles
by GCMS 8270

Client Sample ID: SB-NWC-1 (4.5-5)
Client Project ID: Nassau Uniform
Lab Sample ID: G980-12-2G
Lab Project ID: G980-12
Report Basis: Dry weight
Initial Weight: 34.37 g

Analyzed By: EAW
Date Collected:
Date Received: 9/1/2009
Date Extracted: 9/9/2009
Matrix: Soil
% Solids: 90.41

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	322	49.2	1	9/14/2009	
Acenaphthylene	BQL	322	45.1	1	9/14/2009	
Anthracene	BQL	322	43.8	1	9/14/2009	
Benzo[a]anthracene	BQL	322	44.1	1	9/14/2009	
Benzo[a]pyrene	BQL	322	46.3	1	9/14/2009	
Benzo[b]fluoranthene	**99.8**	322	44.7	1	9/14/2009	J
Benzo[g,h,i]perylene	BQL	322	56.0	1	9/14/2009	
Benzo[k]fluoranthene	BQL	322	45.7	1	9/14/2009	
Benzoic Acid	BQL	644	397	1	9/14/2009	
Bis(2-chloroethoxy)methane	BQL	322	47.3	1	9/14/2009	
Bis(2-chloroethyl)ether	BQL	322	65.3	1	9/14/2009	
Bis(2-chloroisopropyl)ether	BQL	322	51.8	1	9/14/2009	
Bis(2-ethylhexyl)phthalate	BQL	322	49.2	1	9/14/2009	
4-bromophenyl phenyl ether	BQL	322	57.0	1	9/14/2009	
Butylbenzylphthalate	BQL	322	47.6	1	9/14/2009	
2-Chloronaphthalene	BQL	322	44.7	1	9/14/2009	
2-Chlorophenol	BQL	322	40.9	1	9/14/2009	
4-Chloro-3-methylphenol	BQL	322	47.0	1	9/14/2009	
4-Chloroaniline	BQL	1610	52.5	1	9/14/2009	
4-Chlorophenyl phenyl ether	BQL	322	47.3	1	9/14/2009	
Chrysene	BQL	322	30.9	1	9/14/2009	
Dibenzo[a,h]anthracene	BQL	322	41.2	1	9/14/2009	
Dibenzofuran	BQL	322	45.4	1	9/14/2009	
Di-n-Butylphthalate	BQL	322	47.0	1	9/14/2009	
1,2-Dichlorobenzene	BQL	322	54.4	1	9/14/2009	
1,3-Dichlorobenzene	BQL	322	52.1	1	9/14/2009	
1,4-Dichlorobenzene	BQL	322	46.7	1	9/14/2009	
3,3'-Dichlorobenzidine	BQL	644	53.1	1	9/14/2009	
2,4-Dichlorophenol	BQL	322	35.1	1	9/14/2009	
Diethylphthalate	BQL	322	43.1	1	9/14/2009	
Dimethylphthalate	BQL	322	49.9	1	9/14/2009	
2,4-Dimethylphenol	BQL	322	58.2	1	9/14/2009	
Di-n-octylphthalate	BQL	322	49.6	1	9/14/2009	
4,6-Dinitro-2-methylphenol	BQL	1610	38.3	1	9/14/2009	
2,4-Dinitrophenol	BQL	1610	41.8	1	9/14/2009	
2,4-Dinitrotoluene	BQL	322	48.9	1	9/14/2009	
2,6-Dinitrotoluene	BQL	322	53.1	1	9/14/2009	
Fluoranthene	**54.7**	322	51.8	1	9/14/2009	J
Fluorene	BQL	322	50.2	1	9/14/2009	
Hexachlorobenzene	BQL	322	69.8	1	9/14/2009	
Hexachlorobutadiene	BQL	322	58.6	1	9/14/2009	
Hexachlorocyclopentadiene	BQL	644	62.8	1	9/14/2009	
Hexachloroethane	BQL	322	50.2	1	9/14/2009	
Indeno(1,2,3-c,d)pyrene	BQL	322	38.0	1	9/14/2009	
Isophorone	BQL	322	47.0	1	9/14/2009	
2-Methylnaphthalene	BQL	322	52.5	1	9/14/2009	
2-Methylphenol	BQL	322	49.2	1	9/14/2009	

Results for Semivolatiles
by GCMS 8270

Client Sample ID: SB-NWC-1 (4.5-5)
Client Project ID: Nassau Uniform
Lab Sample ID: G980-12-2G
Lab Project ID: G980-12
Report Basis: Dry weight
Initial Weight: 34.37 g

Analyzed By: EAW
Date Collected:
Date Received: 9/1/2009
Date Extracted: 9/9/2009
Matrix: Soil
% Solids: 90.41

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
3- & 4-Methylphenol	BQL	322	41.8	1	9/14/2009	
Naphthalene	BQL	322	45.1	1	9/14/2009	
2-Nitroaniline	BQL	322	43.1	1	9/14/2009	
3-Nitroaniline	BQL	1610	47.3	1	9/14/2009	
4-Nitroaniline	BQL	1610	43.1	1	9/14/2009	
Nitrobenzene	BQL	322	42.8	1	9/14/2009	
2-Nitrophenol	BQL	322	47.0	1	9/14/2009	
4-Nitrophenol	BQL	1610	56.0	1	9/14/2009	
Diphenylamine *	BQL	322	51.8	1	9/14/2009	
Pentachlorophenol	BQL	1610	29.6	1	9/14/2009	
Phenanthrene	BQL	322	45.1	1	9/14/2009	
Phenol	BQL	322	43.8	1	9/14/2009	
Pyrene	BQL	322	43.8	1	9/14/2009	
1,2,4-Trichlorobenzene	BQL	322	57.9	1	9/14/2009	
2,4,5-Trichlorophenol	BQL	322	48.0	1	9/14/2009	
2,4,6-Trichlorophenol	BQL	322	28.6	1	9/14/2009	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	89
2-Fluorophenol	10	9	90
Nitrobenzene-d5	10	8.8	88
Phenol-d6	10	9	90
2,4,6-Tribromophenol	10	6.5	65
4-Terphenyl-d14	10	10.9	109

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: CDD

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: SB-NWC-1 (4.5-5)
Client Project ID: Nassau Uniform
Lab Sample ID: G980-12-2G
Lab Project ID: G980-12
Sample Wt/Vol: 34.37 g
Dilution: 1

Analyzed By: DES
Date Collected: 8/31/2009 8:55
Date Received: 9/1/2009
Date Extracted: 9/9/2009
Date Analyzed: 9/14/2009
Matrix: Soil
% Solids: 90.41

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/Kg
	No TIC's detected.				

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: 

Results for Semivolatiles
by GCMS 8270

Client Sample ID: SB-NWC-2 (4.5-5)
Client Project ID: Nassau Uniform
Lab Sample ID: G980-12-3G
Lab Project ID: G980-12
Report Basis: Dry weight
Initial Weight: 32.09 g

Analyzed By: EAW
Date Collected:
Date Received: 9/1/2009
Date Extracted: 9/9/2009
Matrix: Soil
% Solids: 88.95

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	350	53.6	1	9/14/2009	
Acenaphthylene	BQL	350	49.0	1	9/14/2009	
Anthracene	BQL	350	47.6	1	9/14/2009	
Benzo[a]anthracene	BQL	350	48.0	1	9/14/2009	
Benzo[a]pyrene	BQL	350	50.4	1	9/14/2009	
Benzo[b]fluoranthene	BQL	350	48.7	1	9/14/2009	
Benzo[g,h,i]perylene	BQL	350	61.0	1	9/14/2009	
Benzo[k]fluoranthene	BQL	350	49.7	1	9/14/2009	
Benzoic Acid	BQL	701	433	1	9/14/2009	
Bis(2-chloroethoxy)methane	BQL	350	51.5	1	9/14/2009	
Bis(2-chloroethyl)ether	BQL	350	71.1	1	9/14/2009	
Bis(2-chloroisopropyl)ether	BQL	350	56.4	1	9/14/2009	
Bis(2-ethylhexyl)phthalate	BQL	350	53.6	1	9/14/2009	
4-bromophenyl phenyl ether	BQL	350	62.0	1	9/14/2009	
Butylbenzylphthalate	BQL	350	51.8	1	9/14/2009	
2-Chloronaphthalene	BQL	350	48.7	1	9/14/2009	
2-Chlorophenol	BQL	350	44.5	1	9/14/2009	
4-Chloro-3-methylphenol	BQL	350	51.1	1	9/14/2009	
4-Chloroaniline	BQL	1750	57.1	1	9/14/2009	
4-Chlorophenyl phenyl ether	BQL	350	51.5	1	9/14/2009	
Chrysene	BQL	350	33.6	1	9/14/2009	
Dibenzo[a,h]anthracene	BQL	350	44.8	1	9/14/2009	
Dibenzofuran	BQL	350	49.4	1	9/14/2009	
Di-n-Butylphthalate	BQL	350	51.1	1	9/14/2009	
1,2-Dichlorobenzene	BQL	350	59.2	1	9/14/2009	
1,3-Dichlorobenzene	BQL	350	56.8	1	9/14/2009	
1,4-Dichlorobenzene	BQL	350	50.8	1	9/14/2009	
3,3'-Dichlorobenzidine	BQL	701	57.8	1	9/14/2009	
2,4-Dichlorophenol	BQL	350	38.2	1	9/14/2009	
Diethylphthalate	BQL	350	46.9	1	9/14/2009	
Dimethylphthalate	BQL	350	54.3	1	9/14/2009	
2,4-Dimethylphenol	BQL	350	63.4	1	9/14/2009	
Di-n-octylphthalate	BQL	350	54.0	1	9/14/2009	
4,6-Dinitro-2-methylphenol	BQL	1750	41.7	1	9/14/2009	
2,4-Dinitrophenol	BQL	1750	45.5	1	9/14/2009	
2,4-Dinitrotoluene	BQL	350	53.3	1	9/14/2009	
2,6-Dinitrotoluene	BQL	350	57.8	1	9/14/2009	
Fluoranthene	BQL	350	56.4	1	9/14/2009	
Fluorene	BQL	350	54.7	1	9/14/2009	
Hexachlorobenzene	BQL	350	76.0	1	9/14/2009	
Hexachlorobutadiene	BQL	350	63.8	1	9/14/2009	
Hexachlorocyclopentadiene	BQL	701	68.3	1	9/14/2009	
Hexachloroethane	BQL	350	54.7	1	9/14/2009	
Indeno(1,2,3-c,d)pyrene	BQL	350	41.3	1	9/14/2009	
Isophorone	BQL	350	51.1	1	9/14/2009	
2-Methylnaphthalene	BQL	350	57.1	1	9/14/2009	
2-Methylphenol	BQL	350	53.6	1	9/14/2009	

Results for Semivolatiles
by GCMS 8270

Client Sample ID: SB-NWC-2 (4.5-5)
Client Project ID: Nassau Uniform
Lab Sample ID: G980-12-3G
Lab Project ID: G980-12
Report Basis: Dry weight
Initial Weight: 32.09 g

Analyzed By: EAW
Date Collected:
Date Received: 9/1/2009
Date Extracted: 9/9/2009
Matrix: Soil
% Solids: 88.95

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
3- & 4-Methylphenol	BQL	350	45.5	1	9/14/2009	
Naphthalene	BQL	350	49.0	1	9/14/2009	
2-Nitroaniline	BQL	350	46.9	1	9/14/2009	
3-Nitroaniline	BQL	1750	51.5	1	9/14/2009	
4-Nitroaniline	BQL	1750	46.9	1	9/14/2009	
Nitrobenzene	BQL	350	46.6	1	9/14/2009	
2-Nitrophenol	BQL	350	51.1	1	9/14/2009	
4-Nitrophenol	BQL	1750	61.0	1	9/14/2009	
Diphenylamine *	BQL	350	56.4	1	9/14/2009	
Pentachlorophenol	BQL	1750	32.2	1	9/14/2009	
Phenanthrene	BQL	350	49.0	1	9/14/2009	
Phenol	BQL	350	47.6	1	9/14/2009	
Pyrene	BQL	350	47.6	1	9/14/2009	
1,2,4-Trichlorobenzene	BQL	350	63.1	1	9/14/2009	
2,4,5-Trichlorophenol	BQL	350	52.2	1	9/14/2009	
2,4,6-Trichlorophenol	BQL	350	31.2	1	9/14/2009	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.3	93
2-Fluorophenol	10	9.1	91
Nitrobenzene-d5	10	9	90
Phenol-d6	10	9.1	91
2,4,6-Tribromophenol	10	7.2	72
4-Terphenyl-d14	10	11.4	114

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: _____

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: SB-NWC-2 (4.5-5)
Client Project ID: Nassau Uniform
Lab Sample ID: G980-12-3G
Lab Project ID: G980-12
Sample Wt/Vol: 32.09 g
Dilution: 1

Analyzed By: DES
Date Collected: 8/31/2009 9:05
Date Received: 9/1/2009
Date Extracted: 9/9/2009
Date Analyzed: 9/14/2009
Matrix: Soil
% Solids: 88.95

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/Kg
	No TIC's detected.				

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: _____

Results for Semivolatiles
by GCMS 8270

Client Sample ID: SB-NWC-3 (4.5-5) (MS/MSD)
Client Project ID: Nassau Uniform
Lab Sample ID: G980-12-4S
Lab Project ID: G980-12
Report Basis: Dry weight
Initial Weight: 31.16 g

Analyzed By: EAW
Date Collected:
Date Received: 9/1/2009
Date Extracted: 9/9/2009
Matrix: Soil
% Solids: 85.98

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
Acenaphthene	BQL	373	57.1	1	9/14/2009	
Acenaphthylene	BQL	373	52.3	1	9/14/2009	
Anthracene	BQL	373	50.8	1	9/14/2009	
Benzo[a]anthracene	BQL	373	51.1	1	9/14/2009	
Benzo[a]pyrene	BQL	373	53.7	1	9/14/2009	
Benzo[b]fluoranthene	BQL	373	51.9	1	9/14/2009	
Benzo[g,h,i]perylene	BQL	373	64.9	1	9/14/2009	
Benzo[k]fluoranthene	BQL	373	53.0	1	9/14/2009	
Benzoic Acid	BQL	747	461	1	9/14/2009	
Bis(2-chloroethoxy)methane	BQL	373	54.9	1	9/14/2009	
Bis(2-chloroethyl)ether	BQL	373	75.8	1	9/14/2009	
Bis(2-chloroisopropyl)ether	BQL	373	60.1	1	9/14/2009	
Bis(2-ethylhexyl)phthalate	BQL	373	57.1	1	9/14/2009	
4-bromophenyl phenyl ether	BQL	373	66.1	1	9/14/2009	
Butylbenzylphthalate	BQL	373	55.2	1	9/14/2009	
2-Chloronaphthalene	BQL	373	51.9	1	9/14/2009	
2-Chlorophenol	BQL	373	47.4	1	9/14/2009	
4-Chloro-3-methylphenol	BQL	373	54.5	1	9/14/2009	
4-Chloroaniline	BQL	1870	60.8	1	9/14/2009	
4-Chlorophenyl phenyl ether	BQL	373	54.9	1	9/14/2009	
Chrysene	BQL	373	35.8	1	9/14/2009	
Dibenzo[a,h]anthracene	BQL	373	47.8	1	9/14/2009	
Dibenzofuran	BQL	373	52.6	1	9/14/2009	
Di-n-Butylphthalate	BQL	373	54.5	1	9/14/2009	
1,2-Dichlorobenzene	BQL	373	63.1	1	9/14/2009	
1,3-Dichlorobenzene	BQL	373	60.5	1	9/14/2009	
1,4-Dichlorobenzene	BQL	373	54.1	1	9/14/2009	
3,3'-Dichlorobenzidine	BQL	747	61.6	1	9/14/2009	
2,4-Dichlorophenol	BQL	373	40.7	1	9/14/2009	
Diethylphthalate	BQL	373	50.0	1	9/14/2009	
Dimethylphthalate	BQL	373	57.9	1	9/14/2009	
2,4-Dimethylphenol	BQL	373	67.6	1	9/14/2009	
Di-n-octylphthalate	**366**	373	57.5	1	9/14/2009	J
4,6-Dinitro-2-methylphenol	BQL	1870	44.4	1	9/14/2009	
2,4-Dinitrophenol	BQL	1870	48.5	1	9/14/2009	
2,4-Dinitrotoluene	BQL	373	56.7	1	9/14/2009	
2,6-Dinitrotoluene	BQL	373	61.6	1	9/14/2009	
Fluoranthene	BQL	373	60.1	1	9/14/2009	
Fluorene	BQL	373	58.2	1	9/14/2009	
Hexachlorobenzene	BQL	373	81.0	1	9/14/2009	
Hexachlorobutadiene	BQL	373	67.9	1	9/14/2009	
Hexachlorocyclopentadiene	BQL	747	72.8	1	9/14/2009	
Hexachloroethane	BQL	373	58.2	1	9/14/2009	
Indeno(1,2,3-c,d)pyrene	BQL	373	44.0	1	9/14/2009	
Isophorone	BQL	373	54.5	1	9/14/2009	
2-Methylnaphthalene	BQL	373	60.8	1	9/14/2009	
2-Methylphenol	BQL	373	57.1	1	9/14/2009	

Results for Semivolatiles
by GCMS 8270

Client Sample ID: SB-NWC-3 (4.5-5) (MS/MSD)
Client Project ID: Nassau Uniform
Lab Sample ID: G980-12-4S
Lab Project ID: G980-12
Report Basis: Dry weight
Initial Weight: 31.16 g

Analyzed By: EAW
Date Collected:
Date Received: 9/1/2009
Date Extracted: 9/9/2009
Matrix: Soil
% Solids: 85.98

Compound	Result ug/Kg	RL ug/Kg	MDL ug/Kg	Dilution Factor	Date Analyzed	Flag
3- & 4-Methylphenol	BQL	373	48.5	1	9/14/2009	
Naphthalene	BQL	373	52.3	1	9/14/2009	
2-Nitroaniline	BQL	373	50.0	1	9/14/2009	
3-Nitroaniline	BQL	1870	54.9	1	9/14/2009	
4-Nitroaniline	BQL	1870	50.0	1	9/14/2009	
Nitrobenzene	BQL	373	49.6	1	9/14/2009	
2-Nitrophenol	BQL	373	54.5	1	9/14/2009	
4-Nitrophenol	BQL	1870	64.9	1	9/14/2009	
Diphenylamine *	BQL	373	60.1	1	9/14/2009	
Pentachlorophenol	BQL	1870	34.3	1	9/14/2009	
Phenanthrene	BQL	373	52.3	1	9/14/2009	
Phenol	BQL	373	50.8	1	9/14/2009	
Pyrene	BQL	373	50.8	1	9/14/2009	
1,2,4-Trichlorobenzene	BQL	373	67.2	1	9/14/2009	
2,4,5-Trichlorophenol	BQL	373	55.6	1	9/14/2009	
2,4,6-Trichlorophenol	BQL	373	33.2	1	9/14/2009	

	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.5	85
2-Fluorophenol	10	9.1	91
Nitrobenzene-d5	10	8.6	86
Phenol-d6	10	8.9	89
2,4,6-Tribromophenol	10	6.3	63
4-Terphenyl-d14	10	10.3	103

Comments:
* N-Nitrosodiphenylamine is reported as the breakdown product Diphenylamine.

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By: 

Results of Library Search for Semivolatile Compounds

by GCMS

Client Sample ID: SB-NWC-3 (4.5-5) (MS/MSD)
Client Project ID: Nassau Uniform
Lab Sample ID: G980-12-4S
Lab Project ID: G980-12
Sample Wt/Vol: 31.16 g
Dilution: 1

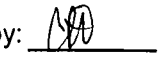
Analyzed By: DES
Date Collected: 8/31/2009 9:15
Date Received: 9/1/2009
Date Extracted: 9/9/2009
Date Analyzed: 9/14/2009
Matrix: Soil
% Solids: 85.98

No.	Compound	Retention Time	CAS#	Match Probability	Result ug/Kg
	No TIC's detected.				

Comment:

Tentatively Identified Compound (TIC) refers to substances which are not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist.

Quantitation is accomplished by relative peak area of the compound compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is equal to or greater than 10% of that of the nearest internal standard. Quantitation provided is an estimate.

Reviewed by: 

Results for Metals

Client Sample ID:	DUP	Analyzed By:	PSW
Client Project ID:	Nassau Uniform	Date Collected:	8/31/2009 08:00
Lab Sample ID:	G980-12-1	Date Received:	9/1/2009
Lab Project ID:	G980-12	Matrix:	SOIL
ICP InitWt/Vol:	0.59 g Final Vol: 50 mL	Solids	88.14
Hg InitWt/Vol:	0.51 g Final Vol: 50 mL	Report Basis:	Dry
Prep Batch:	15038 15043		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Aluminum	**5750**	961	265	100	MG/KG	6010B	9/3/2009	B
Antimony	BQL	3.85	0.413	1	MG/KG	6010B	9/3/2009	
Arsenic	**2.45**	0.961	0.567	1	MG/KG	6010B	9/3/2009	
Barium	**11.1**	9.61	1.07	1	MG/KG	6010B	9/3/2009	B
Beryllium	BQL	0.961	0.796	1	MG/KG	6010B	9/3/2009	
Cadmium	**0.140**	0.961	0.0777	1	MG/KG	6010B	9/3/2009	JB
Calcium	**697**	96.1	18.0	10	MG/KG	6010B	9/3/2009	B
Chromium	**7.51**	0.961	0.114	1	MG/KG	6010B	9/3/2009	B
Cobalt	**2.42**	0.961	0.237	1	MG/KG	6010B	9/3/2009	
Copper	**4.23**	0.961	0.152	1	MG/KG	6010B	9/3/2009	B
Iron	**6300**	961	279	100	MG/KG	6010B	9/3/2009	B
Lead	**4.07**	0.961	0.595	1	MG/KG	6010B	9/3/2009	B
Magnesium	**1200**	96.1	22.0	10	MG/KG	6010B	9/3/2009	
Manganese	**35.0**	0.961	0.210	1	MG/KG	6010B	9/3/2009	B
Mercury	**0.00443**	0.0222	0.00128	1	MG/KG	7471	9/4/2009	J
Nickel	**4.64**	0.961	0.462	1	MG/KG	6010B	9/3/2009	
Potassium	**321**	19.2	4.42	1	MG/KG	6010B	9/3/2009	B
Selenium	**1.77**	1.92	0.543	1	MG/KG	6010B	9/3/2009	J
Silver	**0.565**	0.961	0.0885	1	MG/KG	6010B	9/3/2009	JB
Sodium	**41.3**	19.2	0.695	1	MG/KG	6010B	9/3/2009	B
Thallium	BQL	0.961	0.823	1	MG/KG	6010B	9/4/2009	
Vanadium	**10.6**	4.81	0.483	1	MG/KG	6010B	9/3/2009	
Zinc	**10.1**	1.92	0.151	1	MG/KG	6010B	9/3/2009	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: 
METALS.XLS

Results for Metals

Client Sample ID:	SB-NWC-1 (4.5-5)			Analyzed By:	PSW
Client Project ID:	Nassau Uniform			Date Collected:	8/31/2009 08:55
Lab Sample ID:	G980-12-2			Date Received:	9/1/2009
Lab Project ID:	G980-12			Matrix:	SOIL
ICP InitWt/Vol:	0.6 g	Final Vol:	50 mL	Solids	90.41
Hg InitWt/Vol:	0.52 g	Final Vol:	50 mL	Report Basis:	Dry
Prep Batch:	15038 15043				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Aluminum	**5630**	922	254	100	MG/KG	6010B	9/3/2009	B
Antimony	BQL	3.69	0.396	1	MG/KG	6010B	9/3/2009	
Arsenic	**2.47**	0.922	0.544	1	MG/KG	6010B	9/3/2009	
Barium	**11.6**	9.22	1.02	1	MG/KG	6010B	9/3/2009	B
Beryllium	BQL	0.922	0.763	1	MG/KG	6010B	9/3/2009	
Cadmium	**0.131**	0.922	0.0745	1	MG/KG	6010B	9/3/2009	JB
Calcium	**631**	92.2	17.2	10	MG/KG	6010B	9/3/2009	B
Chromium	**6.97**	0.922	0.110	1	MG/KG	6010B	9/3/2009	B
Cobalt	**1.93**	0.922	0.227	1	MG/KG	6010B	9/3/2009	
Copper	**3.88**	0.922	0.146	1	MG/KG	6010B	9/3/2009	B
Iron	**7940**	922	267	100	MG/KG	6010B	9/3/2009	B
Lead	**4.84**	0.922	0.571	1	MG/KG	6010B	9/3/2009	B
Magnesium	**929**	92.2	21.1	10	MG/KG	6010B	9/3/2009	
Manganese	**31.1**	0.922	0.201	1	MG/KG	6010B	9/3/2009	B
Mercury	**0.00454**	0.0213	0.00122	1	MG/KG	7471	9/4/2009	J
Nickel	**3.95**	0.922	0.443	1	MG/KG	6010B	9/3/2009	
Potassium	**234**	18.4	4.24	1	MG/KG	6010B	9/3/2009	B
Selenium	**2.20**	1.84	0.521	1	MG/KG	6010B	9/3/2009	
Silver	**0.516**	0.922	0.0848	1	MG/KG	6010B	9/3/2009	JB
Sodium	**30.7**	18.4	0.666	1	MG/KG	6010B	9/3/2009	B
Thallium	**0.931**	0.922	0.789	1	MG/KG	6010B	9/4/2009	
Vanadium	**10.1**	4.61	0.463	1	MG/KG	6010B	9/3/2009	
Zinc	**10.2**	1.84	0.145	1	MG/KG	6010B	9/3/2009	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: 
METALS.XLS

Results for Metals

Client Sample ID:	SB-NWC-2 (4.5-5)			Analyzed By:	PSW
Client Project ID:	Nassau Uniform			Date Collected:	8/31/2009 09:05
Lab Sample ID:	G980-12-3			Date Received:	9/1/2009
Lab Project ID:	G980-12			Matrix:	SOIL
ICP InitWt/Vol:	0.59 g	Final Vol:	50 mL	Solids	88.95
Hg InitWt/Vol:	0.51 g	Final Vol:	50 mL	Report Basis:	Dry
Prep Batch:	15038 15043				

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Aluminum	**6560**	953	263	100	MG/KG	6010B	9/3/2009	B
Antimony	BQL	3.81	0.410	1	MG/KG	6010B	9/3/2009	
Arsenic	**2.78**	0.953	0.562	1	MG/KG	6010B	9/3/2009	
Barium	**11.2**	9.53	1.06	1	MG/KG	6010B	9/3/2009	B
Beryllium	BQL	0.953	0.789	1	MG/KG	6010B	9/3/2009	
Cadmium	**0.190**	0.953	0.0770	1	MG/KG	6010B	9/3/2009	JB
Calcium	**443**	9.53	1.78	1	MG/KG	6010B	9/3/2009	B
Chromium	**7.87**	0.953	0.113	1	MG/KG	6010B	9/3/2009	B
Cobalt	**2.67**	0.953	0.234	1	MG/KG	6010B	9/3/2009	
Copper	**5.13**	0.953	0.151	1	MG/KG	6010B	9/3/2009	B
Iron	**6840**	953	276	100	MG/KG	6010B	9/3/2009	B
Lead	**4.40**	0.953	0.590	1	MG/KG	6010B	9/3/2009	B
Magnesium	**1350**	95.3	21.8	10	MG/KG	6010B	9/3/2009	
Manganese	**36.2**	0.953	0.208	1	MG/KG	6010B	9/3/2009	B
Mercury	**0.00556**	0.0220	0.00127	1	MG/KG	7471	9/4/2009	J
Nickel	**4.97**	0.953	0.458	1	MG/KG	6010B	9/3/2009	
Potassium	**327**	19.1	4.38	1	MG/KG	6010B	9/3/2009	B
Selenium	**1.94**	1.91	0.538	1	MG/KG	6010B	9/3/2009	
Silver	**0.537**	0.953	0.0877	1	MG/KG	6010B	9/3/2009	JB
Sodium	**46.2**	19.1	0.689	1	MG/KG	6010B	9/3/2009	B
Thallium	BQL	0.953	0.816	1	MG/KG	6010B	9/4/2009	
Vanadium	**11.9**	4.76	0.478	1	MG/KG	6010B	9/3/2009	
Zinc	**11.3**	1.91	0.150	1	MG/KG	6010B	9/3/2009	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: 
METALS.XLS

Results for Metals

Client Sample ID:	SB-NWC-3 (4.5-5) (MS/MSD)	Analyzed By:	PSW
Client Project ID:	Nassau Uniform	Date Collected:	8/31/2009 09:15
Lab Sample ID:	G980-12-4	Date Received:	9/1/2009
Lab Project ID:	G980-12	Matrix:	SOIL
ICP InitWt/Vol:	0.55 g Final Vol: 50 mL	Solids	85.98
Hg InitWt/Vol:	0.52 g Final Vol: 50 mL	Report Basis:	Dry
Prep Batch:	15038 15043		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Aluminum	**7140**	1060	292	100	MG/KG	6010B	9/3/2009	B
Antimony	BQL	4.23	0.455	1	MG/KG	6010B	9/3/2009	
Arsenic	**3.14**	1.06	0.624	1	MG/KG	6010B	9/3/2009	
Barium	**12.5**	10.6	1.17	1	MG/KG	6010B	9/3/2009	B
Beryllium	BQL	1.06	0.875	1	MG/KG	6010B	9/3/2009	
Cadmium	**0.144**	1.06	0.0854	1	MG/KG	6010B	9/3/2009	JB
Calcium	**465**	10.6	1.98	1	MG/KG	6010B	9/3/2009	B
Chromium	**7.83**	1.06	0.126	1	MG/KG	6010B	9/3/2009	B
Cobalt	**3.15**	1.06	0.260	1	MG/KG	6010B	9/3/2009	
Copper	**4.63**	1.06	0.167	1	MG/KG	6010B	9/3/2009	B
Iron	**8960**	1060	307	100	MG/KG	6010B	9/3/2009	B
Lead	**4.78**	1.06	0.654	1	MG/KG	6010B	9/3/2009	B
Magnesium	**1090**	106	24.2	10	MG/KG	6010B	9/3/2009	
Manganese	**49.6**	1.06	0.230	1	MG/KG	6010B	9/3/2009	B
Mercury	**0.0112**	0.0224	0.00129	1	MG/KG	7471	9/4/2009	J
Nickel	**5.06**	1.06	0.509	1	MG/KG	6010B	9/3/2009	
Potassium	**308**	21.1	4.86	1	MG/KG	6010B	9/3/2009	B
Selenium	**2.69**	2.11	0.597	1	MG/KG	6010B	9/3/2009	
Silver	**0.632**	1.06	0.0973	1	MG/KG	6010B	9/3/2009	JB
Sodium	**31.0**	21.1	0.764	1	MG/KG	6010B	9/3/2009	B
Thallium	**0.958**	1.06	0.905	1	MG/KG	6010B	9/3/2009	J
Vanadium	**12.1**	5.29	0.531	1	MG/KG	6010B	9/3/2009	
Zinc	**11.5**	2.11	0.166	1	MG/KG	6010B	9/3/2009	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By: _____
METALS.XLS

CHAIN OF CUSTODY RECORD
SGS North America Inc.

Locations Nationwide
- Alaska
- Maryland
- New Jersey
- New York
- North Carolina
- Ohio

www.us.sgs.com

098914

(1)

CLIENT: GANNETT FLEMING

CONTACT: JESSICA FERNGREN PHONE NO: (516) 671-8440

PROJECT: NASSAU UNIFORM SITE/PWSID# :

REPORTS TO: JESSICA FERNGREN FAX NO.: (516) 671-3349

INVOICE TO: JESSICA FERNGREN QUOTE #: P.O. NUMBER:

SGS Reference: G980-12

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C=COMP G=GRAB)	Preservatives Used	Analysis Required (3): Full List VOCs + TICs	Full List SVOCs + TICs	Total Metals	REMARKS
	DUP	8/31/09	0800	Soil	3	G	ICE	X	X	X	
	SB-NWC-1(4.5-5)	8/31/09	0855	Soil	3	G	ICE	X	X	X	
	SB-NWC-2(4.5-5)	8/31/09	0905	Soil	3	G	ICE	X	X	X	
	SB-NWC-3(4.5-5)	8/31/09	0915	Soil	3	G	ICE	X	X	X	
	SB-NWC-3(4.5-5) MS	8/31/09	0915	Soil	3	G	ICE	X	X	X	
	SB-NWC-3(4.5-5) MSD	8/31/09	0915	Soil	3	G	ICE	X	X	X	

(5)

Collected/Relinquished By: (1)	Date	Time	Received By:
Jessica Ferngren	8/31/09	1130	
Relinquished By: (2)	Date	Time	Received By:
	9/1/09	1205	
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature °C: 5.9°C.

Special Deliverable Requirements:

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions: CATEGORY B Deliverables

Requested Turnaround Time:

☐ RUSH _____ (Date Needed) ☒ STD

SGS North America, Inc.

☐ 200 W. Potter Drive **Anchorage, AK 99518** Tel: (907) 562-2343 Fax: (907) 561-5301
☐ 5500 Business Drive **Wilmington, NC 28405** Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client

Jessica Ferngren
Gannett Fleming
P.O. Box 707
Locust Valley, NY 11560

Report Number: G980-13

Client Project: Nassau Uniform

Dear Jessica Ferngren,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Barbara Hager at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America, Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,
SGS North America, Inc.

Barbara Hager Sept 29. 2009

Project Manager
Barbara Hager

Date

Air Toxics LTD.
Laboratory Services Since 1989

9/28/2009
Ms. Linda McWhirter
SGS Environmental Services Inc.
5500 Business Drive

Wilmington NC 28405

Project Name: Nassau Uniform
Project #:
Workorder #: 0909297

Dear Ms. Linda McWhirter

The following report includes the data for the above referenced project for sample(s) received on 9/15/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15/TIC are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Bryanna Langley at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Bryanna Langley
Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0909297

Work Order Summary

CLIENT:	Ms. Linda McWhirter SGS Environmental Services Inc. 5500 Business Drive Wilmington, NC 28405	**BILL TO:**	Ms. Linda McWhirter SGS Environmental Services Inc. 5500 Business Drive Wilmington, NC 28405
PHONE:	910-350-1903	**P.O. #**	
FAX:	910-350-1557	**PROJECT #**	Nassau Uniform
DATE RECEIVED:	09/15/2009	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	09/28/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	AMBIENT	Modified TO-15/TIC	3.5 "Hg	5 psi
02A	SGP-6	Modified TO-15/TIC	5.0 "Hg	5 psi
03A	SGP-5	Modified TO-15/TIC	3.5 "Hg	5 psi
04A	SGP-4	Modified TO-15/TIC	6.0 "Hg	5 psi
05A	SGP-3	Modified TO-15/TIC	6.5 "Hg	5 psi
06A	SGP-2	Modified TO-15/TIC	4.0 "Hg	5 psi
07A	SGP-1	Modified TO-15/TIC	3.0 "Hg	5 psi
08A	Lab Blank	Modified TO-15/TIC	NA	NA
09A	CCV	Modified TO-15/TIC	NA	NA
10A	LCS	Modified TO-15/TIC	NA	NA

CERTIFIED BY: Linda D. Fruman DATE: 09/28/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/09, Expiration date: 06/30/10
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
SGS Environmental Services Inc.
Workorder# 0909297

Seven 6 Liter Summa Canister (100% Certified) samples were received on September 15, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	*TO-15*	*ATL Modifications*
Daily CCV	</= 30% Difference	</= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) was not relinquished properly. A signature and date were not provided by the field sampler.

Analytical Notes

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

The reported CCV for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

Specific analytes that are requested by the client to be reported as tentatively identified compounds (TICs) are determined by searching for each compound's characteristic spectra. If no chromatographic peak displaying the compound specific spectra exists, then the TIC is reported as not detected. Please note that the laboratory has not evaluated the stability of any heretofore tentatively identified compound in the vapor phase or for efficiency of recovery through the analytical system.

As per project specific client request the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified may be false positives.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: AMBIENT

Lab ID#: 0909297-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.15	0.33	0.75	1.6
Chloromethane	0.15	0.45 J	0.31	0.92 J
1,3-Butadiene	0.15	0.083 J	0.34	0.18 J
Bromomethane	0.15	0.055 J	0.59	0.21 J
Freon 11	0.15	0.23	0.85	1.3
Freon 113	0.15	0.082 J	1.2	0.62 J
Acetone	0.76	5.2	1.8	12
Methylene Chloride	0.30	0.13 J	1.0	0.46 J
Hexane	0.15	0.20	0.54	0.70
2-Butanone (Methyl Ethyl Ketone)	0.15	0.42	0.45	1.2
1,1,1-Trichloroethane	0.15	0.78	0.83	4.2
Carbon Tetrachloride	0.15	0.090 J	0.96	0.57 J
2,2,4-Trimethylpentane	0.76	0.22 J	3.6	1.0 J
Benzene	0.15	0.33	0.48	1.1
1,2-Dichloroethane	0.15	0.19	0.62	0.76
Heptane	0.15	0.14 J	0.62	0.58 J
Trichloroethene	0.15	0.48	0.82	2.6
4-Methyl-2-pentanone	0.15	0.52	0.62	2.1
Toluene	0.15	1.0	0.57	3.8
Tetrachloroethene	0.15	0.46	1.0	3.2
Ethyl Benzene	0.15	0.11 J	0.66	0.49 J
m,p-Xylene	0.15	0.36	0.66	1.6
o-Xylene	0.15	0.14 J	0.66	0.60 J
Styrene	0.15	0.069 J	0.65	0.29 J
4-Ethyltoluene	0.15	0.23	0.75	1.1
1,3,5-Trimethylbenzene	0.15	0.064 J	0.75	0.32 J
1,2,4-Trimethylbenzene	0.15	0.23	0.75	1.2
1,3-Dichlorobenzene	0.15	1.2	0.91	7.2
1,4-Dichlorobenzene	0.15	0.062 J	0.91	0.38 J
tert-Butyl alcohol	0.76	0.42 J	2.3	1.3 J

Client Sample ID: SGP-6

Lab ID#: 0909297-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.54	0.78	2.6	3.9

Air Toxics LTD.
Laboratory Services Since 1989

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SGP-6

Lab ID#: 0909297-02A

Chloromethane	0.54	1.2 J	1.1	2.6 J
Vinyl Chloride	0.54	0.47 J	1.4	1.2 J
Bromomethane	0.54	0.25 J	2.1	0.97 J
Freon 11	0.54	0.59	3.0	3.3
Acetone	2.7	52	6.4	120
Carbon Disulfide	2.7	17	8.4	52
Hexane	0.54	23	1.9	82
2-Butanone (Methyl Ethyl Ketone)	0.54	3.3	1.6	9.7
cis-1,2-Dichloroethene	0.54	0.74	2.1	2.9
2,2,4-Trimethylpentane	2.7	140	12	660
Benzene	0.54	7.5	1.7	24
Heptane	0.54	2.8	2.2	12
Trichloroethene	0.54	4.1	2.9	22
Toluene	0.54	4.5	2.0	17
Tetrachloroethene	0.54	1.1	3.6	7.5
Chlorobenzene	0.54	0.11 J	2.5	0.50 J
Ethyl Benzene	0.54	0.32 J	2.3	1.4 J
m,p-Xylene	0.54	1.0	2.3	4.4
o-Xylene	0.54	0.33 J	2.3	1.4 J
Styrene	0.54	0.12 J	2.3	0.53 J
4-Ethyltoluene	0.54	0.60	2.6	2.9
1,3,5-Trimethylbenzene	0.54	0.20 J	2.6	1.0 J
1,2,4-Trimethylbenzene	0.54	0.76	2.6	3.7
1,3-Dichlorobenzene	0.54	2.7	3.2	16
1,4-Dichlorobenzene	0.54	0.11 J	3.2	0.66 J
tert-Butyl alcohol	2.7	10	8.1	31

Client Sample ID: SGP-5

Lab ID#: 0909297-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.15	0.23	0.75	1.1
Chloromethane	0.15	0.77 J	0.31	1.6 J
Bromomethane	0.15	0.075 J	0.59	0.29 J
Chloroethane	0.15	0.12 J	0.40	0.32 J
Freon 11	0.15	0.39	0.85	2.2
Freon 113	0.15	0.079 J	1.2	0.60 J
Acetone	0.76	42	1.8	100
Carbon Disulfide	0.76	1.9	2.4	5.9

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SGP-5

Lab ID#: 0909297-03A

Methylene Chloride	0.30	0.22 J	1.0	0.77 J
Methyl tert-butyl ether	0.15	0.14 J	0.55	0.52 J
Hexane	0.15	0.47	0.54	1.6
2-Butanone (Methyl Ethyl Ketone)	0.15	3.0	0.45	9.0
cis-1,2-Dichloroethene	0.15	0.11 J	0.60	0.42 J
Tetrahydrofuran	0.76	0.44 J	2.2	1.3 J
1,1,1-Trichloroethane	0.15	0.044 J	0.83	0.24 J
Cyclohexane	0.15	0.41	0.52	1.4
Carbon Tetrachloride	0.15	0.052 J	0.96	0.32 J
2,2,4-Trimethylpentane	0.76	0.26 J	3.6	1.2 J
Benzene	0.15	1.0	0.48	3.3
1,2-Dichloroethane	0.15	0.038 J	0.62	0.15 J
Heptane	0.15	0.35	0.62	1.4
Trichloroethene	0.15	0.10 J	0.82	0.54 J
4-Methyl-2-pentanone	0.15	2.3	0.62	9.5
Toluene	0.15	2.8	0.57	10
Tetrachloroethene	0.15	14	1.0	93
Chlorobenzene	0.15	0.064 J	0.70	0.29 J
Ethyl Benzene	0.15	0.16	0.66	0.71
m,p-Xylene	0.15	0.46	0.66	2.0
o-Xylene	0.15	0.15	0.66	0.67
Styrene	0.15	0.086 J	0.65	0.36 J
4-Ethyltoluene	0.15	0.25	0.75	1.2
1,3,5-Trimethylbenzene	0.15	0.077 J	0.75	0.38 J
1,2,4-Trimethylbenzene	0.15	0.26	0.75	1.3
1,3-Dichlorobenzene	0.15	2.3	0.91	14
1,4-Dichlorobenzene	0.15	0.056 J	0.91	0.33 J
tert-Butyl alcohol	0.76	8.1	2.3	24

Client Sample ID: SGP-4

Lab ID#: 0909297-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.17	0.16 J	0.83	0.81 J
Chloromethane	0.17	2.4 J	0.35	5.0 J
Vinyl Chloride	0.17	0.072 J	0.43	0.18 J
1,3-Butadiene	0.17	0.14 J	0.37	0.30 J
Bromomethane	0.17	0.094 J	0.65	0.36 J
Chloroethane	0.17	0.13 J	0.44	0.35 J

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SGP-4

Lab ID#: 0909297-04A

Freon 11	0.17	0.36	0.94	2.0
Freon 113	0.17	0.10 J	1.3	0.80 J
1,1-Dichloroethene	0.17	0.10 J	0.67	0.40 J
Acetone	0.84	58	2.0	140
Carbon Disulfide	0.84	7.6	2.6	24
Methylene Chloride	0.34	0.13 J	1.2	0.44 J
Methyl tert-butyl ether	0.17	0.042 J	0.60	0.15 J
trans-1,2-Dichloroethene	0.17	0.12 J	0.67	0.47 J
Hexane	0.17	0.22	0.59	0.78
2-Butanone (Methyl Ethyl Ketone)	0.17	3.3	0.50	9.8
cis-1,2-Dichloroethene	0.17	0.41	0.67	1.6
Tetrahydrofuran	0.84	0.60 J	2.5	1.8 J
Chloroform	0.17	0.37	0.82	1.8
1,1,1-Trichloroethane	0.17	0.81	0.92	4.4
Cyclohexane	0.17	0.087 J	0.58	0.30 J
Carbon Tetrachloride	0.17	0.050 J	1.0	0.31 J
2,2,4-Trimethylpentane	0.84	0.28 J	3.9	1.3 J
Benzene	0.17	0.95	0.54	3.0
1,2-Dichloroethane	0.17	0.048 J	0.68	0.20 J
Heptane	0.17	0.25	0.69	1.0
Trichloroethene	0.17	30	0.90	160
1,4-Dioxane	0.17	0.14 J	0.60	0.52 J
4-Methyl-2-pentanone	0.17	2.6	0.69	10
Toluene	0.17	3.5	0.63	13
Tetrachloroethene	0.17	42	1.1	280
Chlorobenzene	0.17	0.050 J	0.77	0.23 J
Ethyl Benzene	0.17	0.16 J	0.73	0.68 J
m,p-Xylene	0.17	0.42	0.73	1.8
o-Xylene	0.17	0.16 J	0.73	0.69 J
Styrene	0.17	0.086 J	0.72	0.36 J
4-Ethyltoluene	0.17	0.24	0.82	1.2
1,3,5-Trimethylbenzene	0.17	0.066 J	0.82	0.33 J
1,2,4-Trimethylbenzene	0.17	0.24	0.82	1.2
1,3-Dichlorobenzene	0.17	1.9	1.0	12
1,4-Dichlorobenzene	0.17	0.067 J	1.0	0.40 J
tert-Butyl alcohol	0.84	8.4	2.5	26

Client Sample ID: SGP-3

Lab ID#: 0909297-05A

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SGP-3

Lab ID#: 0909297-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.17	0.43	0.84	2.2
Chloromethane	0.17	1.8 J	0.35	3.7 J
Vinyl Chloride	0.17	0.056 J	0.44	0.14 J
Bromomethane	0.17	0.093 J	0.66	0.36 J
Freon 11	0.17	0.32	0.96	1.8
Freon 113	0.17	0.082 J	1.3	0.63 J
Acetone	0.86	58	2.0	140
Carbon Disulfide	0.86	15	2.7	47
Methylene Chloride	0.34	0.16 J	1.2	0.57 J
Hexane	0.17	1.2	0.60	4.1
2-Butanone (Methyl Ethyl Ketone)	0.17	4.5	0.50	13
Tetrahydrofuran	0.86	0.56 J	2.5	1.6 J
Chloroform	0.17	0.074 J	0.83	0.36 J
Cyclohexane	0.17	1.1	0.59	3.7
Carbon Tetrachloride	0.17	0.073 J	1.1	0.46 J
2,2,4-Trimethylpentane	0.86	0.43 J	4.0	2.0 J
Benzene	0.17	1.0	0.55	3.2
Heptane	0.17	0.32	0.70	1.3
Trichloroethene	0.17	0.047 J	0.92	0.25 J
4-Methyl-2-pentanone	0.17	2.3	0.70	9.5
Toluene	0.17	2.0	0.64	7.4
Tetrachloroethene	0.17	0.25	1.2	1.7
Chlorobenzene	0.17	0.059 J	0.79	0.27 J
Ethyl Benzene	0.17	0.15 J	0.74	0.64 J
m,p-Xylene	0.17	0.38	0.74	1.7
o-Xylene	0.17	0.15 J	0.74	0.66 J
Styrene	0.17	0.095 J	0.73	0.41 J
4-Ethyltoluene	0.17	0.22	0.84	1.1
1,3,5-Trimethylbenzene	0.17	0.073 J	0.84	0.36 J
1,2,4-Trimethylbenzene	0.17	0.26	0.84	1.3
1,3-Dichlorobenzene	0.17	2.1	1.0	13
1,4-Dichlorobenzene	0.17	0.070 J	1.0	0.42 J
tert-Butyl alcohol	0.86	11	2.6	33

Client Sample ID: SGP-2

Lab ID#: 0909297-06A

Air Toxics LTD.
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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SGP-2

Lab ID#: 0909297-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.16	0.33	0.77	1.6
Chloromethane	0.16	0.50 J	0.32	1.0 J
Bromomethane	0.16	0.11 J	0.60	0.43 J
Freon 11	0.16	0.33	0.87	1.9
Freon 113	0.16	0.083 J	1.2	0.63 J
Acetone	0.78	33	1.8	79
Carbon Disulfide	0.78	2.2	2.4	7.0
Methylene Chloride	0.31	0.11 J	1.1	0.40 J
Methyl tert-butyl ether	0.16	0.043 J	0.56	0.15 J
trans-1,2-Dichloroethene	0.16	0.91	0.61	3.6
Hexane	0.16	0.75	0.55	2.6
1,1-Dichloroethane	0.16	0.13 J	0.63	0.54 J
2-Butanone (Methyl Ethyl Ketone)	0.16	3.5	0.46	10
cis-1,2-Dichloroethene	0.16	5.4	0.61	21
Tetrahydrofuran	0.78	0.39 J	2.3	1.2 J
Chloroform	0.16	0.43	0.76	2.1
1,1,1-Trichloroethane	0.16	4.5	0.84	25
Cyclohexane	0.16	1.0	0.53	3.5
Carbon Tetrachloride	0.16	0.057 J	0.98	0.36 J
2,2,4-Trimethylpentane	0.78	0.24 J	3.6	1.1 J
Benzene	0.16	0.69	0.50	2.2
1,2-Dichloroethane	0.16	0.042 J	0.63	0.17 J
Heptane	0.16	0.34	0.64	1.4
Trichloroethene	0.16	41	0.83	220
4-Methyl-2-pentanone	0.16	2.3	0.63	9.3
Toluene	0.16	2.6	0.58	9.8
Tetrachloroethene	0.16	33	1.0	220
Chlorobenzene	0.16	0.040 J	0.71	0.18 J
Ethyl Benzene	0.16	0.15 J	0.67	0.67 J
m,p-Xylene	0.16	0.44	0.67	1.9
o-Xylene	0.16	0.15 J	0.67	0.65 J
Styrene	0.16	0.083 J	0.66	0.35 J
4-Ethyltoluene	0.16	0.24	0.76	1.2
1,3,5-Trimethylbenzene	0.16	0.066 J	0.76	0.33 J
1,2,4-Trimethylbenzene	0.16	0.26	0.76	1.2
1,3-Dichlorobenzene	0.16	1.9	0.93	11
1,4-Dichlorobenzene	0.16	0.079 J	0.93	0.47 J

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SGP-2

Lab ID#: 0909297-06A

tert-Butyl alcohol	0.78	6.7	2.3	20

Client Sample ID: SGP-1

Lab ID#: 0909297-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	3.0	120	7.6	300
Chloroethane	3.0	11	7.9	30
Acetone	15	42	35	100
Carbon Disulfide	15	1.2 J	46	3.9 J
trans-1,2-Dichloroethene	3.0	50	12	200
Hexane	3.0	1.0 J	10	3.5 J
1,1-Dichloroethane	3.0	6.9	12	28
cis-1,2-Dichloroethene	3.0	830	12	3300
Cyclohexane	3.0	1.3 J	10	4.6 J
Benzene	3.0	1.6 J	9.5	5.3 J
Trichloroethene	3.0	32	16	170
4-Methyl-2-pentanone	3.0	1.3 J	12	5.5 J
Toluene	3.0	2.1 J	11	7.8 J
Tetrachloroethene	3.0	3.2	20	22
1,3-Dichlorobenzene	3.0	1.4 J	18	8.4 J
tert-Butyl alcohol	15	4.0 J	45	12 J

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Laboratory Services Since 1989

Client Sample ID: AMBIENT

Lab ID#: 0909297-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s092411**	**Date of Collection:**	**9/14/09 11:09:00 AM**
Dil. Factor:	**1.52**	**Date of Analysis:**	**9/24/09 04:18 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.15	0.33	0.75	1.6
Freon 114	0.15	Not Detected	1.1	Not Detected
Chloromethane	0.15	0.45 J	0.31	0.92 J
Vinyl Chloride	0.15	Not Detected	0.39	Not Detected
1,3-Butadiene	0.15	0.083 J	0.34	0.18 J
Bromomethane	0.15	0.055 J	0.59	0.21 J
Chloroethane	0.15	Not Detected	0.40	Not Detected
Freon 11	0.15	0.23	0.85	1.3
Freon 113	0.15	0.082 J	1.2	0.62 J
1,1-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Acetone	0.76	5.2	1.8	12
Carbon Disulfide	0.76	Not Detected	2.4	Not Detected
Methylene Chloride	0.30	0.13 J	1.0	0.46 J
Methyl tert-butyl ether	0.15	Not Detected	0.55	Not Detected
trans-1,2-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Hexane	0.15	0.20	0.54	0.70
1,1-Dichloroethane	0.15	Not Detected	0.62	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.15	0.42	0.45	1.2
cis-1,2-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Tetrahydrofuran	0.76	Not Detected	2.2	Not Detected
Chloroform	0.15	Not Detected	0.74	Not Detected
1,1,1-Trichloroethane	0.15	0.78	0.83	4.2
Cyclohexane	0.15	Not Detected	0.52	Not Detected
Carbon Tetrachloride	0.15	0.090 J	0.96	0.57 J
2,2,4-Trimethylpentane	0.76	0.22 J	3.6	1.0 J
Benzene	0.15	0.33	0.48	1.1
1,2-Dichloroethane	0.15	0.19	0.62	0.76
Heptane	0.15	0.14 J	0.62	0.58 J
Trichloroethene	0.15	0.48	0.82	2.6
1,2-Dichloropropane	0.15	Not Detected	0.70	Not Detected
1,4-Dioxane	0.15	Not Detected	0.55	Not Detected
Bromodichloromethane	0.15	Not Detected	1.0	Not Detected
cis-1,3-Dichloropropene	0.15	Not Detected	0.69	Not Detected
4-Methyl-2-pentanone	0.15	0.52	0.62	2.1
Toluene	0.15	1.0	0.57	3.8
trans-1,3-Dichloropropene	0.15	Not Detected	0.69	Not Detected
1,1,2-Trichloroethane	0.15	Not Detected	0.83	Not Detected
Tetrachloroethene	0.15	0.46	1.0	3.2
Dibromochloromethane	0.15	Not Detected	1.3	Not Detected

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Client Sample ID: AMBIENT

Lab ID#: 0909297-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s092411**	**Date of Collection:**	**9/14/09 11:09:00 AM**
Dil. Factor:	**1.52**	**Date of Analysis:**	**9/24/09 04:18 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	0.15	Not Detected	1.2	Not Detected
Chlorobenzene	0.15	Not Detected	0.70	Not Detected
Ethyl Benzene	0.15	0.11 J	0.66	0.49 J
m,p-Xylene	0.15	0.36	0.66	1.6
o-Xylene	0.15	0.14 J	0.66	0.60 J
Styrene	0.15	0.069 J	0.65	0.29 J
Bromoform	0.15	Not Detected	1.6	Not Detected
1,1,2,2-Tetrachloroethane	0.15	Not Detected	1.0	Not Detected
4-Ethyltoluene	0.15	0.23	0.75	1.1
1,3,5-Trimethylbenzene	0.15	0.064 J	0.75	0.32 J
1,2,4-Trimethylbenzene	0.15	0.23	0.75	1.2
1,3-Dichlorobenzene	0.15	1.2	0.91	7.2
1,4-Dichlorobenzene	0.15	0.062 J	0.91	0.38 J
1,2-Dichlorobenzene	0.15	Not Detected	0.91	Not Detected
1,2,4-Trichlorobenzene	0.76	Not Detected U J	5.6	Not Detected U J
Hexachlorobutadiene	0.76	Not Detected	8.1	Not Detected
tert-Butyl alcohol	0.76	0.42 J	2.3	1.3 J
Vinyl Bromide	0.76	Not Detected	3.3	Not Detected
2-Chlorotoluene	0.76	Not Detected	3.9	Not Detected
3-Chloropropene	0.76	Not Detected	2.4	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Methyl Methacrylate	80-62-6	NA	Not Detected

J = Estimated value due to bias in the CCV.
J = Estimated value.
UJ = Non-detected compound associated with low bias in the CCV
Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	88	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SGP-6

Lab ID#: 0909297-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s092415**	**Date of Collection:**	**9/14/09 11:30:00 AM**
Dil. Factor:	**5.37**	**Date of Analysis:**	**9/24/09 06:52 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.54	0.78	2.6	3.9
Freon 114	0.54	Not Detected	3.8	Not Detected
Chloromethane	0.54	1.2 J	1.1	2.6 J
Vinyl Chloride	0.54	0.47 J	1.4	1.2 J
1,3-Butadiene	0.54	Not Detected	1.2	Not Detected
Bromomethane	0.54	0.25 J	2.1	0.97 J
Chloroethane	0.54	Not Detected	1.4	Not Detected
Freon 11	0.54	0.59	3.0	3.3
Freon 113	0.54	Not Detected	4.1	Not Detected
1,1-Dichloroethene	0.54	Not Detected	2.1	Not Detected
Acetone	2.7	52	6.4	120
Carbon Disulfide	2.7	17	8.4	52
Methylene Chloride	1.1	Not Detected	3.7	Not Detected
Methyl tert-butyl ether	0.54	Not Detected	1.9	Not Detected
trans-1,2-Dichloroethene	0.54	Not Detected	2.1	Not Detected
Hexane	0.54	23	1.9	82
1,1-Dichloroethane	0.54	Not Detected	2.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.54	3.3	1.6	9.7
cis-1,2-Dichloroethene	0.54	0.74	2.1	2.9
Tetrahydrofuran	2.7	Not Detected	7.9	Not Detected
Chloroform	0.54	Not Detected	2.6	Not Detected
1,1,1-Trichloroethane	0.54	Not Detected	2.9	Not Detected
Cyclohexane	0.54	Not Detected	1.8	Not Detected
Carbon Tetrachloride	0.54	Not Detected	3.4	Not Detected
2,2,4-Trimethylpentane	2.7	140	12	660
Benzene	0.54	7.5	1.7	24
1,2-Dichloroethane	0.54	Not Detected	2.2	Not Detected
Heptane	0.54	2.8	2.2	12
Trichloroethene	0.54	4.1	2.9	22
1,2-Dichloropropane	0.54	Not Detected	2.5	Not Detected
1,4-Dioxane	0.54	Not Detected	1.9	Not Detected
Bromodichloromethane	0.54	Not Detected	3.6	Not Detected
cis-1,3-Dichloropropene	0.54	Not Detected	2.4	Not Detected
4-Methyl-2-pentanone	0.54	Not Detected	2.2	Not Detected
Toluene	0.54	4.5	2.0	17
trans-1,3-Dichloropropene	0.54	Not Detected	2.4	Not Detected
1,1,2-Trichloroethane	0.54	Not Detected	2.9	Not Detected
Tetrachloroethene	0.54	1.1	3.6	7.5
Dibromochloromethane	0.54	Not Detected	4.6	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SGP-6

Lab ID#: 0909297-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s092415**	**Date of Collection:**	**9/14/09 11:30:00 AM**
Dil. Factor:	**5.37**	**Date of Analysis:**	**9/24/09 06:52 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	0.54	Not Detected	4.1	Not Detected
Chlorobenzene	0.54	0.11 J	2.5	0.50 J
Ethyl Benzene	0.54	0.32 J	2.3	1.4 J
m,p-Xylene	0.54	1.0	2.3	4.4
o-Xylene	0.54	0.33 J	2.3	1.4 J
Styrene	0.54	0.12 J	2.3	0.53 J
Bromoform	0.54	Not Detected	5.6	Not Detected
1,1,2,2-Tetrachloroethane	0.54	Not Detected	3.7	Not Detected
4-Ethyltoluene	0.54	0.60	2.6	2.9
1,3,5-Trimethylbenzene	0.54	0.20 J	2.6	1.0 J
1,2,4-Trimethylbenzene	0.54	0.76	2.6	3.7
1,3-Dichlorobenzene	0.54	2.7	3.2	16
1,4-Dichlorobenzene	0.54	0.11 J	3.2	0.66 J
1,2-Dichlorobenzene	0.54	Not Detected	3.2	Not Detected
1,2,4-Trichlorobenzene	2.7	Not Detected U J	20	Not Detected U J
Hexachlorobutadiene	2.7	Not Detected	29	Not Detected
tert-Butyl alcohol	2.7	10	8.1	31
Vinyl Bromide	2.7	Not Detected	12	Not Detected
2-Chlorotoluene	2.7	Not Detected	14	Not Detected
3-Chloropropene	2.7	Not Detected	8.4	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Methyl Methacrylate	80-62-6	NA	Not Detected

J = Estimated value due to bias in the CCV.
J = Estimated value.
UJ = Non-detected compound associated with low bias in the CCV
Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	125	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	91	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SGP-5

Lab ID#: 0909297-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	s092416	Date of Collection:	9/14/09 11:30:00 AM
Dil. Factor:	1.52	Date of Analysis:	9/24/09 07:44 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.15	0.23	0.75	1.1
Freon 114	0.15	Not Detected	1.1	Not Detected
Chloromethane	0.15	0.77 J	0.31	1.6 J
Vinyl Chloride	0.15	Not Detected	0.39	Not Detected
1,3-Butadiene	0.15	Not Detected	0.34	Not Detected
Bromomethane	0.15	0.075 J	0.59	0.29 J
Chloroethane	0.15	0.12 J	0.40	0.32 J
Freon 11	0.15	0.39	0.85	2.2
Freon 113	0.15	0.079 J	1.2	0.60 J
1,1-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Acetone	0.76	42	1.8	100
Carbon Disulfide	0.76	1.9	2.4	5.9
Methylene Chloride	0.30	0.22 J	1.0	0.77 J
Methyl tert-butyl ether	0.15	0.14 J	0.55	0.52 J
trans-1,2-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Hexane	0.15	0.47	0.54	1.6
1,1-Dichloroethane	0.15	Not Detected	0.62	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.15	3.0	0.45	9.0
cis-1,2-Dichloroethene	0.15	0.11 J	0.60	0.42 J
Tetrahydrofuran	0.76	0.44 J	2.2	1.3 J
Chloroform	0.15	Not Detected	0.74	Not Detected
1,1,1-Trichloroethane	0.15	0.044 J	0.83	0.24 J
Cyclohexane	0.15	0.41	0.52	1.4
Carbon Tetrachloride	0.15	0.052 J	0.96	0.32 J
2,2,4-Trimethylpentane	0.76	0.26 J	3.6	1.2 J
Benzene	0.15	1.0	0.48	3.3
1,2-Dichloroethane	0.15	0.038 J	0.62	0.15 J
Heptane	0.15	0.35	0.62	1.4
Trichloroethene	0.15	0.10 J	0.82	0.54 J
1,2-Dichloropropane	0.15	Not Detected	0.70	Not Detected
1,4-Dioxane	0.15	Not Detected	0.55	Not Detected
Bromodichloromethane	0.15	Not Detected	1.0	Not Detected
cis-1,3-Dichloropropene	0.15	Not Detected	0.69	Not Detected
4-Methyl-2-pentanone	0.15	2.3	0.62	9.5
Toluene	0.15	2.8	0.57	10
trans-1,3-Dichloropropene	0.15	Not Detected	0.69	Not Detected
1,1,2-Trichloroethane	0.15	Not Detected	0.83	Not Detected
Tetrachloroethene	0.15	14	1.0	93
Dibromochloromethane	0.15	Not Detected	1.3	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SGP-5

Lab ID#: 0909297-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s092416**	**Date of Collection:**	**9/14/09 11:30:00 AM**
Dil. Factor:	**1.52**	**Date of Analysis:**	**9/24/09 07:44 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	0.15	Not Detected	1.2	Not Detected
Chlorobenzene	0.15	0.064 J	0.70	0.29 J
Ethyl Benzene	0.15	0.16	0.66	0.71
m,p-Xylene	0.15	0.46	0.66	2.0
o-Xylene	0.15	0.15	0.66	0.67
Styrene	0.15	0.086 J	0.65	0.36 J
Bromoform	0.15	Not Detected	1.6	Not Detected
1,1,2,2-Tetrachloroethane	0.15	Not Detected	1.0	Not Detected
4-Ethyltoluene	0.15	0.25	0.75	1.2
1,3,5-Trimethylbenzene	0.15	0.077 J	0.75	0.38 J
1,2,4-Trimethylbenzene	0.15	0.26	0.75	1.3
1,3-Dichlorobenzene	0.15	2.3	0.91	14
1,4-Dichlorobenzene	0.15	0.056 J	0.91	0.33 J
1,2-Dichlorobenzene	0.15	Not Detected	0.91	Not Detected
1,2,4-Trichlorobenzene	0.76	Not Detected U J	5.6	Not Detected U J
Hexachlorobutadiene	0.76	Not Detected	8.1	Not Detected
tert-Butyl alcohol	0.76	8.1	2.3	24
Vinyl Bromide	0.76	Not Detected	3.3	Not Detected
2-Chlorotoluene	0.76	Not Detected	3.9	Not Detected
3-Chloropropene	0.76	Not Detected	2.4	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Methyl Methacrylate	80-62-6	NA	Not Detected

J = Estimated value due to bias in the CCV.
J = Estimated value.
UJ = Non-detected compound associated with low bias in the CCV
Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	109	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SGP-4

Lab ID#: 0909297-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	s092418	Date of Collection:	9/14/09 11:31:00 AM
Dil. Factor:	1.68	Date of Analysis:	9/24/09 09:46 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.17	0.16 J	0.83	0.81 J
Freon 114	0.17	Not Detected	1.2	Not Detected
Chloromethane	0.17	2.4 J	0.35	5.0 J
Vinyl Chloride	0.17	0.072 J	0.43	0.18 J
1,3-Butadiene	0.17	0.14 J	0.37	0.30 J
Bromomethane	0.17	0.094 J	0.65	0.36 J
Chloroethane	0.17	0.13 J	0.44	0.35 J
Freon 11	0.17	0.36	0.94	2.0
Freon 113	0.17	0.10 J	1.3	0.80 J
1,1-Dichloroethene	0.17	0.10 J	0.67	0.40 J
Acetone	0.84	58	2.0	140
Carbon Disulfide	0.84	7.6	2.6	24
Methylene Chloride	0.34	0.13 J	1.2	0.44 J
Methyl tert-butyl ether	0.17	0.042 J	0.60	0.15 J
trans-1,2-Dichloroethene	0.17	0.12 J	0.67	0.47 J
Hexane	0.17	0.22	0.59	0.78
1,1-Dichloroethane	0.17	Not Detected	0.68	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.17	3.3	0.50	9.8
cis-1,2-Dichloroethene	0.17	0.41	0.67	1.6
Tetrahydrofuran	0.84	0.60 J	2.5	1.8 J
Chloroform	0.17	0.37	0.82	1.8
1,1,1-Trichloroethane	0.17	0.81	0.92	4.4
Cyclohexane	0.17	0.087 J	0.58	0.30 J
Carbon Tetrachloride	0.17	0.050 J	1.0	0.31 J
2,2,4-Trimethylpentane	0.84	0.28 J	3.9	1.3 J
Benzene	0.17	0.95	0.54	3.0
1,2-Dichloroethane	0.17	0.048 J	0.68	0.20 J
Heptane	0.17	0.25	0.69	1.0
Trichloroethene	0.17	30	0.90	160
1,2-Dichloropropane	0.17	Not Detected	0.78	Not Detected
1,4-Dioxane	0.17	0.14 J	0.60	0.52 J
Bromodichloromethane	0.17	Not Detected	1.1	Not Detected
cis-1,3-Dichloropropene	0.17	Not Detected	0.76	Not Detected
4-Methyl-2-pentanone	0.17	2.6	0.69	10
Toluene	0.17	3.5	0.63	13
trans-1,3-Dichloropropene	0.17	Not Detected	0.76	Not Detected
1,1,2-Trichloroethane	0.17	Not Detected	0.92	Not Detected
Tetrachloroethene	0.17	42	1.1	280
Dibromochloromethane	0.17	Not Detected	1.4	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SGP-4

Lab ID#: 0909297-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s092418**	**Date of Collection:**	**9/14/09 11:31:00 AM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**9/24/09 09:46 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	0.17	Not Detected	1.3	Not Detected
Chlorobenzene	0.17	0.050 J	0.77	0.23 J
Ethyl Benzene	0.17	0.16 J	0.73	0.68 J
m,p-Xylene	0.17	0.42	0.73	1.8
o-Xylene	0.17	0.16 J	0.73	0.69 J
Styrene	0.17	0.086 J	0.72	0.36 J
Bromoform	0.17	Not Detected	1.7	Not Detected
1,1,2,2-Tetrachloroethane	0.17	Not Detected	1.2	Not Detected
4-Ethyltoluene	0.17	0.24	0.82	1.2
1,3,5-Trimethylbenzene	0.17	0.066 J	0.82	0.33 J
1,2,4-Trimethylbenzene	0.17	0.24	0.82	1.2
1,3-Dichlorobenzene	0.17	1.9	1.0	12
1,4-Dichlorobenzene	0.17	0.067 J	1.0	0.40 J
1,2-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.84	Not Detected U J	6.2	Not Detected U J
Hexachlorobutadiene	0.84	Not Detected	9.0	Not Detected
tert-Butyl alcohol	0.84	8.4	2.5	26
Vinyl Bromide	0.84	Not Detected	3.7	Not Detected
2-Chlorotoluene	0.84	Not Detected	4.3	Not Detected
3-Chloropropene	0.84	Not Detected	2.6	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Methyl Methacrylate	80-62-6	NA	Not Detected

J = Estimated value.
J = Estimated value due to bias in the CCV.
UJ = Non-detected compound associated with low bias in the CCV
Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	117	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SGP-3

Lab ID#: 0909297-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s092419**	**Date of Collection:**	**9/14/09 11:32:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**9/24/09 10:20 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.17	0.43	0.84	2.2
Freon 114	0.17	Not Detected	1.2	Not Detected
Chloromethane	0.17	1.8 J	0.35	3.7 J
Vinyl Chloride	0.17	0.056 J	0.44	0.14 J
1,3-Butadiene	0.17	Not Detected	0.38	Not Detected
Bromomethane	0.17	0.093 J	0.66	0.36 J
Chloroethane	0.17	Not Detected	0.45	Not Detected
Freon 11	0.17	0.32	0.96	1.8
Freon 113	0.17	0.082 J	1.3	0.63 J
1,1-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	58	2.0	140
Carbon Disulfide	0.86	15	2.7	47
Methylene Chloride	0.34	0.16 J	1.2	0.57 J
Methyl tert-butyl ether	0.17	Not Detected	0.62	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Hexane	0.17	1.2	0.60	4.1
1,1-Dichloroethane	0.17	Not Detected	0.69	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.17	4.5	0.50	13
cis-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Tetrahydrofuran	0.86	0.56 J	2.5	1.6 J
Chloroform	0.17	0.074 J	0.83	0.36 J
1,1,1-Trichloroethane	0.17	Not Detected	0.93	Not Detected
Cyclohexane	0.17	1.1	0.59	3.7
Carbon Tetrachloride	0.17	0.073 J	1.1	0.46 J
2,2,4-Trimethylpentane	0.86	0.43 J	4.0	2.0 J
Benzene	0.17	1.0	0.55	3.2
1,2-Dichloroethane	0.17	Not Detected	0.69	Not Detected
Heptane	0.17	0.32	0.70	1.3
Trichloroethene	0.17	0.047 J	0.92	0.25 J
1,2-Dichloropropane	0.17	Not Detected	0.79	Not Detected
1,4-Dioxane	0.17	Not Detected	0.62	Not Detected
Bromodichloromethane	0.17	Not Detected	1.1	Not Detected
cis-1,3-Dichloropropene	0.17	Not Detected	0.78	Not Detected
4-Methyl-2-pentanone	0.17	2.3	0.70	9.5
Toluene	0.17	2.0	0.64	7.4
trans-1,3-Dichloropropene	0.17	Not Detected	0.78	Not Detected
1,1,2-Trichloroethane	0.17	Not Detected	0.93	Not Detected
Tetrachloroethene	0.17	0.25	1.2	1.7
Dibromochloromethane	0.17	Not Detected	1.4	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SGP-3

Lab ID#: 0909297-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s092419**	**Date of Collection:**	**9/14/09 11:32:00 AM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**9/24/09 10:20 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	0.17	Not Detected	1.3	Not Detected
Chlorobenzene	0.17	0.059 J	0.79	0.27 J
Ethyl Benzene	0.17	0.15 J	0.74	0.64 J
m,p-Xylene	0.17	0.38	0.74	1.7
o-Xylene	0.17	0.15 J	0.74	0.66 J
Styrene	0.17	0.095 J	0.73	0.41 J
Bromoform	0.17	Not Detected	1.8	Not Detected
1,1,2,2-Tetrachloroethane	0.17	Not Detected	1.2	Not Detected
4-Ethyltoluene	0.17	0.22	0.84	1.1
1,3,5-Trimethylbenzene	0.17	0.073 J	0.84	0.36 J
1,2,4-Trimethylbenzene	0.17	0.26	0.84	1.3
1,3-Dichlorobenzene	0.17	2.1	1.0	13
1,4-Dichlorobenzene	0.17	0.070 J	1.0	0.42 J
1,2-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.86	Not Detected U J	6.3	Not Detected U J
Hexachlorobutadiene	0.86	Not Detected	9.1	Not Detected
tert-Butyl alcohol	0.86	11	2.6	33
Vinyl Bromide	0.86	Not Detected	3.7	Not Detected
2-Chlorotoluene	0.86	Not Detected	4.4	Not Detected
3-Chloropropene	0.86	Not Detected	2.7	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Methyl Methacrylate	80-62-6	NA	Not Detected

J = Estimated value due to bias in the CCV.
J = Estimated value.
UJ = Non-detected compound associated with low bias in the CCV
Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	106	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SGP-2

Lab ID#: 0909297-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s092420**	**Date of Collection:**	**9/14/09 11:32:00 AM**
Dil. Factor:	**1.55**	**Date of Analysis:**	**9/24/09 10:57 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.16	0.33	0.77	1.6
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.16	0.50 J	0.32	1.0 J
Vinyl Chloride	0.16	Not Detected	0.40	Not Detected
1,3-Butadiene	0.16	Not Detected	0.34	Not Detected
Bromomethane	0.16	0.11 J	0.60	0.43 J
Chloroethane	0.16	Not Detected	0.41	Not Detected
Freon 11	0.16	0.33	0.87	1.9
Freon 113	0.16	0.083 J	1.2	0.63 J
1,1-Dichloroethene	0.16	Not Detected	0.61	Not Detected
Acetone	0.78	33	1.8	79
Carbon Disulfide	0.78	2.2	2.4	7.0
Methylene Chloride	0.31	0.11 J	1.1	0.40 J
Methyl tert-butyl ether	0.16	0.043 J	0.56	0.15 J
trans-1,2-Dichloroethene	0.16	0.91	0.61	3.6
Hexane	0.16	0.75	0.55	2.6
1,1-Dichloroethane	0.16	0.13 J	0.63	0.54 J
2-Butanone (Methyl Ethyl Ketone)	0.16	3.5	0.46	10
cis-1,2-Dichloroethene	0.16	5.4	0.61	21
Tetrahydrofuran	0.78	0.39 J	2.3	1.2 J
Chloroform	0.16	0.43	0.76	2.1
1,1,1-Trichloroethane	0.16	4.5	0.84	25
Cyclohexane	0.16	1.0	0.53	3.5
Carbon Tetrachloride	0.16	0.057 J	0.98	0.36 J
2,2,4-Trimethylpentane	0.78	0.24 J	3.6	1.1 J
Benzene	0.16	0.69	0.50	2.2
1,2-Dichloroethane	0.16	0.042 J	0.63	0.17 J
Heptane	0.16	0.34	0.64	1.4
Trichloroethene	0.16	41	0.83	220
1,2-Dichloropropane	0.16	Not Detected	0.72	Not Detected
1,4-Dioxane	0.16	Not Detected	0.56	Not Detected
Bromodichloromethane	0.16	Not Detected	1.0	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.70	Not Detected
4-Methyl-2-pentanone	0.16	2.3	0.63	9.3
Toluene	0.16	2.6	0.58	9.8
trans-1,3-Dichloropropene	0.16	Not Detected	0.70	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.84	Not Detected
Tetrachloroethene	0.16	33	1.0	220
Dibromochloromethane	0.16	Not Detected	1.3	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SGP-2

Lab ID#: 0909297-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s092420**	**Date of Collection:**	**9/14/09 11:32:00 AM**
Dil. Factor:	**1.55**	**Date of Analysis:**	**9/24/09 10:57 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.2	Not Detected
Chlorobenzene	0.16	0.040 J	0.71	0.18 J
Ethyl Benzene	0.16	0.15 J	0.67	0.67 J
m,p-Xylene	0.16	0.44	0.67	1.9
o-Xylene	0.16	0.15 J	0.67	0.65 J
Styrene	0.16	0.083 J	0.66	0.35 J
Bromoform	0.16	Not Detected	1.6	Not Detected
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
4-Ethyltoluene	0.16	0.24	0.76	1.2
1,3,5-Trimethylbenzene	0.16	0.066 J	0.76	0.33 J
1,2,4-Trimethylbenzene	0.16	0.26	0.76	1.2
1,3-Dichlorobenzene	0.16	1.9	0.93	11
1,4-Dichlorobenzene	0.16	0.079 J	0.93	0.47 J
1,2-Dichlorobenzene	0.16	Not Detected	0.93	Not Detected
1,2,4-Trichlorobenzene	0.78	Not Detected U J	5.8	Not Detected U J
Hexachlorobutadiene	0.78	Not Detected	8.3	Not Detected
tert-Butyl alcohol	0.78	6.7	2.3	20
Vinyl Bromide	0.78	Not Detected	3.4	Not Detected
2-Chlorotoluene	0.78	Not Detected	4.0	Not Detected
3-Chloropropene	0.78	Not Detected	2.4	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Methyl Methacrylate	80-62-6	NA	Not Detected

J = Estimated value due to bias in the CCV.
J = Estimated value.
UJ = Non-detected compound associated with low bias in the CCV
Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SGP-1

Lab ID#: 0909297-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	s092421	Date of Collection:	9/14/09 11:33:00 AM
Dil. Factor:	29.8	Date of Analysis:	9/25/09 12:00 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	3.0	Not Detected	15	Not Detected
Freon 114	3.0	Not Detected	21	Not Detected
Chloromethane	3.0	Not Detected	6.2	Not Detected
Vinyl Chloride	3.0	120	7.6	300
1,3-Butadiene	3.0	Not Detected	6.6	Not Detected
Bromomethane	3.0	Not Detected	12	Not Detected
Chloroethane	3.0	11	7.9	30
Freon 11	3.0	Not Detected	17	Not Detected
Freon 113	3.0	Not Detected	23	Not Detected
1,1-Dichloroethene	3.0	Not Detected	12	Not Detected
Acetone	15	42	35	100
Carbon Disulfide	15	1.2 J	46	3.9 J
Methylene Chloride	6.0	Not Detected	21	Not Detected
Methyl tert-butyl ether	3.0	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	3.0	50	12	200
Hexane	3.0	1.0 J	10	3.5 J
1,1-Dichloroethane	3.0	6.9	12	28
2-Butanone (Methyl Ethyl Ketone)	3.0	Not Detected	8.8	Not Detected
cis-1,2-Dichloroethene	3.0	830	12	3300
Tetrahydrofuran	15	Not Detected	44	Not Detected
Chloroform	3.0	Not Detected	14	Not Detected
1,1,1-Trichloroethane	3.0	Not Detected	16	Not Detected
Cyclohexane	3.0	1.3 J	10	4.6 J
Carbon Tetrachloride	3.0	Not Detected	19	Not Detected
2,2,4-Trimethylpentane	15	Not Detected	70	Not Detected
Benzene	3.0	1.6 J	9.5	5.3 J
1,2-Dichloroethane	3.0	Not Detected	12	Not Detected
Heptane	3.0	Not Detected	12	Not Detected
Trichloroethene	3.0	32	16	170
1,2-Dichloropropane	3.0	Not Detected	14	Not Detected
1,4-Dioxane	3.0	Not Detected	11	Not Detected
Bromodichloromethane	3.0	Not Detected	20	Not Detected
cis-1,3-Dichloropropene	3.0	Not Detected	14	Not Detected
4-Methyl-2-pentanone	3.0	1.3 J	12	5.5 J
Toluene	3.0	2.1 J	11	7.8 J
trans-1,3-Dichloropropene	3.0	Not Detected	14	Not Detected
1,1,2-Trichloroethane	3.0	Not Detected	16	Not Detected
Tetrachloroethene	3.0	3.2	20	22
Dibromochloromethane	3.0	Not Detected	25	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SGP-1

Lab ID#: 0909297-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s092421**	**Date of Collection:**	**9/14/09 11:33:00 AM**
Dil. Factor:	**29.8**	**Date of Analysis:**	**9/25/09 12:00 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	3.0	Not Detected	23	Not Detected
Chlorobenzene	3.0	Not Detected	14	Not Detected
Ethyl Benzene	3.0	Not Detected	13	Not Detected
m,p-Xylene	3.0	Not Detected	13	Not Detected
o-Xylene	3.0	Not Detected	13	Not Detected
Styrene	3.0	Not Detected	13	Not Detected
Bromoform	3.0	Not Detected	31	Not Detected
1,1,2,2-Tetrachloroethane	3.0	Not Detected	20	Not Detected
4-Ethyltoluene	3.0	Not Detected	15	Not Detected
1,3,5-Trimethylbenzene	3.0	Not Detected	15	Not Detected
1,2,4-Trimethylbenzene	3.0	Not Detected	15	Not Detected
1,3-Dichlorobenzene	3.0	1.4 J	18	8.4 J
1,4-Dichlorobenzene	3.0	Not Detected	18	Not Detected
1,2-Dichlorobenzene	3.0	Not Detected	18	Not Detected
1,2,4-Trichlorobenzene	15	Not Detected U J	110	Not Detected U J
Hexachlorobutadiene	15	Not Detected	160	Not Detected
tert-Butyl alcohol	15	4.0 J	45	12 J
Vinyl Bromide	15	Not Detected	65	Not Detected
2-Chlorotoluene	15	Not Detected	77	Not Detected
3-Chloropropene	15	Not Detected	47	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Methyl Methacrylate	80-62-6	NA	Not Detected

J = Estimated value.
UJ = Non-detected compound associated with low bias in the CCV
Container Type: 6 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	113	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0909297-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	s092410a	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 9/24/09 03:25 PM	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.10	Not Detected	0.49	Not Detected
Freon 114	0.10	Not Detected	0.70	Not Detected
Chloromethane	0.10	Not Detected	0.21	Not Detected
Vinyl Chloride	0.10	Not Detected	0.26	Not Detected
1,3-Butadiene	0.10	Not Detected	0.22	Not Detected
Bromomethane	0.10	Not Detected	0.39	Not Detected
Chloroethane	0.10	Not Detected	0.26	Not Detected
Freon 11	0.10	Not Detected	0.56	Not Detected
Freon 113	0.10	Not Detected	0.77	Not Detected
1,1-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Acetone	0.50	0.17 J	1.2	0.39 J
Carbon Disulfide	0.50	0.072 J	1.6	0.22 J
Methylene Chloride	0.20	Not Detected	0.69	Not Detected
Methyl tert-butyl ether	0.10	Not Detected	0.36	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Hexane	0.10	Not Detected	0.35	Not Detected
1,1-Dichloroethane	0.10	Not Detected	0.40	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.10	Not Detected	0.29	Not Detected
cis-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.10	Not Detected	0.49	Not Detected
1,1,1-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Cyclohexane	0.10	Not Detected	0.34	Not Detected
Carbon Tetrachloride	0.10	Not Detected	0.63	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.10	Not Detected	0.32	Not Detected
1,2-Dichloroethane	0.10	Not Detected	0.40	Not Detected
Heptane	0.10	Not Detected	0.41	Not Detected
Trichloroethene	0.10	0.029 J	0.54	0.15 J
1,2-Dichloropropane	0.10	Not Detected	0.46	Not Detected
1,4-Dioxane	0.10	Not Detected	0.36	Not Detected
Bromodichloromethane	0.10	Not Detected	0.67	Not Detected
cis-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
4-Methyl-2-pentanone	0.10	Not Detected	0.41	Not Detected
Toluene	0.10	Not Detected	0.38	Not Detected
trans-1,3-Dichloropropene	0.10	Not Detected	0.45	Not Detected
1,1,2-Trichloroethane	0.10	Not Detected	0.54	Not Detected
Tetrachloroethene	0.10	Not Detected	0.68	Not Detected
Dibromochloromethane	0.10	Not Detected	0.85	Not Detected

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0909297-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s092410a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/09 03:25 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,2-Dibromoethane (EDB)	0.10	Not Detected	0.77	Not Detected
Chlorobenzene	0.10	Not Detected	0.46	Not Detected
Ethyl Benzene	0.10	Not Detected	0.43	Not Detected
m,p-Xylene	0.10	Not Detected	0.43	Not Detected
o-Xylene	0.10	Not Detected	0.43	Not Detected
Styrene	0.10	Not Detected	0.42	Not Detected
Bromoform	0.10	Not Detected	1.0	Not Detected
1,1,2,2-Tetrachloroethane	0.10	Not Detected	0.69	Not Detected
4-Ethyltoluene	0.10	Not Detected	0.49	Not Detected
1,3,5-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,2,4-Trimethylbenzene	0.10	Not Detected	0.49	Not Detected
1,3-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,4-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2-Dichlorobenzene	0.10	Not Detected	0.60	Not Detected
1,2,4-Trichlorobenzene	0.50	Not Detected U J	3.7	Not Detected U J
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected
tert-Butyl alcohol	0.50	Not Detected	1.5	Not Detected
Vinyl Bromide	0.50	Not Detected	2.2	Not Detected
2-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
3-Chloropropene	0.50	Not Detected	1.6	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Methyl Methacrylate	80-62-6	NA	Not Detected

J = Estimated value.
UJ = Non-detected compound associated with low bias in the CCV
Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	116	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	98	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0909297-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s092402**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/09 10:19 AM**	

Compound	%Recovery
Freon 12	123
Freon 114	113
Chloromethane	138 Q
Vinyl Chloride	120
1,3-Butadiene	112
Bromomethane	90
Chloroethane	116
Freon 11	123
Freon 113	117
1,1-Dichloroethene	113
Acetone	120
Carbon Disulfide	116
Methylene Chloride	106
Methyl tert-butyl ether	106
trans-1,2-Dichloroethene	112
Hexane	113
1,1-Dichloroethane	112
2-Butanone (Methyl Ethyl Ketone)	90
cis-1,2-Dichloroethene	103
Tetrahydrofuran	106
Chloroform	106
1,1,1-Trichloroethane	110
Cyclohexane	103
Carbon Tetrachloride	124
2,2,4-Trimethylpentane	108
Benzene	106
1,2-Dichloroethane	108
Heptane	110
Trichloroethene	101
1,2-Dichloropropane	111
1,4-Dioxane	94
Bromodichloromethane	107
cis-1,3-Dichloropropene	105
4-Methyl-2-pentanone	103
Toluene	106
trans-1,3-Dichloropropene	113
1,1,2-Trichloroethane	110
Tetrachloroethene	108
Dibromochloromethane	108

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0909297-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s092402**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/09 10:19 AM**	

Compound	%Recovery
1,2-Dibromoethane (EDB)	107
Chlorobenzene	107
Ethyl Benzene	105
m,p-Xylene	105
o-Xylene	104
Styrene	103
Bromoform	106
1,1,2,2-Tetrachloroethane	102
4-Ethyltoluene	99
1,3,5-Trimethylbenzene	98
1,2,4-Trimethylbenzene	96
1,3-Dichlorobenzene	94
1,4-Dichlorobenzene	96
1,2-Dichlorobenzene	89
1,2,4-Trichlorobenzene	65 Q
Hexachlorobutadiene	73
tert-Butyl alcohol	84
Vinyl Bromide	139 Q
2-Chlorotoluene	96
3-Chloropropene	108

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	114	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	92	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0909297-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s092403**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/09 10:52 AM**	

Compound	%Recovery
Freon 12	123
Freon 114	116
Chloromethane	135 Q
Vinyl Chloride	124
1,3-Butadiene	117
Bromomethane	108
Chloroethane	125
Freon 11	125
Freon 113	137 Q
1,1-Dichloroethene	133 Q
Acetone	111
Carbon Disulfide	126
Methylene Chloride	124
Methyl tert-butyl ether	116
trans-1,2-Dichloroethene	121
Hexane	124
1,1-Dichloroethane	125
2-Butanone (Methyl Ethyl Ketone)	102
cis-1,2-Dichloroethene	114
Tetrahydrofuran	116
Chloroform	115
1,1,1-Trichloroethane	116
Cyclohexane	113
Carbon Tetrachloride	129
2,2,4-Trimethylpentane	119
Benzene	110
1,2-Dichloroethane	114
Heptane	115
Trichloroethene	107
1,2-Dichloropropane	116
1,4-Dioxane	102
Bromodichloromethane	113
cis-1,3-Dichloropropene	113
4-Methyl-2-pentanone	112
Toluene	117
trans-1,3-Dichloropropene	124
1,1,2-Trichloroethane	117
Tetrachloroethene	112
Dibromochloromethane	111

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0909297-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**s092403**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 9/24/09 10:52 AM**	

Compound	%Recovery
1,2-Dibromoethane (EDB)	106
Chlorobenzene	108
Ethyl Benzene	107
m,p-Xylene	107
o-Xylene	108
Styrene	108
Bromoform	109
1,1,2,2-Tetrachloroethane	105
4-Ethyltoluene	104
1,3,5-Trimethylbenzene	102
1,2,4-Trimethylbenzene	100
1,3-Dichlorobenzene	98
1,4-Dichlorobenzene	99
1,2-Dichlorobenzene	91
1,2,4-Trichlorobenzene	78
Hexachlorobutadiene	80
tert-Butyl alcohol	85
Vinyl Bromide	Not Spiked
2-Chlorotoluene	Not Spiked
3-Chloropropene	117

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	94	70-130

ORDER # 67846

SGS Environmental Services Inc.
CHAIN OF CUSTODY RECORD

0909297

Locations Nationwide
- Alaska
- New Jersey
- North Carolina
- West Virginia
- Maryland
- New York
- Ohio

www.us.sgs.com

(1)
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J. Fengren P.O. #:

SGS Reference #:

page 1 of 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX/ MATRIX CODE	# CONTAINERS	SAMPLE TYPE C= COMP G= GRAB MI= Multi Incremental Samples	Preservatives Used	Analysis Required (3) TO-15	REMARKS/ LOC ID
01A	AMBIENT	9/14/09	1109	AIR	1	G		X	
02A	SGP-6	9/14/09	1130	AIR	1	G		X	
03A	SGP-5	9/14/09	1130	AIR	1	G		X	
04A	SGP-4	9/14/09	1131	AIR	1	G		X	
05A	SGP-3	9/14/09	1132	AIR	1	G		X	
06A	SGP-2	9/14/09	1132	AIR	1	G		X	
07A	SGP-1	9/14/09	1133	AIR	1	G		X	

FedEx
CUSTODY SEAL INTACT? Y N NONE TEMP N/A

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
Jessica Fengren	9/14/09	1334	
Relinquished By: (2)	Date	Time	Received By:
	9/15/09	0853	
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received For Laboratory By:

(4)

DOD Project? YES NO
Cooler ID _____

Special Deliverable Requirements:

Requested Turnaround Time and-or Special Instructions:

Samples Received Cold? YES NO
Cooler TB
Temperature °C: _____ . _____

Chain of Custody Seal: (Circle)
INTACT BROKEN ABSENT

☐ 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
☐ 550 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab
Pink - Retained by Client