# SITE 1

# SOIL VAPOR INVESTIGATION

# NWIRP BETHPAGE

Bethpage, New York

**Naval Facilities Engineering Command**
**Mid-Atlantic**

**Contract No. N62472-03-D-0057**
**Contract Task Order 002**

APRIL 2008

# SITE 1
# SOIL VAPOR INVESTIGATION

**NAVAL FACILITIES ENGINEERING COMMAND**
**MID-ATLANTIC**

**COMPREHENSIVE LONG-TERM**
**ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT**

**Submitted to:**
**Naval Facilities Engineering Command**
**Mid-Atlantic**
**9742 Maryland Avenue**
**Norfolk, Virginia 23511-3095**

**Prepared and Submitted by:**
**Tetra Tech NUS, Inc.**
**234 Mall Boulevard, Suite 260**
**King of Prussia, Pennsylvania 19406-1433**

**Contract No. N62472-03-D-0057**
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**April 2008**

**PREPARED UNDER THE DIRECTION OF:**

**DAVE BRAYACK**
**PROJECT MANAGER**
**TETRA TECH NUS, INC.**
**NORFOLK, VIRGINIA**

**APPROVED FOR SUBMISSION BY:**

**JOHN J. TREPANOWSKI, P.E.**
**PROGRAM MANAGER**
**TETRA TECH NUS, INC.**
**KING OF PRUSSIA, PENNSYLVANIA**

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**NUMBER**

## ACRONYMS

| | |
|---|---|
| 1, 1, 1-TCA | 1, 1, 1-trichloroethene |
| 1, 1-DCA | 1, 1-dichloroethane |
| 1, 1-DCE | 1, 1-dichloroethene |
| AS/SVE | air sparging/soil vapor extraction |
| bgs | below ground surface |
| CLEAN | Comprehensive Long-Term Environmental Action Navy |
| COC | chain of custody |
| CTO | contract task order |
| DPT | direct-push technology |
| ELAP | Environmental Laboratory Approval Program |
| MTBE | methyl tert butyl ether |
| NWIRP | Naval Weapons Industrial Reserve Plant |
| NYSDOH | New York State Department of Health |
| PCE | tetrachloroethene |
| RBC | Risk Based Concentration |
| SVPM | Soil Vapor Pressure Monitor |
| TCE | trichloroethene |
| VOC | volatile organic compound |
| USEPA | United States Environmental Protection Agency |
| $\mu g/m^3$ | micrograms per cubic meter of air |

# 1.0 INTRODUCTION

This Data Report has been prepared for the Navy under Contract Task Order (CTO) 002 by the Naval Facilities Engineering Command Mid-Atlantic under the Comprehensive Long-Term Environmental Action Navy (CLEAN) contract number N62472-03-D-0057. This Data Report presents soil vapor investigation activities that took place from January 21, to January 30, 2008 at the Naval Weapons Industrial Reserve Plant (NWIRP) Bethpage, Long Island, New York (Figures 1 and 2). The monitoring activities were conducted in accordance with the Tetra Tech letter work plan (TtNUS, 2007) and New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH, 2006).

Site 1 was identified as having been impacted by historic releases of chlorinated solvents and was remediated via an air sparging/soil vapor extraction (AS/SVE) system between 1998 and 2001. Remedial goals were based on protection of groundwater and minimization of solvent emissions during a planned subsequent soil removal action. Remediation goals did not consider possible soil vapor migration to an adjacent residential neighborhood. Natural attenuation of solvents continues. Site photos are presented in Appendix A.

Soils in general at Site 1 consist mainly of unconsolidated sediments that overlie crystalline bedrock. The unconsolidated sediments consist of four distinct geologic units that in descending order are the Upper Glacial Formation, the Magothy Formation, the Raritan Clay, and the Lloyd Formation.

The Upper Glacial Formation, which is about 30 to 45 feet thick, consists chiefly of coarse sands and gravels. The upper Magothy Formation consists chiefly of coarse sands to a depth of about 100 feet, below which finer sands, silts, and clay predominate. The clay is fairly common but laterally discontinuous; no individual clay horizon of regional extent underlies the NWIRP.

The Raritan Clay underlies the Magothy Formation at a depth of about 700 feet beneath the NWIRP and is reportedly 100 to 150 feet thick. The underlying Lloyd Sand Formation is reportedly about 300 feet thick.

## 2.0 FIELD AND SAMPLING ACTIVITIES

From January 21 to January 30, 2008, 6 soil borings and 18 temporary soil gas points were installed, 4 existing soil vapor pressure monitors were converted to soil gas sampling wells, and 22 soil gas samples were collected, (Figure 3). Soil borings and soil gas points were installed using direct push technology (DPT).

Four temporary soil gas borings were installed along the fence running from the southeast corner to the northeast corner of Site 1. This fence line separates the Navy property from a residential neighborhood (BPS1-SB1001 to BP-SB1004) to the east. Site 1 is a known area with historical solvent contamination. In addition, two soil gas borings were installed northeast of Site 1, also along the edge of the Navy property and the residential neighborhood (BPS1-SG1005 and BPS1-SG1006). These borings were installed to continue the line of investigation to the eastern edge of Navy property.

For each location, continuous soil macro core samples were first collected to depths of 40 to 49 feet bgs and the lithology was characterized in the field. The Work Plan identified a boring depth of 50 feet, but refusal was encountered before this depth for each boring. Based on groundwater monitoring wells located at the site, groundwater is approximately 51 feet below ground surface. Groundwater was not encountered in any of the borings.

Soil boring log sheets are presented in Appendix B. Soils from the surface to the bottom of the borings were generally characterized as fine to coarse sands and gravels, with some silt. Thin lenses of sandy silt or clayey silt were encountered during the borings. These lenses were generally 2 to 4 feet thick. One lens was encountered a depth of approximately 10 feet in all of the borings. A sandy silt unit was also observed near the bottom of one boring (BPS1-SB1004). Soil gas points were installed at depths to avoid these lenses.

Soil gas points were installed in a separate borings, approximately 2 to 3 feet away from the soil boring and other soil gas points. The soil gas points were installed using DPT to depths of 5.5 to 8 ft, 20 to 22 ft and 40 to 46 feet. Individual samples and depths are presented in Table 1.

During sampling, several steps were taken to ensure the representativeness of the soil gas sample. For each soil gas point, the sampling point was pushed to the target sample depth and the sample screen below the rods was exposed. A tube with a threaded and o-ring seal connection was lowered from the surface and screwed into a paired sample screen port. The ground surface was covered with plastic and a 5-gallon container was placed over the down-hole

equipment. Penetrations through the bucket (rods and tubing) were sealed with bentonite and the container was filled with helium.

Sample collection consisted of first purging the well screen and sample tubing with a positive displacement pump. Purge and sample rates varied from 0.12 to 0.25 liters per minute. During purging, helium and photo ionization detector (PID) readings of the off gas were obtained and recorded. The helium readings were used to determine potential leakage of air from the surface to the sample point. PID readings were collected to support data evaluation. During the purge process, helium readings in excess of criteria were not observed (Appendix C). PID readings ranged from 0 to 9 parts per million. The cold weather affected the battery on the PID meter, and PID readings were not obtained on all samples.

Following purging, soil gas samples for laboratory testing were collected using a summa canister. Sample collection times ranged from approximately 40 to 60 minutes. After the soil gas samples were collected, each boring was backfilled with granular bentonite. The temporary wells were not surveyed; rather field measurements were taken to define the soil gas locations (Appendix C). Soil cuttings were containerized in 55 gallon drums for characterization and disposal.

Ambient air samples were collected simultaneously with each soil gas sample to evaluate potential chemicals in the ambient area. The Summa sample containers were positioned at a location approximately 30 to 50 feet upwind and at a height to 1 to 2 feet above grade. The ambient air sample was obtained over a four- to eight-hour period that corresponded to the soil vapor collection activities. The canister was moved during sampling activities to remain upwind of the sampled boring (Appendix C).

The soil gas samples were analyzed according to United States Environmental Protection Agency (USEPA) Method TO-15 volatile organic compounds (VOCs) by Air Toxics Ltd. Folsom, California, an Environmental Laboratory Approval Program (ELAP) certified laboratory (USEPA, 1999).

## 3.0 SOIL GAS ANALYTICAL RESULTS

From January 21 to January 30, 2008, 18 temporary soil gas samples and 4 converted soil vapor pressure monitoring points were sampled via Summa canisters and analyzed for TO-15 VOCs. Chain of custody sheets and the data analytical reports can be found in Appendices D and E, respectively.

Analytical results are presented in Table 2 and Figure 4. For comparison, EPA Region 3 Risk-Based Concentration (RBC) criteria are presented. These criteria are not applicable to soil gas, but present baseline concentrations at which risk to human health may result under long term exposure. Detections less than these concentrations would not be expected to present any risk to human health.

NYSDOH uses indoor air values of 5 micrograms per cubic meter of air ($\mu g/m^3$) and 100 $\mu g/m^3$ for trichloroethene (TCE) and tetrachloroethene (PCE), respectively. NYSDOH has not published similar values for other constituents. As a result, the primary focus of this evaluation will be for TCE and PCE.

For the temporary soil gas samples, the highest TCE and PCE concentrations were detected in the shallow (7 to 8 feet) and intermediate-depth (20 feet) soil gas samples at locations BPS1-SG1001 and BPS1-SG1002. These points are in the south portion of the site. Maximum TCE and PCE concentrations were 180,000 and 1,700 $ug/m^3$, respectively. The highest 1,1,1-trichloroethane concentration (90,000 $ug/m^3$) was also detected in this area. Soil gas samples collected near the water table at these soil gas points were a factor of approximately 10 to 100 times lower than observed in the shallow and intermediate depth samples, suggesting that the residual soil gas contamination may be associated with the silt unit observed at approximately 10 feet below ground surface.

Two of the four converted soil vapor pressure monitors (SVPM11S-24 and SVPM11-49) are co-located with temporary soil gas points (BPS1-SG1001) and the soil gas results are similar. The other two converted soil vapor pressure monitors (SVPM12S-25 and SVPM12-50) are located further south at Site 1 and do not have associated soil gas points. Soil gas results from these southern converted soil vapor pressure monitors indicated a trend of higher soil gas concentrations at the water table than at the intermediate depth, which is reverse of what was observed else where at the site.

In the central and northern portion of Site 1, (BPS1-SG1003 and BPS1-SG1004), TCE and PCE were detected at maximum concentrations of 750 and 1,300 ug/$m^3$. While these concentrations are lower than detected in the southern sample points, these concentrations are significant when compared to NYSDOH criteria. In this area, the higher TCE concentrations are in the deepest samples, whereas the higher PCE concentrations were more evenly distributed over depth.

Northeast of Site 1 (BPS1-SG1005 and BPS1-SG1006), TCE and PCE were detected at maximum concentrations of 71 and 60 ug/$m^3$. The higher concentrations were detected near the water table.

In addition to TCE and PCE, 1,1-dichloroethene (1,1-DCE) (4,700 µg/$m^3$) and 1,1-dichloroethane (1,1-DCA) (1,700 µg/$m^3$) were detected in the borings in the southern portion of the site. The detection of these compounds corresponded to the higher TCE and PCE detections.

Freons, chloromethane, acetone, 2-butanone, benzene, and toluene were detected in all or most of the field blanks. Concentrations were generally less than EPA Region 3 RBCs. Benzene, toluene, ethyl benzene, xylenes, freon, and methyl tert-butyl ether were also detected in most of the soil gas samples at concentrations similar to or less than EPA Region 3 RBCs. Trans 1,2-dichloroethene was detected slightly above or comparable to the EPA Region 3 RBC criteria of 62 µg/$m^3$ from the soil borings located in the northern area.

EPA Region 3 RBC exceedances for cis-1,2-dichloroethene ranged from 79 µg/$m^3$ in BPS1-SG1004-46 to 860 µg/$m^3$ in SVPM11S-24. The highest exceedances of chloroform (53 µg/$m^3$) and carbon tetrachloride (130 µg/$m^3$) were located northeast of Site 1 in BPS1-SG1006-20 (Figure 4).

## 4.0 CONCLUSIONS

1. Soil gas samples collected along the eastern border of the site exceeded NYSDOH for indoor air criteria for TCE and PCE of 5 ug/$m^3$ and 100 u/$m^3$, respectively. Maximum TCE and PCE concentrations were 180,000 µg/$m^3$ and 5,300 µg/$m^3$, respectively.

2. Chemical concentrations in soil gas samples collected along the southern edge of Site 2 and the northeast corner of Site 1 (BPS1-1004, BPS1-1005, and BPS1-1006) were much lower than concentrations detected along the central and southeast corner of Site 1. Maximum TCE and PCE concentration were 820 µg/$m^3$ and 78 µg/$m^3$, respectively. These concentrations were detected at a depth of 46 feet below ground surface. Shallower samples contained lower concentrations of these chemicals.

3. The highest concentrations of TCE and PCE were generally detected at depths of 20 and 50 feet. However, shallow samples BPS1-SG1001-07 (7 feet bgs) and BPS1-SG1002-08 (8 feet) contained TCE (19,000 µg/$m^3$ and 3,300 µg/$m^3$) and PCE (170 µg/$m^3$ and 1,700 µg/$m^3$) at concentrations greater than NYSDOH criteria of 5 µg/$m^3$ and 100 µg/$m^3$ for indoor air, respectively.

4. Based on this data, potential migration of contaminated soil vapor to adjacent residents may be possible.

## REFERENCES

New York State Department of Health (NYSDOH), 2006. Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October.

Tetra Tech NUS, Inc. (TtNUS), 2007. Letter Work Plan-Site 1-Soil Gas Investigation. Naval weapons Industrial reserve Plant, Bethapge, New York.

United States Environmental Protection Agency (USEPA), 1999. Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air Second Edition Compendium Method TO-15 Determination Of Volatile Organic Compounds (VOCs) In Air Collected In Specially-Prepared Canisters And Analyzed By Gas Chromatography/ Mass Spectrometry (GC/MS). January.

United States Environmental Protection Agency (USEPA), 2007. Mid-Atlantic Risk Assessment Human Health Risk Assessment Risk-Based Concentration Table, updated October 2007, retrieved from the EPA website, http://www.epa.gov/reg3hwmd/risk/human/index.htm

**TABLE 1**
**SOIL GAS INVESTIGATION**
**FIELD ACTIVITIES**
**NWIRP BETHPAGE, NEW YORK**

| Boring Number | Drilling Method | Total Depth (feet)[1] | Depth (feet) | Soil Sample | Air Sample [2] |
|---|---|---|---|---|---|
| BPS1-SG1001 | DPT | 40 | 7 | no | YES |
| | | | 20 | no | |
| | | | 40 | no | |
| | | | 40 DPT | continuous | |
| BPS1-SG1002 | DPT | 45 | 8 | no | YES |
| | | | 20 | no | |
| | | | 45 | no | |
| | | | 45 DPT | continuous | |
| BPS1-SG1003 | DPT | 45 | 5.5 | no | YES |
| | | | 20 | no | |
| | | | 45 | no | |
| | | | 45 DPT | continuous | |
| BPS1-SG1004 | DPT | 46 | 5.5 | no | YES |
| | | | 22 | no | |
| | | | 46 | no | |
| | | | 46 DPT | continuous | |
| BPS1-SG1005 | DPT | 45 | 8 | no | YES |
| | | | 20 | no | |
| | | | 45 | no | |
| | | | 45 DPT | continuous | |
| BPS1-SG1006 | DPT | 45 | 7 | no | YES |
| | | | 20 | no | |
| | | | 45 | no | |
| | | | 45 DPT | continuous | |
| SVPM11S-24 | existing | 25 | 24 | no | YES |
| SVPM11-49 | existing | 50 | 49 | no | YES |
| SVPM12S-25 | existing | 27.1 | 25 | no | YES |
| SVPM12-50 | existing | 52.1 | 50 | no | YES |

1. Depth below ground surface
2. Work area summa canister (4 to 8 hours).

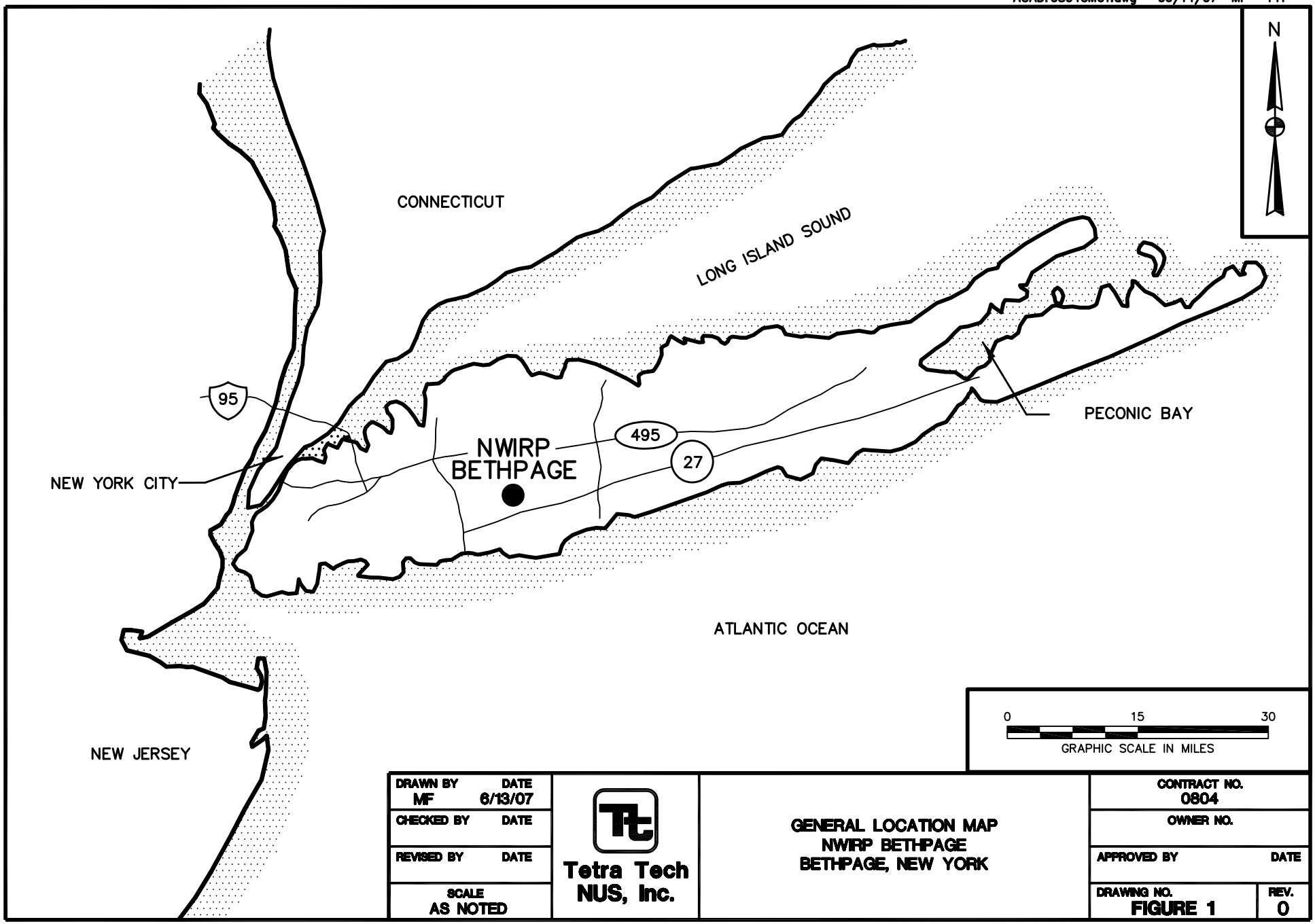
DPT = Direct push technology

**TABLE 2**
**SOIL GAS SAMPLING ANALYTICAL RESULTS**
**NWIRP BETHPAGE, NEW YORK**


| | Ambient air [1] | | BPS1-SG1001-07 | BPS1-SG1001-20 | BPS1-SG1001-40 | BPS1-SG1002-08 | BPS1-SG1002-08 DUP | BPS1-SG1002-20 | BPS1-SG1002-45 | BPS1-SG1003-05.5 | BPS1-SG1003-20 | BPS1-SG1003-45 | BPS1-SG1004-05.5 | BPS1-SG1004-22 | BPS1-SG1004-46 | BPS1-SG1005-08 | BPS1-SG1005-20 | BPS1-SG1005-45 | BPS1-SG1006-07 | BPS1-SG1006-20 | BPS1-SG1006-45 | SVPM11S-24 | SVPM11-49 | SVPM12S-25 | SVPM12-50 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Compound** | **µG/m3** | | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** | **µg/m³** |
| Freon 12 | 182.50 | N | | | 4.1 | | | | | 0.86 | | | 1.6 | 1.9 | | 1.8 | 1.6 | 1.4 | 1.6 | 1.4 | 1.2 | | 1.8 | | |
| Chloromethane | 94.90 | N | | | | | | | | | | | 0.83 | 1.1 | | 0.79 | 0.34 | | | | 0.5 | | 1.1 | | |
| Freon 11 | 730.00 | N | | | | | | | | 1.8 | | | 1.3 | 1.5 | | 1.3 | 1.6 | 2.3 | 1.1 | 1.7 | 1.4 | | 1.2 | | |
| Freon 113 | 31,390.00 | N | | | | 2,200 | 2,900 | **5,100** | 2,400 | 790E | 1,400 | 2,200 | 4 | | 600 | 2.4 | 3 | 15 | | | | 4,900 | | | |
| 1,1-Dichloroethene | 219.00 | C | **490** | **2,400** | 15 | | | 20 | | 0.94 | 5.8 | 8.8 | | | 4.1 | | | | | | | | **1,700** | **4,700** |
| Acetone | 3,285.00 | N | 370 | | 14 | 64 | 72 | 1500 | 2000 | 95 | 120 | 340 | 330E | 230E | 470 | 230E | 490 E | 740E | 110 | 160E | 570E | | 9.3 | | |
| Carbon Disulfide | 730.00 | N | | | | | | | | | | | 3.6 | | | 2.5 | 4.6 | 2.3 | 3.2 | 4.7 | 2.4 | | | | |
| Methylene Chloride | 3.79 | C | | | **150** | | | | | | | | | | | | | | | | | | | | |
| Methyl tert-butyl ether | 1.57 | C | | | | | | | | | | **8.2** | | | | | | | | | | | | | |
| trans-1,2-Dichloroethene | 62.05 | N | | | | 22 | 25 | 58 | | | | 5.6 | | | 22 | | | | | | | **64** | | | |
| 1,1-Dichloroethane | 511.00 | C | 130 | **1,700** | 14 | 15 | | 62 | 16 | 1.2 | 19 | 95 | | | 460 | | | | | | | 63 | | **710** | **1,400** |
| 2-Butanone | 5,110.00 | N | 35 | | | | | 50 | 230 | 10 | 12 | 22 | 16 | 0.87 | 15 | 11 | 53 | 37 | 26 | 21 | 50 | | 0.75 | | |
| cis-1,2-Dichloroethene | 36.50 | N | | **560** | 4.4 | **160** | **200** | **800** | **92** | | 3.7 | 8.1 | | | **79** | | | | | | | **860** | | | **780** |
| Chloroform | 0.08 | C | | | | | | | | **1.2** | **4.9** | **5.7** | | | | | **1.7** | **1.2** | **2.4** | **53** | **28** | | | | |
| 1,1,1-Trichloroethane | 5,219.50 | N | **16,000** | **90,000** | 890 | 740 | 970 | 1,900 | 550 | 440E | 790 | 780 | 3.9 | | 430 | 3.4 | 11 | 27 | | | 0.95 | 2,400 | | **36,000** | **75,000** |
| Carbon Tetrachloride | 0.12 | C | | | | | | | | | | | | | | | | | **41** | **130** | **99** | | | | |
| Benzene | 0.23 | C | | | | | | **33** | **56** | **3.3** | **6.2** | **9.4** | **7.6** | **1.4** | **5.2** | **7.1** | **22** | **8.4** | **5.1** | **7.2** | **23** | | **1** | | |
| 4-Methyl-2-pentanone | 3,139.00 | N | | | | | | | | | | | 2.1 | | | | 1.8 | | 0.66 | | | | | | |
| Toluene | 5,110.00 | N | | | | | | 31 | 66 | 25 | 41 | 24 | 32 | 3.6 | 15 | 10 | 37 | 30 | 8.8 | 18 | **40** | 23 | 2.2 | | |
| Tetrachloroethene | 0.31 | C | **170** | **1,200** | **5.9** | **1,700** | **2,100** | **960** | **20** | **540E** | **1,300** | **250** | **22** | | **78** | **15** | **59** | **60** | **19** | **28** | **44** | **5,300** | | | |
| Chlorobenzene | 51.10 | N | | | | | | | | | | | | | | | | | | | | | | | |
| Ethyl Benzene | 1,058.50 | C | | | | | | | | 7.8 | 12 | 4.4 | 9.1 | | | 1.8 | 6.4 | 4.7 | 1.8 | 3.2 | 5.2 | | | | |
| m,p-Xylene | 109.50 | N | | | | | | | 20 | 27 | 34 | 14 | 32 | 1.9 | 7.4 | 5.1 | 12 | 13 | 5 | 8.4 | 14 | 26 | 1.2 | | |
| o-Xylene | | | | | | | | | | 8.3 | 11 | | 11 | 0.63 | | 1.2 | 3.2 | 2.6 | 1.6 | 2.2 | 2.7 | | | | |
| Styrene | 1,043.90 | C | | | | | | | | 0.92 | | | 0.76 | | | | 0.89 | | | 0.74 | | | | | |
| 1,4-Dichlorobenzene | 0.16 | N | | | | | | | | **1.5** | | | | **0.84** | | | | | | | | | | | |
| Trichloroethene | 0.02 | C | **19,000** | **180,000** | **1,400** | **3,300** | **4,600** | **4,400** | **320** | **110** | **590** | **750** | **5.2** | | **820** | **1.5** | **16** | **71** | **1.2** | **2** | **2.1** | **7,200** | **0.29** | **73,000** | **150,000** |

1 - Ambient air criteria from EPA Region 3 RBC tables, http://www.epa.gov/reg3hwmd/risk/human/index.htm
µg/m³ = micrograms per cubic meter of air
C = Carcinogenic effects  N = Noncarcinogenic effects
**Bolded values are exceedances of EPA Region 3 RBCs.**
E = exceeds instrument calibration range, reported results likely exceed plus/minus 25 %.
Blank cells indicate a non-detect value.

ACAD: 0804CM01.dwg 06/14/07 MF PIT




| | | | |
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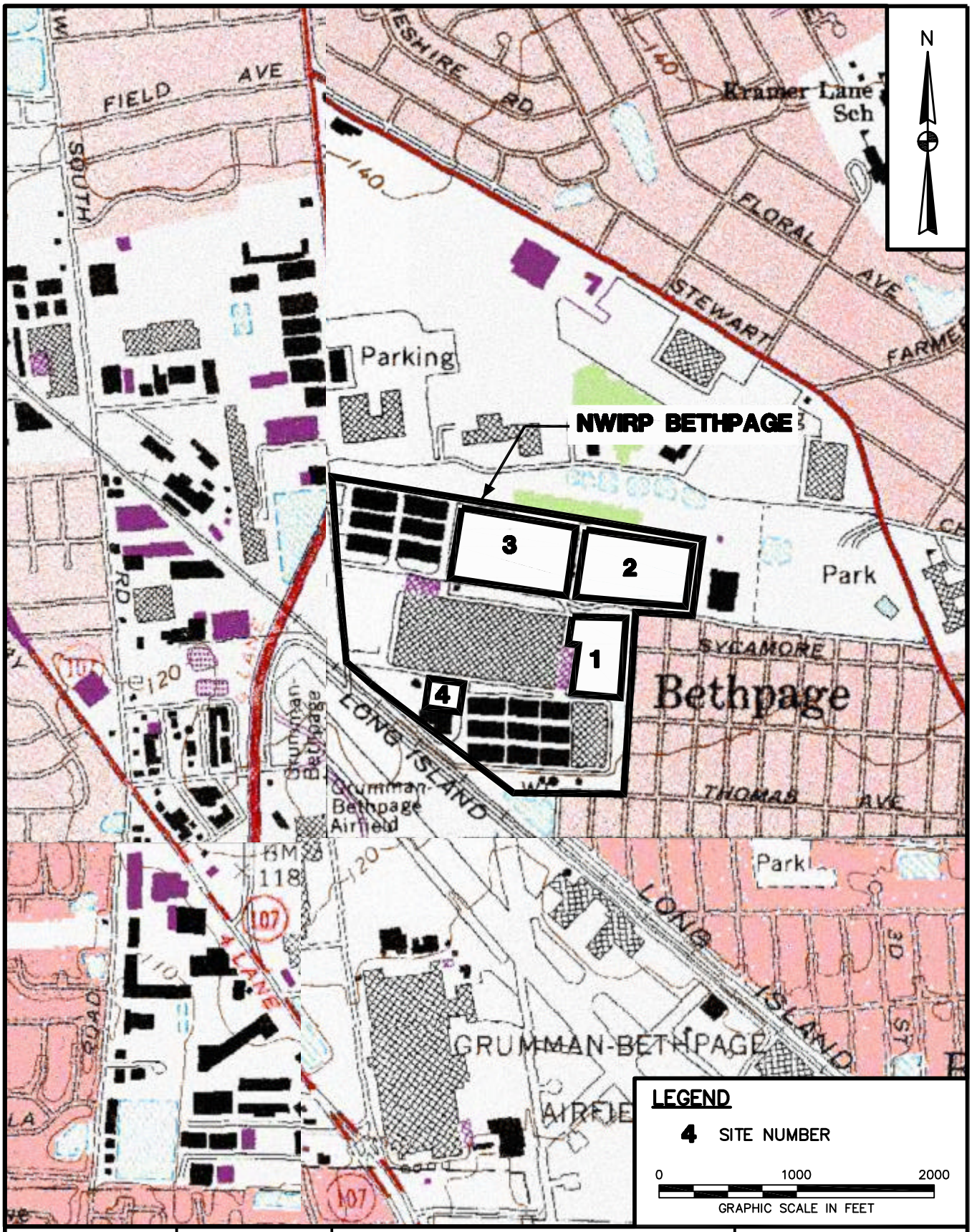
| CHECKED BY DATE | | | OWNER NO. |
| REVISED BY DATE | | | APPROVED BY DATE |
| SCALE AS NOTED | | | DRAWING NO. FIGURE 1 / REV. 0 |

FORM CADD NO. TTNUS-AH.DWG - REV 1 -9/10/98

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| CHECKED BY | DATE | SITE LOCATION MAP<br>SITE 1<br>NWIRP BETHPAGE<br>BETHPAGE, NEW YORK | OWNER NO. |
| REVISED BY | DATE | | APPROVED BY DATE |
| SCALE AS NOTED | | | DRAWING NO. FIGURE 2 / REV. 0 |

FORM CADD NO. TTNUS-AV.DWG - REV 1 -9/10/98

ACAD: 9845CM10.dwg 11/06/07 MF PIT

N

SITE 3

SITE 2

NAVY ACCESS EASEMENT

BPS1-SG1005

BPS1-SG1006

BUILDING

SETTLING TANK

DRY WELL 20-08

AOC 30

AOC 23

AOC 35

BPS1-SG1004

SYCAMORE AVENUE

SITE 1

BPS1-SG1003

PLANT NO. 3

METAL STORAGE BUILDINGS

SVPM11

BPS1-SG1002

SVPM11S

PAD

11TH STREET

FORMER METAL STORAGE BUILDINGS

DRY WELL 34-07

BPS1-SG1001

NAVY PROPERTY TO BE RETAINED

SVPM12S

SVPM12

SITE 4/AOC 22

MAPLE AVENUE

LEGEND:

- DRY WELL
- SOIL GAS SAMPLE LOCATION
- SOIL VAPOR PRESSURE MONITOR
- PROPERTY LINE
- FENCE LINE

0 100 200

GRAPHIC SCALE IN FEET

| | |
|---|---|
| DRAWN BY: MF | DATE: 11/5/07 |
| CHECKED BY | DATE |
| REVISED BY | DATE |
| SCALE: AS NOTED | |

Tetra Tech NUS, Inc.

SITE 1 LAYOUT MAP
NWIRP BETHPAGE
BETHPAGE, NEW YORK

| | |
|---|---|
| CONTRACT NO. 9845 | |
| OWNER NO. | |
| APPROVED BY | DATE |
| DRAWING NO. FIGURE 3 | REV. 0 |

FORM CADD NO. TTNUS-BV.DWG - REV 1 -9/11/98

N

NAVY ACCESS EASEMENT

SITE 2

BPSI-SG1005-08 (8 ft bgs)

| Compound | µG/m3 |
|---|---|
| Tetrachloroethene | 15 |
| Trichloroethene | 1.5 |

BPSI-SG1005-20 (20 ft bgs)

| Compound | µG/m3 |
|---|---|
| Chloroform | 1.7 |
| Tetrachloroethene | 59 |
| Trichloroethene | 16 |

BPSI-SG1005-45 (45 ft bgs)

| Compound | µG/m3 |
|---|---|
| Chloroform | 1.2 |
| Tetrachloroethene | 60 |
| Trichloroethene | 71 |

BUILDING
AOC 30

AOC 35

ELL 20-08

SETTLING TANK

AOC 23

BPSI-SG1004-05.5 (5.5 ft bgs)

| Compound | µG/m3 |
|---|---|
| Tetrachloroethene | 22 |
| Trichloroethene | 5.2 |

BPSI-SG1004-22 (22 ft bgs)

| Compound | µG/m3 |
|---|---|
| Benzene | 1.4 |
| 1,4-Dichlorobenzene | 0.84 |

BPSI-SG1004-46 (46 ft bgs)

| Compound | µG/m3 |
|---|---|
| cis-1,2-Dichloroethene | 79 |
| Tetrachloroethene | 78 |
| Trichloroethene | 820 |

BPSI-SG1006-07 (7 ft bgs)

| Compound | µG/m3 |
|---|---|
| Chloroform | 2.4 |
| Carbon Tetrachloride | 41 |
| Tetrachloroethene | 19 |
| Trichloroethene | 1.2 |

BPSI-SG1006-20 (20 ft bgs)

| Compound | µG/m3 |
|---|---|
| Chloroform | 53 |
| Carbon Tetrachloride | 130 |
| Tetrachloroethene | 28 |
| Trichloroethene | 2 |

BPSI-SG1006-45 (45 ft bgs)

| Compound | µG/m3 |
|---|---|
| Chloroform | 28 |
| Carbon Tetrachloride | 99 |
| Tetrachloroethene | 44 |
| Trichloroethene | 2.1 |

BPSI-SG1003-05.5 (8 ft bgs)

| Compound | µG/m3 |
|---|---|
| Chloroform | 1.2 |
| Tetrachloroethene | 540 E |
| 1,4-Dichlorobenzene | 1.5 |
| Trichloroethene | 110 |

BPSI-SG1003-20 (20 ft bgs)

| Compound | µG/m3 |
|---|---|
| Chloroform | 4.9 |
| Tetrachloroethene | 1300 |
| Trichloroethene | 590 |

BPSI-SG1003-45 (45 ft bgs)

| Compound | µG/m3 |
|---|---|
| Chloroform | 5.7 |
| Tetrachloroethene | 250 |
| Trichloroethene | 750 |

SYCAMORE AVEENUE

BPSI-SG1002-08 (8 ft bgs)

| Compound | µG/m3 |
|---|---|
| cis-1,2-Dichloroethene | 160 |
| Tetrachloroethene | 1700 |
| Trichloroethene | 3300 |

BPSI-SG1002-08 lab dup (8 ft bgs)

| Compound | µG/m3 |
|---|---|
| cis-1,2-Dichloroethene | 150 |
| Tetrachloroethene | 1700 |
| Trichloroethene | 3500 |

BPSI-SG1002-20 (20 ft bgs)

| Compound | µG/m3 |
|---|---|
| Freon 113 | 5100 |
| cis-1,2-Dichloroethene | 800 |
| Tetrachloroethene | 960 |
| Trichloroethene | 4400 |

BPSI-SG1002-45 (45 ft bgs)

| Compound | µG/m3 |
|---|---|
| cis-1,2-Dichloroethene | 92 |
| Tetrachloroethene | 20 |
| Trichloroethene | 320 |

SITE 1

METAL STORAGE BUILDINGS

PAD

SVPM11-49 (49 ft bgs)

| Compound | µG/m3 |
|---|---|
| Trichloroethene | 0.29 |

11TH STREET

SVPM11S-24 (24 ft bgs)

| Compound | µG/m3 |
|---|---|
| trans-1.2-Dichloroethene | 64 |
| cis-1,2-Dichloroethene | 860 |
| Tetrachloroethene | 5300 |
| Trichloroethene | 7200 |

NAVY PROPERTY TO BE RETAINED

SVPM12-50 (50 ft bgs)

| Compound | µG/m3 |
|---|---|
| 1,1-Dichloroethene | 4700 |
| 1,1-Dichloroethane | 1400 |
| cis-1,2-Dichloroethene | 780 |
| 1,1,1-Trichloroethane | 75000 |
| Trichloroethene | 150000 |

BPSI-SG1001-07 (7 ft bgs)

| Compound | µG/m3 |
|---|---|
| 1,1-Dichloroethene | 490 |
| 1,1,1-Trichloroethane | 16000 |
| Tetrachloroethene | 170 |
| Trichloroethene | 19000 |

BPSI-SG1001-20 (20 ft bgs)

| Compound | µG/m3 |
|---|---|
| 1,1-Dichloroethene | 2400 |
| 1,1-Dichloroethane | 1700 |
| cis-1,2-Dichloroethene | 560 |
| 1,1,1-Trichloroethane | 90000 |
| Tetrachloroethene | 1200 |
| Trichloroethene | 180000 |

BPSI-SG1001-40 (40 ft bgs)

| Compound | µG/m3 |
|---|---|
| Methylene Chloride | 150 |
| Tetrachloroethene | 5.9 |
| Trichloroethene | 1400 |

17 SOUTH

SVPM12S-25 (25 ft bgs)

| Compound | µG/m3 |
|---|---|
| 1,1-Dichloroethene | 1700 |
| 1,1-Dichloroethane | 710 |
| 1,1,1-Trichloroethane | 36000 |
| Trichloroethene | 73000 |

MAPLE AVENUE

LEGEND

- DRY WELL
- SOIL GAS SAMPLE LOCATION
- SOIL VAPR PRESSURE MONITOR
- PROPERTY LINE
- FENCE LINE
- SITE BOUNDARY
- AOC BOUNDARY

NOTE:
FIGURE PRESENTS VOLATILE ORGANIC COMPOUNDS THAT EXCEED EPA REGION 3 RBCs FOR INDOOR AIR. FOR COMPARISON, NEW YORK STATE DEPARTMENT OF HEALTH INDOOR AIR CRITERIA FOR TCE AND PCE ARE 5 µg/m³ AND 100 µg/m³ RESPECTIVELY.

0 80 160
SCALE IN FEET

TETRA TECH NUS, INC.

# SOIL GAS RESULTS
# SITE 1
# NWIRP BETHPAGE
# BETHPAGE, NEW YORK

| FILE | SCALE |
|---|---|
| 112GN9845GM01 | AS NOTED |
| FIGURE NUMBER: FIGURE 4 | REV: 0 / DATE: 02/27/08 |

**APPENDIX A**

**SITE PHOTOS**

**Bethpage Site 1**
**Soil Gas Photos**
**January 2008**

Photo 1: DPT rig, East of Site 1

Photo 2: DPT rig, East of Site 1

**Bethpage Site 1**
**Soil Gas Photos**
**January 2008**

Photo 3: DPT rig, East of Site 1

Photo 4: DPT rig, East of Site 1

**Bethpage Site 1**
**Soil Gas Photos**
**January 2008**

Photo 5: DPT rig, East of Site 1

Photo 6: DPT rig, East of Site 1

**Bethpage Site 1**
**Soil Gas Photos**
**January 2008**

Photo 7: Probe tubing, helium tank over sample point.

Photo 8: Probe and tubing over two sample points.

**Bethpage Site 1**
**Soil Gas Photos**
**January 2008**

Photo 9: Summa canister and purge pump.

Photo 10: Purge pump and helium detector.

**Bethpage Site 1**
**Soil Gas Photos**
**January 2008**

Photo 11: Field blank and Summa canister.

Photo 12: DPT rig and sample points, East of Site 1.

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**Bethpage Site 1**
**Soil Gas Photos**
**January 2008**

Photo 13: Sample points, East of Site 1

Photo 14: Sample points, East of Site 1

# APPENDIX B

## SOIL BORING LOGS and MONITORING WELL CONSTRUCTION SHEETS

Tetra Tech NUS, Inc.

# BORING LOG



PROJECT NAME: NWIRP Bethpage
PROJECT NUMBER: CTO-121
DRILLING COMPANY: Zebra
DRILLING RIG: Geoprobe

BORING No.: BPS1-SG1001
DATE: 1-24-08
GEOLOGIST: Vince Shickora
DRILLER: Luke Reiss

| Time | Sample No. and Type or RQD | Depth (Ft.) or Run No. | Blows / 6" or RQD (%) | Sample Recovery / Sample Length | Lithology Change (Depth/Ft.) or Screened Interval | MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness | Color | Material Classification | USCS * | Remarks | PID/FID Reading (ppm): Sample | Sampler BZ | Borehole** | Driller BZ** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0920 | S-1 | 1 | | | | | DK Brn | Sandy Silt with Trace fine gravel (Fill) | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 3 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 0925 | | 5 | | 48"/60" | | | Brn | FGR to CGR Sand and Fine to course gravel Trace Silt | | moist | 0 | 0 | 0 | 0 |
| | S-2 | | | | | | | | | | | | | |
| | | 7 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | 9 | | | | | Brn Gry | Sandy Silt - Trace fine gravel and clay | | moist | 0 | 0 | 0 | 0 |
| 0932 | | | | 57"/60" | | | | | | | | | | |
| | S-3 | 11 | | | | | org Brn | FGR to CGR Sand and fine to course gravel Trace silt | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 13 | | | | | | | | | | | | |
| | | | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| 0938 | | 15 | | 45"/60" | | | | | | | | | | |
| | S-4 | | | | | | | | | | | | | |
| | | 17 | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 19 | | | | | | | | | | | | |
| 0944 | | | | 46"/60" | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | S-5 | 21 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | 23 | | | | | | | | | | | | |
| | | | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| 1005 | | 25 | | 44"/60" | | | | | | | | | | |

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Geoprobe DPT - 2"x5' macro-core discreet Interval Sampler with Acetate sleeves

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

# BORING LOG



PROJECT NAME: NWIRP Bethpage
PROJECT NUMBER: CTO-121
DRILLING COMPANY: Zebra
DRILLING RIG: Geoprobe
BORING No.: BPS1-SG1001
DATE: 1-24-08
GEOLOGIST: Vince Shickora
DRILLER: Luke Reiss

| Time | Sample No. and Type or RQD | Depth (Ft.) or Run No. | Blows / 6" or RQD (%) | Sample Recovery / Sample Length | Lithology Change (Depth/Ft.) or Screened Interval | MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness | Color | Material Classification | USCS * | Remarks | PID/FID Reading (ppm): Sample | Sampler BZ | Borehole** | Driller BZ** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | S-6 | | | | | | Org Brn | FGR to CGR Sand and Fine to course gravel Trace Silt | | moist | 0 | 0 | 0 | 0 |
| | | 27 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | 29 | | | | | Org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| 1020 | | | | 45"/60" | | | | | | | | | | |
| | S-7 | 31 | | | | | | | | | | | | |
| | | | | | | | Org Brn | FGR to MGR Sand with Trace CGR Sand - Gravel - Silt | | moist | 0 | 0 | 0 | 0 |
| | | 33 | | | | | | | | | | | | |
| | | | | | | | Brn | FGR to MGR Sand - Trace | | moist | | | | |
| 1859 | | 35 | | 56"/60" | | | Tan | CGR Sand - Silt | | | 0 | 0 | 0 | 0 |
| | S-8 | | | | | | | | | | | | | |
| | | 37 | | | | | Org Brn | FGR to CGR Sand and fine to Course gravel Trace Silt. | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 39 | | | | | | | | | | | | |
| 1418 | | | | | | | | | | | | | | |
| | | 41 | | | EoB | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | 43 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | 45 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | 47 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | 49 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: (see page 1) Hit refusal at ~37 feet after collecting 35' to 40' sample and attempting to collect 40' to 45' sample

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

# BORING LOG



PROJECT NAME: NWIRP Bethpage
PROJECT NUMBER: CTO-121
DRILLING COMPANY: Zebra
DRILLING RIG: Geoprobe

BORING No.: BPS1-SG1002
DATE: 1-23-08
GEOLOGIST: Vince Shickora
DRILLER: Luke Reiss

| Time | Sample No. and Type or RQD | Depth (Ft.) or Run No. | Blows / 6" or RQD (%) | Sample Recovery / Sample Length | Lithology Change (Depth/Ft.) or Screened Interval | MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness | Color | Material Classification | USCS * | Remarks | PID/FID Reading (ppm): Sample | Sampler BZ | Borehole** | Driller BZ** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0837 | S-1 | 1 | | | | | DK Brn | Sandy silt with some fine gravel (grass + roots) | | moist | 0 | 0 | 0 | 0 |
| | | 3 | | | | | | | | | | | | |
| | | | | | | | org Brn | FGR to CGR sand and fine to course gravel Trace silt | | moist | 0 | 0 | 0 | 0 |
| 0839 | | 5 | | 42"/60" | | | | | | | | | | |
| | S-2 | | | | | | | | | | | | | |
| | | 7 | | | | | Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 9 | | | | | | | | | | | | |
| 0843 | | | | | | | Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | S-3 | 11 | | 50"/60" | | | | | | | | | | |
| | | | | | | | Grey Brn | Same as above (more silt) | | moist | 0 | 0 | 0 | 0 |
| | | 13 | | | | | | | | | | | | |
| 0847 | | 15 | | 51"/60" | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | S-4 | | | | | | | | | | | | | |
| | | 17 | | | | | | | | | | | | |
| | | | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | 19 | | | | | | | | | | | | |
| 0948 | | | | 41"/60" | | | | | | | | | | |
| | S-5 | 21 | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 23 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 1010 | | 25 | | 47"/60" | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Geoprobe DPT - 2"x5' macro-core discreet Interval sampler with Acetate sleeves

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

# BORING LOG



PROJECT NAME: NWIRP Bethpage
PROJECT NUMBER: CTO-121
DRILLING COMPANY: Zebra
DRILLING RIG: Geoprobe

BORING No.: BPS1-SG1002
DATE: 1-23-08
GEOLOGIST: Vince Shickora
DRILLER: Luke Reiss

| Sample No. and Type or RQD | Depth (Ft.) or Run No. | Blows / 6" or RQD (%) | Sample Recovery / Sample Length | Lithology Change (Depth/Ft.) or Screened Interval | MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness | Color | Material Classification | USCS * | Remarks | PID/FID Reading (ppm): Sample | Sampler BZ | Borehole** | Driller BZ** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S-6 | | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | 27 | | | | | | | | | | | | |
| | | | | | | Brn Tan | FGR to MGR Sand Trace CGR Sand-silt and gravel | | moist | 0 | 0 | 0 | 0 |
| | 29 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 1038 S-7 | 31 | | | | | Brn Tan | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | |
| | 33 | | | | | | | | | | | | |
| | | | | | | Brn Tan | Same as above (more fine gravel) | | moist | 0 | 0 | 0 | 0 |
| | 35 | | | | | | | | | | | | |
| S-8 | | | | | | | | | | | | | |
| | 37 | | | | | org Red | Silty CGR Sand with gravel (Fine) | | | 0 | 0 | 0 | 0 |
| | | | | | | Brn | Trace FGR to MGR sand | | | | | | |
| | 39 | | | | | Brn | | | | | | | |
| | | | | | | Brn Red | Same as above | | moist | 0 | 0 | 0 | 0 |
| S-9 | 41 | | | | | | | | | | | | |
| | | | | | | Tan Wht | FGR to MGR Sand Trace silt. | | moist | 0 | 0 | 0 | 0 |
| | 43 | | | | | | | | | | | | |
| | | | | | | Wht | Same as above | | moist | 0 | 0 | 0 | 0 |
| | 45 | | | EOB | | | | | | | | | |
| | | | | | | | | | | | | | |
| | 47 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | 49 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: (See page 1) Hit refusal at ~43' on way down to Sample 45' to 50' interval

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

# BORING LOG



PROJECT NAME: NWIRP Bethpage
PROJECT NUMBER: CTO-121
DRILLING COMPANY: Zebra
DRILLING RIG: Geoprobe

BORING No.: BPS1-SG1003
DATE: 1-21-08
GEOLOGIST: Vince Shickora
DRILLER: Luke Reiss

| Time | Sample No. and Type or RQD | Depth (Ft.) or Run No. | Blows / 6" or RQD (%) | Sample Recovery / Sample Length | Lithology Change (Depth/Ft.) or Screened Interval | MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness | Color | Material Classification | USCS * | Remarks | PID/FID Reading (ppm): Sample | Sampler BZ | Borehole** | Driller BZ** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1005 | S-1 | 1 | | | | | DK Brn | Sandy Silt with grass and roots | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 3 | | | | | Brn | Clayey Silt with some Sand + Fine gravel | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| 1015 | | 5 | | 37"/60" | | | Brn | Silty FGR to CGR Sand some fine gravel | | moist | 0 | 0 | 0 | 0 |
| | S-2 | | | | | | | | | | | | | |
| | | 7 | | | | | | | | | | | | |
| | | | | | | | Brn Gry | Clayey Silt | | moist | 0 | 0 | 0 | 0 |
| | | 9 | | | | | | | | | | | | |
| 1020 | | | | 41"/60" | | | | | | | | | | |
| | S-3 | 11 | | | | | Brn | FGR to CGR Sand Trace Silt + Fine gravel | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 13 | | | | | Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 15 | | 43"/60" | | | Brn | MGR to CGR Sand Trace Silt + Fine gravel | | moist | 0 | 0 | 0 | 0 |
| 1025 | S-4 | | | | | | | | | | | | | |
| | | 17 | | | | | Brn Tan | FGR to CGR Sand with Fine to Coarse gravel Trace Silt | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 19 | | | | | | | | | | | | |
| 1030 | | | | 49"/60" | | | | | | | | | | |
| | S-5 | 21 | | | | | Brn Tan | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 23 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 1040 | | 25 | | 44"/60" | | | Brn Tan | Same as above | | moist | 0 | 0 | 0 | 0 |

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Geoprobe DPT - 2"x5' Macro-core discreet Interval Sampler with Acetate sleeve

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

# BORING LOG



PROJECT NAME: NWIRP Bethpage
PROJECT NUMBER: CTO - 121
DRILLING COMPANY: Zebra
DRILLING RIG: Geoprobe

BORING No.: BPS1-SG1003
DATE: 1-21-08
GEOLOGIST: V. Shickora
DRILLER: L. Reiss

| Time | Sample No. and Type or RQD | Depth (Ft.) or Run No. | Blows / 6" or RQD (%) | Sample Recovery / Sample Length | Lithology Change (Depth/Ft.) or Screened Interval | MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness | Color | Material Classification | USCS * | Remarks | PID/FID Reading (ppm): Sample | Sampler BZ | Borehole** | Driller BZ** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | S-6 | | | | | | | | | | | | | |
| | | 27 | | | | | Brn Tan | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 29 | | | | | | | | | | | | |
| 1048 | | | | | | | Tan | FGR to MGR Sand Trace silt + fine gravel | | moist | 0 | 0 | 0 | 0 |
| | S-7 | 31 | | | | | | | | | | | | |
| | | | | | | | Tan | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | 33 | | | | | | | | | | | | |
| | | | | | | | Brn Tan | FGR Sand with some silt - Trace fine gravel | | moist | 0 | 0 | 0 | 0 |
| 1100 | | 35 | | | | | | | | | | | | |
| | S-8 | | | | | | | | | | | | | |
| | | 37 | | | | | Brn Tan | FGR to CGR Sand and Fine to coarse gravel some silt. | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 39 | | | | | | | | | | | | |
| 1120 | | | | | | | Brn Tan | Same as above | | moist | 0 | 0 | 0 | 0 |
| | S-9 | 41 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | 43 | | | | | | | | | | | | |
| | | | | | | | Brn Tan | Same as above | | moist | 0 | 0 | 0 | 0 |
| 1150 | | 45 | | | | | | | | | | | | |
| | S-10 | | | | EOB refusal | | | | | | | | | |
| | | 47 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | 49 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: (see page 1)

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

# BORING LOG



PROJECT NAME: NWIRP Bethpage
PROJECT NUMBER: CTO-121
DRILLING COMPANY: Zebra
DRILLING RIG: Geoprobe

BORING No.: BPS1-SG1004
DATE: 1-21-08
GEOLOGIST: Vince Shickora
DRILLER: Luke Reiss

| Time | Sample No. and Type or RQD | Depth (Ft.) or Run No. | Blows / 6" or RQD (%) | Sample Recovery / Sample Length | Lithology Change (Depth/Ft.) or Screened Interval | MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness | Color | Material Classification | USCS * | Remarks | PID/FID Reading (ppm): Sample | Sampler BZ | Borehole** | Driller BZ** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1400 | S-1 | 1 | | | | | DK Brn | Sandy Silt with some gravel (Fill) | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 3 | | | | | | | | | | | | |
| | | | | | | | Brn | FGR to CGR Sand with some fine gravel and Trace Silt. | | moist | 0 | 0 | 0 | 0 |
| 1403 | | 5 | | 39"/60" | | | | | | | | | | |
| | S-2 | | | | | | | | | | | | | |
| | | 7 | | | | | | | | | | | | |
| | | | | | | | Brn Gry | Clayey silt with Trace Sand / fine gravel | | very moist | 0 | 0 | 0 | 0 |
| | | 9 | | | | | | | | | | | | |
| 1407 | | | | 51"/60" | | | | | | | | | | |
| | S-3 | 11 | | | | | org Brn | FGR to CGR Sand and fine to course gravel Trace silt | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 13 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 1412 | | 15 | | 39"/60" | | | Brn Tan | Same as above | | moist | 0 | 0 | 0 | 0 |
| | S-4 | | | | | | | | | | | | | |
| | | 17 | | | | | | | | | | | | |
| | | | | | | | Brn Tan | Same as above (more silt 16' to 18') | | moist | 0 | 0 | 0 | 0 |
| | | 19 | | | | | | | | | | | | |
| 1416 | | | | 42"/60" | | | | | | | | | | |
| | S-5 | 21 | | | | | Brn Tan | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 23 | | | | | Brn | FGR to MGR Sand | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | Tan | Trace silt + fine gravel | | | | | | |
| 1427 | | 25 | | 45"/60" | | | | | | | | | | |

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Geoprobe DPT - 2" x 5' Macro-core discreet Interval Sampler with Acetate Sleeves

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

# BORING LOG



PROJECT NAME: NwIRP Bethpage
PROJECT NUMBER: CTO-121
DRILLING COMPANY: Zebra
DRILLING RIG: Geoprobe

BORING No.: BP51-SG1004
DATE: 1-21-08/1-22-08
GEOLOGIST: V. Shickora
DRILLER: L. Reiss

| Time | Sample No. and Type or RQD | Depth (Ft.) or Run No. | Blows / 6" or RQD (%) | Sample Recovery / Sample Length | Lithology Change (Depth/Ft.) or Screened Interval | MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness | Color | Material Classification | USCS * | Remarks | PID/FID Reading (ppm): Sample | Sampler BZ | Borehole** | Driller BZ** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | S-6 | | | | | | Brn Tan | FGR to CGR Sand and Fine to Course gravel Trace Silt. | | moist | 0 | 0 | 0 | 0 |
| | | 27 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | 29 | | | | | Brn Tan | FGR to MGR Sand Trace CGR Sand + Fine gravel Trace Silt | | moist | 0 | 0 | 0 | 0 |
| 1441 | | | | 45"/60" | | | | | | | | | | |
| | S-7 | 31 | | | | | | | | | | | | |
| | | | | | | | Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | 33 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 1509 | | 35 | | 42"/60" | | | Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | S-8 | | | | | | | | | | | | | |
| | | 37 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | 39 | | | | | Brn Tan | FGR to CGR Sand some Fine gravel - Trace Silt | | moist | 0 | 0 | 0 | 0 |
| 1540 | | | | 46"/60" | | | | | | | | | | |
| | | 41 | | | | | | | | | | | | |
| | | | | | | | Brn Tan | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | 43 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 1602 | | 45 | | 47"/60" | | | Brn Tan | FGR to MGR Sand Trace CGR sand + Fine gravel | | moist | 0 | 0 | 0 | 0 |
| 1-21-08 → 0737 | | | | | | | | | | | | | | |
| | | 47 | | | | | Brn Tan | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 49 | | | | | Brn | Sandy Silt - Trace clay + Fine gravel | | moist | 0 | 0 | 0 | 0 |
| 1-22-08 0748 | | | | | EoB | | | | | | | | | |

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: (see page 1)

Drilling Area Background (ppm): 0

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

# BORING LOG



PROJECT NAME: NWIRP Bethpage
PROJECT NUMBER: CTO-121
DRILLING COMPANY: Zebra
DRILLING RIG: Geoprobe

BORING No.: BPS1-SG1005
DATE: 1-23-08
GEOLOGIST: Vince Shickora
DRILLER: Luke Reiss

| Time | Sample No. and Type or RQD | Depth (Ft.) or Run No. | Blows / 6" or RQD (%) | Sample Recovery / Sample Length | Lithology Change (Depth/Ft.) or Screened Interval | MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness | Color | Material Classification | USCS * | Remarks | PID/FID Reading (ppm): Sample | Sampler BZ | Borehole** | Driller BZ** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1350 | S-1 | 1 | | | | | DK Brn | Sandy Silt with some fine gravel | | very moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 3 | | | | | DK Brn | Same as above | | very moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| 1355 | | 5 | | 49"/60" | | | | | | | | | | |
| | S-2 | | | | | | org Brn | FGR to CGR Sand and Fine to medium gravel Trace Silt | | moist | 0 | 0 | 0 | 0 |
| | | 7 | | | | | | | | | | | | |
| | | | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | 9 | | | | | | | | | | | | |
| 1359 | | | | 47"/60" | | | org Gry | Sandy Silt with Fine To Medium gravel | | moist | 0 | 0 | 0 | 0 |
| | S-3 | 11 | | | | | Brn | Trace clay | | | | | | |
| | | | | | | | | | | | | | | |
| | | 13 | | | | | | | | | | | | |
| | | | | | | | org Brn | FGR to CGR Sand and Fine to coarse gravel Trace Silt | | moist | 0 | 0 | 0 | 0 |
| 1404 | | 15 | | 48"/60" | | | | | | | | | | |
| | S-4 | | | | | | | | | | | | | |
| | | 17 | | | | | | | | | | | | |
| | | | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | 19 | | | | | | | | | | | | |
| 1411 | | | | 50"/60" | | | | | | | | | | |
| | S-5 | 21 | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 23 | | | | | | | | | | | | |
| | | | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| 1422 | | 25 | | 47"/60" | | | | | | | | | | |

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Geoprobe DPT - 2" x 5' Macro-core discreet Interval Sampler with Acetate Sleeves

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

# BORING LOG



PROJECT NAME: NWIRP Bethpage
PROJECT NUMBER: CTO-121
DRILLING COMPANY: Zebra
DRILLING RIG: Geoprobe
BORING No.: BP51-SG1005
DATE: 1-23-08
GEOLOGIST: V. Shickora
DRILLER: L. Reiss

| Time | Sample No. and Type or RQD | Depth (Ft.) or Run No. | Blows / 6" or RQD (%) | Sample Recovery / Sample Length | Lithology Change (Depth/Ft.) or Screened Interval | MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness | Color | Material Classification | USCS * | Remarks | PID/FID Reading (ppm): Sample | Sampler BZ | Borehole** | Driller BZ** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | S-6 | | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | 27 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | 29 | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| 1436 | | | | 40"/60" | | | | | | | | | | |
| | S-7 | 31 | | | | | | | | | | | | |
| | | | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | 33 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 1453 | | 35 | | 41"/60" | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | S-8 | | | | | | | | | | | | | |
| | | 37 | | | | | org Brn | FGR to CGR Sand and Fine gravel - Trace silt and Medium gravel | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 39 | | | | | | | | | | | | |
| 1524 | | | | 44"/60" | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | 41 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | 43 | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| 1546 | | 45 | | 46"/60" | | | | | | | | | | |
| | | | | | EoB | | | | | | | | | |
| | | 47 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | 49 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: (See page 1) Refusal at 41' BGS between 40' to 45' Sample and attempting 45' to 50' Sample

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

# BORING LOG



PROJECT NAME: NWIRP Bethpage
PROJECT NUMBER: CTO-121
DRILLING COMPANY: Zebra
DRILLING RIG: Geoprobe
BORING No.: BPS1-SG1006
DATE: 1-25-08
GEOLOGIST: Vince Shickora
DRILLER: Luke Reiss

| Time | Sample No. and Type or RQD | Depth (Ft.) or Run No. | Blows / 6" or RQD (%) | Sample Recovery / Sample Length | Lithology Change (Depth/Ft.) or Screened Interval | MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness | MATERIAL DESCRIPTION: Color | MATERIAL DESCRIPTION: Material Classification | USCS * | Remarks | PID/FID Reading (ppm): Sample | Sampler BZ | Borehole** | Driller BZ** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0900 | S-1 | 1 | | | | | DK Brn | Sandy Silt with some gravel (fill) | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 3 | | | | | Org Brn | FGR to CGR Sand and Fine to course gravel Trace Silt. | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| 0908 | | 5 | | 50"/60" | | | Org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | S-2 | | | | | | | | | | | | | |
| | | 7 | | | | | Org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 9 | | | | | Brn Gry | Sandy Silt with Fine To medium gravel Trace clay | | moist | 0 | 0 | 0 | 0 |
| 0912 | | | | 51"/60" | | | | | | | | | | |
| | S-3 | 11 | | | | | | | | | | | | |
| | | | | | | | Org Brn | FGR to CGR Sand and Fine to course gravel Trace Silt | | moist | 0 | 0 | 0 | 0 |
| | | 13 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 0917 | | 15 | | 49"/60" | | | Org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | S-4 | | | | | | | | | | | | | |
| | | 17 | | | | | | | | | | | | |
| | | | | | | | Org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | 19 | | | | | | | | | | | | |
| 0937 | | | | 51"/60" | | | | | | | | | | |
| | S-5 | 21 | | | | | Org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | |
| | | 23 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 0955 | | 25 | | 48"/60" | | | Org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Geoprobe DPT - 2" x 5' macro-core discreet Interval sampler with Acetate sleeves

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

# BORING LOG



PROJECT NAME: NWIRP [redacted] Bethpage
PROJECT NUMBER: 112G00903
DRILLING COMPANY: [redacted] Zebra
DRILLING RIG: Geoprobe
BORING No.: BPS1-SG1006
DATE: 1-25-08
GEOLOGIST: Vince Shickora
DRILLER: Luke Reiss

| Time | Sample No. and Type or RQD | Depth (Ft.) or Run No. | Blows / 6" or RQD (%) | Sample Recovery / Sample Length | Lithology Change (Depth/Ft.) or Screened Interval | MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness | Color | Material Classification | USCS * | Remarks | PID/FID Reading (ppm): Sample | Sampler BZ | Borehole** | Driller BZ** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | S-6 | 26 | | | | | org Brn | FGR to CGR Sand and fine to coarse gravel trace silt | | moist | 0 | 0 | 0 | 0 |
| | | 27 | | | | | | | | | | | | |
| | | 28 | | | | | | | | | | | | |
| | | 29 | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| 1009 | | 30 | | 49"/60" | | | | | | | | | | |
| | S-7 | 31 | | | | | | | | | | | | |
| | | 32 | | | | | | | | | | | | |
| | | 33 | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | 34 | | | | | | | | | | | | |
| 1029 | | 35 | | 48"/60" | | | org Brn | FGR to CGR Sand and fine gravel - Trace silt | | moist | 0 | 0 | 0 | 0 |
| | S-8 | 36 | | | | | | and medium gravel | | | | | | |
| | | 37 | | | | | | | | | | | | |
| | | 38 | | | | | | | | | | | | |
| | | 39 | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| 1049 | | 40 | | 46"/60" | | | | | | | | | | |
| | | 41 | | | | | | | | | | | | |
| | | 42 | | | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | 43 | | | | | | (less CGR Sand) | | | | | | |
| | | 44 | | | | | | | | | | | | |
| 1122 | | 45 | | 45"/60" | | | org Brn | Same as above | | moist | 0 | 0 | 0 | 0 |
| | | 46 | | | EOB | | | | | | | | | |
| | | 47 | | | | | | | | | | | | |
| | | 48 | | | | | | | | | | | | |
| | | 49 | | | | | | | | | | | | |
| | | 50 | | | | | | | | | | | | |

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: (see page 1) Refusal at 41' BGS between 40' to 45' Sample and attempting 45' to 50' Sample

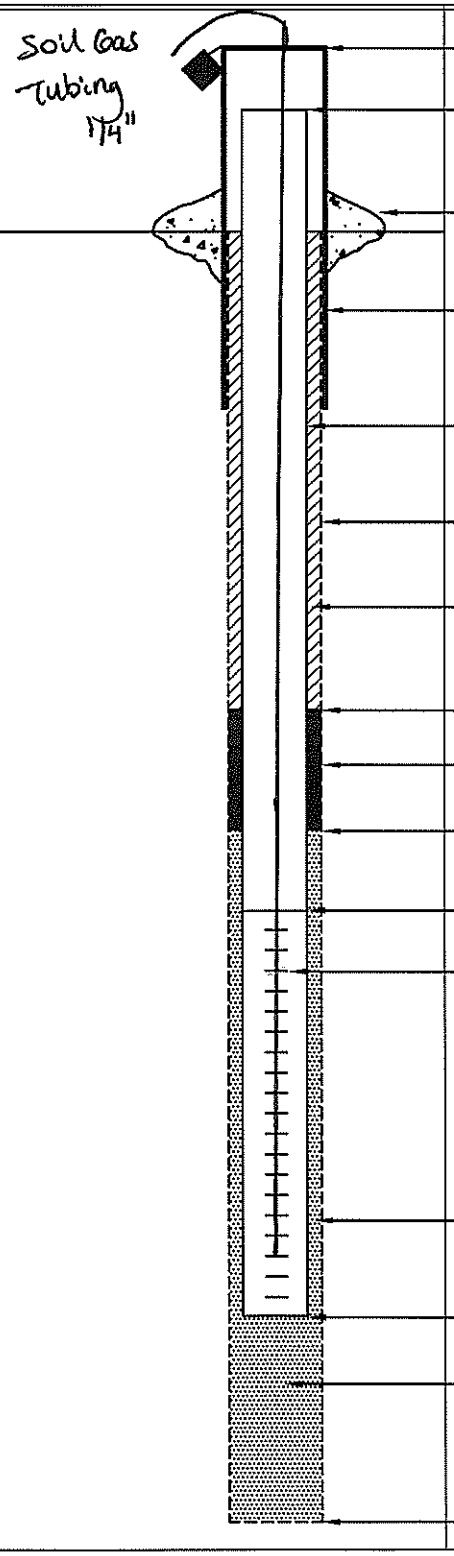
Converted to Well: Yes _____ No _____ Well I.D. #: _____

WELL NO.: SVPM-11

# OVERBURDEN
# MONITORING WELL SHEET
# STICK-UP

**Tetra Tech NUS, Inc.** Retrofitting for Permanent Soil Gas Monitoring Point

| | | | |
|---|---|---|---|
| PROJECT NWIRP Bethpage | LOCATION Site 7 | DRILLER Luke Kelss |
| PROJECT NO. CTO-0022 | BORING | DRILLING METHOD Geoprobe |
| DATE BEGUN 1-22-08 | DATE COMPLETED 1-22-08 | |
| FIELD GEOLOGIST | | DEVELOPMENT METHOD |
| GROUND ELEVATION | DATUM | |




ELEVATION/HEIGHT OF TOP OF SURFACE CASING: / NA

ELEVATION/HEIGHT OF TOP OF RISER PIPE: / NA

TYPE OF SURFACE SEAL: NA

I.D. OF SURFACE CASING:
TYPE OF SURFACE CASING:

RISER PIPE I.D.:
TYPE OF RISER PIPE:

BOREHOLE DIAMETER:

TYPE OF BACKFILL:

ELEVATION/DEPTH TOP OF SEAL: / 35'

TYPE OF SEAL: Bentonite

DEPTH TOP OF SAND PACK: 38'

ELEVATION/DEPTH TOP OF SCREEN: / 45'

TYPE OF SCREEN: Stainless Steel

SLOT SIZE x LENGTH: NA

I.D. OF SCREEN: NA

TYPE OF SAND PACK: NA

ELEVATION/DEPTH BOTTOM OF SCREEN: / 49'

ELEVATION/DEPTH BOTTOM OF SAND PACK: / 50'
BACKFILL MATERIAL BELOW SAND: NA

ELEVATION/DEPTH OF HOLE: / 50'

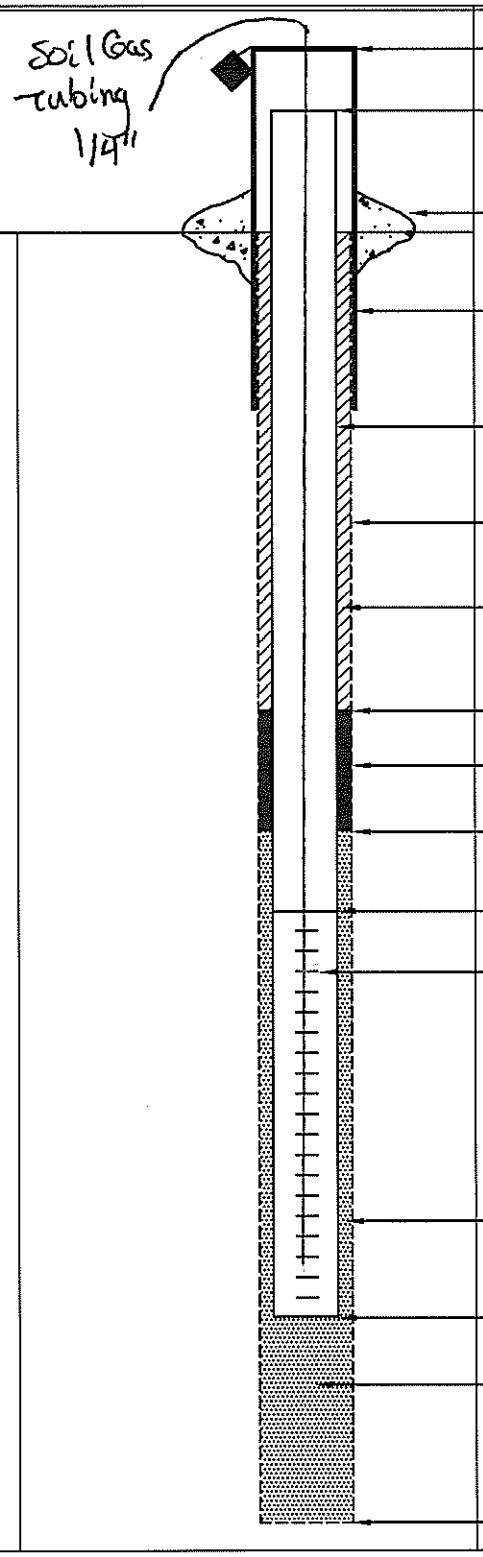
ACAD:FORM_MWSU.dwg 07/20/99 INL

WELL NO.: SVPM-11S

# OVERBURDEN
# MONITORING WELL SHEET
# STICK-UP

**Tetra Tech NUS, Inc.** Retrofitting for Permanent Soil Gas Monitoring Point

| | | | |
|---|---|---|---|
| PROJECT NWIRP Bethpage | LOCATION Site 1 | DRILLER Luke Reiss | |
| PROJECT NO. CTO-002 | BORING | DRILLING METHOD Geoprobe | |
| DATE BEGUN 1-22-08 | DATE COMPLETED 1-22-08 | | |
| FIELD GEOLOGIST | | DEVELOPMENT METHOD | |
| GROUND ELEVATION | DATUM | | |




ELEVATION/HEIGHT OF TOP OF SURFACE CASING: / NA

ELEVATION/HEIGHT OF TOP OF RISER PIPE: / NA

TYPE OF SURFACE SEAL: NA

I.D. OF SURFACE CASING:
TYPE OF SURFACE CASING:

RISER PIPE I.D.:
TYPE OF RISER PIPE:

BOREHOLE DIAMETER:

TYPE OF BACKFILL:

ELEVATION/DEPTH TOP OF SEAL: / 10'

TYPE OF SEAL: Bentonite

DEPTH TOP OF SAND PACK: ~~/~~ 13'

ELEVATION/DEPTH TOP OF SCREEN: / 20'

TYPE OF SCREEN: Stainless Steel

SLOT SIZE x LENGTH: NA

I.D. OF SCREEN: NA

TYPE OF SAND PACK: NA

ELEVATION/DEPTH BOTTOM OF SCREEN: / 24'

ELEVATION/DEPTH BOTTOM OF SAND PACK: / 25'
BACKFILL MATERIAL BELOW SAND: NA

ELEVATION/DEPTH OF HOLE: / 25'

ACAD:FORM_MWSU.dwg 07/28/99 INL

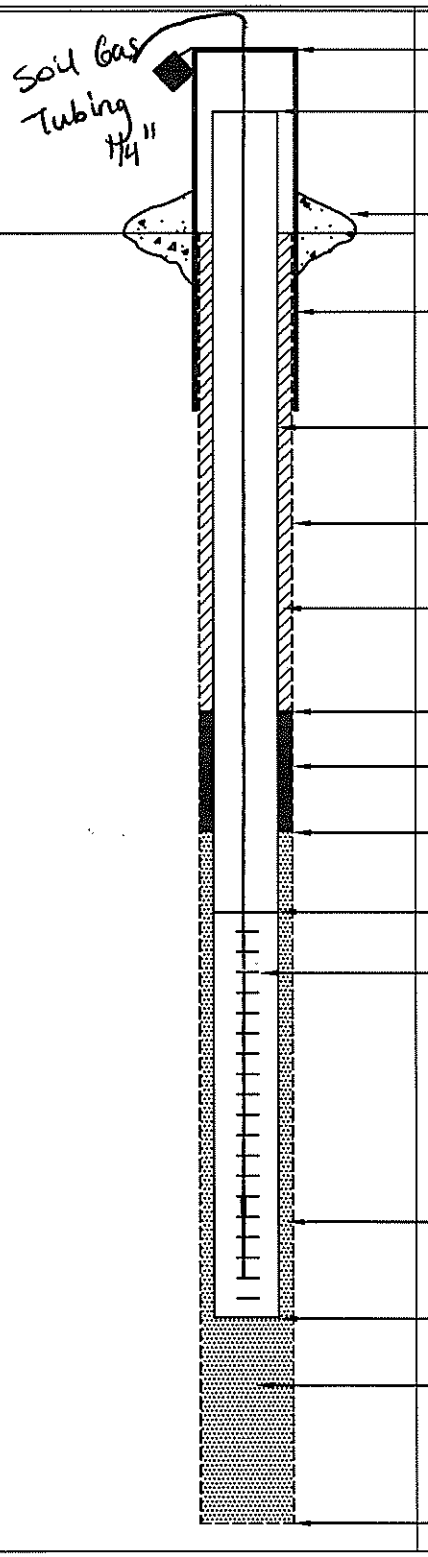
WELL NO.: SVPM-12

**Tetra Tech NUS, Inc.**

# OVERBURDEN
# MONITORING WELL SHEET
# STICK-UP

Retrofitting for Permanent Soil Gas Monitoring Point

| | | | |
|---|---|---|---|
| PROJECT NWIRP Bethpage | LOCATION Site 1 | DRILLER Luke Reiss | |
| PROJECT NO. C70-002 | BORING | DRILLING METHOD Geoprobe | |
| DATE BEGUN 1-22-08 | DATE COMPLETED 1-22-08 | | |
| FIELD GEOLOGIST | | DEVELOPMENT METHOD | |
| GROUND ELEVATION | DATUM | | |




ELEVATION/HEIGHT OF TOP OF SURFACE CASING: / NA

ELEVATION/HEIGHT OF TOP OF RISER PIPE: / NA

TYPE OF SURFACE SEAL: NA

I.D. OF SURFACE CASING:

TYPE OF SURFACE CASING:

RISER PIPE I.D.:

TYPE OF RISER PIPE:

BOREHOLE DIAMETER:

TYPE OF BACKFILL:

ELEVATION/DEPTH TOP OF SEAL: / 37'

TYPE OF SEAL: Bentonite

DEPTH TOP OF SAND PACK: 40'

ELEVATION/DEPTH TOP OF SCREEN: / 46'

TYPE OF SCREEN: Stainless steel

SLOT SIZE x LENGTH: NA

I.D. OF SCREEN: NA

TYPE OF SAND PACK: NA

ELEVATION/DEPTH BOTTOM OF SCREEN: / 50'

ELEVATION/DEPTH BOTTOM OF SAND PACK: / 52.1'

BACKFILL MATERIAL BELOW SAND: NA

ELEVATION/DEPTH OF HOLE: / 52.1'

ACAD:FORM_MWSU.dwg 07/20/99 INL

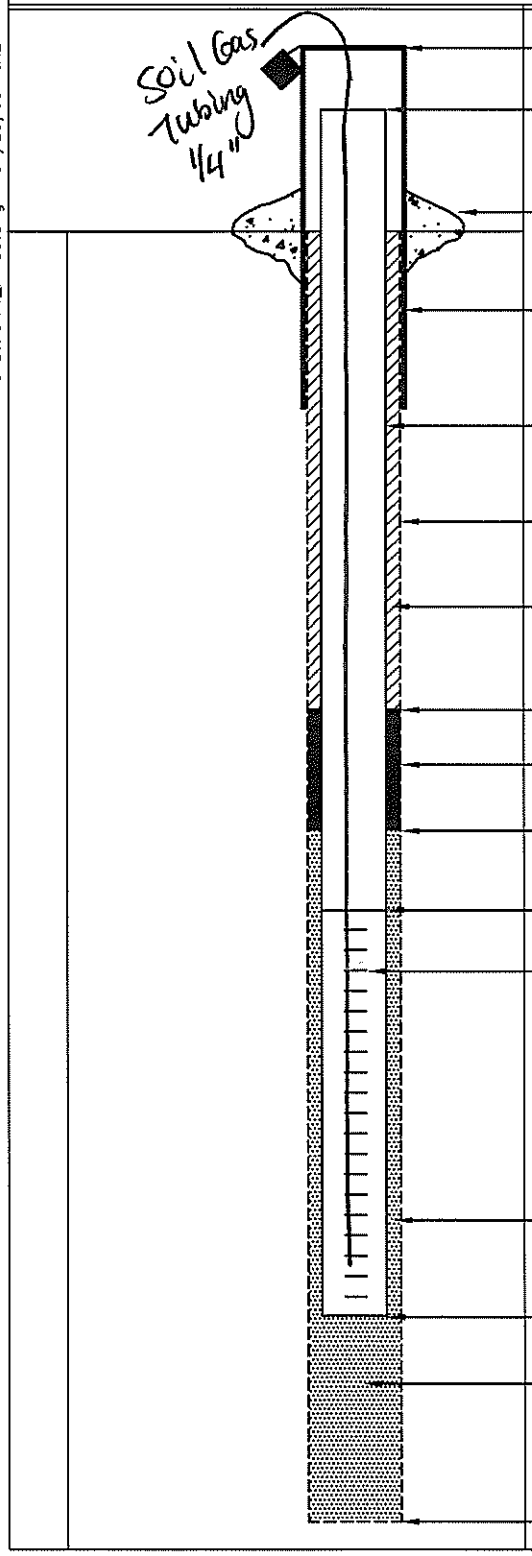
WELL NO.: SVPM-12S

# OVERBURDEN
# MONITORING WELL SHEET
# STICK-UP

**Tetra Tech NUS, Inc.** Retrofitting for Permanent Soil Gas Monitoring Point

| | | | |
|---|---|---|---|
| PROJECT NWIRP Bethpage | LOCATION Site 1 | DRILLER Luke Reiss | |
| PROJECT NO. CTO-WE02 | BORING | DRILLING METHOD Geoprobe | |
| DATE BEGUN 1-22-08 | DATE COMPLETED 1-22-08 | | |
| FIELD GEOLOGIST | | DEVELOPMENT METHOD | |
| GROUND ELEVATION | DATUM | | |

ACAD:FORM_MWSU.dwg 07/20/99 INL




ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /NA

ELEVATION/HEIGHT OF TOP OF RISER PIPE: / NA

TYPE OF SURFACE SEAL: NA

I.D. OF SURFACE CASING:

TYPE OF SURFACE CASING:

RISER PIPE I.D.:

TYPE OF RISER PIPE:

BOREHOLE DIAMETER:

TYPE OF BACKFILL:

ELEVATION/DEPTH TOP OF SEAL: / 12'

TYPE OF SEAL: Bentonite

DEPTH TOP OF SAND PACK: 15'

ELEVATION/DEPTH TOP OF SCREEN: / 21'

TYPE OF SCREEN: Stainless steel

SLOT SIZE x LENGTH: NA

I.D. OF SCREEN: NA

TYPE OF SAND PACK: NA

ELEVATION/DEPTH BOTTOM OF SCREEN: / 25'

ELEVATION/DEPTH BOTTOM OF SAND PACK: / 27.1'

BACKFILL MATERIAL BELOW SAND: NA

ELEVATION/DEPTH OF HOLE: / 27.1'

# APPENDIX C

# SOIL GAS SAMPLING LOG SHEETS

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-SG1001-07

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/24/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 1540 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | W | 30s | | | |

| | |
|---|---|
| **Summa Canister #** | 33939 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 1552 | in Hg -30 |
| **End Time Vacuum** | 1640 | in Hg -4 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 1543 | 1547 | 350 PPM |
| **Purge Data** | **Start** | **Stop** | |
| | 1540 | 1552 | |

**Readings:**

**Liters/minute**

.1989 @ 1543

.2076 @ 1547

.2001 @ 1532

**Notes:**

Soil Gas PID: 3.2 PPM

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



| | | | |
|---|---|---|---|
| **Project Site Name:** | NWIRP Bethpage Site 1 | **Sample ID No.:** | BPS1-SG1001-20 |
| **Project No.:** | 112GN9845 | **Sample Location:** | Site 1 |
| **C.O.C. No.:** | | **Sampled By:** | TR |

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/24/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 1556 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | W | 30s | | | |

| | |
|---|---|
| **Summa Canister #** | 4184 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 1612 | in Hg -30 |
| **End Time Vacuum** | 1700 | in Hg -4 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 1557 | 1600 | 50 PPM |
| **Purge Data** | **Start** | **Stop** | |
| | 1556 | 1611 | |

**Readings:**
**Liters/minute**
.1942 @ 1600
.1712 @ 1603
.1546 @ 1606
.1853 @ 1610

**Notes:**

PID battery dead

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-SG1001-40

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/25/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 0944 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | W | 40s | | | |

| | |
|---|---|
| **Summa Canister #** | 4069 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 0958 | in Hg -29 |
| **End Time Vacuum** | 1040 | in Hg -4 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 0948 | 0952 | 0.0 |
| **Purge Data** | **Start** | **Stop** | |
| | 0944 | 0957 | |

**Readings:**
**Liters/minute**
.1634 @ 0949
.1799 @ 0953
.1698 @ 0956

**Notes:**

PID battery dead

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-SG1002-08 & FD-012308

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/23/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 1459 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | SW | 30s | | | |

| | |
|---|---|
| **Summa Canister #** | 33681 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 1512 | in Hg -30 |
| **End Time Vacuum** | 1558 | in Hg -4 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 1501 | 1505 | 0.0 ppm |
| **Purge Data** | **Start** | **Stop** | |
| | 1459 | 1511 | |

**Readings:**
**Liters/minute**
.1916 @ 1501
.1816 @ 1506
.1972 @ 1509

**Notes:**

Soil Gas PID: 0.6 PPM

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-SG1002-20

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/24/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 0933 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | W | 30s | | | |

| | |
|---|---|
| **Summa Canister #** | 35154 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 0945 | in Hg >-30 |
| **End Time Vacuum** | 1357 | in Hg -5 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 0937 | 0940 | 0.0 ppm |
| **Purge Data** | **Start** | **Stop** | |
| | 0933 | 0945 | |

**Readings:**
**Liters/minute**
.1671 @ 0934
.2160 @ 0943
.1882 @ 0945

**Notes:**

Soil Gas PID: 2 PPM

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-SG1002-45

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/24/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 0951 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | W | 30s | | | |

| | |
|---|---|
| **Summa Canister #** | 4355 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 1004 | in Hg -30 |
| **End Time Vacuum** | 1050 | in Hg -4 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 0954 | 958 | 550 PPM |
| **Purge Data** | **Start** | **Stop** | |
| | 0951 | 1003 | |

**Readings:**
**Liters/minute**
.1857 @ 0953
.1952 @ 0959
.1926 @ 1003
**Notes:**

Soil Gas PID: 0.5 PPM

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-SG1003-05.5

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

| **SAMPLING DATA:** | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/22/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 1450 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | SW | 20's | | | |

| | |
|---|---|
| **Summa Canister #** | 4384 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 1506 | in Hg -29 |
| **End Time Vacuum** | 1552 | in Hg -4 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 1443 | 1448 | 0.0 ppm |
| **Purge Data** | **Start** | **Stop** | |
| | 1450 | 1505 | |

**Readings:**
**Liters/minute**
.1635 @ 1455
.2177 @ 1500
.2045 @ 1502

**Notes:**

Soil Gas PID: 0.2 PPM

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-SG1003-20

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/22/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 1521 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | SW | 20's | | | |

| | |
|---|---|
| **Summa Canister #** | 33965 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 1534 | Hg >-30 |
| **End Time Vacuum** | 1622 | Hg -4 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 1522 | 1527 | 400 ppm |
| **Purge Data** | **Start** | **Stop** | |
| | 1521 | 1533 | |

**Readings:**
**Liters/minute**
.1935 @ 1527
.2052 @ 1529
.2017 @ 1532
**Notes:**

Soil Gas PID: 0.0 PPM

Tetra Tech NUS, Inc.



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-SG1003-45
**Project No.:** 112GN9845 **Sample Location:** Site 1
**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/23/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 1009 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | SW | 30s | | | |

| | |
|---|---|
| **Summa Canister #** | 34350 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 1020 | in Hg -29.5 |
| **End Time Vacuum** | 1108 | in Hg -4 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 1013 | 1016 | 0.0 ppm |
| **Purge Data** | **Start** | **Stop** | |
| | 1009 | 1020 | |

**Readings:**
**Liters/minute**
.1829 @ 1010
.2535 @ 1016
.1907 @ 1019
**Notes:**

Soil Gas PID: 1.8 PPM

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-SG1004-05.5
**Project No.:** 112GN9845 **Sample Location:** Site 1
**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | Wind speed | Wind Direction | Ambient temperature | Barometric Pressure | Relative Humidity | Other |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/22/2008 | | | | | | |
| **Time:** | 0923 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | SW | 20's | | | |

| | |
|---|---|
| **Summa Canister #** | 33940 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time/Vacuum** | 0938 | in Hg -30 |
| **End Time/Vacuum** | 1021 | in Hg -4 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 0924 | 0929 | <10% |
| **Purge Data** | **Start** | **Stop** | |
| | 0923 | 0938 | |

**Readings:**
**Liters/minute**
.1325 @ 0925
.1455 @ 0933
.1614 @ 0937

Soil Gas PID: 0.2 PPM

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-SG1004-22
**Project No.:** 112GN9845 **Sample Location:** Site 1
**C.O.C. No.:** **Sampled By:** TR

| SAMPLING DATA: | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/22/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 1038 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | SW | 20's | | | |

| | |
|---|---|
| **Summa Canister #** | 95680 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 1054 | in Hg >-30 |
| **End Time Vacuum** | 1140 | in Hg -5 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 1038 | 1042 | 0.0 ppm |
| **Purge Data** | **Start** | **Stop** | |
| | 1038 | 1053 | |

**Readings:**
**Liters/minute**
.1747 @ 1041
.1749 @ 1044

**Notes:**

Soil Gas PID: 0.2 PPM

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-SG1004-46

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/25/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 0814 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | W | 40s | | | |

| | |
|---|---|
| **Summa Canister #** | 937 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 0826 | in Hg -30 |
| **End Time Vacuum** | 0930 | in Hg -4 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 0820 | 0824 | 0.0 |
| **Purge Data** | **Start** | **Stop** | |
| | 0814 | 826 | |

**Readings:**
**Liters/minute**
.1426 @ 0814
.1606 @ 0820
.1677 @ 0826

**Notes:**

PID battery dead

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-SG1005-08

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/28/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 1309 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | W | 40s | | | |

| | |
|---|---|
| **Summa Canister #** | 1 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 1321 | in Hg -30 |
| **End Time Vacuum** | 1410 | in Hg -3.5 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 1312 | 1315 | 850 ppm |
| **Purge Data** | **Start** | **Stop** | |
| | 1309 | 1321 | |

**Readings:**
**Liters/minute**
.1556 @ 1310
.1717 @ 1314
.1905 @ 1316
.2005 @ 1320

**Notes:**

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-SG1005-20

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/28/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 1158 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | W | 40s | | | |

| | |
|---|---|
| **Summa Canister #** | 3710 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 1211 | in Hg -29.5 |
| **End Time Vacuum** | 1304 | in Hg -3.5 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 1200 | 1213 | 125 ppm |
| **Purge Data** | **Start** | **Stop** | |
| | 1158 | 1211 | |

**Readings:**

**Liters/minute**

.1506 @ 1158
.1469 @ 1202
.1448 @ 1205
.1561 @ 1208
.1563 @ 1211

**Notes:**

PID battery dead

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-SG1005-45

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/28/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 1139 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | W | 40s | | | |

| | |
|---|---|
| **Summa Canister #** | 14008 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 1151 | in Hg -28.5 |
| **End Time Vacuum** | 1233 | in Hg -3.5 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 1142 | 1145 | 75 ppm |
| **Purge Data** | **Start** | **Stop** | |
| | 1139 | 1151 | |

**Readings:**

**Liters/minute**

.1584 @ 1139

.2073 @ 1145

.1633 @ 1148

.1584 @ 1150

**Notes:**

PID battery dead

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-SG1006-07

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/29/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 0848 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | W | 30s | | | |

| | |
|---|---|
| **Summa Canister #** | 22504 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 0900 | in Hg -30 |
| **End Time Vacuum** | 0948 | in Hg -4 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 0851 | 0854 | 0.0 |
| **Purge Data** | **Start** | **Stop** | |
| | 0848 | 0900 | |

**Readings:**

**Liters/minute**

.1508 @ 0850

.1656 @ 0853

.1982 @ 0858

.2007 @ 0900

**Notes:**

PID battery dead

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-SG1006-20

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/28/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 1550 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | W | 40s | | | |

| | |
|---|---|
| **Summa Canister #** | 31139 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 1603 | in Hg -30 |
| **End Time Vacuum** | 1704 | in Hg -3.5 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 1553 | 1555 | 0.0 |
| **Purge Data** | **Start** | **Stop** | |
| | 1550 | 1603 | |

**Readings:**
**Liters/minute**
.1642 @ 1551
.1360 @ 1556
.1639 @ 1558
.1599 @ 1602

**Notes:**

PID battery dead

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-SG1006-45

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/28/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 1534 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | W | 40s | | | |

| | |
|---|---|
| **Summa Canister #** | 33944 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 1549 | in Hg -30 |
| **End Time Vacuum** | 1640 | in Hg -4 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 1538 | 1541 | 125 ppm |
| **Purge Data** | **Start** | **Stop** | |
| | 1534 | 1549 | |

**Readings:**
**Liters/minute**
.2184 @ 1537
.1168 @ 1540
.1385 @ 1544
.1513 @ 1548

**Notes:**

PID battery dead

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** SVPM11S-24
**Project No.:** 112GN9845 **Sample Location:** Site 1
**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/23/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 1332 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | SW | 30s | | | |

| | |
|---|---|
| **Summa Canister #** | 34427 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 1345 | in Hg -30 |
| **End Time Vacuum** | 1432 | in Hg -4 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 1334 | 1339 | 1125 |
| **Purge Data** | **Start** | **Stop** | |
| | 1332 | 1344 | |

**Readings:**
**Liters/minute**
.1505 @ 1333
.1936 @ 1339
.1788 @ 1342
**Notes:**

Soil Gas PID: 3.0 PPM

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** SVPM11-49
**Project No.:** 112GN9845 **Sample Location:** Site 1
**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/23/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 1411 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | SW | 30s | | | |

| | |
|---|---|
| **Summa Canister #** | 34455 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 1426 | in Hg -30 |
| **End Time Vacuum** | 1578 | in Hg -3.5 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 1413 | 1418 | 525 |
| **Purge Data** | **Start** | **Stop** | |
| | 1411 | 1426 | |

**Readings:**
**Liters/minute**
1682 @ 1413
.1353 @ 1419
.1215 @ 1423

**Notes:**

Soil Gas PID: 0.9 PPM

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** SVPM12S-25
**Project No.:** 112GN9845 **Sample Location:** Site 1
**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/23/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 0815 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | SW | 30s | | | |

| | |
|---|---|
| **Summa Canister #** | 94611 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 0829 | in Hg -28.5 |
| **End Time Vacuum** | 0917 | in Hg -4 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 0821 | 0826 | 150 ppm |
| **Purge Data** | **Start** | **Stop** | |
| | 0815 | 0827 | |

**Readings:**
**Liters/minute**
.2120 @ 0819
.1879 @ 0825
.1903 @ 0827
**Notes:**

Soil Gas PID: 9.0 PPM

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** SVPM12-50
**Project No.:** 112GN9845 **Sample Location:** Site 1
**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | Wind speed | Wind Direction | Ambient temperature | Barometric Pressure | Relative Humidity | Other |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/23/2008 | | | | | | |
| **Time:** | 0830 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | SW | 30s | | | |

| | |
|---|---|
| **Summa Canister #** | 9408 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 0843 | in Hg -28.5 |
| **End Time Vacuum** | 0930 | in Hg -3.5 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 0831 | 0835 | 25 ppm |
| **Purge Data** | **Start** | **Stop** | |
| | 0830 | 0842 | |

**Readings:**
**Liters/minute**
.2219 @ 0833
.1633 @ 0836
.1713 @ 0838

**Notes:**

Soil Gas PID: 2.8 PPM

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-FB1001-00

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/22/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 0900 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | SW | 20's | | | |

| | |
|---|---|
| **Summa Canister #** | 33882 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 0900 | in Hg -30 |
| **End Time Vacuum** | 1628 | in Hg -8 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| N/A | | | n/a |
| **Purge Data** | **Start** | **Stop** | |
| N/A | | | |

**Readings:**

**Notes:**

| Canister check | |
|---|---|
| Time | in Hg |
| 1000 | -24 |
| 1113 | -16 |
| 1503 | -11 |

Field blank placed 20-50 feet upwind of west of sample BPS1-SG1004-05.5, BPS1-SG1004-22, BPS1-SG1003-05.5, BPS1-SG1003-20

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-FB1002-00

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Date:** | 1/23/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | **PID** | Other |
| **Time:** | 0749 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | (ppm) | |
| **Method:** | Soil Gas | 5-10 mph | SW | 30s | | | | |

| | |
|---|---|
| **Summa Canister #** | 34752 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 0749 | in Hg -30 |
| **End Time Vacuum** | 1600 | in Hg -5.5 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| | 1522 | 1527 | 400 ppm |
| **Purge Data** | **Start** | **Stop** | |
| | 1450 | 1505 | |

**Readings:**

**Notes:**

**Canister Check**

| Time | in Hg |
|---|---|
| 0850 | -26 |
| 1030 | -19.5 |
| 1340 | -10 |
| 1440 | -8.5 |
| 1600 | -5.5 |

Field blank placed 20-50 feet upwind of west of sample SVPM12S-25, SVPM12S-50, BPS1-SG1003-45, SVPM-11S-24, SVPM11-49, BPS1-SG1002-08

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-FB1003-00
**Project No.:** 112GN9845 **Sample Location:** Site 1
**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Date:** | 1/24/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | **PID** | Other |
| **Time:** | 0924 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | (ppm) | |
| **Method:** | Soil Gas | 5-10 mph | W | 30s | | | | |

| | |
|---|---|
| **Summa Canister #** | 34370 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 0924 | in Hg >-30 |
| **End Time Vacuum** | 1700 | in Hg -6.5 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| N/A | | | |
| **Purge Data** | **Start** | **Stop** | |
| N/A | | | |

**Readings:**

**Notes:**

| canister checks | time | in Hg | |
|---|---|---|---|
| | 1026 | -27 | Field blank placed 20-50 feet upwind of west of sample BPS1-SG1002-20, BPS1-SG1002-45, BPS1-SG1001-07, BPS1-SG1001-20 |
| | 1300 | -17 | |
| | 1400 | -13.5 | |
| | 1500 | -10.5 | |
| | 1614 | -8 | |
| | 1700 | -6.5 | |

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



| | | | |
|---|---|---|---|
| **Project Site Name:** | NWIRP Bethpage Site 1 | **Sample ID No.:** | BPS1-FB1004-00 |
| **Project No.:** | 112GN9845 | **Sample Location:** | Site 1 |
| **C.O.C. No.:** | | **Sampled By:** | TR |

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/25/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 0804 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | W | 40s | | | |

| | |
|---|---|
| **Summa Canister #** | 33968 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 0804 | in Hg -30 |
| **End Time Vacuum** | 1046 | in Hg -20 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| N/A | | | |
| **Purge Data** | **Start** | **Stop** | |
| N/A | | | |

**Readings:**

**Notes:**

canister check

| time | in Hg |
|---|---|
| 0938 | 25.5 |

Field blank placed 20-50 feet upwind of west of sample BPS1-SG1004-46, BPS1-SG1001-40,

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-FB1005-00

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/28/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 1113 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | W | 40s | | | |

| | |
|---|---|
| **Summa Canister #** | 34419 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 1113 | in Hg -30 |
| **End Time Vacuum** | 1411 | in Hg -2 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| N/A | | | |
| **Purge Data** | **Start** | **Stop** | |
| N/A | | | |

**Readings:**

**Notes:**

| canister checks | time | in Hg | |
|---|---|---|---|
| | 1205 | -17 | Field blank placed 20-50 feet upwind of west of sample BPS1-SG1005-45, BPS1-SG1005-20, BPS1-SG1005-08, BPS1-SG1006-45, **BPS1-SG1006-20** |
| | 1253 | -9 | |
| | 1335 | -4.5 | |
| | 1351 | -3 | |
| | 1411 | -2 | |

Tetra Tech NUS, Inc. **SOIL GAS SAMPLE LOG SHEET**



**Project Site Name:** NWIRP Bethpage Site 1 **Sample ID No.:** BPS1-FB1006-00

**Project No.:** 112GN9845 **Sample Location:** Site 1

**C.O.C. No.:** **Sampled By:** TR

**SAMPLING DATA:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Date:** | 1/29/2008 | **Wind speed** | **Wind Direction** | **Ambient temperature** | **Barometric Pressure** | **Relative Humidity** | Other |
| **Time:** | 0830 | (Visual) | (S.U.) | ($^0$C) | ($^0$C) | (%) | |
| **Method:** | Soil Gas | 5-10 mph | W | 30s | | | |

| | |
|---|---|
| **Summa Canister #** | 423 |
| **Filter Type** | 2 uM |

| | | |
|---|---|---|
| **Start Time Vacuum** | 0830 | in Hg -30 |
| **End Time Vacuum** | 0955 | in Hg -24 |

| **He check** | **Start** | **Stop** | **Reading** |
|---|---|---|---|
| N/A | | | |
| **Purge Data** | **Start** | **Stop** | |
| N/A | | | |

**Readings:**

**Notes:**

Field blank placed 20-50 feet upwind of west of sample BPS1-SG1006-07

**APPENDIX D**

**CHAIN OF CUSTODY RECORDS**

# Air Toxics LTD.

## CHAIN-OF-CUSTODY RECORD

**Sample Transportation Notice**
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180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020



Project Manager: DAVE BRAYACK (757) 461-3824
**Collected by:** (Print and Sign) TERRY ROJAHN
Company: TETRA TECH Email: terry.rojahn@tetratech.com
Address: 661 ANDERSEN DRIVE City: PITTSBURGH State: PA Zip: 15220
Phone: (412) 921-7090 Fax: (412) 921-4040

**Project Info:**
P.O. #
Project # 112GN9845
Project Name: NWIRP BETHPAGE

**Turn Around Time:**
☒ Normal
☐ Rush
specify

*Lab Use Only*
Pressurized by:
Date:
Pressurization Gas: $N_2$ He

| Lab I.D. | Field Sample I.D. (Location) | Can # | Date of Collection | Time of Collection | Analyses Requested | Canister Pressure/Vacuum Initial | Final | Receipt | Final (psi) |
|---|---|---|---|---|---|---|---|---|---|
| 01AB | BPSI-FB1001-00 | 33882 | 1-22 | 0900 | TO15 | -30 | -8 | | |
| 02AB | BPSI-SG1004-05.5 | 33940 | 1-22 | 0938 | TO15 | -30 | -4 | | |
| 03AB | BPSI-SG1004-22 | 95680 | 1-22 | 1054 | TO15 | >-30 | -5 | | |
| 04AB | BPSI-SG1003-05.5 | 4384 | 1-22 | 1506 | TO15 | -29 | -4 | | |
| 05AB | BPSI-SG1003-20 | 33965 | 1-22 | 1534 | TO15 | >-30 | -4 | | |
| 06AB | SVPM12S-25 | 94611 | 1-23 | 0829 | TO15 | 28.5 | -4 | | |
| 07AB | SVPM12-50 | 9408 | 1-23 | 0843 | TO15 | 28.5 | -3.5 | | |
| 08AB | BPSI-FB1002-00 | 34752 | 1-23 | 0749 | TO15 | -30 | -5.5 | | |
| 09AB | BPSI-SG1003-45 | 34350 | 1-23 | 1019 | TO15 | -29.5 | -4 | | |
| 10AB | SVPM11S-24 | 34427 | 1-23 | 1345 | TO15 | >-30 | -4 | | |

| Relinquished by: (signature) | Date/Time | Received by: (signature) | Date/Time |
|---|---|---|---|
| Terry Rojahn | 1/23/08 1800 | FED. EXPRESS | 1-23-08 1800 |
| Relinquished by: (signature) | Date/Time | Received by: (signature) | Date/Time |
| | | AIR | 01/24/08 10:20 |
| Relinquished by: (signature) | Date/Time | Received by: (signature) | Date/Time |
| | | | |

**Notes:**
AB # 8626 9924 2644
SHIPPED W/TETRA TECH
COC # 112GN9845-01

| Lab Use Only | Shipper Name | Air Bill # | Temp (°C) | Condition | Custody Seals Intact? | Work Order # |
|---|---|---|---|---|---|---|
| | Fedex | 8626 9924 2644 | NA | Good | (Yes) No None | 0801438 |

Form 1288 rev.11

D-1

TETRA TECH NUS, INC. CHAIN OF CUSTODY NUMBER 112GN9845-01 PAGE 1 OF 1

08 01438

| | | |
|---|---|---|
| PROJECT NO: 112GN9845 (CTO 002) | SITE NAME: NWIRP BETHPAGE | PROJECT MANAGER AND PHONE NUMBER: DAVID BRAYACK (757) 461-3824 |
| SAMPLERS (SIGNATURE): Terry Nash | | FIELD OPERATIONS LEADER AND PHONE NUMBER: T. ROJAHN (412) 921-7090 |
| | | CARRIER/WAYBILL NUMBER: FED. EX AB# 8626 9924 2644 |
| LABORATORY NAME AND CONTACT: AIR TOXICS LTD | | |
| ADDRESS: 180 BLUE RAVINE ROAD SUITE B | | |
| CITY, STATE: FOLSOM, CA 95630-4719 | | |

STANDARD TAT ☒
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

| DATE 2008 / YEAR | TIME | SAMPLE ID | MATRIX | GRAB (G) COMP (C) | No. OF CONTAINERS | CONTAINER TYPE METAL (M) PLASTIC (P) or GLASS (G) | PRESERVATIVE USED | TYPE OF ANALYSIS TO IS SUMMA CANISTER | INITIAL CANISTER VACUUM | FINAL CANISTER VACUUM | CANISTER ID | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/23 | 1426 | SVPM11-49 | GAS | G | 1 | M | | 1 | >-30 | -3.5 | 34455 | |
| 1/23 | 1512 | BPS1-SG1002-08 | GAS | G | 1 | M | | 1 | >-30 | -4 | 25256 | |
| 1/23 | 0000 | FD-012308 | GAS | G | 1 | M | | 1 | >-30 | -4 | 33681 | |

| | DATE | TIME | | DATE | TIME |
|---|---|---|---|---|---|
| 1. RELINQUISHED BY: Terry Nash | 1-23-08 | 1800 | 1. RECEIVED BY: FEDERAL EXPRESS | 1-23-08 | 1800 |
| 2. RELINQUISHED BY | DATE | TIME | 2. RECEIVED BY | 01/24/08 | 10:10 |
| 3. RELINQUISHED BY | DATE | TIME | 3. RECEIVED BY | DATE | TIME |

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

3/99
FORM NO. TINJS-001

D-2

# Air Toxics LTD.

## CHAIN-OF-CUSTODY RECORD

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180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020



Project Manager DAVE BRAYACK (757)461-3824
Collected by: (Print and Sign) TERRY ROJAHN
Company TETRA TECH NUS Email terry.rojahn@tetratech.com
Address 661 ANDERSEN Dr. City Pittsburgh State PA Zip 15220
Phone (412)921-7090 Fax (412)921-4040

**Project Info:**
P.O. #
Project # 112GN9945
Project Name NWIRP BETHPAGE

**Turn Around Time:**
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by:
Date:
Pressurization Gas: $N_2$ He

| Lab I.D. | Field Sample I.D. (Location) | Can # | Date of Collection | Time of Collection | Analyses Requested | Canister Pressure/Vacuum Initial | Final | Receipt | Final (psig) |
|---|---|---|---|---|---|---|---|---|---|
| 04A 04AB | BPSI-FB1003-00 | 34370 | 1/24 | 0924 | TO15 | >-30 | -6.5 | | |
| 02A 02AB | BPSI-SG1002-20 | 35154 | 1/24 | 0945 | TO15 | >-30 | -5 | | |
| 03A 03AB | BPSI-SG1002-45 | 4355 | 1/24 | 1004 | TO15 | -30 | -4 | | |
| 04A 04AB | BPSI-SG1001-07 | 35939 | 1/24 | 1552 | TO15 | -30 | -4 | | |
| 05A 05AB | BPSI-SG1001-20 | 4184 | 1/24 | 1612 | TO15 | >-30 | -4 | | |
| 06A 06AB | BPSI-SG1004-46 | 937 | 1/25 | 0826 | TO15 | >-30 | -4 | | |
| 07A 07AB | BPSI-SG1001-40 | 4069 | 1/25 | 0958 | TO15 | -29 | -4 | | |
| 08A 08AB | BPSI-FB1004-00 | 33968 | 1/25 | 0804 | TO15 | >-30 | -20 | | |
| mw 2/7/07 | | | | | | | | | |
| | | | | | | | | | |

| Relinquished by: (signature) | Date/Time | Received by: (signature) | Date/Time |
|---|---|---|---|
| Terry Rojahn | 1-25-08/1300 | FEDERAL EXPRESS | 1/25/08@1300 |
| Relinquished by: (signature) | Date/Time | Received by: (signature) | Date/Time |
| | | ATL 01/28/08 | 900 |
| Relinquished by: (signature) | Date/Time | Received by: (signature) | Date/Time |
| | | | |

**Notes:**
FED EX. AB## 8626 9924 2600

| Lab Use Only | Shipper Name | Air Bill # | Temp (°C) | Condition | Custody Seals Intact? | Work Order # |
|---|---|---|---|---|---|---|
| | Fedex | | na | Good | (Yes) No None | 0801181 |

Form 1255 rev 11

D-3

# Air Toxics LTD.

## CHAIN-OF-CUSTODY RECORD

**Sample Transportation Notice**
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180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020



Project Manager DAVE BRAYACK (757) 461-3824
**Collected by:** (Print and Sign) TERRY ROJAHN
Company TETRA TECH NUS E-mail terry.rojahn@tetratech.com
Address 661 ANDERSEN DR. City Pittsburgh State PA Zip 15220
Phone (412) 921-7090 Fax (412) 921-4040

**Project Info:**
P.O. # _____
Project # 112GN9845
Project Name NWIRP BETHPAGE

**Turn Around Time:**
☒ Normal
☐ Rush
_____ specify

*Lab Use Only*
Pressurized by: _____
Date: _____
Pressurization Gas: $N_2$ He

| Lab I.D. | Field Sample I.D. (Location) | Can # | Date of Collection | Time of Collection | Analyses Requested | Canister Pressure/Vacuum Initial | Final | Receipt | Final (psig) |
|---|---|---|---|---|---|---|---|---|---|
| 01AB | BPSI-FB1005-00 | 34419 | 1-28-08 | 1113 | TO15 | >-30 | -2 | | |
| 02AB | BPSI-SG1005-45 | 14008 | 1-28-08 | 1151 | TO15 | -28.5 | -3.5 | | |
| 03AB | BPSI-SG1005-20 | 3710 | 1-28-08 | 1211 | TO15 | -29.5 | -3.5 | | |
| 04AB | BPSI-SG1005-08 | 1 | 1-28-08 | 1321 | TO15 | >-30 | -3.5 | | |
| 05AB | BPSI-SG1006-45 | 33944 | 1-28-08 | 1549 | TO15 | >-30 | -4 | | |
| 06AB | BPSI-SG1006-20 | 31139 | 1-28-08 | 1603 | TO15 | >-30 | -3.5 | | |
| 07AB | BPSI-FB1006-00 | 423 | 1-29-08 | 0830 | TO15 | -30 | -24 | | |
| 08AB | BPSI-SG1006-07 | 22504 | 1-29-08 | 0900 | TO15 | >-30 | -4 | | |
| | | | | | | | | | |
| | | | | | | | | | |

| Relinquished by: (signature) | Date/Time | Received by: (signature) | Date/Time |
|---|---|---|---|
| Terry Rojahn | 1/29/08 @1600 | FEDERAL EXPRESS | 1/29/08 @1600 |
| Relinquished by: (signature) | Date/Time | Received by: (signature) | Date/Time |
| | | ATL | 01/30/08 10:30 |
| Relinquished by: (signature) | Date/Time | Received by: (signature) | Date/Time |
| | | | |

**Notes:**
FED EX AB#
8626 9924 2611

| Lab Use Only | Shipper Name | Air Bill # | Temp (°C) | Condition | Custody Seals Intact? | Work Order # |
|---|---|---|---|---|---|---|
| | Fedex | | na | Good | Yes / No / None | 0801530 |

Form 1299 rev.11

# APPENDIX E

# DATA ANALYTICAL REPORT

AN ENVIRONMENTAL ANALYTICAL LABORATORY

# Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

**180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630**

**(916) 985-1000 .FAX (916) 985-1020**
**Hours 8:00 A.M to 6:00 P.M. Pacific**

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

# WORK ORDER #: 0801481B

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. David Brayack<br>Tetra Tech<br>Twin Oaks I, Suite 309<br>5700 Lake Wright Drive<br>Norfolk, VA 23502 | **BILL TO:** | Accounts Payable/Pittsburg<br>Tetra Tech EC, Inc.<br>Foster Plaza 7<br>661 Anderson Drive<br>Pittsburgh, PA 15220-2745 |
| **PHONE:** | (757) 461-3824 | **P.O. #** | |
| **FAX:** | (757) 461-4148 | **PROJECT #** | 112GN9845 NWIRP BETHPAGE |
| **DATE RECEIVED:** | 01/28/2008 | **CONTACT:** | Bryanna Langley |
| **DATE COMPLETED:** | 02/08/2008 | | |

| FRACTION # | NAME | TEST | RECEIPT VAC./PRES. | FINAL PRESSURE |
|---|---|---|---|---|
| 04A | BPSI-SG1001-07 | Modified TO-15 | 0.0 "Hg | 5 psi |
| 05A | BPSI-SG1001-20 | Modified TO-15 | 0.0 "Hg | 5 psi |
| 07A | BPSI-SG1001-40 | Modified TO-15 | 1.5 "Hg | 5 psi |
| 08A | Lab Blank | Modified TO-15 | NA | NA |
| 09A | CCV | Modified TO-15 | NA | NA |
| 10A | LCS | Modified TO-15 | NA | NA |

CERTIFIED BY: Linda D. Frumarx DATE: 02/08/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards



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**LABORATORY NARRATIVE**
**Modified TO-15**
**Tetra Tech**
**Workorder# 0801481B**

Three 6 Liter Summa Canister (100% Certified) samples were received on January 28, 2008. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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 with two allowed out up to </=40%.; flag and narrate outliers |
| 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

There were no receiving discrepancies.

## Analytical Notes

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.

Sample BPSI-SG1001-07, BPSI-SG1001-20 and BPSI-SG1001-40 were transferred from SIM/Low Level analysis to full scan TO-15 due to high levels of target compounds.

## 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 no 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. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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**Hours 8:00 A.M to 6:00 P.M. Pacific**

# WORK ORDER #: 0801481

Work Order Summary


**CLIENT:** Mr. David Brayack
Tetra Tech
Twin Oaks I, Suite 309
5700 Lake Wright Drive
Norfolk, VA 23502

**PHONE:** (757) 461-3824
**FAX:** (757) 461-4148


**DATE RECEIVED:** 01/28/2008
**DATE COMPLETED:** 02/08/2008

**BILL TO:** Accounts Payable/Pittsburg
Tetra Tech EC, Inc.
Foster Plaza 7
661 Anderson Drive
Pittsburgh, PA 15220-2745

**P.O. #**
**PROJECT #** 112GN9845 NWIRP BETHPAGE
**CONTACT:** Bryanna Langley

| FRACTION # | NAME | TEST | RECEIPT VAC./PRES. | FINAL PRESSURE |
|---|---|---|---|---|
| 01A | BPSI-FB1003-00 | Modified TO-15 | 4.5 "Hg | 5 psi |
| 01B | BPSI-FB1003-00 | Modified TO-15 | 4.5 "Hg | 5 psi |
| 02A | BPSI-SG1002-20 | Modified TO-15 | 2.5 "Hg | 5 psi |
| 02B | BPSI-SG1002-20 | Modified TO-15 | 2.5 "Hg | 5 psi |
| 03A | BPSI-SG1002-45 | Modified TO-15 | 1.5 "Hg | 5 psi |
| 03B | BPSI-SG1002-45 | Modified TO-15 | 1.5 "Hg | 5 psi |
| 06A | BPSI-SG1004-46 | Modified TO-15 | 0.4psi | 5 psi |
| 06B | BPSI-SG1004-46 | Modified TO-15 | 0.4psi | 5 psi |
| 08A | BPSI-FB1004-00 | Modified TO-15 | 16.5 "Hg | 5 psi |
| 08B | BPSI-FB1004-00 | Modified TO-15 | 16.5 "Hg | 5 psi |
| 09A | Lab Blank | Modified TO-15 | NA | NA |
| 09B | Lab Blank | Modified TO-15 | NA | NA |
| 09C | Lab Blank | Modified TO-15 | NA | NA |
| 09D | Lab Blank | Modified TO-15 | NA | NA |
| 10A | CCV | Modified TO-15 | NA | NA |
| 10B | CCV | Modified TO-15 | NA | NA |
| 10C | CCV | Modified TO-15 | NA | NA |

Continued on next page

# WORK ORDER #: 0801481

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. David Brayack<br>Tetra Tech<br>Twin Oaks I, Suite 309<br>5700 Lake Wright Drive<br>Norfolk, VA 23502 | **BILL TO:** | Accounts Payable/Pittsburg<br>Tetra Tech EC, Inc.<br>Foster Plaza 7<br>661 Anderson Drive<br>Pittsburgh, PA 15220-2745 |
| **PHONE:** | (757) 461-3824 | **P.O. #** | |
| **FAX:** | (757) 461-4148 | **PROJECT #** | 112GN9845 NWIRP BETHPAGE |
| **DATE RECEIVED:** | 01/28/2008 | **CONTACT:** | Bryanna Langley |
| **DATE COMPLETED:** | 02/08/2008 | | |

| FRACTION # | NAME | TEST | RECEIPT VAC./PRES. | FINAL PRESSURE |
|---|---|---|---|---|
| 10D | CCV | Modified TO-15 | NA | NA |
| 11A | LCS | Modified TO-15 | NA | NA |
| 11B | LCS | Modified TO-15 | NA | NA |
| 11C | LCS | Modified TO-15 | NA | NA |
| 11D | LCS | Modified TO-15 | NA | NA |

CERTIFIED BY: Linda J. Frumar DATE: 02/08/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards



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AN ENVIRONMENTAL ANALYTICAL LABORATORY

**LABORATORY NARRATIVE**
**Modified TO-15 Full Scan/SIM**
**Tetra Tech**
**Workorder# 0801481**

Five 6 Liter Summa Canister (100% Certified) samples were received on January 28, 2008. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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* |
|---|---|---|
| ICAL %RSD acceptance criteria | </=30% RSD with 2 compounds allowed out to < 40% RSD | For Full Scan:<br>30% RSD with 4 compounds allowed out to < 40% RSD<br><br>For SIM:<br>Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD |
| Daily Calibration | +- 30% Difference | For Full Scan:<br></= 30% Difference with four allowed out up to </=40%.; flag and narrate outliers<br><br>For SIM:<br>Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers |
| Blank and standards | Zero air | Nitrogen |
| 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

There were no receiving discrepancies.

## Analytical Notes

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

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 (at the Reporting Limit) 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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

# Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

**180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630**

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**Hours 8:00 A.M to 6:00 P.M. Pacific**

# WORK ORDER #: 0801438A

Work Order Summary

**CLIENT:** Mr. David Brayack
Tetra Tech
Twin Oaks I, Suite 309
5700 Lake Wright Drive
Norfolk, VA 23502

**PHONE:** (757) 461-3824
**FAX:** (757) 461-4148

**DATE RECEIVED:** 01/24/2008
**DATE COMPLETED:** 02/06/2008

**BILL TO:** Accounts Payable/Pittsburg
Tetra Tech EC, Inc.
Foster Plaza 7
661 Anderson Drive
Pittsburgh, PA 15220-2745

**P.O. #**
**PROJECT #** 112GN9845 NWIRP BETHPAGE
**CONTACT:** Bryanna Langley

| FRACTION # | NAME | TEST | RECEIPT VAC./PRES. | FINAL PRESSURE |
|---|---|---|---|---|
| 01A | BPSI-FB1001-00 | Modified TO-15 | 4.5 "Hg | 5 psi |
| 01B | BPSI-FB1001-00 | Modified TO-15 | 4.5 "Hg | 5 psi |
| 02A | BPSI-SG1004-05.5 | Modified TO-15 | 1.5 "Hg | 5 psi |
| 02B | BPSI-SG1004-05.5 | Modified TO-15 | 1.5 "Hg | 5 psi |
| 03A | BPSI-SG1004-22 | Modified TO-15 | 0.5 "Hg | 5 psi |
| 03B | BPSI-SG1004-22 | Modified TO-15 | 0.5 "Hg | 5 psi |
| 04A | BPSI-SG1003-05.5 | Modified TO-15 | 0.5 "Hg | 5 psi |
| 04B | BPSI-SG1003-05.5 | Modified TO-15 | 0.5 "Hg | 5 psi |
| 05A | BPSI-SG1003-20 | Modified TO-15 | 0.5 "Hg | 5 psi |
| 05B | BPSI-SG1003-20 | Modified TO-15 | 0.5 "Hg | 5 psi |
| 08A | BPSI-FB1002-00 | Modified TO-15 | 3.0 "Hg | 5 psi |
| 08B | BPSI-FB1002-00 | Modified TO-15 | 3.0 "Hg | 5 psi |
| 09A | BPSI-SG1003-45 | Modified TO-15 | 1.5 "Hg | 5 psi |
| 09B | BPSI-SG1003-45 | Modified TO-15 | 1.5 "Hg | 5 psi |
| 10A | Lab Blank | Modified TO-15 | NA | NA |
| 10B | Lab Blank | Modified TO-15 | NA | NA |
| 10C | Lab Blank | Modified TO-15 | NA | NA |

Continued on next page

AN ENVIRONMENTAL ANALYTICAL LABORATORY

# WORK ORDER #: 0801438A

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. David Brayack<br>Tetra Tech<br>Twin Oaks I, Suite 309<br>5700 Lake Wright Drive<br>Norfolk, VA 23502 | **BILL TO:** | Accounts Payable/Pittsburg<br>Tetra Tech EC, Inc.<br>Foster Plaza 7<br>661 Anderson Drive<br>Pittsburgh, PA 15220-2745 |
| **PHONE:** | (757) 461-3824 | **P.O. #** | |
| **FAX:** | (757) 461-4148 | **PROJECT #** | 112GN9845 NWIRP BETHPAGE |
| **DATE RECEIVED:** | 01/24/2008 | **CONTACT:** | Bryanna Langley |
| **DATE COMPLETED:** | 02/06/2008 | | |

| FRACTION # | NAME | TEST | RECEIPT VAC./PRES. | FINAL PRESSURE |
|---|---|---|---|---|
| 10D | Lab Blank | Modified TO-15 | NA | NA |
| 11A | CCV | Modified TO-15 | NA | NA |
| 11B | CCV | Modified TO-15 | NA | NA |
| 11C | CCV | Modified TO-15 | NA | NA |
| 11D | CCV | Modified TO-15 | NA | NA |
| 12A | LCS | Modified TO-15 | NA | NA |
| 12B | LCS | Modified TO-15 | NA | NA |
| 12C | LCS | Modified TO-15 | NA | NA |
| 12D | LCS | Modified TO-15 | NA | NA |

CERTIFIED BY: Linda J. Fruman DATE: 02/06/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards



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**LABORATORY NARRATIVE**
**Modified TO-15 Full Scan/SIM**
**Tetra Tech**
**Workorder# 0801438A**

LUMEN DATA VALIDATED

Seven 6 Liter Summa Canister (100% Certified) samples were received on January 24, 2008. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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* |
|---|---|---|
| ICAL %RSD acceptance criteria | </=30% RSD with 2 compounds allowed out to < 40% RSD | For Full Scan:<br>30% RSD with 4 compounds allowed out to < 40% RSD<br><br>For SIM:<br>Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD |
| Daily Calibration | +- 30% Difference | For Full Scan:<br></= 30% Difference with four allowed out up to </=40%.; flag and narrate outliers<br><br>For SIM:<br>Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers |
| Blank and standards | Zero air | Nitrogen |
| 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

There were no receiving discrepancies.

## Analytical Notes

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

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.

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 (at the Reporting Limit) 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

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

# WORK ORDER #: 0801530

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. David Brayack<br>Tetra Tech<br>Twin Oaks I, Suite 309<br>5700 Lake Wright Drive<br>Norfolk, VA 23502 | **BILL TO:** | Accounts Payable/Pittsburg<br>Tetra Tech EC, Inc.<br>Foster Plaza 7<br>661 Anderson Drive<br>Pittsburgh, PA 15220-2745 |
| **PHONE:** | (757) 461-3824 | **P.O. #** | |
| **FAX:** | (757) 461-4148 | **PROJECT #** | 112GN9845 NWIRP BETHPAGE |
| **DATE RECEIVED:** | 01/30/2008 | **CONTACT:** | Bryanna Langley |
| **DATE COMPLETED:** | 02/12/2008 | | |

| FRACTION # | NAME | TEST | RECEIPT VAC./PRES. | FINAL PRESSURE |
|---|---|---|---|---|
| 01A | BPSI-FB1005-00 | Modified TO-15 | 2.0 "Hg | 5 psi |
| 01B | BPSI-FB1005-00 | Modified TO-15 | 2.0 "Hg | 5 psi |
| 02A | BPSI-SG1005-45 | Modified TO-15 | 2.5 "Hg | 5 psi |
| 02B | BPSI-SG1005-45 | Modified TO-15 | 2.5 "Hg | 5 psi |
| 03A | BPSI-SG1005-20 | Modified TO-15 | 2.0 "Hg | 5 psi |
| 03B | BPSI-SG1005-20 | Modified TO-15 | 2.0 "Hg | 5 psi |
| 04A | BPSI-SG1005-08 | Modified TO-15 | 1.0 "Hg | 5 psi |
| 04B | BPSI-SG1005-08 | Modified TO-15 | 1.0 "Hg | 5 psi |
| 05A | BPSI-SG1006-45 | Modified TO-15 | 1.0 "Hg | 5 psi |
| 05B | BPSI-SG1006-45 | Modified TO-15 | 1.0 "Hg | 5 psi |
| 06A | BPSI-SG1006-20 | Modified TO-15 | 0.0 "Hg | 5 psi |
| 06B | BPSI-SG1006-20 | Modified TO-15 | 0.0 "Hg | 5 psi |
| 07A | BPSI-FB1006-00 | Modified TO-15 | 23.5 "Hg | 5 psi |
| 07B | BPSI-FB1006-00 | Modified TO-15 | 23.5 "Hg | 5 psi |
| 08A | BPSI-SG1006-07 | Modified TO-15 | 1.0 "Hg | 5 psi |
| 08B | BPSI-SG1006-07 | Modified TO-15 | 1.0 "Hg | 5 psi |
| 09A | Lab Blank | Modified TO-15 | NA | NA |

Continued on next page

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

# WORK ORDER #: 0801530

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. David Brayack<br>Tetra Tech<br>Twin Oaks I, Suite 309<br>5700 Lake Wright Drive<br>Norfolk, VA 23502 | **BILL TO:** | Accounts Payable/Pittsburg<br>Tetra Tech EC, Inc.<br>Foster Plaza 7<br>661 Anderson Drive<br>Pittsburgh, PA 15220-2745 |
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| **FAX:** | (757) 461-4148 | **PROJECT #** | 112GN9845 NWIRP BETHPAGE |
| **DATE RECEIVED:** | 01/30/2008 | **CONTACT:** | Bryanna Langley |
| **DATE COMPLETED:** | 02/12/2008 | | |

| FRACTION # | NAME | TEST | RECEIPT VAC./PRES. | FINAL PRESSURE |
|---|---|---|---|---|
| 09B | Lab Blank | Modified TO-15 | NA | NA |
| 09C | Lab Blank | Modified TO-15 | NA | NA |
| 09D | Lab Blank | Modified TO-15 | NA | NA |
| 10A | CCV | Modified TO-15 | NA | NA |
| 10B | CCV | Modified TO-15 | NA | NA |
| 10C | CCV | Modified TO-15 | NA | NA |
| 10D | CCV | Modified TO-15 | NA | NA |
| 11A | LCS | Modified TO-15 | NA | NA |
| 11B | LCS | Modified TO-15 | NA | NA |
| 11C | LCS | Modified TO-15 | NA | NA |
| 11D | LCS | Modified TO-15 | NA | NA |

CERTIFIED BY: Linda D. Truman DATE: 02/12/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
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 Full Scan/SIM**
**Tetra Tech**
**Workorder# 0801530**

Eight 6 Liter Summa Canister (100% Certified) samples were received on January 30, 2008. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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* |
|---|---|---|
| ICAL %RSD acceptance criteria | </=30% RSD with 2 compounds allowed out to < 40% RSD | For Full Scan:<br>30% RSD with 4 compounds allowed out to < 40% RSD<br><br>For SIM:<br>Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD |
| Daily Calibration | +- 30% Difference | For Full Scan:<br></= 30% Difference with four allowed out up to </=40%.; flag and narrate outliers<br><br>For SIM:<br>Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers |
| Blank and standards | Zero air | Nitrogen |
| 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

There were no receiving discrepancies.

## Analytical Notes

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

As per project specific client request, the laboratory has reported estimated values for target compounds that are detected below the Reporting Limit but greater than the Method Detection Limit. Concentrations below the level at which the canister was certified (at the Reporting Limit) 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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

# Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

# WORK ORDER #: 0801438C

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. David Brayack<br>Tetra Tech<br>Twin Oaks I, Suite 309<br>5700 Lake Wright Drive<br>Norfolk, VA 23502 | **BILL TO:** | Accounts Payable/Pittsburg<br>Tetra Tech EC, Inc.<br>Foster Plaza 7<br>661 Anderson Drive<br>Pittsburgh, PA 15220-2745 |
| **PHONE:** | (757) 461-3824 | **P.O. #** | |
| **FAX:** | (757) 461-4148 | **PROJECT #** | 112GN9845 NWIRP BETHPAGE |
| **DATE RECEIVED:** | 01/24/2008 | **CONTACT:** | Bryanna Langley |
| **DATE COMPLETED:** | 02/06/2008 | | |

| FRACTION # | NAME | TEST | RECEIPT VAC./PRES. | FINAL PRESSURE |
|---|---|---|---|---|
| 06A | SVPM125-25 | Modified TO-15 | 0.5 "Hg | 5 psi |
| 07A | SVPM12-50 | Modified TO-15 | 0.0 "Hg | 5 psi |
| 10A | SVPM115-24 | Modified TO-15 | 0.5 "Hg | 5 psi |
| 12A | BPS1-SG1002-08 | Modified TO-15 | 1.0 "Hg | 5 psi |
| 12AA | BPS1-SG1002-08 Lab Duplicate | Modified TO-15 | 1.0 "Hg | 5 psi |
| 13A | FD-012308 | Modified TO-15 | 0.5 "Hg | 5 psi |
| 14A | Lab Blank | Modified TO-15 | NA | NA |
| 15A | CCV | Modified TO-15 | NA | NA |
| 16A | LCS | Modified TO-15 | NA | NA |

CERTIFIED BY: Linda A. Truman DATE: 02/07/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards



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**LABORATORY NARRATIVE**
**Modified TO-15**
**Tetra Tech**
**Workorder# 0801438C**

LUMEN DATA VALIDATED

Five 6 Liter Summa Canister (100% Certified) samples were received on January 24, 2008. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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 with two allowed out up to </=40%.; flag and narrate outliers |
| 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

There were no receiving discrepancies.

## 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.

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 no

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

# Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

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Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

# WORK ORDER #: 0801438B

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. David Brayack<br>Tetra Tech<br>Twin Oaks I, Suite 309<br>5700 Lake Wright Drive<br>Norfolk, VA 23502 | **BILL TO:** | Accounts Payable/Pittsburg<br>Tetra Tech EC, Inc.<br>Foster Plaza 7<br>661 Anderson Drive<br>Pittsburgh, PA 15220-2745 |
| **PHONE:** | (757) 461-3824 | **P.O. #** | |
| **FAX:** | (757) 461-4148 | **PROJECT #** | 112GN9845 NWIRP BETHPAGE |
| **DATE RECEIVED:** | 01/24/2008 | **CONTACT:** | Bryanna Langley |
| **DATE COMPLETED:** | 02/06/2008 | | |

| FRACTION # | NAME | TEST | RECEIPT VAC./PRES. | FINAL PRESSURE |
|---|---|---|---|---|
| 11A | SVPM11-49 | Modified TO-15 | 0.5 "Hg | 5 psi |
| 11B | SVPM11-49 | Modified TO-15 | 0.5 "Hg | 5 psi |
| 12A | Lab Blank | Modified TO-15 | NA | NA |
| 12B | Lab Blank | Modified TO-15 | NA | NA |
| 13A | CCV | Modified TO-15 | NA | NA |
| 13B | CCV | Modified TO-15 | NA | NA |
| 14A | LCS | Modified TO-15 | NA | NA |
| 14B | LCS | Modified TO-15 | NA | NA |

CERTIFIED BY: _____ DATE: 02/06/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards



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AN ENVIRONMENTAL ANALYTICAL LABORATORY

**LABORATORY NARRATIVE**
**Modified TO-15 Full Scan/SIM**
**Tetra Tech**
**Workorder# 0801438B**

Two 6 Liter Summa Canister (100% Certified) samples were received on January 24, 2008. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the Full Scan and SIM acquisition modes. The method involves concentrating up to 1.0 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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* |
|---|---|---|
| ICAL %RSD acceptance criteria | </=30% RSD with 2 compounds allowed out to < 40% RSD | For Full Scan:<br>30% RSD with 4 compounds allowed out to < 40% RSD<br><br>For SIM:<br>Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD |
| Daily Calibration | +- 30% Difference | For Full Scan:<br></= 30% Difference with four allowed out up to </=40%.; flag and narrate outliers<br><br>For SIM:<br>Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers |
| Blank and standards | Zero air | Nitrogen |
| 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) information for sample SVPM11-49 did not match the information on the canister with regard to canister identification. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

## 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.

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 (at the Reporting Limit) may be false positives.

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

The results for each sample in this report were acquired from two separate data files originating from the same analytical run. The two data files have the same base file name and are differentiated with a "sim" extension on the SIM data file.

## 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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1001-07**

**Lab ID#: 0801481B-04A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 5020709 | Date of Collection: | 1/24/08 |
| Dil. Factor: | 22.3 | Date of Analysis: | 2/7/08 02:08 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 11 | Not Detected | 55 | Not Detected |
| Chloromethane | 45 | Not Detected | 92 | Not Detected |
| Vinyl Chloride | 11 | Not Detected | 28 | Not Detected |
| Bromomethane | 11 | Not Detected | 43 | Not Detected |
| Chloroethane | 11 | Not Detected | 29 | Not Detected |
| Freon 11 | 11 | Not Detected | 63 | Not Detected |
| Freon 113 | 11 | 2.5 J | 85 | 19 J |
| 1,1-Dichloroethene | 11 | 120 | 44 | 490 |
| Acetone | 45 | 160 | 100 | 370 |
| Carbon Disulfide | 11 | Not Detected | 35 | Not Detected |
| Methylene Chloride | 11 | Not Detected | 39 | Not Detected |
| Methyl tert-butyl ether | 11 | Not Detected | 40 | Not Detected |
| trans-1,2-Dichloroethene | 11 | Not Detected | 44 | Not Detected |
| 1,1-Dichloroethane | 11 | 31 | 45 | 130 |
| 2-Butanone (Methyl Ethyl Ketone) | 11 | 12 | 33 | 35 |
| cis-1,2-Dichloroethene | 11 | 6.1 J | 44 | 24 J |
| Chloroform | 11 | Not Detected | 54 | Not Detected |
| 1,1,1-Trichloroethane | 11 | 2900 | 61 | 16000 |
| Carbon Tetrachloride | 11 | Not Detected | 70 | Not Detected |
| Benzene | 11 | Not Detected | 36 | Not Detected |
| 1,2-Dichloroethane | 11 | Not Detected | 45 | Not Detected |
| Trichloroethene | 11 | 3500 | 60 | 19000 |
| 1,2-Dichloropropane | 11 | Not Detected | 52 | Not Detected |
| Bromodichloromethane | 11 | Not Detected | 75 | Not Detected |
| cis-1,3-Dichloropropene | 11 | Not Detected | 51 | Not Detected |
| 4-Methyl-2-pentanone | 11 | Not Detected | 46 | Not Detected |
| Toluene | 11 | 3.5 J | 42 | 13 J |
| trans-1,3-Dichloropropene | 11 | Not Detected | 51 | Not Detected |
| 1,1,2-Trichloroethane | 11 | Not Detected | 61 | Not Detected |
| Tetrachloroethene | 11 | 25 | 76 | 170 |
| Dibromochloromethane | 11 | Not Detected | 95 | Not Detected |
| 1,2-Dibromoethane (EDB) | 11 | Not Detected | 86 | Not Detected |
| Chlorobenzene | 11 | Not Detected | 51 | Not Detected |
| Ethyl Benzene | 11 | Not Detected | 48 | Not Detected |
| m,p-Xylene | 11 | Not Detected | 48 | Not Detected |
| o-Xylene | 11 | Not Detected | 48 | Not Detected |
| Styrene | 11 | Not Detected | 47 | Not Detected |
| Bromoform | 11 | Not Detected | 120 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 11 | Not Detected | 76 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1001-07**

**Lab ID#: 0801481B-04A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 5020709 | Date of Collection: | 1/24/08 |
| Dil. Factor: | 22.3 | Date of Analysis: | 2/7/08 02:08 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,3-Dichlorobenzene | 11 | Not Detected | 67 | Not Detected |
| 1,4-Dichlorobenzene | 11 | Not Detected | 67 | Not Detected |
| 1,2-Dichlorobenzene | 11 | Not Detected | 67 | Not Detected |
| 1,2,4-Trichlorobenzene | 45 | Not Detected | 330 | Not Detected |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Toluene-d8 | 95 | 70-130 |
| 1,2-Dichloroethane-d4 | 102 | 70-130 |
| 4-Bromofluorobenzene | 98 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1001-20**

**Lab ID#: 0801481B-05A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 5020710 | Date of Collection: | 1/24/08 |
| Dil. Factor: | 268 | Date of Analysis: | 2/7/08 02:36 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 130 | Not Detected | 660 | Not Detected |
| Chloromethane | 540 | Not Detected | 1100 | Not Detected |
| Vinyl Chloride | 130 | Not Detected | 340 | Not Detected |
| Bromomethane | 130 | Not Detected | 520 | Not Detected |
| Chloroethane | 130 | Not Detected | 350 | Not Detected |
| Freon 11 | 130 | Not Detected | 750 | Not Detected |
| Freon 113 | 130 | Not Detected | 1000 | Not Detected |
| 1,1-Dichloroethene | 130 | 590 | 530 | 2400 |
| Acetone | 540 | Not Detected | 1300 | Not Detected |
| Carbon Disulfide | 130 | Not Detected | 420 | Not Detected |
| Methylene Chloride | 130 | Not Detected | 460 | Not Detected |
| Methyl tert-butyl ether | 130 | Not Detected | 480 | Not Detected |
| trans-1,2-Dichloroethene | 130 | Not Detected | 530 | Not Detected |
| 1,1-Dichloroethane | 130 | 420 | 540 | 1700 |
| 2-Butanone (Methyl Ethyl Ketone) | 130 | Not Detected | 400 | Not Detected |
| cis-1,2-Dichloroethene | 130 | 140 | 530 | 560 |
| Chloroform | 130 | Not Detected | 650 | Not Detected |
| 1,1,1-Trichloroethane | 130 | 16000 | 730 | 90000 |
| Carbon Tetrachloride | 130 | Not Detected | 840 | Not Detected |
| Benzene | 130 | Not Detected | 430 | Not Detected |
| 1,2-Dichloroethane | 130 | Not Detected | 540 | Not Detected |
| Trichloroethene | 130 | 33000 | 720 | 180000 |
| 1,2-Dichloropropane | 130 | Not Detected | 620 | Not Detected |
| Bromodichloromethane | 130 | Not Detected | 900 | Not Detected |
| cis-1,3-Dichloropropene | 130 | Not Detected | 610 | Not Detected |
| 4-Methyl-2-pentanone | 130 | Not Detected | 550 | Not Detected |
| Toluene | 130 | Not Detected | 500 | Not Detected |
| trans-1,3-Dichloropropene | 130 | Not Detected | 610 | Not Detected |
| 1,1,2-Trichloroethane | 130 | Not Detected | 730 | Not Detected |
| Tetrachloroethene | 130 | 170 | 910 | 1200 |
| Dibromochloromethane | 130 | Not Detected | 1100 | Not Detected |
| 1,2-Dibromoethane (EDB) | 130 | Not Detected | 1000 | Not Detected |
| Chlorobenzene | 130 | Not Detected | 620 | Not Detected |
| Ethyl Benzene | 130 | Not Detected | 580 | Not Detected |
| m,p-Xylene | 130 | Not Detected | 580 | Not Detected |
| o-Xylene | 130 | Not Detected | 580 | Not Detected |
| Styrene | 130 | Not Detected | 570 | Not Detected |
| Bromoform | 130 | Not Detected | 1400 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 130 | Not Detected | 920 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1001-20**

**Lab ID#: 0801481B-05A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 5020710 | Date of Collection: | 1/24/08 |
| Dil. Factor: | 268 | Date of Analysis: | 2/7/08 02:36 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,3-Dichlorobenzene | 130 | Not Detected | 800 | Not Detected |
| 1,4-Dichlorobenzene | 130 | Not Detected | 800 | Not Detected |
| 1,2-Dichlorobenzene | 130 | Not Detected | 800 | Not Detected |
| 1,2,4-Trichlorobenzene | 540 | Not Detected | 4000 | Not Detected |

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Toluene-d8 | 95 | 70-130 |
| 1,2-Dichloroethane-d4 | 100 | 70-130 |
| 4-Bromofluorobenzene | 99 | 70-130 |

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1001-40**

**Lab ID#: 0801481B-07A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 5020711 | Date of Collection: | 1/25/08 |
| Dil. Factor: | 1.41 | Date of Analysis: | 2/7/08 03:08 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.70 | 0.83 | 3.5 | 4.1 |
| Chloromethane | 2.8 | Not Detected | 5.8 | Not Detected |
| Vinyl Chloride | 0.70 | Not Detected | 1.8 | Not Detected |
| Bromomethane | 0.70 | Not Detected | 2.7 | Not Detected |
| Chloroethane | 0.70 | Not Detected | 1.9 | Not Detected |
| Freon 11 | 0.70 | 0.42 J | 4.0 | 2.3 J |
| Freon 113 | 0.70 | 0.27 J | 5.4 | 2.1 J |
| 1,1-Dichloroethene | 0.70 | 3.7 | 2.8 | 15 |
| Acetone | 2.8 | 6.1 | 6.7 | 14 |
| Carbon Disulfide | 0.70 | Not Detected | 2.2 | Not Detected |
| Methylene Chloride | 0.70 | 44 | 2.4 | 150 |
| Methyl tert-butyl ether | 0.70 | Not Detected | 2.5 | Not Detected |
| trans-1,2-Dichloroethene | 0.70 | Not Detected | 2.8 | Not Detected |
| 1,1-Dichloroethane | 0.70 | 3.3 | 2.8 | 14 |
| 2-Butanone (Methyl Ethyl Ketone) | 0.70 | Not Detected | 2.1 | Not Detected |
| cis-1,2-Dichloroethene | 0.70 | 1.1 | 2.8 | 4.4 |
| Chloroform | 0.70 | 0.11 J | 3.4 | 0.52 J |
| 1,1,1-Trichloroethane | 0.70 | 160 | 3.8 | 890 |
| Carbon Tetrachloride | 0.70 | Not Detected | 4.4 | Not Detected |
| Benzene | 0.70 | 0.36 J | 2.2 | 1.1 J |
| 1,2-Dichloroethane | 0.70 | Not Detected | 2.8 | Not Detected |
| Trichloroethene | 0.70 | 260 | 3.8 | 1400 |
| 1,2-Dichloropropane | 0.70 | Not Detected | 3.2 | Not Detected |
| Bromodichloromethane | 0.70 | Not Detected | 4.7 | Not Detected |
| cis-1,3-Dichloropropene | 0.70 | Not Detected | 3.2 | Not Detected |
| 4-Methyl-2-pentanone | 0.70 | Not Detected | 2.9 | Not Detected |
| Toluene | 0.70 | 0.56 J | 2.6 | 2.1 J |
| trans-1,3-Dichloropropene | 0.70 | Not Detected | 3.2 | Not Detected |
| 1,1,2-Trichloroethane | 0.70 | Not Detected | 3.8 | Not Detected |
| Tetrachloroethene | 0.70 | 0.87 | 4.8 | 5.9 |
| Dibromochloromethane | 0.70 | Not Detected | 6.0 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.70 | Not Detected | 5.4 | Not Detected |
| Chlorobenzene | 0.70 | Not Detected | 3.2 | Not Detected |
| Ethyl Benzene | 0.70 | Not Detected | 3.1 | Not Detected |
| m,p-Xylene | 0.70 | Not Detected | 3.1 | Not Detected |
| o-Xylene | 0.70 | Not Detected | 3.1 | Not Detected |
| Styrene | 0.70 | Not Detected | 3.0 | Not Detected |
| Bromoform | 0.70 | Not Detected | 7.3 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.70 | Not Detected | 4.8 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1001-40**

**Lab ID#: 0801481B-07A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 5020711 | Date of Collection: | 1/25/08 |
| Dil. Factor: | 1.41 | Date of Analysis: | 2/7/08 03:08 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,3-Dichlorobenzene | 0.70 | Not Detected | 4.2 | Not Detected |
| 1,4-Dichlorobenzene | 0.70 | Not Detected | 4.2 | Not Detected |
| 1,2-Dichlorobenzene | 0.70 | Not Detected | 4.2 | Not Detected |
| 1,2,4-Trichlorobenzene | 2.8 | Not Detected | 21 | Not Detected |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Toluene-d8 | 96 | 70-130 |
| 1,2-Dichloroethane-d4 | 98 | 70-130 |
| 4-Bromofluorobenzene | 97 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPS1-SG1002-08**

**Lab ID#: 0801438C-12A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013119 | Date of Collection: | 1/23/08 |
| Dil. Factor: | 6.95 | Date of Analysis: | 1/31/08 09:39 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 3.5 | Not Detected | 17 | Not Detected |
| Chloromethane | 14 | Not Detected | 29 | Not Detected |
| Vinyl Chloride | 3.5 | Not Detected | 8.9 | Not Detected |
| Bromomethane | 3.5 | Not Detected | 13 | Not Detected |
| Chloroethane | 3.5 | Not Detected | 9.2 | Not Detected |
| Freon 11 | 3.5 | 0.78 J | 20 | 4.4 J |
| Freon 113 | 3.5 | 280 | 27 | 2200 |
| 1,1-Dichloroethene | 3.5 | Not Detected | 14 | Not Detected |
| Acetone | 14 | 27 | 33 | 64 |
| Carbon Disulfide | 3.5 | 1.1 J | 11 | 3.5 J |
| Methylene Chloride | 3.5 | Not Detected | 12 | Not Detected |
| Methyl tert-butyl ether | 3.5 | Not Detected | 12 | Not Detected |
| trans-1,2-Dichloroethene | 3.5 | 5.6 | 14 | 22 |
| 1,1-Dichloroethane | 3.5 | 3.6 | 14 | 15 |
| 2-Butanone (Methyl Ethyl Ketone) | 3.5 | Not Detected | 10 | Not Detected |
| cis-1,2-Dichloroethene | 3.5 | 39 | 14 | 160 |
| Chloroform | 3.5 | 1.1 J | 17 | 5.6 J |
| 1,1,1-Trichloroethane | 3.5 | 140 | 19 | 740 |
| Carbon Tetrachloride | 3.5 | Not Detected | 22 | Not Detected |
| Benzene | 3.5 | 1.6 J | 11 | 5.1 J |
| 1,2-Dichloroethane | 3.5 | Not Detected | 14 | Not Detected |
| Trichloroethene | 3.5 | 620 | 19 | 3300 |
| 1,2-Dichloropropane | 3.5 | Not Detected | 16 | Not Detected |
| Bromodichloromethane | 3.5 | Not Detected | 23 | Not Detected |
| cis-1,3-Dichloropropene | 3.5 | Not Detected | 16 | Not Detected |
| 4-Methyl-2-pentanone | 3.5 | Not Detected | 14 | Not Detected |
| Toluene | 3.5 | Not Detected | 13 | Not Detected |
| trans-1,3-Dichloropropene | 3.5 | Not Detected | 16 | Not Detected |
| 1,1,2-Trichloroethane | 3.5 | Not Detected | 19 | Not Detected |
| Tetrachloroethene | 3.5 | 250 | 24 | 1700 |
| Dibromochloromethane | 3.5 | Not Detected | 30 | Not Detected |
| 1,2-Dibromoethane (EDB) | 3.5 | Not Detected | 27 | Not Detected |
| Chlorobenzene | 3.5 | Not Detected | 16 | Not Detected |
| Ethyl Benzene | 3.5 | Not Detected | 15 | Not Detected |
| m,p-Xylene | 3.5 | Not Detected | 15 | Not Detected |
| o-Xylene | 3.5 | Not Detected | 15 | Not Detected |
| Styrene | 3.5 | Not Detected | 15 | Not Detected |
| Bromoform | 3.5 | Not Detected | 36 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 3.5 | Not Detected | 24 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPS1-SG1002-08**

**Lab ID#: 0801438C-12A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013119 | Date of Collection: | 1/23/08 |
| Dil. Factor: | 6.95 | Date of Analysis: | 1/31/08 09:39 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,3-Dichlorobenzene | 3.5 | Not Detected | 21 | Not Detected |
| 1,4-Dichlorobenzene | 3.5 | Not Detected | 21 | Not Detected |
| 1,2-Dichlorobenzene | 3.5 | Not Detected | 21 | Not Detected |
| 1,2,4-Trichlorobenzene | 14 | Not Detected U J | 100 | Not Detected U J |

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 |
|---|---|---|
| Toluene-d8 | 95 | 70-130 |
| 1,2-Dichloroethane-d4 | 119 | 70-130 |
| 4-Bromofluorobenzene | 102 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPS1-SG1002-08 Lab Duplicate**

**Lab ID#: 0801438C-12AA**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013114 | Date of Collection: | 1/23/08 |
| Dil. Factor: | 11.1 | Date of Analysis: | 1/31/08 06:31 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 5.6 | Not Detected | 27 | Not Detected |
| Chloromethane | 22 | 5.4 J | 46 | 11 J |
| Vinyl Chloride | 5.6 | Not Detected | 14 | Not Detected |
| Bromomethane | 5.6 | Not Detected | 22 | Not Detected |
| Chloroethane | 5.6 | Not Detected | 15 | Not Detected |
| Freon 11 | 5.6 | Not Detected | 31 | Not Detected |
| Freon 113 | 5.6 | 280 | 42 | 2100 |
| 1,1-Dichloroethene | 5.6 | 3.2 J | 22 | 13 J |
| Acetone | 22 | 24 | 53 | 56 |
| Carbon Disulfide | 5.6 | 1.5 J | 17 | 4.6 J |
| Methylene Chloride | 5.6 | Not Detected | 19 | Not Detected |
| Methyl tert-butyl ether | 5.6 | Not Detected | 20 | Not Detected |
| trans-1,2-Dichloroethene | 5.6 | 5.8 | 22 | 23 |
| 1,1-Dichloroethane | 5.6 | 2.9 J | 22 | 12 J |
| 2-Butanone (Methyl Ethyl Ketone) | 5.6 | Not Detected | 16 | Not Detected |
| cis-1,2-Dichloroethene | 5.6 | 37 | 22 | 150 |
| Chloroform | 5.6 | Not Detected | 27 | Not Detected |
| 1,1,1-Trichloroethane | 5.6 | 140 | 30 | 740 |
| Carbon Tetrachloride | 5.6 | Not Detected | 35 | Not Detected |
| Benzene | 5.6 | Not Detected | 18 | Not Detected |
| 1,2-Dichloroethane | 5.6 | Not Detected | 22 | Not Detected |
| Trichloroethene | 5.6 | 650 | 30 | 3500 |
| 1,2-Dichloropropane | 5.6 | Not Detected | 26 | Not Detected |
| Bromodichloromethane | 5.6 | Not Detected | 37 | Not Detected |
| cis-1,3-Dichloropropene | 5.6 | Not Detected | 25 | Not Detected |
| 4-Methyl-2-pentanone | 5.6 | Not Detected | 23 | Not Detected |
| Toluene | 5.6 | Not Detected | 21 | Not Detected |
| trans-1,3-Dichloropropene | 5.6 | Not Detected | 25 | Not Detected |
| 1,1,2-Trichloroethane | 5.6 | Not Detected | 30 | Not Detected |
| Tetrachloroethene | 5.6 | 250 | 38 | 1700 |
| Dibromochloromethane | 5.6 | Not Detected | 47 | Not Detected |
| 1,2-Dibromoethane (EDB) | 5.6 | Not Detected | 43 | Not Detected |
| Chlorobenzene | 5.6 | Not Detected | 26 | Not Detected |
| Ethyl Benzene | 5.6 | Not Detected | 24 | Not Detected |
| m,p-Xylene | 5.6 | Not Detected | 24 | Not Detected |
| o-Xylene | 5.6 | Not Detected | 24 | Not Detected |
| Styrene | 5.6 | Not Detected | 24 | Not Detected |
| Bromoform | 5.6 | Not Detected | 57 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 5.6 | Not Detected | 38 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPS1-SG1002-08 Lab Duplicate**

**Lab ID#: 0801438C-12AA**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013114 | Date of Collection: | 1/23/08 |
| Dil. Factor: | 11.1 | Date of Analysis: | 1/31/08 06:31 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,3-Dichlorobenzene | 5.6 | Not Detected | 33 | Not Detected |
| 1,4-Dichlorobenzene | 5.6 | Not Detected | 33 | Not Detected |
| 1,2-Dichlorobenzene | 5.6 | Not Detected | 33 | Not Detected |
| 1,2,4-Trichlorobenzene | 22 | Not Detected U J | 160 | Not Detected U J |

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 |
|---|---|---|
| Toluene-d8 | 102 | 70-130 |
| 1,2-Dichloroethane-d4 | 112 | 70-130 |
| 4-Bromofluorobenzene | 96 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: FD-012308**

**Lab ID#: 0801438C-13A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013120 | Date of Collection: | 1/23/08 |
| Dil. Factor: | 6.80 | Date of Analysis: | 1/31/08 10:15 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 3.4 | Not Detected | 17 | Not Detected |
| Chloromethane | 14 | Not Detected | 28 | Not Detected |
| Vinyl Chloride | 3.4 | Not Detected | 8.7 | Not Detected |
| Bromomethane | 3.4 | Not Detected | 13 | Not Detected |
| Chloroethane | 3.4 | Not Detected | 9.0 | Not Detected |
| Freon 11 | 3.4 | 0.65 J | 19 | 3.6 J |
| Freon 113 | 3.4 | 370 | 26 | 2900 |
| 1,1-Dichloroethene | 3.4 | Not Detected | 13 | Not Detected |
| Acetone | 14 | 30 | 32 | 72 |
| Carbon Disulfide | 3.4 | 0.88 J | 10 | 2.7 J |
| Methylene Chloride | 3.4 | Not Detected | 12 | Not Detected |
| Methyl tert-butyl ether | 3.4 | Not Detected | 12 | Not Detected |
| trans-1,2-Dichloroethene | 3.4 | 6.3 | 13 | 25 |
| 1,1-Dichloroethane | 3.4 | 3.4 | 14 | 14 |
| 2-Butanone (Methyl Ethyl Ketone) | 3.4 | Not Detected | 10 | Not Detected |
| cis-1,2-Dichloroethene | 3.4 | 49 | 13 | 200 |
| Chloroform | 3.4 | 1.3 J | 17 | 6.5 J |
| 1,1,1-Trichloroethane | 3.4 | 180 | 18 | 970 |
| Carbon Tetrachloride | 3.4 | Not Detected | 21 | Not Detected |
| Benzene | 3.4 | 1.7 J | 11 | 5.5 J |
| 1,2-Dichloroethane | 3.4 | Not Detected | 14 | Not Detected |
| Trichloroethene | 3.4 | 860 | 18 | 4600 |
| 1,2-Dichloropropane | 3.4 | Not Detected | 16 | Not Detected |
| Bromodichloromethane | 3.4 | Not Detected | 23 | Not Detected |
| cis-1,3-Dichloropropene | 3.4 | Not Detected | 15 | Not Detected |
| 4-Methyl-2-pentanone | 3.4 | Not Detected | 14 | Not Detected |
| Toluene | 3.4 | 2.2 J | 13 | 8.2 J |
| trans-1,3-Dichloropropene | 3.4 | Not Detected | 15 | Not Detected |
| 1,1,2-Trichloroethane | 3.4 | Not Detected | 18 | Not Detected |
| Tetrachloroethene | 3.4 | 320 | 23 | 2100 |
| Dibromochloromethane | 3.4 | Not Detected | 29 | Not Detected |
| 1,2-Dibromoethane (EDB) | 3.4 | Not Detected | 26 | Not Detected |
| Chlorobenzene | 3.4 | Not Detected | 16 | Not Detected |
| Ethyl Benzene | 3.4 | Not Detected | 15 | Not Detected |
| m,p-Xylene | 3.4 | Not Detected | 15 | Not Detected |
| o-Xylene | 3.4 | Not Detected | 15 | Not Detected |
| Styrene | 3.4 | Not Detected | 14 | Not Detected |
| Bromoform | 3.4 | Not Detected | 35 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 3.4 | Not Detected | 23 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: FD-012308**

**Lab ID#: 0801438C-13A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013120 | Date of Collection: | 1/23/08 |
| Dil. Factor: | 6.80 | Date of Analysis: | 1/31/08 10:15 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,3-Dichlorobenzene | 3.4 | Not Detected | 20 | Not Detected |
| 1,4-Dichlorobenzene | 3.4 | Not Detected | 20 | Not Detected |
| 1,2-Dichlorobenzene | 3.4 | Not Detected | 20 | Not Detected |
| 1,2,4-Trichlorobenzene | 14 | Not Detected U J | 100 | Not Detected U J |

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 |
|---|---|---|
| Toluene-d8 | 97 | 70-130 |
| 1,2-Dichloroethane-d4 | 114 | 70-130 |
| 4-Bromofluorobenzene | 95 | 70-130 |

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1002-20**

**Lab ID#: 0801481-02A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020513 | Date of Collection: | 1/24/08 |
| Dil. Factor: | 48.7 | Date of Analysis: | 2/5/08 08:50 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 4.9 | Not Detected | 24 | Not Detected |
| Chloromethane | 4.9 | Not Detected | 10 | Not Detected |
| Vinyl Chloride | 4.9 | Not Detected | 12 | Not Detected |
| Bromomethane | 4.9 | Not Detected | 19 | Not Detected |
| Chloroethane | 4.9 | Not Detected | 13 | Not Detected |
| Freon 11 | 4.9 | Not Detected | 27 | Not Detected |
| Freon 113 | 4.9 | 670 | 37 | 5100 |
| 1,1-Dichloroethene | 4.9 | 5.0 | 19 | 20 |
| Acetone | 24 | 620 | 58 | 1500 |
| Carbon Disulfide | 24 | 1.3 J | 76 | 3.9 J |
| Methylene Chloride | 9.7 | Not Detected | 34 | Not Detected |
| Methyl tert-butyl ether | 4.9 | Not Detected | 18 | Not Detected |
| trans-1,2-Dichloroethene | 4.9 | 14 | 19 | 58 |
| 1,1-Dichloroethane | 4.9 | 15 | 20 | 62 |
| 2-Butanone (Methyl Ethyl Ketone) | 4.9 | 17 | 14 | 50 |
| cis-1,2-Dichloroethene | 4.9 | 200 | 19 | 800 |
| Chloroform | 4.9 | 1.5 J | 24 | 7.3 J |
| 1,1,1-Trichloroethane | 4.9 | 350 | 26 | 1900 |
| Carbon Tetrachloride | 4.9 | Not Detected | 31 | Not Detected |
| Benzene | 4.9 | 10 | 16 | 33 |
| 1,2-Dichloroethane | 4.9 | Not Detected | 20 | Not Detected |
| 1,2-Dichloropropane | 4.9 | Not Detected | 22 | Not Detected |
| Bromodichloromethane | 4.9 | Not Detected | 33 | Not Detected |
| cis-1,3-Dichloropropene | 4.9 | Not Detected | 22 | Not Detected |
| 4-Methyl-2-pentanone | 4.9 | Not Detected | 20 | Not Detected |
| Toluene | 4.9 | 8.3 | 18 | 31 |
| trans-1,3-Dichloropropene | 4.9 | Not Detected | 22 | Not Detected |
| 1,1,2-Trichloroethane | 4.9 | Not Detected | 26 | Not Detected |
| Tetrachloroethene | 4.9 | 140 | 33 | 960 |
| Dibromochloromethane | 4.9 | Not Detected | 41 | Not Detected |
| 1,2-Dibromoethane (EDB) | 4.9 | Not Detected | 37 | Not Detected |
| Chlorobenzene | 4.9 | Not Detected | 22 | Not Detected |
| Ethyl Benzene | 4.9 | 1.4 J | 21 | 5.9 J |
| m,p-Xylene | 4.9 | 2.1 J | 21 | 9.1 J |
| o-Xylene | 4.9 | Not Detected | 21 | Not Detected |
| Styrene | 4.9 | Not Detected | 21 | Not Detected |
| Bromoform | 4.9 | Not Detected | 50 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 4.9 | Not Detected | 33 | Not Detected |
| 1,3-Dichlorobenzene | 4.9 | Not Detected | 29 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1002-20**

**Lab ID#: 0801481-02A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020513 | Date of Collection: | 1/24/08 |
| Dil. Factor: | 48.7 | Date of Analysis: | 2/5/08 08:50 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 4.9 | Not Detected | 29 | Not Detected |
| 1,2-Dichlorobenzene | 4.9 | Not Detected | 29 | Not Detected |
| 1,2,4-Trichlorobenzene | 24 | Not Detected | 180 | Not Detected |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 114 | 70-130 |
| Toluene-d8 | 98 | 70-130 |
| 4-Bromofluorobenzene | 107 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1002-20**

**Lab ID#: 0801481-02B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020513sim | Date of Collection: | 1/24/08 |
| Dil. Factor: | 48.7 | Date of Analysis: | 2/5/08 08:50 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.97 | 820 | 5.2 | 4400 |

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | 70-130 |
| Toluene-d8 | 83 | 70-130 |
| 4-Bromofluorobenzene | 118 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1002-45**

**Lab ID#: 0801481-03A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020518 | Date of Collection: | 1/24/08 |
| Dil. Factor: | 28.2 | Date of Analysis: | 2/6/08 01:25 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 2.8 | Not Detected | 14 | Not Detected |
| Chloromethane | 2.8 | 2.5 J | 5.8 | 5.2 J |
| Vinyl Chloride | 2.8 | Not Detected | 7.2 | Not Detected |
| Bromomethane | 2.8 | Not Detected | 11 | Not Detected |
| Chloroethane | 2.8 | Not Detected | 7.4 | Not Detected |
| Freon 11 | 2.8 | Not Detected | 16 | Not Detected |
| Freon 113 | 2.8 | 310 | 22 | 2400 |
| 1,1-Dichloroethene | 2.8 | 1.7 J | 11 | 6.6 J |
| Acetone | 14 | 850 | 33 | 2000 |
| Carbon Disulfide | 14 | 1.9 J | 44 | 6.0 J |
| Methylene Chloride | 5.6 | Not Detected | 20 | Not Detected |
| Methyl tert-butyl ether | 2.8 | Not Detected | 10 | Not Detected |
| trans-1,2-Dichloroethene | 2.8 | 2.6 J | 11 | 10 J |
| 1,1-Dichloroethane | 2.8 | 4.1 | 11 | 16 |
| 2-Butanone (Methyl Ethyl Ketone) | 2.8 | 78 | 8.3 | 230 |
| cis-1,2-Dichloroethene | 2.8 | 23 | 11 | 92 |
| Chloroform | 2.8 | Not Detected | 14 | Not Detected |
| 1,1,1-Trichloroethane | 2.8 | 100 | 15 | 550 |
| Carbon Tetrachloride | 2.8 | Not Detected | 18 | Not Detected |
| Benzene | 2.8 | 18 | 9.0 | 56 |
| 1,2-Dichloroethane | 2.8 | Not Detected | 11 | Not Detected |
| 1,2-Dichloropropane | 2.8 | Not Detected | 13 | Not Detected |
| Bromodichloromethane | 2.8 | Not Detected | 19 | Not Detected |
| cis-1,3-Dichloropropene | 2.8 | Not Detected | 13 | Not Detected |
| 4-Methyl-2-pentanone | 2.8 | 4.9 J | 12 | 20 J |
| Toluene | 2.8 | 17 | 11 | 66 |
| trans-1,3-Dichloropropene | 2.8 | Not Detected | 13 | Not Detected |
| 1,1,2-Trichloroethane | 2.8 | Not Detected | 15 | Not Detected |
| Tetrachloroethene | 2.8 | 2.9 | 19 | 20 |
| Dibromochloromethane | 2.8 | Not Detected | 24 | Not Detected |
| 1,2-Dibromoethane (EDB) | 2.8 | Not Detected | 22 | Not Detected |
| Chlorobenzene | 2.8 | Not Detected | 13 | Not Detected |
| Ethyl Benzene | 2.8 | 1.9 J | 12 | 8.4 J |
| m,p-Xylene | 2.8 | 4.7 | 12 | 20 |
| o-Xylene | 2.8 | 1.7 J | 12 | 7.6 J |
| Styrene | 2.8 | Not Detected | 12 | Not Detected |
| Bromoform | 2.8 | Not Detected | 29 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 2.8 | Not Detected | 19 | Not Detected |
| 1,3-Dichlorobenzene | 2.8 | Not Detected | 17 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1002-45**

**Lab ID#: 0801481-03A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020518 | Date of Collection: | 1/24/08 |
| Dil. Factor: | 28.2 | Date of Analysis: | 2/6/08 01:25 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 2.8 | Not Detected | 17 | Not Detected |
| 1,2-Dichlorobenzene | 2.8 | Not Detected | 17 | Not Detected |
| 1,2,4-Trichlorobenzene | 14 | Not Detected | 100 | Not Detected |

J = Estimated value.
J = Estimated value due to bias in the CCV.
**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 111 | 70-130 |
| Toluene-d8 | 98 | 70-130 |
| 4-Bromofluorobenzene | 100 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1002-45**

**Lab ID#: 0801481-03B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020518sim | Date of Collection: | 1/24/08 |
| Dil. Factor: | 28.2 | Date of Analysis: | 2/6/08 01:25 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.56 | 59 | 3.0 | 320 |

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 105 | 70-130 |
| Toluene-d8 | 84 | 70-130 |
| 4-Bromofluorobenzene | 114 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1003-05.5**

**Lab ID#: 0801438A-04A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| File Name: | s012820 | Date of Collection: 1/22/08 |
|---|---|---|
| Dil. Factor: | 1.36 | Date of Analysis: 1/29/08 12:21 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.14 | 0.18 | 0.67 | 0.86 |
| Chloromethane | 0.14 | Not Detected | 0.28 | Not Detected |
| Vinyl Chloride | 0.14 | Not Detected | 0.35 | Not Detected |
| Bromomethane | 0.14 | Not Detected | 0.53 | Not Detected |
| Chloroethane | 0.14 | Not Detected | 0.36 | Not Detected |
| Freon 11 | 0.14 | 0.33 | 0.76 | 1.8 |
| Freon 113 | 0.14 | 100 E | 1.0 | 790 E |
| 1,1-Dichloroethene | 0.14 | 0.24 | 0.54 | 0.94 |
| Acetone | 0.68 | 40 | 1.6 | 95 |
| Carbon Disulfide | 0.68 | 0.36 J | 2.1 | 1.1 J |
| Methylene Chloride | 0.27 | 0.061 J | 0.94 | 0.21 J |
| Methyl tert-butyl ether | 0.14 | Not Detected | 0.49 | Not Detected |
| trans-1,2-Dichloroethene | 0.14 | 0.055 J | 0.54 | 0.22 J |
| 1,1-Dichloroethane | 0.14 | 0.29 | 0.55 | 1.2 |
| 2-Butanone (Methyl Ethyl Ketone) | 0.14 | 3.4 | 0.40 | 10 |
| cis-1,2-Dichloroethene | 0.14 | Not Detected | 0.54 | Not Detected |
| Chloroform | 0.14 | 0.24 | 0.66 | 1.2 |
| 1,1,1-Trichloroethane | 0.14 | 81 E | 0.74 | 440 E |
| Carbon Tetrachloride | 0.14 | Not Detected | 0.86 | Not Detected |
| Benzene | 0.14 | 1.0 | 0.43 | 3.3 |
| 1,2-Dichloroethane | 0.14 | Not Detected | 0.55 | Not Detected |
| 1,2-Dichloropropane | 0.14 | Not Detected | 0.63 | Not Detected |
| Bromodichloromethane | 0.14 | Not Detected | 0.91 | Not Detected |
| cis-1,3-Dichloropropene | 0.14 | Not Detected | 0.62 | Not Detected |
| 4-Methyl-2-pentanone | 0.14 | Not Detected | 0.56 | Not Detected |
| Toluene | 0.14 | 6.7 | 0.51 | 25 |
| trans-1,3-Dichloropropene | 0.14 | Not Detected | 0.62 | Not Detected |
| 1,1,2-Trichloroethane | 0.14 | Not Detected | 0.74 | Not Detected |
| Tetrachloroethene | 0.14 | 79 E | 0.92 | 540 E |
| Dibromochloromethane | 0.14 | Not Detected | 1.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.14 | Not Detected | 1.0 | Not Detected |
| Chlorobenzene | 0.14 | Not Detected | 0.63 | Not Detected |
| Ethyl Benzene | 0.14 | 1.8 | 0.59 | 7.8 |
| m,p-Xylene | 0.14 | 6.2 | 0.59 | 27 |
| o-Xylene | 0.14 | 1.9 | 0.59 | 8.3 |
| Styrene | 0.14 | 0.22 | 0.58 | 0.92 |
| Bromoform | 0.14 | Not Detected | 1.4 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.14 | Not Detected | 0.93 | Not Detected |
| 1,3-Dichlorobenzene | 0.14 | Not Detected | 0.82 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1003-05.5**

**Lab ID#: 0801438A-04A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012820 | Date of Collection: | 1/22/08 |
| Dil. Factor: | 1.36 | Date of Analysis: | 1/29/08 12:21 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.14 | 0.25 | 0.82 | 1.5 |
| 1,2-Dichlorobenzene | 0.14 | Not Detected | 0.82 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.68 | Not Detected | 5.0 | Not Detected |

E = Exceeds instrument calibration range.
J = Estimated value.
**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | 70-130 |
| Toluene-d8 | 87 | 70-130 |
| 4-Bromofluorobenzene | 121 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1003-05.5**

**Lab ID#: 0801438A-04B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012820sim | Date of Collection: | 1/22/08 |
| Dil. Factor: | 1.36 | Date of Analysis: | 1/29/08 12:21 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.027 | 20 | 0.15 | 110 |

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 92 | 70-130 |
| Toluene-d8 | 85 | 70-130 |
| 4-Bromofluorobenzene | 122 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1003-20**

**Lab ID#: 0801438A-05A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012825 | Date of Collection: 1/22/08 | |
| Dil. Factor: | 9.07 | Date of Analysis: 1/29/08 07:34 AM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.91 | Not Detected | 4.5 | Not Detected |
| Chloromethane | 0.91 | Not Detected | 1.9 | Not Detected |
| Vinyl Chloride | 0.91 | Not Detected | 2.3 | Not Detected |
| Bromomethane | 0.91 | Not Detected | 3.5 | Not Detected |
| Chloroethane | 0.91 | Not Detected | 2.4 | Not Detected |
| Freon 11 | 0.91 | 0.24 J | 5.1 | 1.4 J |
| Freon 113 | 0.91 | 180 | 7.0 | 1400 |
| 1,1-Dichloroethene | 0.91 | 1.5 | 3.6 | 5.8 |
| Acetone | 4.5 | 51 | 11 | 120 |
| Carbon Disulfide | 4.5 | 0.92 J | 14 | 2.8 J |
| Methylene Chloride | 1.8 | Not Detected | 6.3 | Not Detected |
| Methyl tert-butyl ether | 0.91 | Not Detected | 3.3 | Not Detected |
| trans-1,2-Dichloroethene | 0.91 | 0.77 J | 3.6 | 3.0 J |
| 1,1-Dichloroethane | 0.91 | 4.7 | 3.7 | 19 |
| 2-Butanone (Methyl Ethyl Ketone) | 0.91 | 3.9 | 2.7 | 12 |
| cis-1,2-Dichloroethene | 0.91 | 0.93 | 3.6 | 3.7 |
| Chloroform | 0.91 | 1.0 | 4.4 | 4.9 |
| 1,1,1-Trichloroethane | 0.91 | 140 | 4.9 | 790 |
| Carbon Tetrachloride | 0.91 | Not Detected | 5.7 | Not Detected |
| Benzene | 0.91 | 1.9 | 2.9 | 6.2 |
| 1,2-Dichloroethane | 0.91 | Not Detected | 3.7 | Not Detected |
| 1,2-Dichloropropane | 0.91 | Not Detected | 4.2 | Not Detected |
| Bromodichloromethane | 0.91 | Not Detected | 6.1 | Not Detected |
| cis-1,3-Dichloropropene | 0.91 | Not Detected | 4.1 | Not Detected |
| 4-Methyl-2-pentanone | 0.91 | Not Detected | 3.7 | Not Detected |
| Toluene | 0.91 | 11 | 3.4 | 41 |
| trans-1,3-Dichloropropene | 0.91 | Not Detected | 4.1 | Not Detected |
| 1,1,2-Trichloroethane | 0.91 | Not Detected | 4.9 | Not Detected |
| Tetrachloroethene | 0.91 | 200 | 6.2 | 1300 |
| Dibromochloromethane | 0.91 | Not Detected | 7.7 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.91 | Not Detected | 7.0 | Not Detected |
| Chlorobenzene | 0.91 | Not Detected | 4.2 | Not Detected |
| Ethyl Benzene | 0.91 | 2.7 | 3.9 | 12 |
| m,p-Xylene | 0.91 | 7.9 | 3.9 | 34 |
| o-Xylene | 0.91 | 2.5 | 3.9 | 11 |
| Styrene | 0.91 | 0.24 J | 3.9 | 1.0 J |
| Bromoform | 0.91 | Not Detected | 9.4 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.91 | Not Detected | 6.2 | Not Detected |
| 1,3-Dichlorobenzene | 0.91 | Not Detected | 5.4 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1003-20**

**Lab ID#: 0801438A-05A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012825 | Date of Collection: 1/22/08 | |
| Dil. Factor: | 9.07 | Date of Analysis: 1/29/08 07:34 AM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.91 | Not Detected | 5.4 | Not Detected |
| 1,2-Dichlorobenzene | 0.91 | Not Detected | 5.4 | Not Detected |
| 1,2,4-Trichlorobenzene | 4.5 | Not Detected | 34 | Not Detected |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | 70-130 |
| Toluene-d8 | 92 | 70-130 |
| 4-Bromofluorobenzene | 124 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1003-20**

**Lab ID#: 0801438A-05B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012825sim | Date of Collection: | 1/22/08 |
| Dil. Factor: | 9.07 | Date of Analysis: | 1/29/08 07:34 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.18 | 110 | 0.97 | 590 |

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 99 | 70-130 |
| Toluene-d8 | 90 | 70-130 |
| 4-Bromofluorobenzene | 123 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1003-45**

**Lab ID#: 0801438A-09A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012917 | Date of Collection: | 1/23/08 |
| Dil. Factor: | 9.40 | Date of Analysis: | 1/29/08 10:33 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.94 | 0.57 J | 4.6 | 2.8 J |
| Chloromethane | 0.94 | Not Detected | 1.9 | Not Detected |
| Vinyl Chloride | 0.94 | Not Detected | 2.4 | Not Detected |
| Bromomethane | 0.94 | Not Detected | 3.6 | Not Detected |
| Chloroethane | 0.94 | Not Detected | 2.5 | Not Detected |
| Freon 11 | 0.94 | 0.35 J | 5.3 | 2.0 J |
| Freon 113 | 0.94 | 290 | 7.2 | 2200 |
| 1,1-Dichloroethene | 0.94 | 2.2 | 3.7 | 8.8 |
| Acetone | 4.7 | 140 | 11 | 340 |
| Carbon Disulfide | 4.7 | 0.42 J | 15 | 1.3 J |
| Methylene Chloride | 1.9 | 0.32 J | 6.5 | 1.1 J |
| Methyl tert-butyl ether | 0.94 | 2.3 | 3.4 | 8.2 |
| trans-1,2-Dichloroethene | 0.94 | 1.4 | 3.7 | 5.6 |
| 1,1-Dichloroethane | 0.94 | 23 | 3.8 | 95 |
| 2-Butanone (Methyl Ethyl Ketone) | 0.94 | 7.4 | 2.8 | 22 |
| cis-1,2-Dichloroethene | 0.94 | 2.0 | 3.7 | 8.1 |
| Chloroform | 0.94 | 1.2 | 4.6 | 5.7 |
| 1,1,1-Trichloroethane | 0.94 | 140 | 5.1 | 780 |
| Carbon Tetrachloride | 0.94 | Not Detected | 5.9 | Not Detected |
| Benzene | 0.94 | 3.0 | 3.0 | 9.4 |
| 1,2-Dichloroethane | 0.94 | Not Detected | 3.8 | Not Detected |
| 1,2-Dichloropropane | 0.94 | Not Detected | 4.3 | Not Detected |
| Bromodichloromethane | 0.94 | Not Detected | 6.3 | Not Detected |
| cis-1,3-Dichloropropene | 0.94 | Not Detected | 4.3 | Not Detected |
| 4-Methyl-2-pentanone | 0.94 | Not Detected | 3.8 | Not Detected |
| Toluene | 0.94 | 6.4 | 3.5 | 24 |
| trans-1,3-Dichloropropene | 0.94 | Not Detected | 4.3 | Not Detected |
| 1,1,2-Trichloroethane | 0.94 | Not Detected | 5.1 | Not Detected |
| Tetrachloroethene | 0.94 | 37 | 6.4 | 250 |
| Dibromochloromethane | 0.94 | Not Detected | 8.0 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.94 | Not Detected | 7.2 | Not Detected |
| Chlorobenzene | 0.94 | Not Detected | 4.3 | Not Detected |
| Ethyl Benzene | 0.94 | 1.0 | 4.1 | 4.4 |
| m,p-Xylene | 0.94 | 3.3 | 4.1 | 14 |
| o-Xylene | 0.94 | 0.54 J | 4.1 | 2.4 J |
| Styrene | 0.94 | Not Detected | 4.0 | Not Detected |
| Bromoform | 0.94 | Not Detected | 9.7 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.94 | Not Detected | 6.4 | Not Detected |
| 1,3-Dichlorobenzene | 0.94 | Not Detected | 5.6 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1003-45**

**Lab ID#: 0801438A-09A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012917 | Date of Collection: | 1/23/08 |
| Dil. Factor: | 9.40 | Date of Analysis: | 1/29/08 10:33 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.94 | Not Detected | 5.6 | Not Detected |
| 1,2-Dichlorobenzene | 0.94 | Not Detected | 5.6 | Not Detected |
| 1,2,4-Trichlorobenzene | 4.7 | Not Detected | 35 | Not Detected |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 70-130 |
| Toluene-d8 | 90 | 70-130 |
| 4-Bromofluorobenzene | 116 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1003-45**

**Lab ID#: 0801438A-09B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012917sim | Date of Collection: | 1/23/08 |
| Dil. Factor: | 9.40 | Date of Analysis: | 1/29/08 10:33 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.19 | 140 | 1.0 | 750 |

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | 70-130 |
| Toluene-d8 | 88 | 70-130 |
| 4-Bromofluorobenzene | 117 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1004-05.5**

**Lab ID#: 0801438A-02A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012818 | Date of Collection: 1/22/08 | |
| Dil. Factor: | 1.41 | Date of Analysis: 1/28/08 10:16 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.14 | 0.34 | 0.70 | 1.6 |
| Chloromethane | 0.14 | 0.40 | 0.29 | 0.83 |
| Vinyl Chloride | 0.14 | Not Detected | 0.36 | Not Detected |
| Bromomethane | 0.14 | Not Detected | 0.55 | Not Detected |
| Chloroethane | 0.14 | Not Detected | 0.37 | Not Detected |
| Freon 11 | 0.14 | 0.24 | 0.79 | 1.3 |
| Freon 113 | 0.14 | 0.52 | 1.1 | 4.0 |
| 1,1-Dichloroethene | 0.14 | Not Detected | 0.56 | Not Detected |
| Acetone | 0.70 | 140 E | 1.7 | 330 E |
| Carbon Disulfide | 0.70 | 1.2 | 2.2 | 3.6 |
| Methylene Chloride | 0.28 | Not Detected | 0.98 | Not Detected |
| Methyl tert-butyl ether | 0.14 | Not Detected | 0.51 | Not Detected |
| trans-1,2-Dichloroethene | 0.14 | Not Detected | 0.56 | Not Detected |
| 1,1-Dichloroethane | 0.14 | Not Detected | 0.57 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.14 | 5.4 | 0.42 | 16 |
| cis-1,2-Dichloroethene | 0.14 | Not Detected | 0.56 | Not Detected |
| Chloroform | 0.14 | Not Detected | 0.69 | Not Detected |
| 1,1,1-Trichloroethane | 0.14 | 0.71 | 0.77 | 3.9 |
| Carbon Tetrachloride | 0.14 | 0.11 J | 0.89 | 0.67 J |
| Benzene | 0.14 | 2.4 | 0.45 | 7.6 |
| 1,2-Dichloroethane | 0.14 | Not Detected | 0.57 | Not Detected |
| 1,2-Dichloropropane | 0.14 | Not Detected | 0.65 | Not Detected |
| Bromodichloromethane | 0.14 | Not Detected | 0.94 | Not Detected |
| cis-1,3-Dichloropropene | 0.14 | Not Detected | 0.64 | Not Detected |
| 4-Methyl-2-pentanone | 0.14 | 0.51 | 0.58 | 2.1 |
| Toluene | 0.14 | 8.6 | 0.53 | 32 |
| trans-1,3-Dichloropropene | 0.14 | Not Detected | 0.64 | Not Detected |
| 1,1,2-Trichloroethane | 0.14 | Not Detected | 0.77 | Not Detected |
| Tetrachloroethene | 0.14 | 3.3 | 0.96 | 22 |
| Dibromochloromethane | 0.14 | Not Detected | 1.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.14 | Not Detected | 1.1 | Not Detected |
| Chlorobenzene | 0.14 | 0.013 J | 0.65 | 0.061 J |
| Ethyl Benzene | 0.14 | 2.1 | 0.61 | 9.1 |
| m,p-Xylene | 0.14 | 7.4 | 0.61 | 32 |
| o-Xylene | 0.14 | 2.4 | 0.61 | 11 |
| Styrene | 0.14 | 0.18 | 0.60 | 0.76 |
| Bromoform | 0.14 | Not Detected | 1.4 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.14 | Not Detected | 0.97 | Not Detected |
| 1,3-Dichlorobenzene | 0.14 | Not Detected | 0.85 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1004-05.5**

**Lab ID#: 0801438A-02A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012818 | Date of Collection: | 1/22/08 |
| Dil. Factor: | 1.41 | Date of Analysis: | 1/28/08 10:16 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.14 | 0.13 J | 0.85 | 0.77 J |
| 1,2-Dichlorobenzene | 0.14 | Not Detected | 0.85 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.70 | Not Detected | 5.2 | Not Detected |

E = Exceeds instrument calibration range.
J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 96 | 70-130 |
| Toluene-d8 | 94 | 70-130 |
| 4-Bromofluorobenzene | 126 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1004-05.5**

**Lab ID#: 0801438A-02B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012818sim | Date of Collection: | 1/22/08 |
| Dil. Factor: | 1.41 | Date of Analysis: | 1/28/08 10:16 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.028 | 0.98 | 0.15 | 5.2 |

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | 70-130 |
| Toluene-d8 | 92 | 70-130 |
| 4-Bromofluorobenzene | 123 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1004-22**

**Lab ID#: 0801438A-03A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012819 | Date of Collection: | 1/22/08 |
| Dil. Factor: | 1.36 | Date of Analysis: | 1/28/08 11:38 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.14 | 0.38 | 0.67 | 1.9 |
| Chloromethane | 0.14 | 0.55 | 0.28 | 1.1 |
| Vinyl Chloride | 0.14 | Not Detected | 0.35 | Not Detected |
| Bromomethane | 0.14 | Not Detected | 0.53 | Not Detected |
| Chloroethane | 0.14 | Not Detected | 0.36 | Not Detected |
| Freon 11 | 0.14 | 0.27 | 0.76 | 1.5 |
| Freon 113 | 0.14 | 0.090 J | 1.0 | 0.69 J |
| 1,1-Dichloroethene | 0.14 | Not Detected | 0.54 | Not Detected |
| Acetone | 0.68 | 97 E | 1.6 | 230 E |
| Carbon Disulfide | 0.68 | 0.049 J | 2.1 | 0.15 J |
| Methylene Chloride | 0.27 | 0.10 J | 0.94 | 0.36 J |
| Methyl tert-butyl ether | 0.14 | Not Detected | 0.49 | Not Detected |
| trans-1,2-Dichloroethene | 0.14 | Not Detected | 0.54 | Not Detected |
| 1,1-Dichloroethane | 0.14 | Not Detected | 0.55 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.14 | 0.30 | 0.40 | 0.87 |
| cis-1,2-Dichloroethene | 0.14 | Not Detected | 0.54 | Not Detected |
| Chloroform | 0.14 | Not Detected | 0.66 | Not Detected |
| 1,1,1-Trichloroethane | 0.14 | Not Detected | 0.74 | Not Detected |
| Carbon Tetrachloride | 0.14 | 0.074 J | 0.86 | 0.47 J |
| Benzene | 0.14 | 0.43 | 0.43 | 1.4 |
| 1,2-Dichloroethane | 0.14 | Not Detected | 0.55 | Not Detected |
| 1,2-Dichloropropane | 0.14 | Not Detected | 0.63 | Not Detected |
| Bromodichloromethane | 0.14 | Not Detected | 0.91 | Not Detected |
| cis-1,3-Dichloropropene | 0.14 | Not Detected | 0.62 | Not Detected |
| 4-Methyl-2-pentanone | 0.14 | 0.026 J | 0.56 | 0.11 J |
| Toluene | 0.14 | 0.96 | 0.51 | 3.6 |
| trans-1,3-Dichloropropene | 0.14 | Not Detected | 0.62 | Not Detected |
| 1,1,2-Trichloroethane | 0.14 | Not Detected | 0.74 | Not Detected |
| Tetrachloroethene | 0.14 | 0.12 J | 0.92 | 0.80 J |
| Dibromochloromethane | 0.14 | Not Detected | 1.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.14 | Not Detected | 1.0 | Not Detected |
| Chlorobenzene | 0.14 | Not Detected | 0.63 | Not Detected |
| Ethyl Benzene | 0.14 | 0.12 J | 0.59 | 0.53 J |
| m,p-Xylene | 0.14 | 0.43 | 0.59 | 1.9 |
| o-Xylene | 0.14 | 0.14 | 0.59 | 0.63 |
| Styrene | 0.14 | 0.020 J | 0.58 | 0.084 J |
| Bromoform | 0.14 | Not Detected | 1.4 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.14 | Not Detected | 0.93 | Not Detected |
| 1,3-Dichlorobenzene | 0.14 | Not Detected | 0.82 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1004-22**

**Lab ID#: 0801438A-03A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012819 | Date of Collection: | 1/22/08 |
| Dil. Factor: | 1.36 | Date of Analysis: | 1/28/08 11:38 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.14 | 0.14 | 0.82 | 0.84 |
| 1,2-Dichlorobenzene | 0.14 | Not Detected | 0.82 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.68 | Not Detected | 5.0 | Not Detected |

J = Estimated value.
E = Exceeds instrument calibration range.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 95 | 70-130 |
| Toluene-d8 | 94 | 70-130 |
| 4-Bromofluorobenzene | 118 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1004-22**

**Lab ID#: 0801438A-03B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012819sim | Date of Collection: | 1/22/08 |
| Dil. Factor: | 1.36 | Date of Analysis: | 1/28/08 11:38 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.027 | 0.022 J | 0.15 | 0.12 J |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 92 | 70-130 |
| Toluene-d8 | 93 | 70-130 |
| 4-Bromofluorobenzene | 119 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1004-46**

**Lab ID#: 0801481-06A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020519 | Date of Collection: | 1/25/08 |
| Dil. Factor: | 8.67 | Date of Analysis: | 2/6/08 02:42 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.87 | Not Detected | 4.3 | Not Detected |
| Chloromethane | 0.87 | Not Detected | 1.8 | Not Detected |
| Vinyl Chloride | 0.87 | Not Detected | 2.2 | Not Detected |
| Bromomethane | 0.87 | Not Detected | 3.4 | Not Detected |
| Chloroethane | 0.87 | Not Detected | 2.3 | Not Detected |
| Freon 11 | 0.87 | 0.30 J | 4.9 | 1.7 J |
| Freon 113 | 0.87 | 78 | 6.6 | 600 |
| 1,1-Dichloroethene | 0.87 | 1.0 | 3.4 | 4.1 |
| Acetone | 4.3 | 200 | 10 | 470 |
| Carbon Disulfide | 4.3 | 0.50 J | 13 | 1.6 J |
| Methylene Chloride | 1.7 | 0.62 J | 6.0 | 2.2 J |
| Methyl tert-butyl ether | 0.87 | Not Detected | 3.1 | Not Detected |
| trans-1,2-Dichloroethene | 0.87 | 5.6 | 3.4 | 22 |
| 1,1-Dichloroethane | 0.87 | 110 | 3.5 | 460 |
| 2-Butanone (Methyl Ethyl Ketone) | 0.87 | 5.2 | 2.6 | 15 |
| cis-1,2-Dichloroethene | 0.87 | 20 | 3.4 | 79 |
| Chloroform | 0.87 | 0.53 J | 4.2 | 2.6 J |
| 1,1,1-Trichloroethane | 0.87 | 79 | 4.7 | 430 |
| Carbon Tetrachloride | 0.87 | Not Detected | 5.4 | Not Detected |
| Benzene | 0.87 | 1.6 | 2.8 | 5.2 |
| 1,2-Dichloroethane | 0.87 | Not Detected | 3.5 | Not Detected |
| 1,2-Dichloropropane | 0.87 | Not Detected | 4.0 | Not Detected |
| Bromodichloromethane | 0.87 | Not Detected | 5.8 | Not Detected |
| cis-1,3-Dichloropropene | 0.87 | Not Detected | 3.9 | Not Detected |
| 4-Methyl-2-pentanone | 0.87 | Not Detected | 3.6 | Not Detected |
| Toluene | 0.87 | 4.0 | 3.3 | 15 |
| trans-1,3-Dichloropropene | 0.87 | Not Detected | 3.9 | Not Detected |
| 1,1,2-Trichloroethane | 0.87 | Not Detected | 4.7 | Not Detected |
| Tetrachloroethene | 0.87 | 11 | 5.9 | 78 |
| Dibromochloromethane | 0.87 | Not Detected | 7.4 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.87 | Not Detected | 6.7 | Not Detected |
| Chlorobenzene | 0.87 | Not Detected | 4.0 | Not Detected |
| Ethyl Benzene | 0.87 | 0.63 J | 3.8 | 2.7 J |
| m,p-Xylene | 0.87 | 1.7 | 3.8 | 7.4 |
| o-Xylene | 0.87 | 0.38 J | 3.8 | 1.6 J |
| Styrene | 0.87 | Not Detected | 3.7 | Not Detected |
| Bromoform | 0.87 | Not Detected | 9.0 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.87 | Not Detected | 6.0 | Not Detected |
| 1,3-Dichlorobenzene | 0.87 | Not Detected | 5.2 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1004-46**

**Lab ID#: 0801481-06A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020519 | Date of Collection: 1/25/08 | |
| Dil. Factor: | 8.67 | Date of Analysis: 2/6/08 02:42 AM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.87 | Not Detected | 5.2 | Not Detected |
| 1,2-Dichlorobenzene | 0.87 | Not Detected | 5.2 | Not Detected |
| 1,2,4-Trichlorobenzene | 4.3 | Not Detected | 32 | Not Detected |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 118 | 70-130 |
| Toluene-d8 | 100 | 70-130 |
| 4-Bromofluorobenzene | 113 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1004-46**

**Lab ID#: 0801481-06B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020519sim | Date of Collection: | 1/25/08 |
| Dil. Factor: | 8.67 | Date of Analysis: | 2/6/08 02:42 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.17 | 150 | 0.93 | 820 |

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 107 | 70-130 |
| Toluene-d8 | 86 | 70-130 |
| 4-Bromofluorobenzene | 124 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1005-08**

**Lab ID#: 0801530-04A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020719 | Date of Collection: | 1/28/08 |
| Dil. Factor: | 1.39 | Date of Analysis: | 2/7/08 09:45 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.14 | 0.37 | 0.69 | 1.8 |
| Chloromethane | 0.14 | 0.38 | 0.29 | 0.79 |
| Vinyl Chloride | 0.14 | Not Detected | 0.36 | Not Detected |
| Bromomethane | 0.14 | 0.070 J | 0.54 | 0.27 J |
| Chloroethane | 0.14 | Not Detected | 0.37 | Not Detected |
| Freon 11 | 0.14 | 0.23 | 0.78 | 1.3 |
| Freon 113 | 0.14 | 0.31 | 1.1 | 2.4 |
| 1,1-Dichloroethene | 0.14 | Not Detected | 0.55 | Not Detected |
| Acetone | 0.70 | 97 E | 1.6 | 230 E |
| Carbon Disulfide | 0.70 | 0.79 | 2.2 | 2.5 |
| Methylene Chloride | 0.28 | Not Detected | 0.96 | Not Detected |
| Methyl tert-butyl ether | 0.14 | Not Detected | 0.50 | Not Detected |
| trans-1,2-Dichloroethene | 0.14 | Not Detected | 0.55 | Not Detected |
| 1,1-Dichloroethane | 0.14 | Not Detected | 0.56 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.14 | 3.9 | 0.41 | 11 |
| cis-1,2-Dichloroethene | 0.14 | Not Detected | 0.55 | Not Detected |
| Chloroform | 0.14 | Not Detected | 0.68 | Not Detected |
| 1,1,1-Trichloroethane | 0.14 | 0.62 | 0.76 | 3.4 |
| Carbon Tetrachloride | 0.14 | 0.048 J | 0.87 | 0.30 J |
| Benzene | 0.14 | 2.2 | 0.44 | 7.1 |
| 1,2-Dichloroethane | 0.14 | Not Detected | 0.56 | Not Detected |
| 1,2-Dichloropropane | 0.14 | Not Detected | 0.64 | Not Detected |
| Bromodichloromethane | 0.14 | Not Detected | 0.93 | Not Detected |
| cis-1,3-Dichloropropene | 0.14 | Not Detected | 0.63 | Not Detected |
| 4-Methyl-2-pentanone | 0.14 | Not Detected | 0.57 | Not Detected |
| Toluene | 0.14 | 2.8 | 0.52 | 10 |
| trans-1,3-Dichloropropene | 0.14 | Not Detected | 0.63 | Not Detected |
| 1,1,2-Trichloroethane | 0.14 | Not Detected | 0.76 | Not Detected |
| Tetrachloroethene | 0.14 | 2.2 | 0.94 | 15 |
| Dibromochloromethane | 0.14 | Not Detected | 1.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.14 | Not Detected | 1.1 | Not Detected |
| Chlorobenzene | 0.14 | Not Detected | 0.64 | Not Detected |
| Ethyl Benzene | 0.14 | 0.43 | 0.60 | 1.8 |
| m,p-Xylene | 0.14 | 1.2 | 0.60 | 5.1 |
| o-Xylene | 0.14 | 0.28 | 0.60 | 1.2 |
| Styrene | 0.14 | 0.060 J | 0.59 | 0.26 J |
| Bromoform | 0.14 | Not Detected | 1.4 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.14 | Not Detected | 0.95 | Not Detected |
| 1,3-Dichlorobenzene | 0.14 | Not Detected | 0.84 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1005-08**

**Lab ID#: 0801530-04A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020719 | Date of Collection: | 1/28/08 |
| Dil. Factor: | 1.39 | Date of Analysis: | 2/7/08 09:45 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.14 | Not Detected | 0.84 | Not Detected |
| 1,2-Dichlorobenzene | 0.14 | Not Detected | 0.84 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.70 | Not Detected | 5.2 | Not Detected |

J = Estimated value.
E = Exceeds instrument calibration range.
**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 89 | 70-130 |
| Toluene-d8 | 101 | 70-130 |
| 4-Bromofluorobenzene | 100 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1005-08**

**Lab ID#: 0801530-04B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020719sim | Date of Collection: | 1/28/08 |
| Dil. Factor: | 1.39 | Date of Analysis: | 2/7/08 09:45 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.028 | 0.27 | 0.15 | 1.5 |

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 90 | 70-130 |
| Toluene-d8 | 103 | 70-130 |
| 4-Bromofluorobenzene | 97 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1005-20**

**Lab ID#: 0801530-03A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020718 | Date of Collection: | 1/28/08 |
| Dil. Factor: | 1.44 | Date of Analysis: | 2/7/08 09:13 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.14 | 0.32 | 0.71 | 1.6 |
| Chloromethane | 0.14 | 0.17 | 0.30 | 0.34 |
| Vinyl Chloride | 0.14 | Not Detected | 0.37 | Not Detected |
| Bromomethane | 0.14 | Not Detected | 0.56 | Not Detected |
| Chloroethane | 0.14 | Not Detected | 0.38 | Not Detected |
| Freon 11 | 0.14 | 0.29 | 0.81 | 1.6 |
| Freon 113 | 0.14 | 0.39 | 1.1 | 3.0 |
| 1,1-Dichloroethene | 0.14 | Not Detected | 0.57 | Not Detected |
| Acetone | 0.72 | 210 E | 1.7 | 490 E |
| Carbon Disulfide | 0.72 | 1.5 | 2.2 | 4.6 |
| Methylene Chloride | 0.29 | Not Detected | 1.0 | Not Detected |
| Methyl tert-butyl ether | 0.14 | Not Detected | 0.52 | Not Detected |
| trans-1,2-Dichloroethene | 0.14 | Not Detected | 0.57 | Not Detected |
| 1,1-Dichloroethane | 0.14 | Not Detected | 0.58 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.14 | 18 | 0.42 | 53 |
| cis-1,2-Dichloroethene | 0.14 | Not Detected | 0.57 | Not Detected |
| Chloroform | 0.14 | 0.35 | 0.70 | 1.7 |
| 1,1,1-Trichloroethane | 0.14 | 2.1 | 0.78 | 11 |
| Carbon Tetrachloride | 0.14 | Not Detected | 0.91 | Not Detected |
| Benzene | 0.14 | 6.9 | 0.46 | 22 |
| 1,2-Dichloroethane | 0.14 | Not Detected | 0.58 | Not Detected |
| 1,2-Dichloropropane | 0.14 | Not Detected | 0.66 | Not Detected |
| Bromodichloromethane | 0.14 | Not Detected | 0.96 | Not Detected |
| cis-1,3-Dichloropropene | 0.14 | Not Detected | 0.65 | Not Detected |
| 4-Methyl-2-pentanone | 0.14 | 0.43 | 0.59 | 1.8 |
| Toluene | 0.14 | 9.9 | 0.54 | 37 |
| trans-1,3-Dichloropropene | 0.14 | Not Detected | 0.65 | Not Detected |
| 1,1,2-Trichloroethane | 0.14 | Not Detected | 0.78 | Not Detected |
| Tetrachloroethene | 0.14 | 8.7 | 0.98 | 59 |
| Dibromochloromethane | 0.14 | Not Detected | 1.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.14 | Not Detected | 1.1 | Not Detected |
| Chlorobenzene | 0.14 | Not Detected | 0.66 | Not Detected |
| Ethyl Benzene | 0.14 | 1.5 | 0.62 | 6.4 |
| m,p-Xylene | 0.14 | 2.8 | 0.62 | 12 |
| o-Xylene | 0.14 | 0.73 | 0.62 | 3.2 |
| Styrene | 0.14 | 0.21 | 0.61 | 0.89 |
| Bromoform | 0.14 | Not Detected | 1.5 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.14 | Not Detected | 0.99 | Not Detected |
| 1,3-Dichlorobenzene | 0.14 | Not Detected | 0.86 | Not Detected |

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1005-20**

**Lab ID#: 0801530-03A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020718 | Date of Collection: | 1/28/08 |
| Dil. Factor: | 1.44 | Date of Analysis: | 2/7/08 09:13 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.14 | Not Detected | 0.86 | Not Detected |
| 1,2-Dichlorobenzene | 0.14 | Not Detected | 0.86 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.72 | Not Detected | 5.3 | Not Detected |

E = Exceeds instrument calibration range.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 94 | 70-130 |
| Toluene-d8 | 104 | 70-130 |
| 4-Bromofluorobenzene | 96 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1005-20**

**Lab ID#: 0801530-03B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020718sim | Date of Collection: 1/28/08 | |
| Dil. Factor: | 1.44 | Date of Analysis: 2/7/08 09:13 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.029 | 3.0 | 0.15 | 16 |

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 95 | 70-130 |
| Toluene-d8 | 104 | 70-130 |
| 4-Bromofluorobenzene | 94 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1005-45**

**Lab ID#: 0801530-02A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020717 | Date of Collection: | 1/28/08 |
| Dil. Factor: | 1.46 | Date of Analysis: | 2/7/08 08:42 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.15 | 0.28 | 0.72 | 1.4 |
| Chloromethane | 0.15 | 0.089 J | 0.30 | 0.18 J |
| Vinyl Chloride | 0.15 | Not Detected | 0.37 | Not Detected |
| Bromomethane | 0.15 | Not Detected | 0.57 | Not Detected |
| Chloroethane | 0.15 | Not Detected | 0.38 | Not Detected |
| Freon 11 | 0.15 | 0.41 | 0.82 | 2.3 |
| Freon 113 | 0.15 | 2.0 | 1.1 | 15 |
| 1,1-Dichloroethene | 0.15 | Not Detected | 0.58 | Not Detected |
| Acetone | 0.73 | 310 E | 1.7 | 740 E |
| Carbon Disulfide | 0.73 | 0.73 | 2.3 | 2.3 |
| Methylene Chloride | 0.29 | Not Detected | 1.0 | Not Detected |
| Methyl tert-butyl ether | 0.15 | Not Detected | 0.53 | Not Detected |
| trans-1,2-Dichloroethene | 0.15 | Not Detected | 0.58 | Not Detected |
| 1,1-Dichloroethane | 0.15 | Not Detected | 0.59 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.15 | 12 | 0.43 | 37 |
| cis-1,2-Dichloroethene | 0.15 | Not Detected | 0.58 | Not Detected |
| Chloroform | 0.15 | 0.26 | 0.71 | 1.2 |
| 1,1,1-Trichloroethane | 0.15 | 5.0 | 0.80 | 27 |
| Carbon Tetrachloride | 0.15 | 0.045 J | 0.92 | 0.28 J |
| Benzene | 0.15 | 2.6 | 0.47 | 8.4 |
| 1,2-Dichloroethane | 0.15 | Not Detected | 0.59 | Not Detected |
| 1,2-Dichloropropane | 0.15 | Not Detected | 0.67 | Not Detected |
| Bromodichloromethane | 0.15 | Not Detected | 0.98 | Not Detected |
| cis-1,3-Dichloropropene | 0.15 | Not Detected | 0.66 | Not Detected |
| 4-Methyl-2-pentanone | 0.15 | Not Detected | 0.60 | Not Detected |
| Toluene | 0.15 | 8.1 | 0.55 | 30 |
| trans-1,3-Dichloropropene | 0.15 | Not Detected | 0.66 | Not Detected |
| 1,1,2-Trichloroethane | 0.15 | Not Detected | 0.80 | Not Detected |
| Tetrachloroethene | 0.15 | 8.8 | 0.99 | 60 |
| Dibromochloromethane | 0.15 | Not Detected | 1.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.15 | Not Detected | 1.1 | Not Detected |
| Chlorobenzene | 0.15 | Not Detected | 0.67 | Not Detected |
| Ethyl Benzene | 0.15 | 1.1 | 0.63 | 4.7 |
| m,p-Xylene | 0.15 | 3.1 | 0.63 | 13 |
| o-Xylene | 0.15 | 0.59 | 0.63 | 2.6 |
| Styrene | 0.15 | 0.11 J | 0.62 | 0.46 J |
| Bromoform | 0.15 | Not Detected | 1.5 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.15 | Not Detected | 1.0 | Not Detected |
| 1,3-Dichlorobenzene | 0.15 | Not Detected | 0.88 | Not Detected |

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1005-45**

**Lab ID#: 0801530-02A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020717 | Date of Collection: 1/28/08 | |
| Dil. Factor: | 1.46 | Date of Analysis: 2/7/08 08:42 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.15 | Not Detected | 0.88 | Not Detected |
| 1,2-Dichlorobenzene | 0.15 | Not Detected | 0.88 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.73 | Not Detected | 5.4 | Not Detected |

J = Estimated value.
E = Exceeds instrument calibration range.
**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 91 | 70-130 |
| Toluene-d8 | 112 | 70-130 |
| 4-Bromofluorobenzene | 102 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1005-45**

**Lab ID#: 0801530-02B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020717sim | Date of Collection: | 1/28/08 |
| Dil. Factor: | 1.46 | Date of Analysis: | 2/7/08 08:42 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.029 | 13 | 0.16 | 71 |

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | 70-130 |
| Toluene-d8 | 112 | 70-130 |
| 4-Bromofluorobenzene | 99 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1006-07**

**Lab ID#: 0801530-08A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020720 | Date of Collection: | 1/29/08 |
| Dil. Factor: | 1.39 | Date of Analysis: | 2/7/08 10:36 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.14 | 0.33 | 0.69 | 1.6 |
| Chloromethane | 0.14 | 0.12 J | 0.29 | 0.25 J |
| Vinyl Chloride | 0.14 | Not Detected | 0.36 | Not Detected |
| Bromomethane | 0.14 | Not Detected | 0.54 | Not Detected |
| Chloroethane | 0.14 | Not Detected | 0.37 | Not Detected |
| Freon 11 | 0.14 | 0.20 | 0.78 | 1.1 |
| Freon 113 | 0.14 | 0.096 J | 1.1 | 0.73 J |
| 1,1-Dichloroethene | 0.14 | Not Detected | 0.55 | Not Detected |
| Acetone | 0.70 | 45 | 1.6 | 110 |
| Carbon Disulfide | 0.70 | 1.0 | 2.2 | 3.2 |
| Methylene Chloride | 0.28 | Not Detected | 0.96 | Not Detected |
| Methyl tert-butyl ether | 0.14 | Not Detected | 0.50 | Not Detected |
| trans-1,2-Dichloroethene | 0.14 | Not Detected | 0.55 | Not Detected |
| 1,1-Dichloroethane | 0.14 | Not Detected | 0.56 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.14 | 8.8 | 0.41 | 26 |
| cis-1,2-Dichloroethene | 0.14 | Not Detected | 0.55 | Not Detected |
| Chloroform | 0.14 | 0.49 | 0.68 | 2.4 |
| 1,1,1-Trichloroethane | 0.14 | 0.065 J | 0.76 | 0.35 J |
| Carbon Tetrachloride | 0.14 | 6.6 | 0.87 | 41 |
| Benzene | 0.14 | 1.6 | 0.44 | 5.1 |
| 1,2-Dichloroethane | 0.14 | Not Detected | 0.56 | Not Detected |
| 1,2-Dichloropropane | 0.14 | Not Detected | 0.64 | Not Detected |
| Bromodichloromethane | 0.14 | Not Detected | 0.93 | Not Detected |
| cis-1,3-Dichloropropene | 0.14 | Not Detected | 0.63 | Not Detected |
| 4-Methyl-2-pentanone | 0.14 | 0.16 | 0.57 | 0.66 |
| Toluene | 0.14 | 2.3 | 0.52 | 8.8 |
| trans-1,3-Dichloropropene | 0.14 | Not Detected | 0.63 | Not Detected |
| 1,1,2-Trichloroethane | 0.14 | Not Detected | 0.76 | Not Detected |
| Tetrachloroethene | 0.14 | 2.9 | 0.94 | 19 |
| Dibromochloromethane | 0.14 | Not Detected | 1.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.14 | Not Detected | 1.1 | Not Detected |
| Chlorobenzene | 0.14 | Not Detected | 0.64 | Not Detected |
| Ethyl Benzene | 0.14 | 0.42 | 0.60 | 1.8 |
| m,p-Xylene | 0.14 | 1.1 | 0.60 | 5.0 |
| o-Xylene | 0.14 | 0.36 | 0.60 | 1.6 |
| Styrene | 0.14 | 0.11 J | 0.59 | 0.46 J |
| Bromoform | 0.14 | Not Detected | 1.4 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.14 | Not Detected | 0.95 | Not Detected |
| 1,3-Dichlorobenzene | 0.14 | Not Detected | 0.84 | Not Detected |

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1006-07**

**Lab ID#: 0801530-08A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020720 | Date of Collection: | 1/29/08 |
| Dil. Factor: | 1.39 | Date of Analysis: | 2/7/08 10:36 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.14 | Not Detected | 0.84 | Not Detected |
| 1,2-Dichlorobenzene | 0.14 | Not Detected | 0.84 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.70 | Not Detected | 5.2 | Not Detected |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 90 | 70-130 |
| Toluene-d8 | 101 | 70-130 |
| 4-Bromofluorobenzene | 103 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1006-07**

**Lab ID#: 0801530-08B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020720sim | Date of Collection: | 1/29/08 |
| Dil. Factor: | 1.39 | Date of Analysis: | 2/7/08 10:36 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.028 | 0.22 | 0.15 | 1.2 |

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 91 | 70-130 |
| Toluene-d8 | 101 | 70-130 |
| 4-Bromofluorobenzene | 98 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1006-20**

**Lab ID#: 0801530-06A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020722 | Date of Collection: | 1/28/08 |
| Dil. Factor: | 1.34 | Date of Analysis: | 2/8/08 08:26 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.13 | 0.28 | 0.66 | 1.4 |
| Chloromethane | 0.13 | Not Detected | 0.28 | Not Detected |
| Vinyl Chloride | 0.13 | Not Detected | 0.34 | Not Detected |
| Bromomethane | 0.13 | Not Detected | 0.52 | Not Detected |
| Chloroethane | 0.13 | Not Detected | 0.35 | Not Detected |
| Freon 11 | 0.13 | 0.30 | 0.75 | 1.7 |
| Freon 113 | 0.13 | 0.083 J | 1.0 | 0.64 J |
| 1,1-Dichloroethene | 0.13 | Not Detected | 0.53 | Not Detected |
| Acetone | 0.67 | 68 E | 1.6 | 160 E |
| Carbon Disulfide | 0.67 | 1.5 | 2.1 | 4.7 |
| Methylene Chloride | 0.27 | Not Detected | 0.93 | Not Detected |
| Methyl tert-butyl ether | 0.13 | Not Detected | 0.48 | Not Detected |
| trans-1,2-Dichloroethene | 0.13 | Not Detected | 0.53 | Not Detected |
| 1,1-Dichloroethane | 0.13 | Not Detected | 0.54 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.13 | 7.0 | 0.40 | 21 |
| cis-1,2-Dichloroethene | 0.13 | Not Detected | 0.53 | Not Detected |
| Chloroform | 0.13 | 11 | 0.65 | 53 |
| 1,1,1-Trichloroethane | 0.13 | 0.10 J | 0.73 | 0.58 J |
| Carbon Tetrachloride | 0.13 | 20 | 0.84 | 130 |
| Benzene | 0.13 | 2.2 | 0.43 | 7.2 |
| 1,2-Dichloroethane | 0.13 | Not Detected | 0.54 | Not Detected |
| 1,2-Dichloropropane | 0.13 | Not Detected | 0.62 | Not Detected |
| Bromodichloromethane | 0.13 | Not Detected | 0.90 | Not Detected |
| cis-1,3-Dichloropropene | 0.13 | Not Detected | 0.61 | Not Detected |
| 4-Methyl-2-pentanone | 0.13 | Not Detected | 0.55 | Not Detected |
| Toluene | 0.13 | 4.8 | 0.50 | 18 |
| trans-1,3-Dichloropropene | 0.13 | Not Detected | 0.61 | Not Detected |
| 1,1,2-Trichloroethane | 0.13 | Not Detected | 0.73 | Not Detected |
| Tetrachloroethene | 0.13 | 4.1 | 0.91 | 28 |
| Dibromochloromethane | 0.13 | Not Detected | 1.1 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.13 | Not Detected | 1.0 | Not Detected |
| Chlorobenzene | 0.13 | Not Detected | 0.62 | Not Detected |
| Ethyl Benzene | 0.13 | 0.73 | 0.58 | 3.2 |
| m,p-Xylene | 0.13 | 1.9 | 0.58 | 8.4 |
| o-Xylene | 0.13 | 0.52 | 0.58 | 2.2 |
| Styrene | 0.13 | 0.17 | 0.57 | 0.74 |
| Bromoform | 0.13 | Not Detected | 1.4 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.13 | Not Detected | 0.92 | Not Detected |
| 1,3-Dichlorobenzene | 0.13 | Not Detected | 0.80 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1006-20**

**Lab ID#: 0801530-06A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020722 | Date of Collection: | 1/28/08 |
| Dil. Factor: | 1.34 | Date of Analysis: | 2/8/08 08:26 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.13 | Not Detected | 0.80 | Not Detected |
| 1,2-Dichlorobenzene | 0.13 | Not Detected | 0.80 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.67 | Not Detected | 5.0 | Not Detected |

J = Estimated value.
E = Exceeds instrument calibration range.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 90 | 70-130 |
| Toluene-d8 | 101 | 70-130 |
| 4-Bromofluorobenzene | 101 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1006-20**

**Lab ID#: 0801530-06B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020722sim | Date of Collection: | 1/28/08 |
| Dil. Factor: | 1.34 | Date of Analysis: | 2/8/08 08:26 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.027 | 0.36 | 0.14 | 2.0 |

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 88 | 70-130 |
| Toluene-d8 | 102 | 70-130 |
| 4-Bromofluorobenzene | 100 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1006-45**

**Lab ID#: 0801530-05A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020721 | Date of Collection: | 1/28/08 |
| Dil. Factor: | 1.39 | Date of Analysis: | 2/8/08 07:38 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.14 | 0.24 | 0.69 | 1.2 |
| Chloromethane | 0.14 | 0.24 | 0.29 | 0.50 |
| Vinyl Chloride | 0.14 | Not Detected | 0.36 | Not Detected |
| Bromomethane | 0.14 | Not Detected | 0.54 | Not Detected |
| Chloroethane | 0.14 | Not Detected | 0.37 | Not Detected |
| Freon 11 | 0.14 | 0.25 | 0.78 | 1.4 |
| Freon 113 | 0.14 | 0.091 J | 1.1 | 0.70 J |
| 1,1-Dichloroethene | 0.14 | Not Detected | 0.55 | Not Detected |
| Acetone | 0.70 | 240 E | 1.6 | 570 E |
| Carbon Disulfide | 0.70 | 0.76 | 2.2 | 2.4 |
| Methylene Chloride | 0.28 | Not Detected | 0.96 | Not Detected |
| Methyl tert-butyl ether | 0.14 | Not Detected | 0.50 | Not Detected |
| trans-1,2-Dichloroethene | 0.14 | Not Detected | 0.55 | Not Detected |
| 1,1-Dichloroethane | 0.14 | Not Detected | 0.56 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.14 | 17 | 0.41 | 50 |
| cis-1,2-Dichloroethene | 0.14 | Not Detected | 0.55 | Not Detected |
| Chloroform | 0.14 | 5.7 | 0.68 | 28 |
| 1,1,1-Trichloroethane | 0.14 | 0.17 | 0.76 | 0.95 |
| Carbon Tetrachloride | 0.14 | 16 | 0.87 | 99 |
| Benzene | 0.14 | 7.1 | 0.44 | 23 |
| 1,2-Dichloroethane | 0.14 | Not Detected | 0.56 | Not Detected |
| 1,2-Dichloropropane | 0.14 | Not Detected | 0.64 | Not Detected |
| Bromodichloromethane | 0.14 | Not Detected | 0.93 | Not Detected |
| cis-1,3-Dichloropropene | 0.14 | Not Detected | 0.63 | Not Detected |
| 4-Methyl-2-pentanone | 0.14 | Not Detected | 0.57 | Not Detected |
| Toluene | 0.14 | 10 | 0.52 | 40 |
| trans-1,3-Dichloropropene | 0.14 | Not Detected | 0.63 | Not Detected |
| 1,1,2-Trichloroethane | 0.14 | Not Detected | 0.76 | Not Detected |
| Tetrachloroethene | 0.14 | 6.5 | 0.94 | 44 |
| Dibromochloromethane | 0.14 | Not Detected | 1.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.14 | Not Detected | 1.1 | Not Detected |
| Chlorobenzene | 0.14 | Not Detected | 0.64 | Not Detected |
| Ethyl Benzene | 0.14 | 1.2 | 0.60 | 5.2 |
| m,p-Xylene | 0.14 | 3.1 | 0.60 | 14 |
| o-Xylene | 0.14 | 0.63 | 0.60 | 2.7 |
| Styrene | 0.14 | 0.13 J | 0.59 | 0.54 J |
| Bromoform | 0.14 | Not Detected | 1.4 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.14 | Not Detected | 0.95 | Not Detected |
| 1,3-Dichlorobenzene | 0.14 | Not Detected | 0.84 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1006-45**

**Lab ID#: 0801530-05A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020721 | Date of Collection: | 1/28/08 |
| Dil. Factor: | 1.39 | Date of Analysis: | 2/8/08 07:38 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.14 | Not Detected | 0.84 | Not Detected |
| 1,2-Dichlorobenzene | 0.14 | Not Detected | 0.84 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.70 | Not Detected | 5.2 | Not Detected |

J = Estimated value.
E = Exceeds instrument calibration range.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 92 | 70-130 |
| Toluene-d8 | 103 | 70-130 |
| 4-Bromofluorobenzene | 103 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-SG1006-45**

**Lab ID#: 0801530-05B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020721sim | Date of Collection: | 1/28/08 |
| Dil. Factor: | 1.39 | Date of Analysis: | 2/8/08 07:38 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.028 | 0.39 | 0.15 | 2.1 |

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 91 | 70-130 |
| Toluene-d8 | 102 | 70-130 |
| 4-Bromofluorobenzene | 102 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: SVPM115-24**

**Lab ID#: 0801438C-10A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013118 | Date of Collection: | 1/23/08 |
| Dil. Factor: | 10.9 | Date of Analysis: | 1/31/08 09:05 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 5.4 | Not Detected | 27 | Not Detected |
| Chloromethane | 22 | Not Detected | 45 | Not Detected |
| Vinyl Chloride | 5.4 | Not Detected | 14 | Not Detected |
| Bromomethane | 5.4 | Not Detected | 21 | Not Detected |
| Chloroethane | 5.4 | Not Detected | 14 | Not Detected |
| Freon 11 | 5.4 | Not Detected | 31 | Not Detected |
| Freon 113 | 5.4 | 640 | 42 | 4900 |
| 1,1-Dichloroethene | 5.4 | Not Detected | 22 | Not Detected |
| Acetone | 22 | 21 J | 52 | 49 J |
| Carbon Disulfide | 5.4 | Not Detected | 17 | Not Detected |
| Methylene Chloride | 5.4 | Not Detected | 19 | Not Detected |
| Methyl tert-butyl ether | 5.4 | Not Detected | 20 | Not Detected |
| trans-1,2-Dichloroethene | 5.4 | 16 | 22 | 64 |
| 1,1-Dichloroethane | 5.4 | 16 | 22 | 63 |
| 2-Butanone (Methyl Ethyl Ketone) | 5.4 | Not Detected | 16 | Not Detected |
| cis-1,2-Dichloroethene | 5.4 | 220 | 22 | 860 |
| Chloroform | 5.4 | Not Detected | 27 | Not Detected |
| 1,1,1-Trichloroethane | 5.4 | 440 | 30 | 2400 |
| Carbon Tetrachloride | 5.4 | Not Detected | 34 | Not Detected |
| Benzene | 5.4 | Not Detected | 17 | Not Detected |
| 1,2-Dichloroethane | 5.4 | Not Detected | 22 | Not Detected |
| Trichloroethene | 5.4 | 1300 | 29 | 7200 |
| 1,2-Dichloropropane | 5.4 | Not Detected | 25 | Not Detected |
| Bromodichloromethane | 5.4 | Not Detected | 36 | Not Detected |
| cis-1,3-Dichloropropene | 5.4 | Not Detected | 25 | Not Detected |
| 4-Methyl-2-pentanone | 5.4 | Not Detected | 22 | Not Detected |
| Toluene | 5.4 | 6.0 | 20 | 23 |
| trans-1,3-Dichloropropene | 5.4 | Not Detected | 25 | Not Detected |
| 1,1,2-Trichloroethane | 5.4 | Not Detected | 30 | Not Detected |
| Tetrachloroethene | 5.4 | 780 | 37 | 5300 |
| Dibromochloromethane | 5.4 | Not Detected | 46 | Not Detected |
| 1,2-Dibromoethane (EDB) | 5.4 | Not Detected | 42 | Not Detected |
| Chlorobenzene | 5.4 | Not Detected | 25 | Not Detected |
| Ethyl Benzene | 5.4 | Not Detected | 24 | Not Detected |
| m,p-Xylene | 5.4 | 5.9 | 24 | 26 |
| o-Xylene | 5.4 | 2.8 J | 24 | 12 J |
| Styrene | 5.4 | Not Detected | 23 | Not Detected |
| Bromoform | 5.4 | Not Detected | 56 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 5.4 | Not Detected | 37 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: SVPM115-24**

**Lab ID#: 0801438C-10A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013118 | Date of Collection: | 1/23/08 |
| Dil. Factor: | 10.9 | Date of Analysis: | 1/31/08 09:05 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,3-Dichlorobenzene | 5.4 | Not Detected | 33 | Not Detected |
| 1,4-Dichlorobenzene | 5.4 | Not Detected | 33 | Not Detected |
| 1,2-Dichlorobenzene | 5.4 | Not Detected | 33 | Not Detected |
| 1,2,4-Trichlorobenzene | 22 | Not Detected U J | 160 | Not Detected U J |

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 |
|---|---|---|
| Toluene-d8 | 100 | 70-130 |
| 1,2-Dichloroethane-d4 | 119 | 70-130 |
| 4-Bromofluorobenzene | 100 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: SVPM11-49**

**Lab ID#: 0801438B-11A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012812 | Date of Collection: 1/23/08 | |
| Dil. Factor: | 1.36 | Date of Analysis: 1/29/08 06:39 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.14 | 0.36 | 0.67 | 1.8 |
| Chloromethane | 0.14 | 0.52 | 0.28 | 1.1 |
| Vinyl Chloride | 0.14 | Not Detected | 0.35 | Not Detected |
| Bromomethane | 0.14 | Not Detected | 0.53 | Not Detected |
| Chloroethane | 0.14 | Not Detected | 0.36 | Not Detected |
| Freon 11 | 0.14 | 0.22 | 0.76 | 1.2 |
| Freon 113 | 0.14 | 0.10 J | 1.0 | 0.79 J |
| 1,1-Dichloroethene | 0.14 | Not Detected | 0.54 | Not Detected |
| Acetone | 0.68 | 3.9 | 1.6 | 9.3 |
| Carbon Disulfide | 0.68 | Not Detected | 2.1 | Not Detected |
| Methylene Chloride | 0.27 | 0.14 J | 0.94 | 0.49 J |
| Methyl tert-butyl ether | 0.14 | Not Detected | 0.49 | Not Detected |
| trans-1,2-Dichloroethene | 0.14 | Not Detected | 0.54 | Not Detected |
| 1,1-Dichloroethane | 0.14 | Not Detected | 0.55 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.14 | 0.25 | 0.40 | 0.75 |
| cis-1,2-Dichloroethene | 0.14 | Not Detected | 0.54 | Not Detected |
| Chloroform | 0.14 | Not Detected | 0.66 | Not Detected |
| 1,1,1-Trichloroethane | 0.14 | Not Detected | 0.74 | Not Detected |
| Carbon Tetrachloride | 0.14 | 0.12 J | 0.86 | 0.75 J |
| Benzene | 0.14 | 0.31 | 0.43 | 1.0 |
| 1,2-Dichloroethane | 0.14 | Not Detected | 0.55 | Not Detected |
| 1,2-Dichloropropane | 0.14 | Not Detected | 0.63 | Not Detected |
| Bromodichloromethane | 0.14 | Not Detected | 0.91 | Not Detected |
| cis-1,3-Dichloropropene | 0.14 | Not Detected | 0.62 | Not Detected |
| 4-Methyl-2-pentanone | 0.14 | Not Detected | 0.56 | Not Detected |
| Toluene | 0.14 | 0.58 | 0.51 | 2.2 |
| trans-1,3-Dichloropropene | 0.14 | Not Detected | 0.62 | Not Detected |
| 1,1,2-Trichloroethane | 0.14 | Not Detected | 0.74 | Not Detected |
| Tetrachloroethene | 0.14 | 0.067 J | 0.92 | 0.46 J |
| Dibromochloromethane | 0.14 | Not Detected | 1.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.14 | Not Detected | 1.0 | Not Detected |
| Chlorobenzene | 0.14 | Not Detected | 0.63 | Not Detected |
| Ethyl Benzene | 0.14 | 0.10 J | 0.59 | 0.44 J |
| m,p-Xylene | 0.14 | 0.27 | 0.59 | 1.2 |
| o-Xylene | 0.14 | 0.11 J | 0.59 | 0.47 J |
| Styrene | 0.14 | 0.020 J | 0.58 | 0.085 J |
| Bromoform | 0.14 | Not Detected | 1.4 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.14 | Not Detected | 0.93 | Not Detected |
| 1,3-Dichlorobenzene | 0.14 | Not Detected | 0.82 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: SVPM11-49**

**Lab ID#: 0801438B-11A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012912 | Date of Collection: | 1/23/08 |
| Dil. Factor: | 1.36 | Date of Analysis: | 1/29/08 06:39 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.14 | Not Detected | 0.82 | Not Detected |
| 1,2-Dichlorobenzene | 0.14 | Not Detected | 0.82 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.68 | Not Detected | 5.0 | Not Detected |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 70-130 |
| Toluene-d8 | 92 | 70-130 |
| 4-Bromofluorobenzene | 127 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: SVPM11-49**

**Lab ID#: 0801438B-11B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012912sim | Date of Collection: | 1/23/08 |
| Dil. Factor: | 1.36 | Date of Analysis: | 1/29/08 06:39 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.027 | 0.054 | 0.15 | 0.29 |

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 70-130 |
| Toluene-d8 | 89 | 70-130 |
| 4-Bromofluorobenzene | 124 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: SVPM125-25**

**Lab ID#: 0801438C-06A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013117 | Date of Collection: | 1/23/08 |
| Dil. Factor: | 136 | Date of Analysis: | 1/31/08 08:37 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 68 | Not Detected | 340 | Not Detected |
| Chloromethane | 270 | Not Detected | 560 | Not Detected |
| Vinyl Chloride | 68 | Not Detected | 170 | Not Detected |
| Bromomethane | 68 | Not Detected | 260 | Not Detected |
| Chloroethane | 68 | Not Detected | 180 | Not Detected |
| Freon 11 | 68 | Not Detected | 380 | Not Detected |
| Freon 113 | 68 | Not Detected | 520 | Not Detected |
| 1,1-Dichloroethene | 68 | 430 | 270 | 1700 |
| Acetone | 270 | 130 J | 650 | 320 J |
| Carbon Disulfide | 68 | Not Detected | 210 | Not Detected |
| Methylene Chloride | 68 | Not Detected | 240 | Not Detected |
| Methyl tert-butyl ether | 68 | Not Detected | 240 | Not Detected |
| trans-1,2-Dichloroethene | 68 | Not Detected | 270 | Not Detected |
| 1,1-Dichloroethane | 68 | 180 | 280 | 710 |
| 2-Butanone (Methyl Ethyl Ketone) | 68 | Not Detected | 200 | Not Detected |
| cis-1,2-Dichloroethene | 68 | 49 J | 270 | 200 J |
| Chloroform | 68 | Not Detected | 330 | Not Detected |
| 1,1,1-Trichloroethane | 68 | 6500 | 370 | 36000 |
| Carbon Tetrachloride | 68 | Not Detected | 430 | Not Detected |
| Benzene | 68 | Not Detected | 220 | Not Detected |
| 1,2-Dichloroethane | 68 | Not Detected | 280 | Not Detected |
| Trichloroethene | 68 | 14000 | 360 | 73000 |
| 1,2-Dichloropropane | 68 | Not Detected | 310 | Not Detected |
| Bromodichloromethane | 68 | Not Detected | 460 | Not Detected |
| cis-1,3-Dichloropropene | 68 | Not Detected | 310 | Not Detected |
| 4-Methyl-2-pentanone | 68 | Not Detected | 280 | Not Detected |
| Toluene | 68 | Not Detected | 260 | Not Detected |
| trans-1,3-Dichloropropene | 68 | Not Detected | 310 | Not Detected |
| 1,1,2-Trichloroethane | 68 | Not Detected | 370 | Not Detected |
| Tetrachloroethene | 68 | 64 J | 460 | 440 J |
| Dibromochloromethane | 68 | Not Detected | 580 | Not Detected |
| 1,2-Dibromoethane (EDB) | 68 | Not Detected | 520 | Not Detected |
| Chlorobenzene | 68 | Not Detected | 310 | Not Detected |
| Ethyl Benzene | 68 | Not Detected | 300 | Not Detected |
| m,p-Xylene | 68 | Not Detected | 300 | Not Detected |
| o-Xylene | 68 | Not Detected | 300 | Not Detected |
| Styrene | 68 | Not Detected | 290 | Not Detected |
| Bromoform | 68 | Not Detected | 700 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 68 | Not Detected | 470 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: SVPM125-25**

**Lab ID#: 0801438C-06A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013117 | Date of Collection: | 1/23/08 |
| Dil. Factor: | 136 | Date of Analysis: | 1/31/08 08:37 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,3-Dichlorobenzene | 68 | Not Detected | 410 | Not Detected |
| 1,4-Dichlorobenzene | 68 | Not Detected | 410 | Not Detected |
| 1,2-Dichlorobenzene | 68 | Not Detected | 410 | Not Detected |
| 1,2,4-Trichlorobenzene | 270 | Not Detected U J | 2000 | Not Detected U J |

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 |
|---|---|---|
| Toluene-d8 | 95 | 70-130 |
| 1,2-Dichloroethane-d4 | 120 | 70-130 |
| 4-Bromofluorobenzene | 100 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: SVPM12-50**

**Lab ID#: 0801438C-07A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013112 | Date of Collection: | 1/23/08 |
| Dil. Factor: | 268 | Date of Analysis: | 1/31/08 05:29 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 130 | Not Detected | 660 | Not Detected |
| Chloromethane | 540 | Not Detected | 1100 | Not Detected |
| Vinyl Chloride | 130 | Not Detected | 340 | Not Detected |
| Bromomethane | 130 | Not Detected | 520 | Not Detected |
| Chloroethane | 130 | Not Detected | 350 | Not Detected |
| Freon 11 | 130 | Not Detected | 750 | Not Detected |
| Freon 113 | 130 | Not Detected | 1000 | Not Detected |
| 1,1-Dichloroethene | 130 | 1200 | 530 | 4700 |
| Acetone | 540 | 210 J | 1300 | 500 J |
| Carbon Disulfide | 130 | Not Detected | 420 | Not Detected |
| Methylene Chloride | 130 | Not Detected | 460 | Not Detected |
| Methyl tert-butyl ether | 130 | Not Detected | 480 | Not Detected |
| trans-1,2-Dichloroethene | 130 | Not Detected | 530 | Not Detected |
| 1,1-Dichloroethane | 130 | 340 | 540 | 1400 |
| 2-Butanone (Methyl Ethyl Ketone) | 130 | Not Detected | 400 | Not Detected |
| cis-1,2-Dichloroethene | 130 | 200 | 530 | 780 |
| Chloroform | 130 | Not Detected | 650 | Not Detected |
| 1,1,1-Trichloroethane | 130 | 14000 | 730 | 75000 |
| Carbon Tetrachloride | 130 | Not Detected | 840 | Not Detected |
| Benzene | 130 | Not Detected | 430 | Not Detected |
| 1,2-Dichloroethane | 130 | Not Detected | 540 | Not Detected |
| Trichloroethene | 130 | 28000 | 720 | 150000 |
| 1,2-Dichloropropane | 130 | Not Detected | 620 | Not Detected |
| Bromodichloromethane | 130 | Not Detected | 900 | Not Detected |
| cis-1,3-Dichloropropene | 130 | Not Detected | 610 | Not Detected |
| 4-Methyl-2-pentanone | 130 | Not Detected | 550 | Not Detected |
| Toluene | 130 | Not Detected | 500 | Not Detected |
| trans-1,3-Dichloropropene | 130 | Not Detected | 610 | Not Detected |
| 1,1,2-Trichloroethane | 130 | Not Detected | 730 | Not Detected |
| Tetrachloroethene | 130 | 79 J | 910 | 540 J |
| Dibromochloromethane | 130 | Not Detected | 1100 | Not Detected |
| 1,2-Dibromoethane (EDB) | 130 | Not Detected | 1000 | Not Detected |
| Chlorobenzene | 130 | Not Detected | 620 | Not Detected |
| Ethyl Benzene | 130 | Not Detected | 580 | Not Detected |
| m,p-Xylene | 130 | Not Detected | 580 | Not Detected |
| o-Xylene | 130 | Not Detected | 580 | Not Detected |
| Styrene | 130 | Not Detected | 570 | Not Detected |
| Bromoform | 130 | Not Detected | 1400 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 130 | Not Detected | 920 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: SVPM12-50**

**Lab ID#: 0801438C-07A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013112 | Date of Collection: | 1/23/08 |
| Dil. Factor: | 268 | Date of Analysis: | 1/31/08 05:29 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,3-Dichlorobenzene | 130 | Not Detected | 800 | Not Detected |
| 1,4-Dichlorobenzene | 130 | Not Detected | 800 | Not Detected |
| 1,2-Dichlorobenzene | 130 | Not Detected | 800 | Not Detected |
| 1,2,4-Trichlorobenzene | 540 | Not Detected U J | 4000 | Not Detected U J |

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 |
|---|---|---|
| Toluene-d8 | 96 | 70-130 |
| 1,2-Dichloroethane-d4 | 118 | 70-130 |
| 4-Bromofluorobenzene | 99 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801481B-08A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 5020704a | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/7/08 10:49 AM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.50 | Not Detected | 2.5 | Not Detected |
| Chloromethane | 2.0 | Not Detected | 4.1 | Not Detected |
| Vinyl Chloride | 0.50 | Not Detected | 1.3 | Not Detected |
| Bromomethane | 0.50 | Not Detected | 1.9 | Not Detected |
| Chloroethane | 0.50 | Not Detected | 1.3 | Not Detected |
| Freon 11 | 0.50 | Not Detected | 2.8 | Not Detected |
| Freon 113 | 0.50 | Not Detected | 3.8 | Not Detected |
| 1,1-Dichloroethene | 0.50 | Not Detected | 2.0 | Not Detected |
| Acetone | 2.0 | Not Detected | 4.8 | Not Detected |
| Carbon Disulfide | 0.50 | Not Detected | 1.6 | Not Detected |
| Methylene Chloride | 0.50 | 0.22 J | 1.7 | 0.76 J |
| Methyl tert-butyl ether | 0.50 | Not Detected | 1.8 | Not Detected |
| trans-1,2-Dichloroethene | 0.50 | Not Detected | 2.0 | Not Detected |
| 1,1-Dichloroethane | 0.50 | Not Detected | 2.0 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.50 | Not Detected | 1.5 | Not Detected |
| cis-1,2-Dichloroethene | 0.50 | 0.17 J | 2.0 | 0.68 J |
| Chloroform | 0.50 | Not Detected | 2.4 | Not Detected |
| 1,1,1-Trichloroethane | 0.50 | Not Detected | 2.7 | Not Detected |
| Carbon Tetrachloride | 0.50 | Not Detected | 3.1 | Not Detected |
| Benzene | 0.50 | Not Detected | 1.6 | Not Detected |
| 1,2-Dichloroethane | 0.50 | Not Detected | 2.0 | Not Detected |
| Trichloroethene | 0.50 | Not Detected | 2.7 | Not Detected |
| 1,2-Dichloropropane | 0.50 | Not Detected | 2.3 | Not Detected |
| Bromodichloromethane | 0.50 | Not Detected | 3.4 | Not Detected |
| cis-1,3-Dichloropropene | 0.50 | Not Detected | 2.3 | Not Detected |
| 4-Methyl-2-pentanone | 0.50 | Not Detected | 2.0 | Not Detected |
| Toluene | 0.50 | Not Detected | 1.9 | Not Detected |
| trans-1,3-Dichloropropene | 0.50 | Not Detected | 2.3 | Not Detected |
| 1,1,2-Trichloroethane | 0.50 | Not Detected | 2.7 | Not Detected |
| Tetrachloroethene | 0.50 | Not Detected | 3.4 | Not Detected |
| Dibromochloromethane | 0.50 | Not Detected | 4.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.50 | Not Detected | 3.8 | Not Detected |
| Chlorobenzene | 0.50 | Not Detected | 2.3 | Not Detected |
| Ethyl Benzene | 0.50 | Not Detected | 2.2 | Not Detected |
| m,p-Xylene | 0.50 | Not Detected | 2.2 | Not Detected |
| o-Xylene | 0.50 | Not Detected | 2.2 | Not Detected |
| Styrene | 0.50 | Not Detected | 2.1 | Not Detected |
| Bromoform | 0.50 | Not Detected | 5.2 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.50 | Not Detected | 3.4 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801481B-08A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| **File Name:** | **5020704a** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 2/7/08 10:49 AM** | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,3-Dichlorobenzene | 0.50 | 0.15 J | 3.0 | 0.88 J |
| 1,4-Dichlorobenzene | 0.50 | 0.14 J | 3.0 | 0.85 J |
| 1,2-Dichlorobenzene | 0.50 | Not Detected | 3.0 | Not Detected |
| 1,2,4-Trichlorobenzene | 2.0 | 0.44 J | 15 | 3.3 J |

J = Estimated value.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Toluene-d8 | 94 | 70-130 |
| 1,2-Dichloroethane-d4 | 96 | 70-130 |
| 4-Bromofluorobenzene | 96 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801481B-09A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 5020702 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/7/08 09:24 AM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 92 |
| Chloromethane | 95 |
| Vinyl Chloride | 100 |
| Bromomethane | 102 |
| Chloroethane | 87 |
| Freon 11 | 108 |
| Freon 113 | 104 |
| 1,1-Dichloroethene | 102 |
| Acetone | 90 |
| Carbon Disulfide | 103 |
| Methylene Chloride | 100 |
| Methyl tert-butyl ether | 77 |
| trans-1,2-Dichloroethene | 100 |
| 1,1-Dichloroethane | 96 |
| 2-Butanone (Methyl Ethyl Ketone) | 84 |
| cis-1,2-Dichloroethene | 93 |
| Chloroform | 84 |
| 1,1,1-Trichloroethane | 95 |
| Carbon Tetrachloride | 99 |
| Benzene | 87 |
| 1,2-Dichloroethane | 105 |
| Trichloroethene | 96 |
| 1,2-Dichloropropane | 91 |
| Bromodichloromethane | 99 |
| cis-1,3-Dichloropropene | 92 |
| 4-Methyl-2-pentanone | 77 |
| Toluene | 89 |
| trans-1,3-Dichloropropene | 108 |
| 1,1,2-Trichloroethane | 96 |
| Tetrachloroethene | 99 |
| Dibromochloromethane | 105 |
| 1,2-Dibromoethane (EDB) | 93 |
| Chlorobenzene | 97 |
| Ethyl Benzene | 93 |
| m,p-Xylene | 96 |
| o-Xylene | 92 |
| Styrene | 86 |
| Bromoform | 103 |
| 1,1,2,2-Tetrachloroethane | 91 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801481B-09A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 5020702 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/7/08 09:24 AM | |

| Compound | %Recovery |
|---|---|
| 1,3-Dichlorobenzene | 94 |
| 1,4-Dichlorobenzene | 97 |
| 1,2-Dichlorobenzene | 92 |
| 1,2,4-Trichlorobenzene | 92 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Toluene-d8 | 94 | 70-130 |
| 1,2-Dichloroethane-d4 | 97 | 70-130 |
| 4-Bromofluorobenzene | 99 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801481B-10A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 5020703 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/7/08 09:52 AM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 94 |
| Chloromethane | 90 |
| Vinyl Chloride | 94 |
| Bromomethane | 99 |
| Chloroethane | 80 |
| Freon 11 | 101 |
| Freon 113 | 110 |
| 1,1-Dichloroethene | 106 |
| Acetone | 89 |
| Carbon Disulfide | 97 |
| Methylene Chloride | 101 |
| Methyl tert-butyl ether | 73 |
| trans-1,2-Dichloroethene | 92 |
| 1,1-Dichloroethane | 93 |
| 2-Butanone (Methyl Ethyl Ketone) | 79 |
| cis-1,2-Dichloroethene | 92 |
| Chloroform | 82 |
| 1,1,1-Trichloroethane | 92 |
| Carbon Tetrachloride | 96 |
| Benzene | 82 |
| 1,2-Dichloroethane | 99 |
| Trichloroethene | 90 |
| 1,2-Dichloropropane | 85 |
| Bromodichloromethane | 94 |
| cis-1,3-Dichloropropene | 89 |
| 4-Methyl-2-pentanone | 73 |
| Toluene | 90 |
| trans-1,3-Dichloropropene | 106 |
| 1,1,2-Trichloroethane | 92 |
| Tetrachloroethene | 98 |
| Dibromochloromethane | 102 |
| 1,2-Dibromoethane (EDB) | 88 |
| Chlorobenzene | 96 |
| Ethyl Benzene | 89 |
| m,p-Xylene | 90 |
| o-Xylene | 90 |
| Styrene | 86 |
| Bromoform | 103 |
| 1,1,2,2-Tetrachloroethane | 91 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801481B-10A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 5020703 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/7/08 09:52 AM | |

| Compound | %Recovery |
|---|---|
| 1,3-Dichlorobenzene | 90 |
| 1,4-Dichlorobenzene | 96 |
| 1,2-Dichlorobenzene | 89 |
| 1,2,4-Trichlorobenzene | 91 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Toluene-d8 | 95 | 70-130 |
| 1,2-Dichloroethane-d4 | 98 | 70-130 |
| 4-Bromofluorobenzene | 101 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1003-00**

**Lab ID#: 0801481-01A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020424 | Date of Collection: | 1/24/08 |
| Dil. Factor: | 1.58 | Date of Analysis: | 2/5/08 04:23 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.16 | 0.38 | 0.78 | 1.9 |
| Chloromethane | 0.16 | 0.64 | 0.33 | 1.3 |
| Vinyl Chloride | 0.16 | Not Detected | 0.40 | Not Detected |
| Bromomethane | 0.16 | Not Detected | 0.61 | Not Detected |
| Chloroethane | 0.16 | Not Detected | 0.42 | Not Detected |
| Freon 11 | 0.16 | 0.18 | 0.89 | 1.0 |
| Freon 113 | 0.16 | 0.13 J | 1.2 | 1.0 J |
| 1,1-Dichloroethene | 0.16 | Not Detected | 0.63 | Not Detected |
| Acetone | 0.79 | 4.4 | 1.9 | 10 |
| Carbon Disulfide | 0.79 | Not Detected | 2.5 | Not Detected |
| Methylene Chloride | 0.32 | 0.12 J | 1.1 | 0.42 J |
| Methyl tert-butyl ether | 0.16 | Not Detected | 0.57 | Not Detected |
| trans-1,2-Dichloroethene | 0.16 | Not Detected | 0.63 | Not Detected |
| 1,1-Dichloroethane | 0.16 | Not Detected | 0.64 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.16 | 0.49 | 0.46 | 1.4 |
| cis-1,2-Dichloroethene | 0.16 | Not Detected | 0.63 | Not Detected |
| Chloroform | 0.16 | Not Detected | 0.77 | Not Detected |
| 1,1,1-Trichloroethane | 0.16 | Not Detected | 0.86 | Not Detected |
| Carbon Tetrachloride | 0.16 | Not Detected | 0.99 | Not Detected |
| Benzene | 0.16 | 0.26 | 0.50 | 0.84 |
| 1,2-Dichloroethane | 0.16 | Not Detected | 0.64 | Not Detected |
| 1,2-Dichloropropane | 0.16 | Not Detected | 0.73 | Not Detected |
| Bromodichloromethane | 0.16 | Not Detected | 1.0 | Not Detected |
| cis-1,3-Dichloropropene | 0.16 | Not Detected | 0.72 | Not Detected |
| 4-Methyl-2-pentanone | 0.16 | Not Detected | 0.65 | Not Detected |
| Toluene | 0.16 | 0.23 | 0.60 | 0.86 |
| trans-1,3-Dichloropropene | 0.16 | Not Detected | 0.72 | Not Detected |
| 1,1,2-Trichloroethane | 0.16 | Not Detected | 0.86 | Not Detected |
| Tetrachloroethene | 0.16 | Not Detected | 1.1 | Not Detected |
| Dibromochloromethane | 0.16 | Not Detected | 1.3 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.16 | Not Detected | 1.2 | Not Detected |
| Chlorobenzene | 0.16 | Not Detected | 0.73 | Not Detected |
| Ethyl Benzene | 0.16 | Not Detected | 0.69 | Not Detected |
| m,p-Xylene | 0.16 | 0.090 J | 0.69 | 0.39 J |
| o-Xylene | 0.16 | 0.028 J | 0.69 | 0.12 J |
| Styrene | 0.16 | Not Detected | 0.67 | Not Detected |
| Bromoform | 0.16 | Not Detected | 1.6 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.16 | Not Detected | 1.1 | Not Detected |
| 1,3-Dichlorobenzene | 0.16 | Not Detected | 0.95 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1003-00**

**Lab ID#: 0801481-01A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020424 | Date of Collection: | 1/24/08 |
| Dil. Factor: | 1.58 | Date of Analysis: | 2/5/08 04:23 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.16 | Not Detected | 0.95 | Not Detected |
| 1,2-Dichlorobenzene | 0.16 | Not Detected | 0.95 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.79 | Not Detected | 5.9 | Not Detected |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 114 | 70-130 |
| Toluene-d8 | 101 | 70-130 |
| 4-Bromofluorobenzene | 105 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1003-00**

**Lab ID#: 0801481-01B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020424sim | Date of Collection: | 1/24/08 |
| Dil. Factor: | 1.58 | Date of Analysis: | 2/5/08 04:23 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.032 | 0.0086 J | 0.17 | 0.046 J |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | 70-130 |
| Toluene-d8 | 84 | 70-130 |
| 4-Bromofluorobenzene | 114 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1004-00**

**Lab ID#: 0801481-08A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020521 | Date of Collection: | 1/25/08 |
| Dil. Factor: | 2.98 | Date of Analysis: | 2/6/08 05:28 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.30 | 0.36 | 1.5 | 1.8 |
| Chloromethane | 0.30 | 0.71 | 0.62 | 1.5 |
| Vinyl Chloride | 0.30 | Not Detected | 0.76 | Not Detected |
| Bromomethane | 0.30 | Not Detected | 1.2 | Not Detected |
| Chloroethane | 0.30 | Not Detected | 0.79 | Not Detected |
| Freon 11 | 0.30 | 0.23 J | 1.7 | 1.3 J |
| Freon 113 | 0.30 | 0.12 J | 2.3 | 0.94 J |
| 1,1-Dichloroethene | 0.30 | Not Detected | 1.2 | Not Detected |
| Acetone | 1.5 | 4.7 | 3.5 | 11 |
| Carbon Disulfide | 1.5 | Not Detected | 4.6 | Not Detected |
| Methylene Chloride | 0.60 | Not Detected | 2.1 | Not Detected |
| Methyl tert-butyl ether | 0.30 | Not Detected | 1.1 | Not Detected |
| trans-1,2-Dichloroethene | 0.30 | Not Detected | 1.2 | Not Detected |
| 1,1-Dichloroethane | 0.30 | Not Detected | 1.2 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.30 | 0.55 | 0.88 | 1.6 |
| cis-1,2-Dichloroethene | 0.30 | Not Detected | 1.2 | Not Detected |
| Chloroform | 0.30 | Not Detected | 1.4 | Not Detected |
| 1,1,1-Trichloroethane | 0.30 | Not Detected | 1.6 | Not Detected |
| Carbon Tetrachloride | 0.30 | Not Detected | 1.9 | Not Detected |
| Benzene | 0.30 | 0.24 J | 0.95 | 0.78 J |
| 1,2-Dichloroethane | 0.30 | Not Detected | 1.2 | Not Detected |
| 1,2-Dichloropropane | 0.30 | Not Detected | 1.4 | Not Detected |
| Bromodichloromethane | 0.30 | Not Detected | 2.0 | Not Detected |
| cis-1,3-Dichloropropene | 0.30 | Not Detected | 1.4 | Not Detected |
| 4-Methyl-2-pentanone | 0.30 | Not Detected | 1.2 | Not Detected |
| Toluene | 0.30 | 0.30 | 1.1 | 1.1 |
| trans-1,3-Dichloropropene | 0.30 | Not Detected | 1.4 | Not Detected |
| 1,1,2-Trichloroethane | 0.30 | Not Detected | 1.6 | Not Detected |
| Tetrachloroethene | 0.30 | Not Detected | 2.0 | Not Detected |
| Dibromochloromethane | 0.30 | Not Detected | 2.5 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.30 | Not Detected | 2.3 | Not Detected |
| Chlorobenzene | 0.30 | Not Detected | 1.4 | Not Detected |
| Ethyl Benzene | 0.30 | Not Detected | 1.3 | Not Detected |
| m,p-Xylene | 0.30 | 0.099 J | 1.3 | 0.43 J |
| o-Xylene | 0.30 | 0.035 J | 1.3 | 0.15 J |
| Styrene | 0.30 | Not Detected | 1.3 | Not Detected |
| Bromoform | 0.30 | Not Detected | 3.1 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.30 | Not Detected | 2.0 | Not Detected |
| 1,3-Dichlorobenzene | 0.30 | Not Detected | 1.8 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1004-00**

**Lab ID#: 0801481-08A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020521 | Date of Collection: | 1/25/08 |
| Dil. Factor: | 2.98 | Date of Analysis: | 2/6/08 05:28 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.30 | Not Detected | 1.8 | Not Detected |
| 1,2-Dichlorobenzene | 0.30 | Not Detected | 1.8 | Not Detected |
| 1,2,4-Trichlorobenzene | 1.5 | Not Detected | 11 | Not Detected |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 120 | 70-130 |
| Toluene-d8 | 98 | 70-130 |
| 4-Bromofluorobenzene | 112 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1004-00**

**Lab ID#: 0801481-08B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020521sim | Date of Collection: | 1/25/08 |
| Dil. Factor: | 2.98 | Date of Analysis: | 2/6/08 05:28 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.060 | 0.015 J | 0.32 | 0.080 J |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 107 | 70-130 |
| Toluene-d8 | 86 | 70-130 |
| 4-Bromofluorobenzene | 121 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801481-09A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020405a | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/4/08 12:21 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.10 | Not Detected | 0.49 | Not Detected |
| Chloromethane | 0.10 | Not Detected | 0.21 | Not Detected |
| Vinyl Chloride | 0.10 | Not Detected | 0.26 | 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 | 0.26 J | 1.2 | 0.61 J |
| Carbon Disulfide | 0.50 | Not Detected | 1.6 | Not Detected |
| Methylene Chloride | 0.20 | 0.042 J | 0.69 | 0.14 J |
| Methyl tert-butyl ether | 0.10 | Not Detected | 0.36 | Not Detected |
| trans-1,2-Dichloroethene | 0.10 | Not Detected | 0.40 | 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 |
| Chloroform | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Carbon Tetrachloride | 0.10 | Not Detected | 0.63 | Not Detected |
| Benzene | 0.10 | Not Detected | 0.32 | Not Detected |
| 1,2-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| 1,2-Dichloropropane | 0.10 | Not Detected | 0.46 | 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 | 0.046 J | 0.41 | 0.19 J |
| 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 |
| 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 | 0.014 J | 0.42 | 0.060 J |
| Bromoform | 0.10 | Not Detected | 1.0 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.10 | 0.019 J | 0.69 | 0.13 J |
| 1,3-Dichlorobenzene | 0.10 | 0.037 J | 0.60 | 0.22 J |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801481-09A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020405a | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/4/08 12:21 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 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 | 0.23 J | 3.7 | 1.7 J |

J = Estimated value.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 112 | 70-130 |
| Toluene-d8 | 94 | 70-130 |
| 4-Bromofluorobenzene | 107 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801481-09B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020405sim | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/4/08 12:21 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.020 | 0.0045 J | 0.11 | 0.024 J |

J = Estimated value.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | 70-130 |
| Toluene-d8 | 80 | 70-130 |
| 4-Bromofluorobenzene | 116 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801481-09C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020507a | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/5/08 02:57 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.10 | Not Detected | 0.49 | Not Detected |
| Chloromethane | 0.10 | Not Detected | 0.21 | Not Detected |
| Vinyl Chloride | 0.10 | Not Detected | 0.26 | 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 | 0.10 J | 1.2 | 0.24 J |
| Carbon Disulfide | 0.50 | Not Detected | 1.6 | Not Detected |
| 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 |
| 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 |
| Chloroform | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Carbon Tetrachloride | 0.10 | Not Detected | 0.63 | Not Detected |
| Benzene | 0.10 | Not Detected | 0.32 | Not Detected |
| 1,2-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| 1,2-Dichloropropane | 0.10 | Not Detected | 0.46 | 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 |
| 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 |
| 1,3-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801481-09C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020507a | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/5/08 02:57 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 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 | 3.7 | Not Detected |

J = Estimated value.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 110 | 70-130 |
| Toluene-d8 | 96 | 70-130 |
| 4-Bromofluorobenzene | 108 | 70-130 |

**Client Sample ID: Lab Blank**

**Lab ID#: 0801481-09D**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020507asim | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/5/08 02:57 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.020 | Not Detected | 0.11 | Not Detected |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 70-130 |
| Toluene-d8 | 82 | 70-130 |
| 4-Bromofluorobenzene | 117 | 70-130 |

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801481-10A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020402 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/4/08 10:28 AM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 92 |
| Chloromethane | 110 |
| Vinyl Chloride | 91 |
| Bromomethane | 88 |
| Chloroethane | 103 |
| Freon 11 | 92 |
| Freon 113 | 92 |
| 1,1-Dichloroethene | 84 |
| Acetone | 125 |
| Carbon Disulfide | 90 |
| Methylene Chloride | 80 |
| Methyl tert-butyl ether | 80 |
| trans-1,2-Dichloroethene | 83 |
| 1,1-Dichloroethane | 99 |
| 2-Butanone (Methyl Ethyl Ketone) | 89 |
| cis-1,2-Dichloroethene | 91 |
| Chloroform | 102 |
| 1,1,1-Trichloroethane | 99 |
| Carbon Tetrachloride | 78 |
| Benzene | 94 |
| 1,2-Dichloroethane | 112 |
| 1,2-Dichloropropane | 95 |
| Bromodichloromethane | 93 |
| cis-1,3-Dichloropropene | 88 |
| 4-Methyl-2-pentanone | 134 Q |
| Toluene | 93 |
| trans-1,3-Dichloropropene | 86 |
| 1,1,2-Trichloroethane | 90 |
| Tetrachloroethene | 94 |
| Dibromochloromethane | 94 |
| 1,2-Dibromoethane (EDB) | 92 |
| Chlorobenzene | 97 |
| Ethyl Benzene | 97 |
| m,p-Xylene | 99 |
| o-Xylene | 103 |
| Styrene | 99 |
| Bromoform | 99 |
| 1,1,2,2-Tetrachloroethane | 98 |
| 1,3-Dichlorobenzene | 110 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801481-10A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020402 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/4/08 10:28 AM | |

| Compound | %Recovery |
|---|---|
| 1,4-Dichlorobenzene | 109 |
| 1,2-Dichlorobenzene | 109 |
| 1,2,4-Trichlorobenzene | 92 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 115 | 70-130 |
| Toluene-d8 | 96 | 70-130 |
| 4-Bromofluorobenzene | 110 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801481-10B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020402sim | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/4/08 10:28 AM | |

| Compound | %Recovery |
|---|---|
| Trichloroethene | 104 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 105 | 70-130 |
| Toluene-d8 | 84 | 70-130 |
| 4-Bromofluorobenzene | 119 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801481-10C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020502 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/5/08 10:54 AM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 95 |
| Chloromethane | 112 |
| Vinyl Chloride | 92 |
| Bromomethane | 97 |
| Chloroethane | 106 |
| Freon 11 | 94 |
| Freon 113 | 91 |
| 1,1-Dichloroethene | 86 |
| Acetone | 101 |
| Carbon Disulfide | 91 |
| Methylene Chloride | 81 |
| Methyl tert-butyl ether | 80 |
| trans-1,2-Dichloroethene | 82 |
| 1,1-Dichloroethane | 100 |
| 2-Butanone (Methyl Ethyl Ketone) | 85 |
| cis-1,2-Dichloroethene | 94 |
| Chloroform | 104 |
| 1,1,1-Trichloroethane | 102 |
| Carbon Tetrachloride | 80 |
| Benzene | 92 |
| 1,2-Dichloroethane | 115 |
| 1,2-Dichloropropane | 94 |
| Bromodichloromethane | 92 |
| cis-1,3-Dichloropropene | 88 |
| 4-Methyl-2-pentanone | 130 |
| Toluene | 94 |
| trans-1,3-Dichloropropene | 81 |
| 1,1,2-Trichloroethane | 88 |
| Tetrachloroethene | 93 |
| Dibromochloromethane | 93 |
| 1,2-Dibromoethane (EDB) | 92 |
| Chlorobenzene | 96 |
| Ethyl Benzene | 94 |
| m,p-Xylene | 96 |
| o-Xylene | 97 |
| Styrene | 97 |
| Bromoform | 94 |
| 1,1,2,2-Tetrachloroethane | 95 |
| 1,3-Dichlorobenzene | 108 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801481-10C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020502 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/5/08 10:54 AM | |

| Compound | %Recovery |
|---|---|
| 1,4-Dichlorobenzene | 106 |
| 1,2-Dichlorobenzene | 110 |
| 1,2,4-Trichlorobenzene | 101 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 118 | 70-130 |
| Toluene-d8 | 98 | 70-130 |
| 4-Bromofluorobenzene | 105 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801481-10D**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020502sim | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/5/08 10:54 AM | |

| Compound | %Recovery |
|---|---|
| Trichloroethene | 105 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 107 | 70-130 |
| Toluene-d8 | 84 | 70-130 |
| 4-Bromofluorobenzene | 117 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801481-11A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020403 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/4/08 11:10 AM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 88 |
| Chloromethane | 126 |
| Vinyl Chloride | 89 |
| Bromomethane | 83 |
| Chloroethane | 100 |
| Freon 11 | 92 |
| Freon 113 | 100 |
| 1,1-Dichloroethene | 95 |
| Acetone | 101 |
| Carbon Disulfide | 89 |
| Methylene Chloride | 86 |
| Methyl tert-butyl ether | 86 |
| trans-1,2-Dichloroethene | 82 |
| 1,1-Dichloroethane | 105 |
| 2-Butanone (Methyl Ethyl Ketone) | 84 |
| cis-1,2-Dichloroethene | 94 |
| Chloroform | 106 |
| 1,1,1-Trichloroethane | 103 |
| Carbon Tetrachloride | 106 |
| Benzene | 92 |
| 1,2-Dichloroethane | 118 |
| 1,2-Dichloropropane | 94 |
| Bromodichloromethane | 94 |
| cis-1,3-Dichloropropene | 87 |
| 4-Methyl-2-pentanone | 128 |
| Toluene | 97 |
| trans-1,3-Dichloropropene | 91 |
| 1,1,2-Trichloroethane | 95 |
| Tetrachloroethene | 100 |
| Dibromochloromethane | 100 |
| 1,2-Dibromoethane (EDB) | 95 |
| Chlorobenzene | 100 |
| Ethyl Benzene | 101 |
| m,p-Xylene | 103 |
| o-Xylene | 105 |
| Styrene | 102 |
| Bromoform | 103 |
| 1,1,2,2-Tetrachloroethane | 96 |
| 1,3-Dichlorobenzene | 111 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801481-11A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020403 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/4/08 11:10 AM | |

| Compound | %Recovery |
|---|---|
| 1,4-Dichlorobenzene | 110 |
| 1,2-Dichlorobenzene | 109 |
| 1,2,4-Trichlorobenzene | 96 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 117 | 70-130 |
| Toluene-d8 | 94 | 70-130 |
| 4-Bromofluorobenzene | 101 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801481-11B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020403sim | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/4/08 11:10 AM | |

| Compound | %Recovery |
|---|---|
| Trichloroethene | 105 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 108 | 70-130 |
| Toluene-d8 | 83 | 70-130 |
| 4-Bromofluorobenzene | 110 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801481-11C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020503 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/5/08 11:24 AM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 99 |
| Chloromethane | 118 |
| Vinyl Chloride | 95 |
| Bromomethane | 104 |
| Chloroethane | 110 |
| Freon 11 | 102 |
| Freon 113 | 107 |
| 1,1-Dichloroethene | 101 |
| Acetone | 133 |
| Carbon Disulfide | 96 |
| Methylene Chloride | 94 |
| Methyl tert-butyl ether | 94 |
| trans-1,2-Dichloroethene | 90 |
| 1,1-Dichloroethane | 112 |
| 2-Butanone (Methyl Ethyl Ketone) | 93 |
| cis-1,2-Dichloroethene | 100 |
| Chloroform | 112 |
| 1,1,1-Trichloroethane | 112 |
| Carbon Tetrachloride | 118 |
| Benzene | 94 |
| 1,2-Dichloroethane | 123 |
| 1,2-Dichloropropane | 101 |
| Bromodichloromethane | 99 |
| cis-1,3-Dichloropropene | 92 |
| 4-Methyl-2-pentanone | 134 |
| Toluene | 103 |
| trans-1,3-Dichloropropene | 82 |
| 1,1,2-Trichloroethane | 88 |
| Tetrachloroethene | 93 |
| Dibromochloromethane | 95 |
| 1,2-Dibromoethane (EDB) | 89 |
| Chlorobenzene | 96 |
| Ethyl Benzene | 95 |
| m,p-Xylene | 97 |
| o-Xylene | 102 |
| Styrene | 97 |
| Bromoform | 100 |
| 1,1,2,2-Tetrachloroethane | 99 |
| 1,3-Dichlorobenzene | 108 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801481-11C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020503 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/5/08 11:24 AM | |

| Compound | %Recovery |
|---|---|
| 1,4-Dichlorobenzene | 104 |
| 1,2-Dichlorobenzene | 107 |
| 1,2,4-Trichlorobenzene | 95 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 127 | 70-130 |
| Toluene-d8 | 101 | 70-130 |
| 4-Bromofluorobenzene | 110 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801481-11D**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s020503sim | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/5/08 11:24 AM | |

| Compound | %Recovery |
|---|---|
| Trichloroethene | 107 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 112 | 70-130 |
| Toluene-d8 | 88 | 70-130 |
| 4-Bromofluorobenzene | 120 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1001-00**

**Lab ID#: 0801438A-01A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012815 | Date of Collection: | 1/22/08 |
| Dil. Factor: | 1.58 | Date of Analysis: | 1/28/08 08:31 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.16 | 0.38 | 0.78 | 1.9 |
| Chloromethane | 0.16 | 0.51 | 0.33 | 1.0 |
| Vinyl Chloride | 0.16 | Not Detected | 0.40 | Not Detected |
| Bromomethane | 0.16 | Not Detected | 0.61 | Not Detected |
| Chloroethane | 0.16 | Not Detected | 0.42 | Not Detected |
| Freon 11 | 0.16 | 0.27 | 0.89 | 1.5 |
| Freon 113 | 0.16 | 0.092 J | 1.2 | 0.70 J |
| 1,1-Dichloroethene | 0.16 | Not Detected | 0.63 | Not Detected |
| Acetone | 0.79 | 1.7 | 1.9 | 4.0 |
| Carbon Disulfide | 0.79 | Not Detected | 2.5 | Not Detected |
| Methylene Chloride | 0.32 | 0.13 J | 1.1 | 0.46 J |
| Methyl tert-butyl ether | 0.16 | Not Detected | 0.57 | Not Detected |
| trans-1,2-Dichloroethene | 0.16 | Not Detected | 0.63 | Not Detected |
| 1,1-Dichloroethane | 0.16 | Not Detected | 0.64 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.16 | 0.38 | 0.46 | 1.1 |
| cis-1,2-Dichloroethene | 0.16 | Not Detected | 0.63 | Not Detected |
| Chloroform | 0.16 | Not Detected | 0.77 | Not Detected |
| 1,1,1-Trichloroethane | 0.16 | Not Detected | 0.86 | Not Detected |
| Carbon Tetrachloride | 0.16 | 0.13 J | 0.99 | 0.82 J |
| Benzene | 0.16 | 0.27 | 0.50 | 0.85 |
| 1,2-Dichloroethane | 0.16 | Not Detected | 0.64 | Not Detected |
| 1,2-Dichloropropane | 0.16 | Not Detected | 0.73 | Not Detected |
| Bromodichloromethane | 0.16 | Not Detected | 1.0 | Not Detected |
| cis-1,3-Dichloropropene | 0.16 | Not Detected | 0.72 | Not Detected |
| 4-Methyl-2-pentanone | 0.16 | Not Detected | 0.65 | Not Detected |
| Toluene | 0.16 | 0.38 | 0.60 | 1.4 |
| trans-1,3-Dichloropropene | 0.16 | Not Detected | 0.72 | Not Detected |
| 1,1,2-Trichloroethane | 0.16 | Not Detected | 0.86 | Not Detected |
| Tetrachloroethene | 0.16 | 0.059 J | 1.1 | 0.40 J |
| Dibromochloromethane | 0.16 | Not Detected | 1.3 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.16 | Not Detected | 1.2 | Not Detected |
| Chlorobenzene | 0.16 | Not Detected | 0.73 | Not Detected |
| Ethyl Benzene | 0.16 | Not Detected | 0.69 | Not Detected |
| m,p-Xylene | 0.16 | 0.13 J | 0.69 | 0.58 J |
| o-Xylene | 0.16 | 0.048 J | 0.69 | 0.21 J |
| Styrene | 0.16 | Not Detected | 0.67 | Not Detected |
| Bromoform | 0.16 | Not Detected | 1.6 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.16 | Not Detected | 1.1 | Not Detected |
| 1,3-Dichlorobenzene | 0.16 | Not Detected | 0.95 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1001-00**

**Lab ID#: 0801438A-01A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012815 | Date of Collection: | 1/22/08 |
| Dil. Factor: | 1.58 | Date of Analysis: | 1/28/08 08:31 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.16 | Not Detected | 0.95 | Not Detected |
| 1,2-Dichlorobenzene | 0.16 | Not Detected | 0.95 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.79 | Not Detected | 5.9 | Not Detected |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 91 | 70-130 |
| Toluene-d8 | 92 | 70-130 |
| 4-Bromofluorobenzene | 120 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1001-00**

**Lab ID#: 0801438A-01B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012815sim | Date of Collection: | 1/22/08 |
| Dil. Factor: | 1.58 | Date of Analysis: | 1/28/08 08:31 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.032 | 0.016 J | 0.17 | 0.085 J |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 89 | 70-130 |
| Toluene-d8 | 88 | 70-130 |
| 4-Bromofluorobenzene | 120 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1002-00**

**Lab ID#: 0801438A-08A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| File Name: | s012909 | Date of Collection: 1/23/08 |
|---|---|---|
| Dil. Factor: | 1.49 | Date of Analysis: 1/29/08 04:55 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.15 | 0.34 | 0.74 | 1.7 |
| Chloromethane | 0.15 | 0.47 | 0.31 | 0.98 |
| Vinyl Chloride | 0.15 | Not Detected | 0.38 | Not Detected |
| Bromomethane | 0.15 | Not Detected | 0.58 | Not Detected |
| Chloroethane | 0.15 | Not Detected | 0.39 | Not Detected |
| Freon 11 | 0.15 | 0.23 | 0.84 | 1.3 |
| Freon 113 | 0.15 | 0.10 J | 1.1 | 0.80 J |
| 1,1-Dichloroethene | 0.15 | Not Detected | 0.59 | Not Detected |
| Acetone | 0.74 | 2.5 | 1.8 | 5.9 |
| Carbon Disulfide | 0.74 | Not Detected | 2.3 | Not Detected |
| Methylene Chloride | 0.30 | 0.088 J | 1.0 | 0.30 J |
| Methyl tert-butyl ether | 0.15 | Not Detected | 0.54 | Not Detected |
| trans-1,2-Dichloroethene | 0.15 | Not Detected | 0.59 | Not Detected |
| 1,1-Dichloroethane | 0.15 | Not Detected | 0.60 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.15 | 0.48 | 0.44 | 1.4 |
| cis-1,2-Dichloroethene | 0.15 | Not Detected | 0.59 | Not Detected |
| Chloroform | 0.15 | Not Detected | 0.73 | Not Detected |
| 1,1,1-Trichloroethane | 0.15 | Not Detected | 0.81 | Not Detected |
| Carbon Tetrachloride | 0.15 | 0.092 J | 0.94 | 0.58 J |
| Benzene | 0.15 | 0.25 | 0.48 | 0.80 |
| 1,2-Dichloroethane | 0.15 | Not Detected | 0.60 | Not Detected |
| 1,2-Dichloropropane | 0.15 | Not Detected | 0.69 | Not Detected |
| Bromodichloromethane | 0.15 | Not Detected | 1.0 | Not Detected |
| cis-1,3-Dichloropropene | 0.15 | Not Detected | 0.68 | Not Detected |
| 4-Methyl-2-pentanone | 0.15 | Not Detected | 0.61 | Not Detected |
| Toluene | 0.15 | 0.32 | 0.56 | 1.2 |
| trans-1,3-Dichloropropene | 0.15 | Not Detected | 0.68 | Not Detected |
| 1,1,2-Trichloroethane | 0.15 | Not Detected | 0.81 | Not Detected |
| Tetrachloroethene | 0.15 | 0.076 J | 1.0 | 0.51 J |
| Dibromochloromethane | 0.15 | Not Detected | 1.3 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.15 | Not Detected | 1.1 | Not Detected |
| Chlorobenzene | 0.15 | Not Detected | 0.68 | Not Detected |
| Ethyl Benzene | 0.15 | 0.042 J | 0.65 | 0.18 J |
| m,p-Xylene | 0.15 | 0.11 J | 0.65 | 0.50 J |
| o-Xylene | 0.15 | 0.043 J | 0.65 | 0.18 J |
| Styrene | 0.15 | Not Detected | 0.63 | Not Detected |
| Bromoform | 0.15 | Not Detected | 1.5 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.15 | Not Detected | 1.0 | Not Detected |
| 1,3-Dichlorobenzene | 0.15 | Not Detected | 0.90 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1002-00**

**Lab ID#: 0801438A-08A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012909 | Date of Collection: | 1/23/08 |
| Dil. Factor: | 1.49 | Date of Analysis: | 1/29/08 04:55 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.15 | Not Detected | 0.90 | Not Detected |
| 1,2-Dichlorobenzene | 0.15 | Not Detected | 0.90 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.74 | Not Detected | 5.5 | Not Detected |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | 70-130 |
| Toluene-d8 | 96 | 70-130 |
| 4-Bromofluorobenzene | 123 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1002-00**

**Lab ID#: 0801438A-08B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012909sim | Date of Collection: | 1/23/08 |
| Dil. Factor: | 1.49 | Date of Analysis: | 1/29/08 04:55 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.030 | 0.020 J | 0.16 | 0.11 J |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 70-130 |
| Toluene-d8 | 94 | 70-130 |
| 4-Bromofluorobenzene | 120 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801438A-10A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012807a | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/28/08 01:35 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.10 | Not Detected | 0.49 | Not Detected |
| Chloromethane | 0.10 | Not Detected | 0.21 | Not Detected |
| Vinyl Chloride | 0.10 | Not Detected | 0.26 | 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 | 0.070 J | 1.2 | 0.16 J |
| Carbon Disulfide | 0.50 | Not Detected | 1.6 | Not Detected |
| 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 |
| 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 |
| Chloroform | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Carbon Tetrachloride | 0.10 | Not Detected | 0.63 | Not Detected |
| Benzene | 0.10 | Not Detected | 0.32 | Not Detected |
| 1,2-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| 1,2-Dichloropropane | 0.10 | Not Detected | 0.46 | 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 |
| 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 |
| 1,3-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801438A-10A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012807a | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/28/08 01:35 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 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 | 3.7 | Not Detected |

J = Estimated value.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 94 | 70-130 |
| Toluene-d8 | 84 | 70-130 |
| 4-Bromofluorobenzene | 121 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801438A-10B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012807sima | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/28/08 01:35 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.020 | Not Detected | 0.11 | Not Detected |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 90 | 70-130 |
| Toluene-d8 | 82 | 70-130 |
| 4-Bromofluorobenzene | 120 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801438A-10C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012905a | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 02:11 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.10 | Not Detected | 0.49 | Not Detected |
| Chloromethane | 0.10 | Not Detected | 0.21 | Not Detected |
| Vinyl Chloride | 0.10 | Not Detected | 0.26 | 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 | 0.19 J | 1.2 | 0.44 J |
| Carbon Disulfide | 0.50 | Not Detected | 1.6 | Not Detected |
| Methylene Chloride | 0.20 | 0.036 J | 0.69 | 0.12 J |
| Methyl tert-butyl ether | 0.10 | Not Detected | 0.36 | Not Detected |
| trans-1,2-Dichloroethene | 0.10 | Not Detected | 0.40 | 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 |
| Chloroform | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Carbon Tetrachloride | 0.10 | Not Detected | 0.63 | Not Detected |
| Benzene | 0.10 | Not Detected | 0.32 | Not Detected |
| 1,2-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| 1,2-Dichloropropane | 0.10 | Not Detected | 0.46 | 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 | 0.026 J | 0.41 | 0.10 J |
| 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 |
| 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 | 0.017 J | 0.42 | 0.074 J |
| Bromoform | 0.10 | Not Detected | 1.0 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.10 | 0.030 J | 0.69 | 0.21 J |
| 1,3-Dichlorobenzene | 0.10 | 0.047 J | 0.60 | 0.28 J |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801438A-10C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012905a | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 02:11 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.10 | 0.064 J | 0.60 | 0.38 J |
| 1,2-Dichlorobenzene | 0.10 | 0.065 J | 0.60 | 0.39 J |
| 1,2,4-Trichlorobenzene | 0.50 | 0.34 J | 3.7 | 2.5 J |

J = Estimated value.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 70-130 |
| Toluene-d8 | 84 | 70-130 |
| 4-Bromofluorobenzene | 120 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801438A-10D**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012905sima | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 02:11 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.020 | 0.0035 J | 0.11 | 0.019 J |

J = Estimated value.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | 70-130 |
| Toluene-d8 | 82 | 70-130 |
| 4-Bromofluorobenzene | 120 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801438A-11A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012802 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/28/08 08:55 AM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 87 |
| Chloromethane | 102 |
| Vinyl Chloride | 81 |
| Bromomethane | 97 |
| Chloroethane | 94 |
| Freon 11 | 85 |
| Freon 113 | 94 |
| 1,1-Dichloroethene | 78 |
| Acetone | 98 |
| Carbon Disulfide | 80 |
| Methylene Chloride | 70 |
| Methyl tert-butyl ether | 71 |
| trans-1,2-Dichloroethene | 79 |
| 1,1-Dichloroethane | 83 |
| 2-Butanone (Methyl Ethyl Ketone) | 76 |
| cis-1,2-Dichloroethene | 87 |
| Chloroform | 92 |
| 1,1,1-Trichloroethane | 88 |
| Carbon Tetrachloride | 91 |
| Benzene | 83 |
| 1,2-Dichloroethane | 92 |
| 1,2-Dichloropropane | 83 |
| Bromodichloromethane | 82 |
| cis-1,3-Dichloropropene | 80 |
| 4-Methyl-2-pentanone | 96 |
| Toluene | 87 |
| trans-1,3-Dichloropropene | 76 |
| 1,1,2-Trichloroethane | 81 |
| Tetrachloroethene | 98 |
| Dibromochloromethane | 91 |
| 1,2-Dibromoethane (EDB) | 86 |
| Chlorobenzene | 92 |
| Ethyl Benzene | 89 |
| m,p-Xylene | 92 |
| o-Xylene | 93 |
| Styrene | 93 |
| Bromoform | 105 |
| 1,1,2,2-Tetrachloroethane | 88 |
| 1,3-Dichlorobenzene | 104 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801438A-11A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012802 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/28/08 08:55 AM | |

| Compound | %Recovery |
|---|---|
| 1,4-Dichlorobenzene | 104 |
| 1,2-Dichlorobenzene | 103 |
| 1,2,4-Trichlorobenzene | 104 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | 70-130 |
| Toluene-d8 | 95 | 70-130 |
| 4-Bromofluorobenzene | 119 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801438A-11B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012802sim | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/28/08 08:55 AM | |

| Compound | %Recovery |
|---|---|
| Trichloroethene | 94 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 96 | 70-130 |
| Toluene-d8 | 93 | 70-130 |
| 4-Bromofluorobenzene | 116 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801438A-11C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012902 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 11:38 AM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 95 |
| Chloromethane | 101 |
| Vinyl Chloride | 94 |
| Bromomethane | 91 |
| Chloroethane | 90 |
| Freon 11 | 109 |
| Freon 113 | 109 |
| 1,1-Dichloroethene | 89 |
| Acetone | 98 |
| Carbon Disulfide | 91 |
| Methylene Chloride | 82 |
| Methyl tert-butyl ether | 96 |
| trans-1,2-Dichloroethene | 88 |
| 1,1-Dichloroethane | 99 |
| 2-Butanone (Methyl Ethyl Ketone) | 103 |
| cis-1,2-Dichloroethene | 97 |
| Chloroform | 107 |
| 1,1,1-Trichloroethane | 105 |
| Carbon Tetrachloride | 90 |
| Benzene | 96 |
| 1,2-Dichloroethane | 111 |
| 1,2-Dichloropropane | 96 |
| Bromodichloromethane | 98 |
| cis-1,3-Dichloropropene | 94 |
| 4-Methyl-2-pentanone | 133 Q |
| Toluene | 100 |
| trans-1,3-Dichloropropene | 91 |
| 1,1,2-Trichloroethane | 96 |
| Tetrachloroethene | 113 |
| Dibromochloromethane | 106 |
| 1,2-Dibromoethane (EDB) | 102 |
| Chlorobenzene | 106 |
| Ethyl Benzene | 104 |
| m,p-Xylene | 106 |
| o-Xylene | 109 |
| Styrene | 109 |
| Bromoform | 128 |
| 1,1,2,2-Tetrachloroethane | 108 |
| 1,3-Dichlorobenzene | 129 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801438A-11C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012902 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 11:38 AM | |

| Compound | %Recovery |
|---|---|
| 1,4-Dichlorobenzene | 128 |
| 1,2-Dichlorobenzene | 130 |
| 1,2,4-Trichlorobenzene | 122 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | 70-130 |
| Toluene-d8 | 95 | 70-130 |
| 4-Bromofluorobenzene | 122 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801438A-11D**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012902sim | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 11:38 AM | |

| Compound | %Recovery |
|---|---|
| Trichloroethene | 110 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 99 | 70-130 |
| Toluene-d8 | 92 | 70-130 |
| 4-Bromofluorobenzene | 122 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801438A-12A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012803 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/28/08 10:17 AM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 90 |
| Chloromethane | 113 |
| Vinyl Chloride | 90 |
| Bromomethane | 105 |
| Chloroethane | 106 |
| Freon 11 | 98 |
| Freon 113 | 116 |
| 1,1-Dichloroethene | 101 |
| Acetone | 98 |
| Carbon Disulfide | 94 |
| Methylene Chloride | 90 |
| Methyl tert-butyl ether | 83 |
| trans-1,2-Dichloroethene | 92 |
| 1,1-Dichloroethane | 106 |
| 2-Butanone (Methyl Ethyl Ketone) | 90 |
| cis-1,2-Dichloroethene | 102 |
| Chloroform | 111 |
| 1,1,1-Trichloroethane | 107 |
| Carbon Tetrachloride | 113 |
| Benzene | 99 |
| 1,2-Dichloroethane | 114 |
| 1,2-Dichloropropane | 98 |
| Bromodichloromethane | 101 |
| cis-1,3-Dichloropropene | 96 |
| 4-Methyl-2-pentanone | 126 |
| Toluene | 108 |
| trans-1,3-Dichloropropene | 90 |
| 1,1,2-Trichloroethane | 95 |
| Tetrachloroethene | 114 |
| Dibromochloromethane | 107 |
| 1,2-Dibromoethane (EDB) | 100 |
| Chlorobenzene | 107 |
| Ethyl Benzene | 106 |
| m,p-Xylene | 108 |
| o-Xylene | 112 |
| Styrene | 109 |
| Bromoform | 130 |
| 1,1,2,2-Tetrachloroethane | 108 |
| 1,3-Dichlorobenzene | 129 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801438A-12A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012803 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/28/08 10:17 AM | |

| Compound | %Recovery |
|---|---|
| 1,4-Dichlorobenzene | 127 |
| 1,2-Dichlorobenzene | 128 |
| 1,2,4-Trichlorobenzene | 153 Q |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 99 | 70-130 |
| Toluene-d8 | 95 | 70-130 |
| 4-Bromofluorobenzene | 120 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801438A-12B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012803sim | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/28/08 10:17 AM | |

| Compound | %Recovery |
|---|---|
| Trichloroethene | 111 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 101 | 70-130 |
| Toluene-d8 | 94 | 70-130 |
| 4-Bromofluorobenzene | 120 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801438A-12C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012903 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 12:09 PM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 100 |
| Chloromethane | 104 |
| Vinyl Chloride | 96 |
| Bromomethane | 110 |
| Chloroethane | 114 |
| Freon 11 | 106 |
| Freon 113 | 121 |
| 1,1-Dichloroethene | 110 |
| Acetone | 106 |
| Carbon Disulfide | 101 |
| Methylene Chloride | 95 |
| Methyl tert-butyl ether | 85 |
| trans-1,2-Dichloroethene | 94 |
| 1,1-Dichloroethane | 104 |
| 2-Butanone (Methyl Ethyl Ketone) | 84 |
| cis-1,2-Dichloroethene | 92 |
| Chloroform | 94 |
| 1,1,1-Trichloroethane | 98 |
| Carbon Tetrachloride | 104 |
| Benzene | 88 |
| 1,2-Dichloroethane | 99 |
| 1,2-Dichloropropane | 93 |
| Bromodichloromethane | 95 |
| cis-1,3-Dichloropropene | 92 |
| 4-Methyl-2-pentanone | 124 |
| Toluene | 106 |
| trans-1,3-Dichloropropene | 84 |
| 1,1,2-Trichloroethane | 89 |
| Tetrachloroethene | 107 |
| Dibromochloromethane | 102 |
| 1,2-Dibromoethane (EDB) | 93 |
| Chlorobenzene | 103 |
| Ethyl Benzene | 100 |
| m,p-Xylene | 103 |
| o-Xylene | 109 |
| Styrene | 105 |
| Bromoform | 125 |
| 1,1,2,2-Tetrachloroethane | 104 |
| 1,3-Dichlorobenzene | 128 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801438A-12C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012903 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 12:09 PM | |

| Compound | %Recovery |
|---|---|
| 1,4-Dichlorobenzene | 126 |
| 1,2-Dichlorobenzene | 127 |
| 1,2,4-Trichlorobenzene | 147 Q |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | 70-130 |
| Toluene-d8 | 99 | 70-130 |
| 4-Bromofluorobenzene | 120 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801438A-12D**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012903sim | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 12:09 PM | |

| Compound | %Recovery |
|---|---|
| Trichloroethene | 100 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | 70-130 |
| Toluene-d8 | 96 | 70-130 |
| 4-Bromofluorobenzene | 120 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1005-00**

**Lab ID#: 0801530-01A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020716 | Date of Collection: | 1/28/08 |
| Dil. Factor: | 1.44 | Date of Analysis: | 2/7/08 08:08 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.14 | 0.53 | 0.71 | 2.6 |
| Chloromethane | 0.14 | 0.64 | 0.30 | 1.3 |
| Vinyl Chloride | 0.14 | Not Detected | 0.37 | Not Detected |
| Bromomethane | 0.14 | Not Detected | 0.56 | Not Detected |
| Chloroethane | 0.14 | Not Detected | 0.38 | Not Detected |
| Freon 11 | 0.14 | 0.31 | 0.81 | 1.7 |
| Freon 113 | 0.14 | 0.10 J | 1.1 | 0.77 J |
| 1,1-Dichloroethene | 0.14 | Not Detected | 0.57 | Not Detected |
| Acetone | 0.72 | 3.6 | 1.7 | 8.6 |
| Carbon Disulfide | 0.72 | Not Detected | 2.2 | Not Detected |
| Methylene Chloride | 0.29 | 0.12 J | 1.0 | 0.42 J |
| Methyl tert-butyl ether | 0.14 | Not Detected | 0.52 | Not Detected |
| trans-1,2-Dichloroethene | 0.14 | Not Detected | 0.57 | Not Detected |
| 1,1-Dichloroethane | 0.14 | Not Detected | 0.58 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.14 | 0.36 | 0.42 | 1.1 |
| cis-1,2-Dichloroethene | 0.14 | Not Detected | 0.57 | Not Detected |
| Chloroform | 0.14 | Not Detected | 0.70 | Not Detected |
| 1,1,1-Trichloroethane | 0.14 | Not Detected | 0.78 | Not Detected |
| Carbon Tetrachloride | 0.14 | 0.086 J | 0.91 | 0.54 J |
| Benzene | 0.14 | 0.21 | 0.46 | 0.68 |
| 1,2-Dichloroethane | 0.14 | Not Detected | 0.58 | Not Detected |
| 1,2-Dichloropropane | 0.14 | Not Detected | 0.66 | Not Detected |
| Bromodichloromethane | 0.14 | Not Detected | 0.96 | Not Detected |
| cis-1,3-Dichloropropene | 0.14 | Not Detected | 0.65 | Not Detected |
| 4-Methyl-2-pentanone | 0.14 | Not Detected | 0.59 | Not Detected |
| Toluene | 0.14 | 0.21 | 0.54 | 0.79 |
| trans-1,3-Dichloropropene | 0.14 | Not Detected | 0.65 | Not Detected |
| 1,1,2-Trichloroethane | 0.14 | Not Detected | 0.78 | Not Detected |
| Tetrachloroethene | 0.14 | Not Detected | 0.98 | Not Detected |
| Dibromochloromethane | 0.14 | Not Detected | 1.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.14 | Not Detected | 1.1 | Not Detected |
| Chlorobenzene | 0.14 | Not Detected | 0.66 | Not Detected |
| Ethyl Benzene | 0.14 | Not Detected | 0.62 | Not Detected |
| m,p-Xylene | 0.14 | 0.049 J | 0.62 | 0.21 J |
| o-Xylene | 0.14 | Not Detected | 0.62 | Not Detected |
| Styrene | 0.14 | Not Detected | 0.61 | Not Detected |
| Bromoform | 0.14 | Not Detected | 1.5 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.14 | Not Detected | 0.99 | Not Detected |
| 1,3-Dichlorobenzene | 0.14 | Not Detected | 0.86 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1005-00**

**Lab ID#: 0801530-01A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020716 | Date of Collection: | 1/28/08 |
| Dil. Factor: | 1.44 | Date of Analysis: | 2/7/08 08:08 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.14 | Not Detected | 0.86 | Not Detected |
| 1,2-Dichlorobenzene | 0.14 | Not Detected | 0.86 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.72 | Not Detected | 5.3 | Not Detected |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 102 | 70-130 |
| Toluene-d8 | 94 | 70-130 |
| 4-Bromofluorobenzene | 90 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1005-00**

**Lab ID#: 0801530-01B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020716sim | Date of Collection: 1/28/08 | |
| Dil. Factor: | 1.44 | Date of Analysis: 2/7/08 08:08 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.029 | 0.0073 J | 0.15 | 0.039 J |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 108 | 70-130 |
| Toluene-d8 | 99 | 70-130 |
| 4-Bromofluorobenzene | 92 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1006-00**

**Lab ID#: 0801530-07A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020806 | Date of Collection: | 1/29/08 |
| Dil. Factor: | 6.19 | Date of Analysis: | 2/8/08 12:40 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.62 | 0.49 J | 3.1 | 2.4 J |
| Chloromethane | 0.62 | 0.46 J | 1.3 | 0.94 J |
| Vinyl Chloride | 0.62 | Not Detected | 1.6 | Not Detected |
| Bromomethane | 0.62 | Not Detected | 2.4 | Not Detected |
| Chloroethane | 0.62 | Not Detected | 1.6 | Not Detected |
| Freon 11 | 0.62 | 0.25 J | 3.5 | 1.4 J |
| Freon 113 | 0.62 | Not Detected | 4.7 | Not Detected |
| 1,1-Dichloroethene | 0.62 | Not Detected | 2.4 | Not Detected |
| Acetone | 3.1 | 1.1 J | 7.4 | 2.6 J |
| Carbon Disulfide | 3.1 | Not Detected | 9.6 | Not Detected |
| Methylene Chloride | 1.2 | Not Detected | 4.3 | Not Detected |
| Methyl tert-butyl ether | 0.62 | Not Detected | 2.2 | Not Detected |
| trans-1,2-Dichloroethene | 0.62 | Not Detected | 2.4 | Not Detected |
| 1,1-Dichloroethane | 0.62 | Not Detected | 2.5 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.62 | Not Detected | 1.8 | Not Detected |
| cis-1,2-Dichloroethene | 0.62 | Not Detected | 2.4 | Not Detected |
| Chloroform | 0.62 | Not Detected | 3.0 | Not Detected |
| 1,1,1-Trichloroethane | 0.62 | Not Detected | 3.4 | Not Detected |
| Carbon Tetrachloride | 0.62 | Not Detected | 3.9 | Not Detected |
| Benzene | 0.62 | 0.55 J | 2.0 | 1.8 J |
| 1,2-Dichloroethane | 0.62 | Not Detected | 2.5 | Not Detected |
| 1,2-Dichloropropane | 0.62 | Not Detected | 2.9 | Not Detected |
| Bromodichloromethane | 0.62 | Not Detected | 4.1 | Not Detected |
| cis-1,3-Dichloropropene | 0.62 | Not Detected | 2.8 | Not Detected |
| 4-Methyl-2-pentanone | 0.62 | Not Detected | 2.5 | Not Detected |
| Toluene | 0.62 | 0.89 | 2.3 | 3.4 |
| trans-1,3-Dichloropropene | 0.62 | Not Detected | 2.8 | Not Detected |
| 1,1,2-Trichloroethane | 0.62 | Not Detected | 3.4 | Not Detected |
| Tetrachloroethene | 0.62 | Not Detected | 4.2 | Not Detected |
| Dibromochloromethane | 0.62 | Not Detected | 5.3 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.62 | Not Detected | 4.8 | Not Detected |
| Chlorobenzene | 0.62 | Not Detected | 2.8 | Not Detected |
| Ethyl Benzene | 0.62 | Not Detected | 2.7 | Not Detected |
| m,p-Xylene | 0.62 | 0.17 J | 2.7 | 0.75 J |
| o-Xylene | 0.62 | Not Detected | 2.7 | Not Detected |
| Styrene | 0.62 | Not Detected | 2.6 | Not Detected |
| Bromoform | 0.62 | Not Detected | 6.4 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.62 | Not Detected | 4.2 | Not Detected |
| 1,3-Dichlorobenzene | 0.62 | Not Detected | 3.7 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1006-00**

**Lab ID#: 0801530-07A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020806 | Date of Collection: | 1/29/08 |
| Dil. Factor: | 6.19 | Date of Analysis: | 2/8/08 12:40 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.62 | Not Detected | 3.7 | Not Detected |
| 1,2-Dichlorobenzene | 0.62 | Not Detected | 3.7 | Not Detected |
| 1,2,4-Trichlorobenzene | 3.1 | Not Detected | 23 | Not Detected |

J = Estimated value.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 95 | 70-130 |
| Toluene-d8 | 93 | 70-130 |
| 4-Bromofluorobenzene | 99 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BPSI-FB1006-00**

**Lab ID#: 0801530-07B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020806sim | Date of Collection: | 1/29/08 |
| Dil. Factor: | 6.19 | Date of Analysis: | 2/8/08 12:40 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.12 | 5.2 | 0.66 | 28 |

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 96 | 70-130 |
| Toluene-d8 | 94 | 70-130 |
| 4-Bromofluorobenzene | 98 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801530-09A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020706a | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/7/08 12:20 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.10 | Not Detected | 0.49 | Not Detected |
| Chloromethane | 0.10 | Not Detected | 0.21 | Not Detected |
| Vinyl Chloride | 0.10 | Not Detected | 0.26 | 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 | 0.40 J |
| Carbon Disulfide | 0.50 | Not Detected | 1.6 | Not Detected |
| 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 |
| 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 |
| Chloroform | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Carbon Tetrachloride | 0.10 | Not Detected | 0.63 | Not Detected |
| Benzene | 0.10 | Not Detected | 0.32 | Not Detected |
| 1,2-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| 1,2-Dichloropropane | 0.10 | Not Detected | 0.46 | 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 |
| 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 |
| 1,3-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801530-09A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020706a | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/7/08 12:20 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 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 | 3.7 | Not Detected |

J = Estimated value.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | 70-130 |
| Toluene-d8 | 93 | 70-130 |
| 4-Bromofluorobenzene | 94 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801530-09B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020706asim | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/7/08 12:20 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.020 | Not Detected | 0.11 | Not Detected |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 110 | 70-130 |
| Toluene-d8 | 99 | 70-130 |
| 4-Bromofluorobenzene | 94 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801530-09C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020805a | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/8/08 11:43 AM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.10 | Not Detected | 0.49 | Not Detected |
| Chloromethane | 0.10 | Not Detected | 0.21 | Not Detected |
| Vinyl Chloride | 0.10 | Not Detected | 0.26 | 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 | Not Detected | 1.2 | Not Detected |
| Carbon Disulfide | 0.50 | Not Detected | 1.6 | Not Detected |
| 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 |
| 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 |
| Chloroform | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Carbon Tetrachloride | 0.10 | Not Detected | 0.63 | Not Detected |
| Benzene | 0.10 | Not Detected | 0.32 | Not Detected |
| 1,2-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| 1,2-Dichloropropane | 0.10 | Not Detected | 0.46 | 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 |
| 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 |
| 1,3-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801530-09C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020805a | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/8/08 11:43 AM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 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 | 0.090 J | 3.7 | 0.67 J |

J = Estimated value.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | 70-130 |
| Toluene-d8 | 92 | 70-130 |
| 4-Bromofluorobenzene | 104 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801530-09D**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020805asim | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/8/08 11:43 AM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.020 | Not Detected | 0.11 | Not Detected |

**Container Type: NA - Not Applicable**

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801530-10A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020702 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/7/08 09:23 AM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 107 |
| Chloromethane | 110 |
| Vinyl Chloride | 107 |
| Bromomethane | 97 |
| Chloroethane | 97 |
| Freon 11 | 115 |
| Freon 113 | 110 |
| 1,1-Dichloroethene | 94 |
| Acetone | 96 |
| Carbon Disulfide | 100 |
| Methylene Chloride | 100 |
| Methyl tert-butyl ether | 74 |
| trans-1,2-Dichloroethene | 109 |
| 1,1-Dichloroethane | 98 |
| 2-Butanone (Methyl Ethyl Ketone) | 102 |
| cis-1,2-Dichloroethene | 92 |
| Chloroform | 103 |
| 1,1,1-Trichloroethane | 100 |
| Carbon Tetrachloride | 110 |
| Benzene | 111 |
| 1,2-Dichloroethane | 114 |
| 1,2-Dichloropropane | 110 |
| Bromodichloromethane | 113 |
| cis-1,3-Dichloropropene | 94 |
| 4-Methyl-2-pentanone | 116 |
| Toluene | 108 |
| trans-1,3-Dichloropropene | 104 |
| 1,1,2-Trichloroethane | 114 |
| Tetrachloroethene | 116 |
| Dibromochloromethane | 122 |
| 1,2-Dibromoethane (EDB) | 111 |
| Chlorobenzene | 111 |
| Ethyl Benzene | 106 |
| m,p-Xylene | 110 |
| o-Xylene | 111 |
| Styrene | 113 |
| Bromoform | 127 |
| 1,1,2,2-Tetrachloroethane | 110 |
| 1,3-Dichlorobenzene | 108 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801530-10A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020702 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/7/08 09:23 AM | |

| Compound | %Recovery |
|---|---|
| 1,4-Dichlorobenzene | 107 |
| 1,2-Dichlorobenzene | 108 |
| 1,2,4-Trichlorobenzene | 87 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 99 | 70-130 |
| Toluene-d8 | 103 | 70-130 |
| 4-Bromofluorobenzene | 105 | 70-130 |

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801530-10B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020702sim | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/7/08 09:23 AM | |

| Compound | %Recovery |
|---|---|
| Trichloroethene | 101 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 103 | 70-130 |
| Toluene-d8 | 103 | 70-130 |
| 4-Bromofluorobenzene | 104 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801530-10C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020802 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/8/08 10:07 AM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 100 |
| Chloromethane | 96 |
| Vinyl Chloride | 99 |
| Bromomethane | 96 |
| Chloroethane | 96 |
| Freon 11 | 109 |
| Freon 113 | 103 |
| 1,1-Dichloroethene | 107 |
| Acetone | 97 |
| Carbon Disulfide | 104 |
| Methylene Chloride | 102 |
| Methyl tert-butyl ether | 100 |
| trans-1,2-Dichloroethene | 112 |
| 1,1-Dichloroethane | 101 |
| 2-Butanone (Methyl Ethyl Ketone) | 112 |
| cis-1,2-Dichloroethene | 107 |
| Chloroform | 99 |
| 1,1,1-Trichloroethane | 96 |
| Carbon Tetrachloride | 101 |
| Benzene | 100 |
| 1,2-Dichloroethane | 96 |
| 1,2-Dichloropropane | 101 |
| Bromodichloromethane | 100 |
| cis-1,3-Dichloropropene | 101 |
| 4-Methyl-2-pentanone | 105 |
| Toluene | 103 |
| trans-1,3-Dichloropropene | 99 |
| 1,1,2-Trichloroethane | 106 |
| Tetrachloroethene | 107 |
| Dibromochloromethane | 108 |
| 1,2-Dibromoethane (EDB) | 105 |
| Chlorobenzene | 101 |
| Ethyl Benzene | 102 |
| m,p-Xylene | 106 |
| o-Xylene | 109 |
| Styrene | 108 |
| Bromoform | 119 |
| 1,1,2,2-Tetrachloroethane | 101 |
| 1,3-Dichlorobenzene | 103 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801530-10C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020802 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/8/08 10:07 AM | |

| Compound | %Recovery |
|---|---|
| 1,4-Dichlorobenzene | 100 |
| 1,2-Dichlorobenzene | 102 |
| 1,2,4-Trichlorobenzene | 90 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | 70-130 |
| Toluene-d8 | 99 | 70-130 |
| 4-Bromofluorobenzene | 104 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801530-10D**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020802sim | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/8/08 10:07 AM | |

| Compound | %Recovery |
|---|---|
| Trichloroethene | 98 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 90 | 70-130 |
| Toluene-d8 | 100 | 70-130 |
| 4-Bromofluorobenzene | 102 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801530-11A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020703 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/7/08 09:53 AM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 96 |
| Chloromethane | 101 |
| Vinyl Chloride | 95 |
| Bromomethane | 86 |
| Chloroethane | 94 |
| Freon 11 | 102 |
| Freon 113 | 114 |
| 1,1-Dichloroethene | 98 |
| Acetone | 88 |
| Carbon Disulfide | 93 |
| Methylene Chloride | 96 |
| Methyl tert-butyl ether | 70 |
| trans-1,2-Dichloroethene | 100 |
| 1,1-Dichloroethane | 98 |
| 2-Butanone (Methyl Ethyl Ketone) | 94 |
| cis-1,2-Dichloroethene | 91 |
| Chloroform | 97 |
| 1,1,1-Trichloroethane | 93 |
| Carbon Tetrachloride | 101 |
| Benzene | 99 |
| 1,2-Dichloroethane | 104 |
| 1,2-Dichloropropane | 101 |
| Bromodichloromethane | 103 |
| cis-1,3-Dichloropropene | 88 |
| 4-Methyl-2-pentanone | 104 |
| Toluene | 101 |
| trans-1,3-Dichloropropene | 94 |
| 1,1,2-Trichloroethane | 102 |
| Tetrachloroethene | 105 |
| Dibromochloromethane | 113 |
| 1,2-Dibromoethane (EDB) | 99 |
| Chlorobenzene | 98 |
| Ethyl Benzene | 95 |
| m,p-Xylene | 101 |
| o-Xylene | 103 |
| Styrene | 101 |
| Bromoform | 116 |
| 1,1,2,2-Tetrachloroethane | 101 |
| 1,3-Dichlorobenzene | 100 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801530-11A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020703 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/7/08 09:53 AM | |

| Compound | %Recovery |
|---|---|
| 1,4-Dichlorobenzene | 96 |
| 1,2-Dichlorobenzene | 100 |
| 1,2,4-Trichlorobenzene | 94 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 70-130 |
| Toluene-d8 | 99 | 70-130 |
| 4-Bromofluorobenzene | 102 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801530-11B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020703sim | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/7/08 09:53 AM | |

| Compound | %Recovery |
|---|---|
| Trichloroethene | 94 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 105 | 70-130 |
| Toluene-d8 | 101 | 70-130 |
| 4-Bromofluorobenzene | 100 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801530-11C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020803 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/8/08 10:38 AM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 92 |
| Chloromethane | 87 |
| Vinyl Chloride | 88 |
| Bromomethane | 85 |
| Chloroethane | 83 |
| Freon 11 | 100 |
| Freon 113 | 108 |
| 1,1-Dichloroethene | 110 |
| Acetone | 88 |
| Carbon Disulfide | 97 |
| Methylene Chloride | 104 |
| Methyl tert-butyl ether | 89 |
| trans-1,2-Dichloroethene | 104 |
| 1,1-Dichloroethane | 97 |
| 2-Butanone (Methyl Ethyl Ketone) | 113 |
| cis-1,2-Dichloroethene | 103 |
| Chloroform | 98 |
| 1,1,1-Trichloroethane | 92 |
| Carbon Tetrachloride | 99 |
| Benzene | 95 |
| 1,2-Dichloroethane | 90 |
| 1,2-Dichloropropane | 94 |
| Bromodichloromethane | 95 |
| cis-1,3-Dichloropropene | 93 |
| 4-Methyl-2-pentanone | 96 |
| Toluene | 100 |
| trans-1,3-Dichloropropene | 97 |
| 1,1,2-Trichloroethane | 105 |
| Tetrachloroethene | 111 |
| Dibromochloromethane | 107 |
| 1,2-Dibromoethane (EDB) | 100 |
| Chlorobenzene | 99 |
| Ethyl Benzene | 97 |
| m,p-Xylene | 100 |
| o-Xylene | 107 |
| Styrene | 105 |
| Bromoform | 121 |
| 1,1,2,2-Tetrachloroethane | 98 |
| 1,3-Dichlorobenzene | 105 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801530-11C**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020803 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/8/08 10:38 AM | |

| Compound | %Recovery |
|---|---|
| 1,4-Dichlorobenzene | 103 |
| 1,2-Dichlorobenzene | 104 |
| 1,2,4-Trichlorobenzene | 116 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 90 | 70-130 |
| Toluene-d8 | 96 | 70-130 |
| 4-Bromofluorobenzene | 109 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801530-11D**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | z020803sim | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 2/8/08 10:38 AM | |

| Compound | %Recovery |
|---|---|
| Trichloroethene | 96 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 89 | 70-130 |
| Toluene-d8 | 99 | 70-130 |
| 4-Bromofluorobenzene | 104 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801438C-14A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013105a | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/31/08 11:58 AM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.50 | Not Detected | 2.5 | Not Detected |
| Chloromethane | 2.0 | Not Detected | 4.1 | Not Detected |
| Vinyl Chloride | 0.50 | Not Detected | 1.3 | Not Detected |
| Bromomethane | 0.50 | Not Detected | 1.9 | Not Detected |
| Chloroethane | 0.50 | Not Detected | 1.3 | Not Detected |
| Freon 11 | 0.50 | Not Detected | 2.8 | Not Detected |
| Freon 113 | 0.50 | Not Detected | 3.8 | Not Detected |
| 1,1-Dichloroethene | 0.50 | Not Detected | 2.0 | Not Detected |
| Acetone | 2.0 | Not Detected | 4.8 | Not Detected |
| Carbon Disulfide | 0.50 | Not Detected | 1.6 | Not Detected |
| Methylene Chloride | 0.50 | Not Detected | 1.7 | Not Detected |
| Methyl tert-butyl ether | 0.50 | Not Detected | 1.8 | Not Detected |
| trans-1,2-Dichloroethene | 0.50 | Not Detected | 2.0 | Not Detected |
| 1,1-Dichloroethane | 0.50 | Not Detected | 2.0 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.50 | Not Detected | 1.5 | Not Detected |
| cis-1,2-Dichloroethene | 0.50 | Not Detected | 2.0 | Not Detected |
| Chloroform | 0.50 | Not Detected | 2.4 | Not Detected |
| 1,1,1-Trichloroethane | 0.50 | Not Detected | 2.7 | Not Detected |
| Carbon Tetrachloride | 0.50 | Not Detected | 3.1 | Not Detected |
| Benzene | 0.50 | Not Detected | 1.6 | Not Detected |
| 1,2-Dichloroethane | 0.50 | Not Detected | 2.0 | Not Detected |
| Trichloroethene | 0.50 | Not Detected | 2.7 | Not Detected |
| 1,2-Dichloropropane | 0.50 | Not Detected | 2.3 | Not Detected |
| Bromodichloromethane | 0.50 | Not Detected | 3.4 | Not Detected |
| cis-1,3-Dichloropropene | 0.50 | Not Detected | 2.3 | Not Detected |
| 4-Methyl-2-pentanone | 0.50 | Not Detected | 2.0 | Not Detected |
| Toluene | 0.50 | Not Detected | 1.9 | Not Detected |
| trans-1,3-Dichloropropene | 0.50 | Not Detected | 2.3 | Not Detected |
| 1,1,2-Trichloroethane | 0.50 | Not Detected | 2.7 | Not Detected |
| Tetrachloroethene | 0.50 | Not Detected | 3.4 | Not Detected |
| Dibromochloromethane | 0.50 | Not Detected | 4.2 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.50 | Not Detected | 3.8 | Not Detected |
| Chlorobenzene | 0.50 | Not Detected | 2.3 | Not Detected |
| Ethyl Benzene | 0.50 | Not Detected | 2.2 | Not Detected |
| m,p-Xylene | 0.50 | Not Detected | 2.2 | Not Detected |
| o-Xylene | 0.50 | Not Detected | 2.2 | Not Detected |
| Styrene | 0.50 | Not Detected | 2.1 | Not Detected |
| Bromoform | 0.50 | Not Detected | 5.2 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.50 | Not Detected | 3.4 | Not Detected |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801438C-14A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013105a | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/31/08 11:58 AM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,3-Dichlorobenzene | 0.50 | Not Detected | 3.0 | Not Detected |
| 1,4-Dichlorobenzene | 0.50 | Not Detected | 3.0 | Not Detected |
| 1,2-Dichlorobenzene | 0.50 | Not Detected | 3.0 | Not Detected |
| 1,2,4-Trichlorobenzene | 2.0 | Not Detected U J | 15 | Not Detected U J |

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

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Toluene-d8 | 98 | 70-130 |
| 1,2-Dichloroethane-d4 | 115 | 70-130 |
| 4-Bromofluorobenzene | 96 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801438C-15A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013102 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/31/08 09:32 AM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 96 |
| Chloromethane | 84 |
| Vinyl Chloride | 80 |
| Bromomethane | 82 |
| Chloroethane | 84 |
| Freon 11 | 91 |
| Freon 113 | 85 |
| 1,1-Dichloroethene | 84 |
| Acetone | 83 |
| Carbon Disulfide | 79 |
| Methylene Chloride | 84 |
| Methyl tert-butyl ether | 91 |
| trans-1,2-Dichloroethene | 81 |
| 1,1-Dichloroethane | 85 |
| 2-Butanone (Methyl Ethyl Ketone) | 74 |
| cis-1,2-Dichloroethene | 78 |
| Chloroform | 84 |
| 1,1,1-Trichloroethane | 94 |
| Carbon Tetrachloride | 107 |
| Benzene | 75 |
| 1,2-Dichloroethane | 90 |
| Trichloroethene | 78 |
| 1,2-Dichloropropane | 72 |
| Bromodichloromethane | 86 |
| cis-1,3-Dichloropropene | 80 |
| 4-Methyl-2-pentanone | 82 |
| Toluene | 76 |
| trans-1,3-Dichloropropene | 87 |
| 1,1,2-Trichloroethane | 82 |
| Tetrachloroethene | 81 |
| Dibromochloromethane | 90 |
| 1,2-Dibromoethane (EDB) | 81 |
| Chlorobenzene | 78 |
| Ethyl Benzene | 80 |
| m,p-Xylene | 78 |
| o-Xylene | 79 |
| Styrene | 83 |
| Bromoform | 93 |
| 1,1,2,2-Tetrachloroethane | 76 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801438C-15A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013102 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/31/08 09:32 AM | |

| Compound | %Recovery |
|---|---|
| 1,3-Dichlorobenzene | 75 |
| 1,4-Dichlorobenzene | 73 |
| 1,2-Dichlorobenzene | 77 |
| 1,2,4-Trichlorobenzene | 65 Q |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Toluene-d8 | 100 | 70-130 |
| 1,2-Dichloroethane-d4 | 112 | 70-130 |
| 4-Bromofluorobenzene | 107 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801438C-16A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013103 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/31/08 10:06 AM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 86 |
| Chloromethane | 85 |
| Vinyl Chloride | 74 |
| Bromomethane | 79 |
| Chloroethane | 79 |
| Freon 11 | 83 |
| Freon 113 | 88 |
| 1,1-Dichloroethene | 88 |
| Acetone | 82 |
| Carbon Disulfide | 76 |
| Methylene Chloride | 84 |
| Methyl tert-butyl ether | 83 |
| trans-1,2-Dichloroethene | 78 |
| 1,1-Dichloroethane | 84 |
| 2-Butanone (Methyl Ethyl Ketone) | 76 |
| cis-1,2-Dichloroethene | 77 |
| Chloroform | 82 |
| 1,1,1-Trichloroethane | 91 |
| Carbon Tetrachloride | 104 |
| Benzene | 72 |
| 1,2-Dichloroethane | 88 |
| Trichloroethene | 76 |
| 1,2-Dichloropropane | 71 |
| Bromodichloromethane | 84 |
| cis-1,3-Dichloropropene | 79 |
| 4-Methyl-2-pentanone | 82 |
| Toluene | 76 |
| trans-1,3-Dichloropropene | 90 |
| 1,1,2-Trichloroethane | 81 |
| Tetrachloroethene | 82 |
| Dibromochloromethane | 90 |
| 1,2-Dibromoethane (EDB) | 80 |
| Chlorobenzene | 75 |
| Ethyl Benzene | 77 |
| m,p-Xylene | 79 |
| o-Xylene | 79 |
| Styrene | 81 |
| Bromoform | 92 |
| 1,1,2,2-Tetrachloroethane | 76 |

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801438C-16A**

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 8013103 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/31/08 10:06 AM | |

| Compound | %Recovery |
|---|---|
| 1,3-Dichlorobenzene | 79 |
| 1,4-Dichlorobenzene | 76 |
| 1,2-Dichlorobenzene | 83 |
| 1,2,4-Trichlorobenzene | 72 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| Toluene-d8 | 99 | 70-130 |
| 1,2-Dichloroethane-d4 | 114 | 70-130 |
| 4-Bromofluorobenzene | 111 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801438B-12A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| File Name: | s012905a | Date of Collection: NA |
|---|---|---|
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 02:11 PM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Freon 12 | 0.10 | Not Detected | 0.49 | Not Detected |
| Chloromethane | 0.10 | Not Detected | 0.21 | Not Detected |
| Vinyl Chloride | 0.10 | Not Detected | 0.26 | 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 | 0.19 J | 1.2 | 0.44 J |
| Carbon Disulfide | 0.50 | Not Detected | 1.6 | Not Detected |
| Methylene Chloride | 0.20 | 0.036 J | 0.69 | 0.12 J |
| Methyl tert-butyl ether | 0.10 | Not Detected | 0.36 | Not Detected |
| trans-1,2-Dichloroethene | 0.10 | Not Detected | 0.40 | 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 |
| Chloroform | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Carbon Tetrachloride | 0.10 | Not Detected | 0.63 | Not Detected |
| Benzene | 0.10 | Not Detected | 0.32 | Not Detected |
| 1,2-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| 1,2-Dichloropropane | 0.10 | Not Detected | 0.46 | 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 | 0.026 J | 0.41 | 0.10 J |
| 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 |
| 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 | 0.017 J | 0.42 | 0.074 J |
| Bromoform | 0.10 | Not Detected | 1.0 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.10 | 0.030 J | 0.69 | 0.21 J |
| 1,3-Dichlorobenzene | 0.10 | 0.047 J | 0.60 | 0.28 J |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801438B-12A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012905a | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 02:11 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | 0.10 | 0.064 J | 0.60 | 0.38 J |
| 1,2-Dichlorobenzene | 0.10 | 0.065 J | 0.60 | 0.39 J |
| 1,2,4-Trichlorobenzene | 0.50 | 0.34 J | 3.7 | 2.5 J |

J = Estimated value.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 97 | 70-130 |
| Toluene-d8 | 84 | 70-130 |
| 4-Bromofluorobenzene | 120 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0801438B-12B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012905sima | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 02:11 PM | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---|---|---|---|---|
| Trichloroethene | 0.020 | 0.0035 J | 0.11 | 0.019 J |

J = Estimated value.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 93 | 70-130 |
| Toluene-d8 | 82 | 70-130 |
| 4-Bromofluorobenzene | 120 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801438B-13A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012902 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 11:38 AM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 95 |
| Chloromethane | 101 |
| Vinyl Chloride | 94 |
| Bromomethane | 91 |
| Chloroethane | 90 |
| Freon 11 | 109 |
| Freon 113 | 109 |
| 1,1-Dichloroethene | 89 |
| Acetone | 98 |
| Carbon Disulfide | 91 |
| Methylene Chloride | 82 |
| Methyl tert-butyl ether | 96 |
| trans-1,2-Dichloroethene | 88 |
| 1,1-Dichloroethane | 99 |
| 2-Butanone (Methyl Ethyl Ketone) | 103 |
| cis-1,2-Dichloroethene | 97 |
| Chloroform | 107 |
| 1,1,1-Trichloroethane | 105 |
| Carbon Tetrachloride | 90 |
| Benzene | 96 |
| 1,2-Dichloroethane | 111 |
| 1,2-Dichloropropane | 96 |
| Bromodichloromethane | 98 |
| cis-1,3-Dichloropropene | 94 |
| 4-Methyl-2-pentanone | 133 Q |
| Toluene | 100 |
| trans-1,3-Dichloropropene | 91 |
| 1,1,2-Trichloroethane | 96 |
| Tetrachloroethene | 113 |
| Dibromochloromethane | 106 |
| 1,2-Dibromoethane (EDB) | 102 |
| Chlorobenzene | 106 |
| Ethyl Benzene | 104 |
| m,p-Xylene | 106 |
| o-Xylene | 109 |
| Styrene | 109 |
| Bromoform | 128 |
| 1,1,2,2-Tetrachloroethane | 108 |
| 1,3-Dichlorobenzene | 129 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801438B-13A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012902 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 11:38 AM | |

| Compound | %Recovery |
|---|---|
| 1,4-Dichlorobenzene | 128 |
| 1,2-Dichlorobenzene | 130 |
| 1,2,4-Trichlorobenzene | 122 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 100 | 70-130 |
| Toluene-d8 | 95 | 70-130 |
| 4-Bromofluorobenzene | 122 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: CCV**

**Lab ID#: 0801438B-13B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012902sim | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 11:38 AM | |

| Compound | %Recovery |
|---|---|
| Trichloroethene | 110 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 99 | 70-130 |
| Toluene-d8 | 92 | 70-130 |
| 4-Bromofluorobenzene | 122 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801438B-14A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012903 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 12:09 PM | |

| Compound | %Recovery |
|---|---|
| Freon 12 | 100 |
| Chloromethane | 104 |
| Vinyl Chloride | 96 |
| Bromomethane | 110 |
| Chloroethane | 114 |
| Freon 11 | 106 |
| Freon 113 | 121 |
| 1,1-Dichloroethene | 110 |
| Acetone | 106 |
| Carbon Disulfide | 101 |
| Methylene Chloride | 95 |
| Methyl tert-butyl ether | 85 |
| trans-1,2-Dichloroethene | 94 |
| 1,1-Dichloroethane | 104 |
| 2-Butanone (Methyl Ethyl Ketone) | 84 |
| cis-1,2-Dichloroethene | 92 |
| Chloroform | 94 |
| 1,1,1-Trichloroethane | 98 |
| Carbon Tetrachloride | 104 |
| Benzene | 88 |
| 1,2-Dichloroethane | 99 |
| 1,2-Dichloropropane | 93 |
| Bromodichloromethane | 95 |
| cis-1,3-Dichloropropene | 92 |
| 4-Methyl-2-pentanone | 124 |
| Toluene | 106 |
| trans-1,3-Dichloropropene | 84 |
| 1,1,2-Trichloroethane | 89 |
| Tetrachloroethene | 107 |
| Dibromochloromethane | 102 |
| 1,2-Dibromoethane (EDB) | 93 |
| Chlorobenzene | 103 |
| Ethyl Benzene | 100 |
| m,p-Xylene | 103 |
| o-Xylene | 109 |
| Styrene | 105 |
| Bromoform | 125 |
| 1,1,2,2-Tetrachloroethane | 104 |
| 1,3-Dichlorobenzene | 128 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801438B-14A**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | s012803 | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 12:09 PM | |

| Compound | %Recovery |
|---|---|
| 1,4-Dichlorobenzene | 126 |
| 1,2-Dichlorobenzene | 127 |
| 1,2,4-Trichlorobenzene | 147 Q |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | 70-130 |
| Toluene-d8 | 99 | 70-130 |
| 4-Bromofluorobenzene | 120 | 70-130 |

AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0801438B-14B**

**MODIFIED EPA METHOD TO-15 GC/MS SIM/FULL SCAN**

| | | | |
|---|---|---|---|
| File Name: | 801290Bslm | Date of Collection: NA | |
| Dil. Factor: | 1.00 | Date of Analysis: 1/29/08 12:09 PM | |

| Compound | %Recovery |
|---|---|
| Trichloroethene | 100 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 104 | 70-130 |
| Toluene-d8 | 96 | 70-130 |
| 4-Bromofluorobenzene | 120 | 70-130 |