WASTE STORAGE AREA SOIL/VAPOR STUDY DATA REPORT

CALMAR FACILITY
333 Turnbull Canyon Road
City of Industry, CA

Submitted to:

First Industrial Realty Trust
Chicago, Illinois

and

Los Angeles Regional Water Quality Control Board
Los Angeles, California

Prepared by:

BRADBURNE, BRILLER & JOHNSON, LLC
Amesbury, Massachusetts

July 28, 2005

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1.0 INTRODUCTION

This *Waste Storage Area Soil/Vapor Study Data Report* (Report) summarizes the results from the site investigation activities conducted by Bradburne, Briller & Johnson, LLC (BB&J) in accordance with the Site Investigation Work Plan prepared by BB&J (dated March 19, 2005) and authorized by First Industrial Realty Trust (First Industrial) for the Calmar site located at 333 Turnbull Canyon Road in City of Industry, California (Figure 1 – Subject Property). The site investigation at the Subject Property was conducted following consultation and approval of the Work Plan by the Los Angeles Regional Water Quality Control Board (RWQCB).

2.0 OBJECTIVES

This Report includes our proposed scope of work, following the RWQCB Interim Guidance for Active Soil Investigation, dated February 25, 1997, and DTSC and RWQCB Advisory – Active Soil Investigations, dated January 28, 2003 (i.e., Interim Guidance Document – refer to Appendix A). The purpose of this site investigation was to: (1) acquire soil gas and soil matrix data to update existing laboratory analytical data; (2) to further delineate the nature and extent of known constituents of concern (COCs); and, (3) to address emergent chemicals. The most recent soil-gas data that was available to BB&J, First Industrial and the RWQCB prior to the April 2005 site investigation was collected in September 2000. Based on conversations with First Industrial and the RWQCB, BB&J collected more data for use in developing a Remedial Action Plan (RAP), if necessary, that would address the RWQCB's concerns regarding chlorinated compounds detected in soils at the Subject Property.

3.0 SITE DESCRIPTION

The Calmar Facility, located at 333 Turnbull Canyon Road in City of Industry, California, has been in operation as a plastics injection-mold production plant since 1963, when the facility was constructed. The 6.6-acre property contains one, single-story, slab-on-grade building, which is approximately 112,000-square feet. Activities at the Subject Property include manufacturing, storage and distribution. The southwestern portion of the site has been used as a hazardous waste storage area.

4.0 SITE INVESTIGATION

The purpose of the April 2005 site investigation was to conduct a shallow soil gas and subsurface investigation across the southwestern portion of the Subject Property (i.e., Waste Storage Area) to acquire updated soil gas and soil matrix data, further delineate the nature and extent of known COCs, and measure for the presence of emergent chemicals. BB&J personnel marked the proposed soil gas/soil matrix locations and notified Underground Services Alert 48 hours prior to drilling. The utility markings indicated that several fire suppression water pipes were located in the drilling area; therefore, a detailed geophysical survey of the drilling locations was conducted on April 7, 2005, prior to drilling. The soil gas/soil matrix probe locations are shown on Figure 2.

4.1 Soil Sample and Soil Gas Survey Fieldwork

Seven soil gas probe locations (i.e., SV-1 through SV-7) were advanced to a total depth of 20 feet below ground surface (bgs) using direct-push technology (i.e., a truck-mounted Geoprobe® unit). The original seven soil gas locations were drilled on April 7 and 8, 2005, and are shown on Figure 2. At each soil probe location, one soil gas sample was collected for laboratory analyses at the 5-foot, 10-foot and 20-foot interval to evaluate the concentrations of volatile organics in the shallow soils. Based on the initial soil gas results and from the results of previous work completed by others, two soil probe locations, SV-2 and SV-6, were selected for the collection of soil matrix samples.

4.1.1 Soil Gas Samples

Seven soil gas probe locations were advanced to 20 feet bgs using a Geoprobe® unit. The "nested" soil gas probes were constructed at the 5, 10, and 20-foot intervals using the methodology described in Section 2.2, Soil Gas Sampling Probe Installation in the RWQCB/DTSC Soil Gas Sampling Advisory, dated January 28, 2003.

The soil gas samples were collected at each sampled interval, after 30 minutes of equilibration, from a section of 1/4-inch, virgin polyethylene tube installed at the correct depth interval. To ensure collection of a representative sample, discrete volumes of soil gas were purged to eliminate atmospheric air in the tubing and to allow soil gas into the tubing. In order to maintain equilibrium in the soil, the sample vacuum was monitored during purging to avoid high vacuum pressures. Soil gas was withdrawn from the sampling probe after purging using a gas-tight sampling syringe. Soil gas samples were sub-sampled and analyzed within 30 minutes of collection by H&P Mobile Geochemistry (HPL), an onsite state-certified mobile laboratory.

Field personnel and subcontractors under the supervision of a California Registered Geologist (Daniel T. Elliott) delivered the soil gas samples directly to the mobile laboratory. Chain-of-custody documentation accompanied the samples at all times.

During the survey, duplicate soil gas samples were monitored, leak tests were conducted and the daily calibration checks were run as required. No soil cuttings were generated during this site investigation.

HPL analyzed the soil gas samples for volatile organic compounds (VOCs) using United States Environmental Protection Agency (U.S. EPA) method 8260B. A total of 27 soil gas samples were collected during this task.

4.1.2 Soil Matrix Samples

Soil samples from the SV-2 (at 10 and 25 feet bgs) and SV-6 (at 2.5, 5, 10 and 25 feet bgs) soil gas locations were collected on April 8, 2005 after review of the soil gas data collect the previous day. Samples were collected at the selected intervals by driving a sampler ahead of the probe equipment into undisturbed soil. The samples were sub-sampled and preserved in the field using U.S. EPA method 5035. The soils were classified in accordance with the Unified Soil Classification System (USCS) and the remainder of the samples were retained in clean acetate sleeves, capped with Teflon-lined plastic lids, and sealed. The samples were labeled and placed in a chilled ice chest for delivery to a State-certified laboratory (i.e., American Scientific Laboratories, LLC of Los Angeles,

California) for chemical testing. Chain-of-custody documentation accompanied the samples at all times.

During soil probe advancement, duplicate soil samples and soil cuttings were monitored for field indications of impacts such as discoloration or the presence of VOCs using a photo-ionization detector (PID) (i.e., OVM Model 580). The PID was calibrated to the manufacturer's specifications using 50 parts per million isobutylene standard on a daily basis. A total of seven soil matrix samples were collected during this task. The soil matrix locations are shown on Figure 2.

4.2 Field Observations

The soils encountered in the soil probes consisted primarily of clays, silts and sandy silt-sized materials. Some interbedded silts and sandy silts were also observed. Field observation and screening of the samples indicated no soil discoloration, odors or detectable VOCs.

4.3 Soil Gas Data – VOCs

Trace concentrations or no VOCs were detected in the soil gas probe locations at the 5-, 10- and 20-foot intervals. Concentrations of VOCs (i.e., Freon-113) were detected at the 5-foot interval varying from non-detect to 0.5 micrograms per Liter in air. Concentrations of VOCs (i.e., Freon-113, tetrachloroethene, trichloroethene, 1,1,1-trichloroethane and 1,1-dichloroethene) were detected at the 10-foot interval varying from non-detect to 4.4 micrograms per Liter in air. Concentrations of VOCs (i.e., tetrachloroethene, trichloroethene, 1,1,1-trichloroethane and 1,1-dichloroethene) were detected at the 20-foot interval varying from non-detect to 24.0 micrograms per Liter in air. Refer to Appendix A for a copy of the laboratory analytical reports and Table 1 for the laboratory analytical results.

4.4 Soil Matrix Data – VOCs

Trace concentrations of tetrachloroethene were detected in the soil matrix probe location SB-2 (i.e., location of SV-2) at the 10- and 25-foot intervals at 26 micrograms per kilogram (µg/kg) and 14 µg/kg, respectively. Concentrations of tetrachloroethene were detected in the soil matrix probe location SB-6 (i.e., location of SV-6) at the 2.5-, 5- and 10-foot intervals at 194 µg/kg, 16 µg/kg and 16 µg/kg, respectively. Concentrations of benzene and toluene were detected at the 10-foot interval at 2.00 µg/kg and 3 µg/kg, respectively. Refer to Appendix A for a copy of the laboratory analytical reports and Table 2 for the laboratory analytical results.

4.5 Soil Matrix Data – Metals

Varying concentrations of CCR Title 22 metals (i.e., arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, silver, vanadium and zinc) were reported in the two soil samples analyzed (i.e., SB-2 @ 10 feet bgs and SB-6 @ 2.5 feet bgs); however, none of the reported concentrations exceeded the Title 22 Total Threshold Limit Concentration (TTLC). Additionally, when the metal concentration data is compared to the Preliminary Remediation Goals (PRG) published by the U.S. EPA, all metals are below the residential and industrial PRGs for the respective metals. Furthermore, the resultant concentrations are typical of metal concentrations found as background in native soils in Southern California.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon the information contained herein, BB&J concludes the following:

- The goals set forth within the RWQCB-approved *Site Investigation Work Plan* (prepared by BB&J and dated March 19, 2004) have meet met;

- The subsurface soils beneath the Waste Storage Area have been fully characterized (i.e., updated data has been collected) as requested by the RWQCB; and,

- The minor (i.e., residual) concentrations of residual VOCs identified to be present beneath the Waste Storage Area, have decreased significantly as compared to historical soil-matrix and soil-vapor results [refer to Appendix B of this document for a copy of Tables 9 and 10 of the *Additional Information Letter* previously submitted to the RWQCB (prepared by BB&J and dated February 3, 2005) showing historical soil-matrix and soil-vapor data, respectively].

Based upon the aforementioned conclusions, BB&J requests that no further action is required to assess soil conditions beneath the Subject Property (i.e., File No. 102.0055).

TABLES

Table 1: Soil-Vapor Analytical Data – Waste Storage Area[1]
(Page 1 of 2)

Analytical Parameter (COCs)	Analytical Results (µg/L)													
	SV1-10 PV186cc	SV1-10 "D" PV236cc	SV1-5 PV171cc	SV1-10 1PV 62cc	SV1-10 3PV 186cc	SV1-10 7PV 434cc	SV1-20 216cc	SV1-5* 171cc	SV2-20 216cc	SV2-10 186cc	SV2-10 "D" 236cc	SV2-5 171cc	SV3-20 216cc	SV3-10 186cc
VOCs														
1,1-Dichloroethene	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	**0.4 J**	<1
1,1,1-Trichloroethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Freon-113	**0.6 J**	**0.7 J**	**0.5 J**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	**4.2**	**4.4**	**7.2**	<1	<1	<1	**0.6 J**	<1	**24**	<1	<1	**0.4 J**	**18**	<1
Trichloroethene	<1	<1	**0.9 J**	<1	<1	<1	<1	<1	**0.7 J**	<1	<1	<1	<1	<1

Analytical Parameter (COCs)	Analytical Results (µg/L)												
	SV3-5 171cc	SV4-20 216cc	SV4-10 186cc	SV4-5 171cc	SV5-20 216cc	SV5-10 186cc	SV5-5 171cc	SV6-20 PV216cc	SV6-10 PV186cc	SV6-5 PV171cc	SV7-20 PV216cc	SV7-10 PV186cc	SV7-5 PV171cc
VOCs													
1,1-Dichloroethene	<1	**0.6 J**	<1	<1	**0.8 J**	<1	<1	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	<1	**0.5 J**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Freon-113	**0.5 J**	<1	**0.4 J**	**0.5 J**	<1	<1	<1	<1	<1	<1	<1	**0.5 J**	**0.4 J**
Tetrachloroethene	**0.6 J**	**22**	<1	<1	**9.1**	**0.5 J**	<1	**28**	**2.4**	**12**	**7.9**	<1	<1
Trichloroethene	<1	**0.5 J**	<1	<1	**0.4 J**	<1	<1	<1	<1	<1	<1	<1	<1

Notes and acronym/symbol definitions are listed on page 2 of 2.

Table 1: Soil-Vapor Analytical Data – Waste Storage Area[1]
(Page 2 of 2)

Notes:

[1]: Soil vapor-probe samples SV1-10 (1PV, 3PV and 7PV), SV1-20, SV1-5, SV2 through SV5 were collected by Mr. Robbie Bray on April 7, 2005 and analyzed for volatile organic compounds (using U.S. EPA Method 8260B) by H&P Mobile Geochemistry using their mobile laboratory. Oversight was provided by a BB&J Representative (i.e., Mr., Daniel T. Elliott, RG).

[2]: Soil vapor-probe samples SV1-5*, SV1-10, SV1-10DUP, SV6, SV7 were collected by Mr. Robbie Bray on April 8, 2005 and analyzed for volatile organic compounds (using U.S. EPA Method 8260B) by H&P Mobile Geochemistry using their mobile laboratory. Oversight was provided by a BB&J Representative (i.e., Mr., Daniel T. Elliott, RG).

[3]: Only those COCs detected at concentrations exceeding the laboratory EQLs and/or RLs are listed in table.

Acronym and Symbol Definitions:

SV:	soil vapor probe
-10:	sampling depth in feet below ground surface
PV:	purge volume
COC:	constituent of concern
VOCs:	volatile organic compounds
µg/L:	micrograms per Liter
18:	COC concentration exceeded applicable laboratory MDL
<:	less than (i.e., not detected)
U.S. EPA:	United States Environmental Protection Agency
cc:	cubic centimeters
RLs:	reporting limits (laboratory)
EQLs:	estimated quantity limits (laboratory)
J:	detected at a concentration exceeding the EQL, but is below the RL

Prepared By/Date: JHM / 7-28-05
Checked By/Date: PCO / 7-28-05

Table 2: Soil-Matrix Analytical Data – Waste Storage Area[1]

Analytical Parameter (COCs)	Analytical Results					
	SB-2 (10')	SB-2 (25')	SB-6 (2.5')	SB-6 (5')	SB-6 (10')	SB-6 (25')
VOCs (µg/kg)						
Benzene	<2.00	<2.00	<2.00	<2.00	2.00	<2.00
Tetrachloroethene	**26**	**14**	**194**	**16**	**16**	<10.00
Toluene	<2.00	<2.00	<2.00	<2.00	**3**	<2.00
Metals (mg/kg)						
Arsenic	**0.91**	NA	**2.73**	NA	NA	NA
Barium	**92.7**	NA	**111**	NA	NA	NA
Cadmium	**0.55**	NA	**0.58**	NA	NA	NA
Chromium	**17.5**	NA	**15.7**	NA	NA	NA
Cobalt	**9.90**	NA	**7.59**	NA	NA	NA
Copper	**18.1**	NA	**17.6**	NA	NA	NA
Lead	**3.46**	NA	**14.8**	NA	NA	NA
Nickel	**19.9**	NA	**19.8**	NA	NA	NA
Silver	**1.66**	NA	**1.83**	NA	NA	NA
Vanadium	**24.0**	NA	**29.3**	NA	NA	NA
Zinc	**44.7**	NA	**48.9**	NA	NA	NA

Notes:

[1]: Soil matrix samples SB-2 (10'), SB-2 (25'), SB-6 (2.5'), SB-6 (5'), SB-6 (10") and SB-6 (25') were collected by Mr. Robbie Bray on April 8, 2005 and analyzed for volatile organic compounds (using U.S. EPA Method 8260B), and CCR Title 22 Metals (using U.S. EPA Method 6010B and 7471A) by American Scientific Laboratories, LLC of Los Angeles, California. Oversight was provided by a BB&J Representative (i.e., Mr., Daniel T. Elliott, R.G.).

[2]: Only those COCs detected at concentrations exceeding the laboratory and PQLs are listed in table.

Acronym and Symbol Definitions:

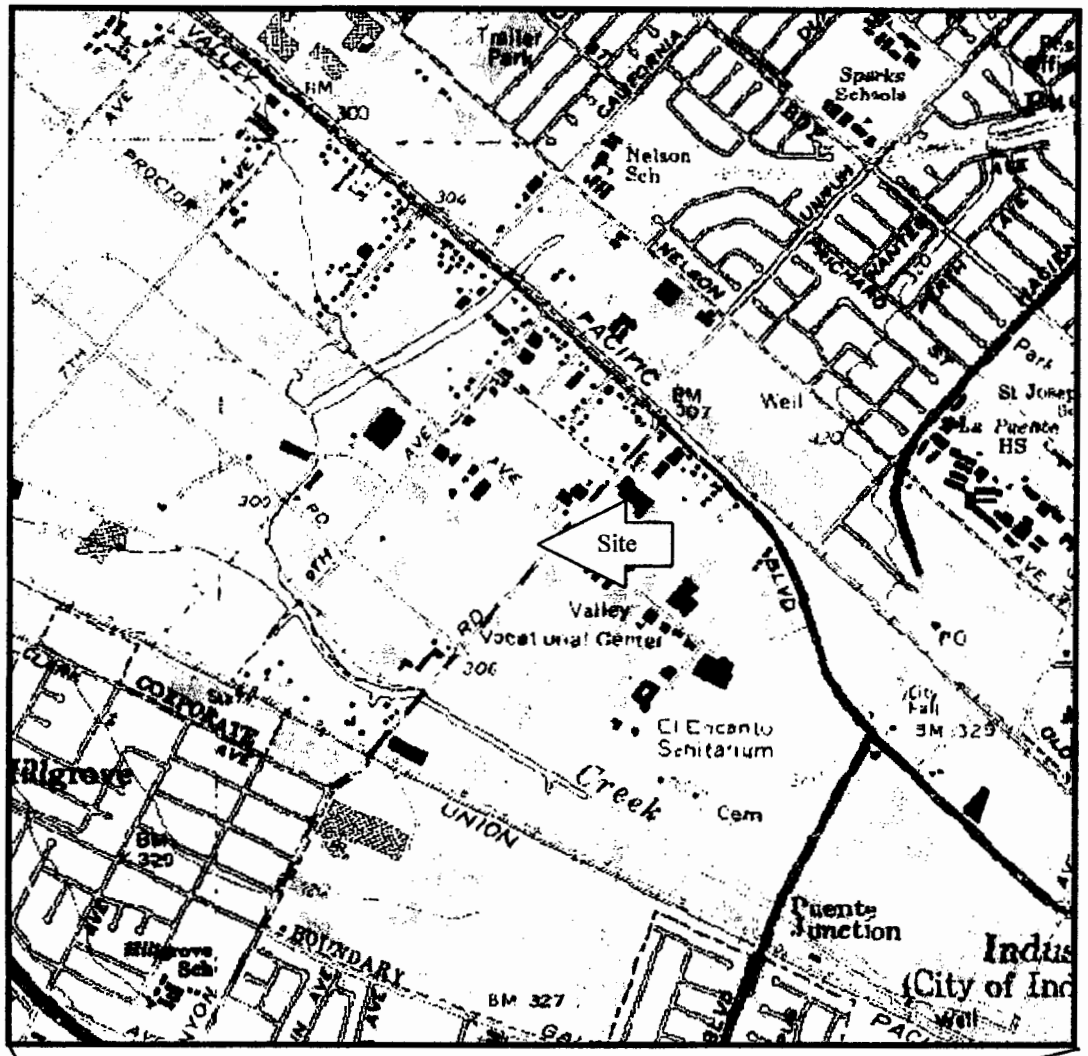
SB:	soil boring
(10'):	sampling depth in feet below ground surface
COC:	constituent of concern
VOCs:	volatile organic compounds
µg/kg:	micrograms per Kilogram
mg/kg:	milligrams per Kilogram
18:	COC concentration exceeded applicable laboratory MDL
<:	less than (i.e., not detected)
U.S. EPA:	United States Environmental Protection Agency
PQLs:	practical quantitative limits (laboratory)
CCR:	Code of California Regulations
BB&J:	Bradburne Briller & Johnson, LLC
NA:	not analyzed

Prepared By/Date: SHM / 7.28.05
Checked By/Date: PCD / 7.28.05

FIGURES

Source: U.S. Geological Survey Baldwin Park, California Quadrangle, 7.5 Minute Series (Topographic), Dated 1978.

N



0 1/4 1/2 1 MILE

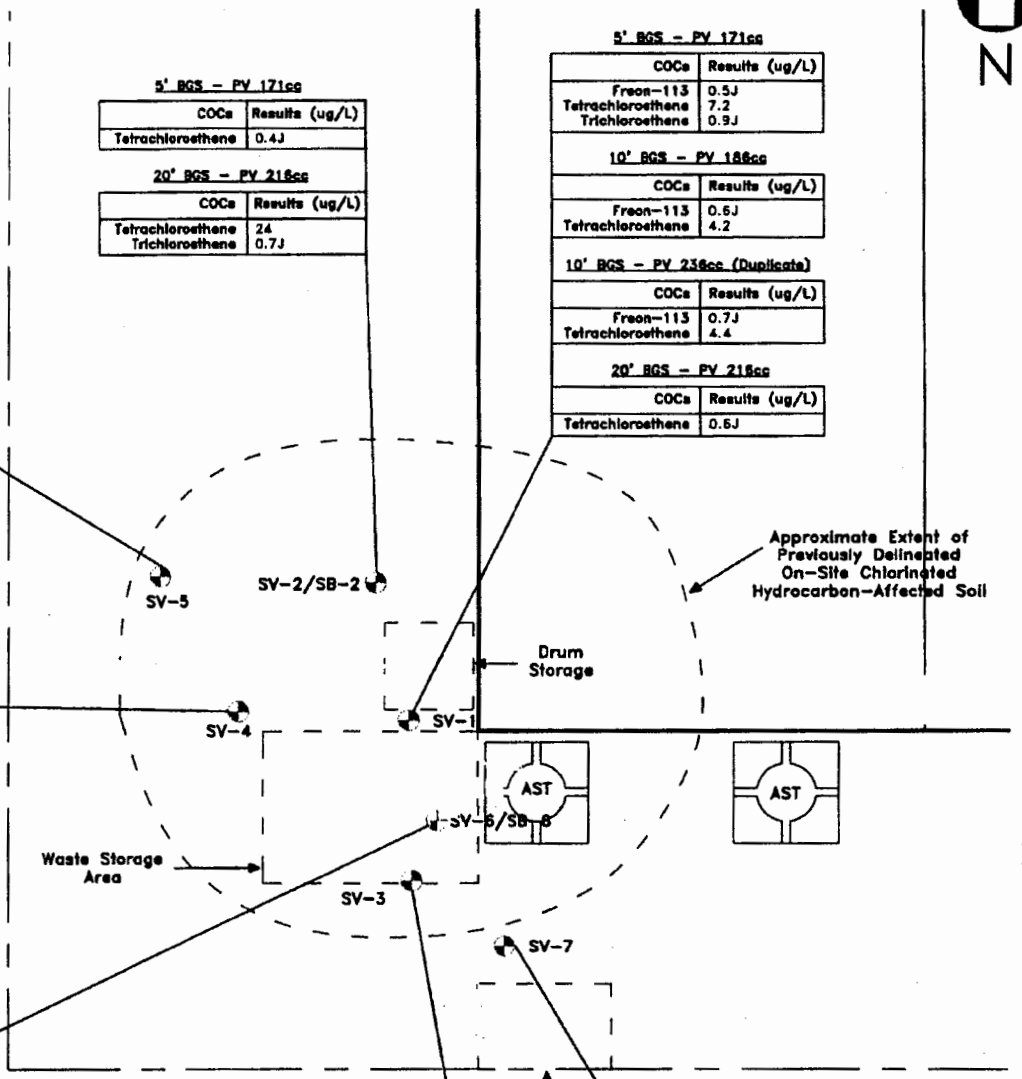
0 1000 3000 5000 FT

Quadrangle Location

Prepared by/Date: JHM / 7.28.05
Checked by/Date: PCO / 7.28.05

Calmar, Inc. 333 Turnbull Canyon Road City of Industry, California	Bradburne, Briller & Johnson, LLC Chicago Atlanta Boston Pittsburgh www.bbjgroup.com	Site Location Map Project 0098704 Figure 1

Source: Site reconnaissance performed by Bradburne, Briller & Johnson, LLC on April 7 and 8, 2005.



5' BGS – PV 171cc

COCs	Results (ug/L)
Tetrachloroethene	0.4J

20' BGS – PV 218cc

COCs	Results (ug/L)
Tetrachloroethene	24
Trichloroethene	0.7J

5' BGS – PV 171cc

COCs	Results (ug/L)
Freon-113	0.5J
Tetrachloroethene	7.2
Trichloroethene	0.9J

10' BGS – PV 186cc

COCs	Results (ug/L)
Freon-113	0.6J
Tetrachloroethene	4.2

10' BGS – PV 236cc (Duplicate)

COCs	Results (ug/L)
Freon-113	0.7J
Tetrachloroethene	4.4

20' BGS – PV 218cc

COCs	Results (ug/L)
Tetrachloroethene	0.6J

10' BGS – PV 186cc

COCs	Results (ug/L)
Tetrachloroethene	0.5J

20' BGS – PV 218cc

COCs	Results (ug/L)
1,1-Dichloroethene	0.8J
Tetrachloroethene	9.1
Trichloroethene	0.4J

10' BGS – PV 186cc

COCs	Results (ug/L)
Freon-113	0.5J

10' BGS – PV 186cc

COCs	Results (ug/L)
Freon-113	0.4J

20' BGS – PV 218cc

COCs	Results (ug/L)
1,1-Dichloroethene	0.6J
1,1,1-Trichloroethane	0.5J
Tetrachloroethene	22
Trichloroethene	0.5J

5' BGS – PV 171cc

COCs	Results (ug/L)
Tetrachloroethene	12

10' BGS – PV 186cc

COCs	Results (ug/L)
Tetrachloroethene	2.4

20' BGS – PV 218cc

COCs	Results (ug/L)
Tetrachloroethene	28

5' BGS – PV 171cc

COCs	Results (ug/L)
Freon-113	0.5J
Tetrachloroethene	0.6J

20' BGS – PV 218cc

COCs	Results (ug/L)
1,1-Dichloroethene	0.4J
Tetrachloroethene	18

5' BGS – PV 171cc

COCs	Results (ug/L)
Freon-113	0.4J

10' BGS – PV 186cc

COCs	Results (ug/L)
Freon-113	0.5J

20' BGS – PV 218cc

COCs	Results (ug/L)
Tetrachloroethene	7.9

LEGEND

SV-1 – Soil vapor probe location (April 2005)
SB-1 – Soil boring location (April 2005)
10' BGS – Feet below ground surface
COC – Constituent of concern
ug/L – Micrograms per liter
cc – Cubic centimeters
28 – COC concentration exceeded applicable laboratory reporting limit
J – Detected at a concentration exceeding the estimated quanity limit, but is below the reporting limit

NOTE: Historical soil borings and/or soil vapor probes are colored in gray.

25 0 50
All locations are approxiamate.

Prepared by/Date: JHM / 7.28.05
Checked by/Date: PCO / 7.29.05

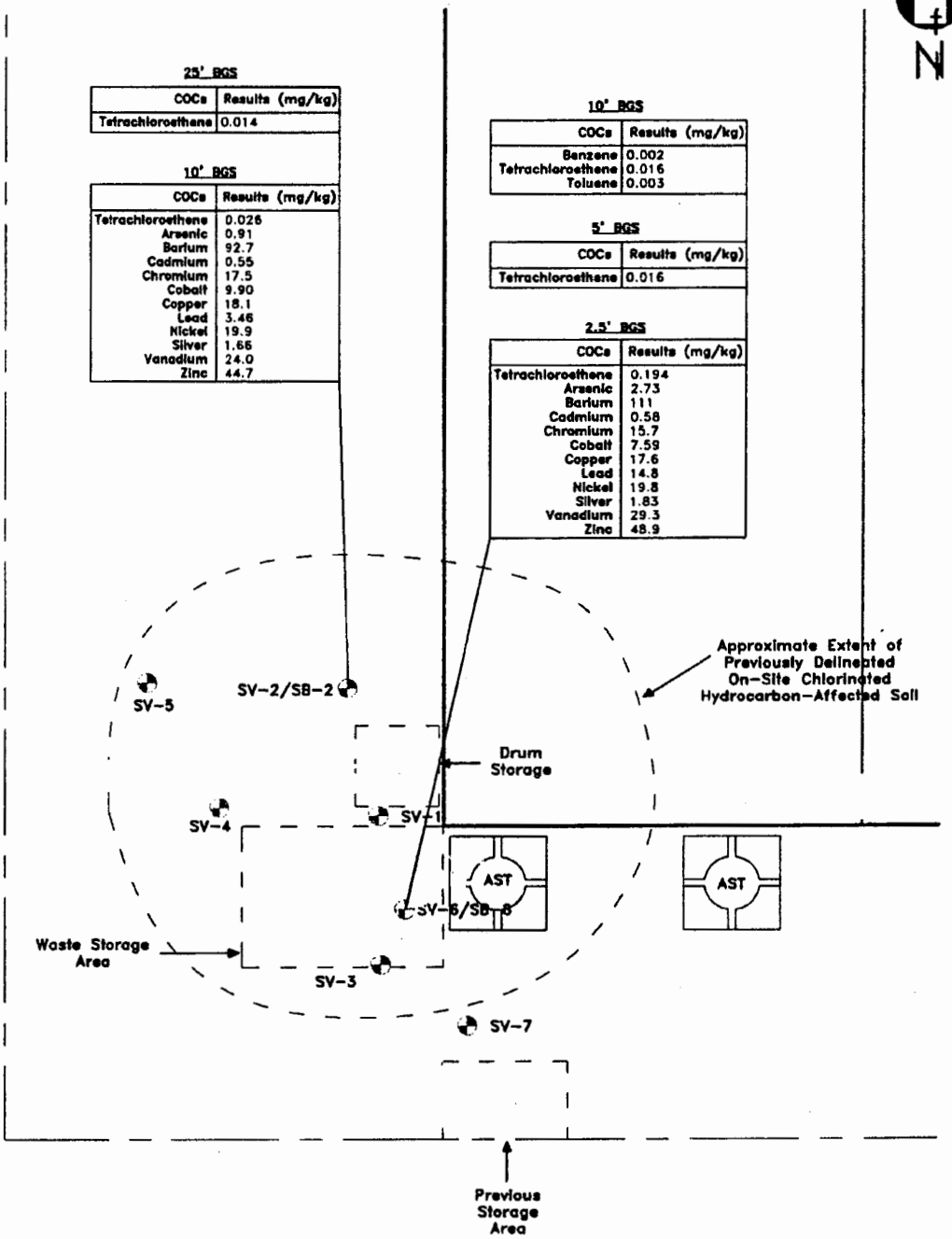
Calmar, Inc.
333 South Turnbull Road
City of Industry, California

Bradburne, Briller & Johnson, LLC
Chicago Atlanta
Boston Pittsburgh
www.bbjgroup.com

Site Plan Showing Soil Vapor Sampling Locations and Results

Project No. 0098704 Figure 2

Source: Site reconnaissance performed by Bradburne, Briller & Johnson, LLC on April 7 and 8, 2005.



25' BGS

COCs	Results (mg/kg)
Tetrachloroethene	0.014

10' BGS

COCs	Results (mg/kg)
Tetrachloroethene	0.026
Arsenic	0.91
Barium	92.7
Cadmium	0.55
Chromium	17.5
Cobalt	9.90
Copper	18.1
Lead	3.46
Nickel	19.9
Silver	1.66
Vanadium	24.0
Zinc	44.7

10' BGS

COCs	Results (mg/kg)
Benzene	0.002
Tetrachloroethene	0.016
Toluene	0.003

5' BGS

COCs	Results (mg/kg)
Tetrachloroethene	0.016

2.5' BGS

COCs	Results (mg/kg)
Tetrachloroethene	0.194
Arsenic	2.73
Barium	111
Cadmium	0.58
Chromium	15.7
Cobalt	7.59
Copper	17.6
Lead	14.8
Nickel	19.8
Silver	1.83
Vanadium	29.3
Zinc	48.9

25 0 50

All locations are approximate.

LEGEND

SV-1 – Soil vapor probe location (April 2005)
SB-1 – Soil boring location (April 2005)
10' BGS – Feet below ground surface
COC – Constituent of concern
mg/kg – Milligrams per kilogram
0.91 – COC concentration exceeded applicable laboratory reporting limit

NOTE: Historical soil borings and/or soil vapor probes are colored in gray.

Prepared by/Date: JHM / 7.26.05
Checked by/Date: SCC / 7.26.05

Calmar, Inc.
333 Turnbull Canyon Road
City of Industry, California

Bradburne, Briller & Johnson, LLC
Chicago Atlanta
Boston Pittsburgh
www.bbjgroup.com

Site Plan Showing Soil Matrix Sampling Locations and Results

Project No. 0098704 Figure 3

APPENDIX A

COPY OF LABORATORY ANALYTICAL REPORTS

MOBILE GEOCHEMISTRY

H&P

14 April 2005

Mr. Paul Owens
BB&J
5 Market Square, Suite 202
Amesbury, MA 01913
RE: MC040705-L6

Enclosed are the results of analyses for samples received by the laboratory on 07-Apr-05 . If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tamara Davis

Tamara Davis
Laboratory Director

H&P Mobile Geochemistry operates under CA Environmental Lab Accreditation Program Numbers 1317, 1561, 1667, 1745, 1746, 1839, 2088, 2278, 2530, 2543, 2579 and 2595.

432 North Cedros Avenue, Solana Beach, California 92075 | 858 793.0401 — Fax 858 793.0404
148 South Vinewood Street, Escondido, California 92029 | 760 735.3208 — Fax 760.735.2469
3825 Industry Avenue, Lakewood, California 90712 | 562 426.6991 — Fax 562 426.6995
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MOBILE GEOCHEMISTRY

H&P

BB&J 5 Market Square, Suite 202 Amesbury MA, 01913	Project: MC040705-L6 Project Number: 01-04; CALMAR Project Manager: Mr. Paul Owens	Reported: 14-Apr-05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV1-10 1PV, 62cc Purge Volume	6504005-01	Vapor	07-Apr-05	07-Apr-05
SV1-10 3PV, 186cc Purge Volume	6504005-02	Vapor	07-Apr-05	07-Apr-05
SV1-10 7PV, 434cc Purge Volume	6504005-03	Vapor	07-Apr-05	07-Apr-05
SV1-20, 216cc Purge Volume	6504005-04	Vapor	07-Apr-05	07-Apr-05
SV1-5, 171cc Purge Volume	6504005-05	Vapor	07-Apr-05	07-Apr-05
SV2-20, 216cc Purge Volume	6504005-06	Vapor	07-Apr-05	07-Apr-05
SV2-10, 186cc Purge Volume	6504005-07	Vapor	07-Apr-05	07-Apr-05
SV2-10 Dup, 236cc Purge Volume	6504005-08	Vapor	07-Apr-05	07-Apr-05
SV2-5, 171cc Purge Volume	6504005-09	Vapor	07-Apr-05	07-Apr-05
SV3-20, 216cc Purge Volume	6504005-10	Vapor	07-Apr-05	07-Apr-05
SV3-10, 186cc Purge Volume	6504005-11	Vapor	07-Apr-05	07-Apr-05
SV3-5, 171cc Purge Volume	6504005-12	Vapor	07-Apr-05	07-Apr-05
SV4-20, 216cc Purge Volume	6504005-13	Vapor	07-Apr-05	07-Apr-05
SV4-10, 186cc Purge Volume	6504005-14	Vapor	07-Apr-05	07-Apr-05
SV4-5, 171cc Purge Volume	6504005-15	Vapor	07-Apr-05	07-Apr-05
SV5-20, 216cc Purge Volume	6504005-16	Vapor	07-Apr-05	07-Apr-05
SV5-10, 186cc Purge Volume	6504005-17	Vapor	07-Apr-05	07-Apr-05
SV5-5, 171cc Purge Volume	6504005-18	Vapor	07-Apr-05	07-Apr-05

MOBILE GEOCHEMISTRY

H&P

BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04: CALMAR	Reported:
Amesbury MA, 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Leak Test Compound by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-10 1PV, 62cc Purge Volume (6504005-01) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
SV1-10 3PV, 186cc Purge Volume (6504005-02) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
SV1-10 7PV, 434cc Purge Volume (6504005-03) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
SV1-20, 216cc Purge Volume (6504005-04) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
SV1-5, 171cc Purge Volume (6504005-05) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
SV2-20, 216cc Purge Volume (6504005-06) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
SV2-10, 186cc Purge Volume (6504005-07) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
SV2-10 Dup, 236cc Purge Volume (6504005-08) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
SV2-5, 171cc Purge Volume (6504005-09) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	

MOBILE GEOCHEMISTRY
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BB&J 5 Market Square, Suite 202 Amesbury MA. 01913	Project: MC040705-L6 Project Number: 01-04; CALMAR Project Manager: Mr. Paul Owens	Reported: 14-Apr-05

Volatile Organic Leak Test Compound by EPA Method 8260B

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-20, 216cc Purge Volume (6504005-10) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
SV3-10, 186cc Purge Volume (6504005-11) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
SV3-5, 171cc Purge Volume (6504005-12) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
SV4-20, 216cc Purge Volume (6504005-13) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
SV4-10, 186cc Purge Volume (6504005-14) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
SV4-5, 171cc Purge Volume (6504005-15) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
SV5-20, 216cc Purge Volume (6504005-16) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
SV5-10, 186cc Purge Volume (6504005-17) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
SV5-5, 171cc Purge Volume (6504005-18) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
1,1-Difluoroethane	ND	10	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	

MOBILE GEOCHEMISTRY
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BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04; CALMAR	Reported:
Amesbury MA, 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-10 1PV, 62cc Purge Volume (6504005-01) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94.0 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*87.2 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*94.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.6 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY

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BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04; CALMAR	Reported:
Amesbury MA. 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-10 3PV, 186cc Purge Volume (6504005-02) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93.2 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.4 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*94.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.4 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY
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BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04; CALMAR	Reported:
Amesbury MA, 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-10 7PV, 434cc Purge Volume (6504005-03) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.0 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.0 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*93.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.2 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY

H&P

BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04; CALMAR	Reported:
Amesbury MA, 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-20, 216cc Purge Volume (6504005-04) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	0.6	1	"	"	"	"	"	"	J
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.2 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*88.4 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*92.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY

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BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04: CALMAR	Reported:
Amesbury MA, 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-5, 171cc Purge Volume (6504005-05) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.0 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.8 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*94.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.6 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

BB&J	Project:	MC040705-L6	
5 Market Square, Suite 202	Project Number:	01-04; CALMAR	Reported:
Amesbury MA, 01913	Project Manager:	Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-20, 216cc Purge Volume (6504005-06) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	0.7	1	"	"	"	"	"	"	J
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	24	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.4 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.4 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*93.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY

H&P

BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04; CALMAR	Reported:
Amesbury MA, 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-10, 186cc Purge Volume (6504005-07) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.8 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.6 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*93.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.8 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY

H&P

BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04: CALMAR	Reported:
Amesbury MA. 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-10 Dup, 236cc Purge Volume (6504005-08) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.8 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.8 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*94.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.2 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY

H&P

BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04; CALMAR	Reported:
Amesbury MA. 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5, 171cc Purge Volume (6504005-09) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	0.4	1	"	"	"	"	"	"	J
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.8 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*94.0 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.4 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04; CALMAR	Reported:
Amesbury MA, 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-20, 216cc Purge Volume (6504005-10) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	0.4	1	"	"	"	"	"	"	J
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	18	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*90.8 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*93.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.2 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY

H&P

BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04; CALMAR	Reported:
Amesbury MA, 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-10, 186cc Purge Volume (6504005-11) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*90.0 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.4 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*91.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.8 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04; CALMAR	Reported:
Amesbury MA, 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-5, 171cc Purge Volume (6504005-12) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	0.5	1	"	"	"	"	"	"	J
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	0.6	1	"	"	"	"	"	"	J
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.0 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.0 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*92.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.8 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY

H&P

BB&J	Project:	MC040705-L6	
5 Market Square, Suite 202	Project Number:	01-04; CALMAR	Reported:
Amesbury MA, 01913	Project Manager:	Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV4-20, 216cc Purge Volume (6504005-13) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	0.6	1	"	"	"	"	"	"	J
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	0.5	1	"	"	"	"	"	"	J
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	22	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94.4 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*94.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.4 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04; CALMAR	Reported:
Amesbury MA, 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV4-10, 186cc Purge Volume (6504005-14) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	0.4	1	"	"	"	"	"	"	J
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*92.8 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*94.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.6 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY

H&P

BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04; CALMAR	Reported:
Amesbury MA, 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV4-5, 171cc Purge Volume (6504005-15) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	0.5	1	"	"	"	"	"	"	J
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*90.0 %*	*75-125*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*92.0 %*	*75-125*		"	"	"	"	
Surrogate: Toluene-d8		*93.6 %*	*75-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.8 %*	*75-125*		"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04; CALMAR	Reported:
Amesbury MA, 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV5-20, 216cc Purge Volume (6504005-16) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	0.8	1	"	"	"	"	"	"	J
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	0.4	1	"	"	"	"	"	"	J
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	9.1	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*90.4 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*91.6 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*92.8 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.0 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY

H&P

BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04; CALMAR	Reported:
Amesbury MA, 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV5-10, 186cc Purge Volume (6504005-17) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	0.5	1	"	"	"	"	"	"	J
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*89.6 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.8 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*92.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.2 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY

H&P

BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04; CALMAR	Reported:
Amesbury MA. 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor

H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV5-5, 171cc Purge Volume (6504005-18) Vapor Sampled: 07-Apr-05 Received: 07-Apr-05									
Dichlorodifluoromethane	ND	1	ug/l	0.05	6D50701	07-Apr-05	07-Apr-05	EPA 8260B	
Vinyl chloride	ND	1	"	"	"	"	"	"	
Chloroethane	ND	1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1	"	"	"	"	"	"	
Methylene chloride	ND	1	"	"	"	"	"	"	
Freon 113	ND	1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1	"	"	"	"	"	"	
Chloroform	ND	1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1	"	"	"	"	"	"	
Carbon tetrachloride	ND	1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1	"	"	"	"	"	"	
Benzene	ND	1	"	"	"	"	"	"	
Trichloroethene	ND	1	"	"	"	"	"	"	
Toluene	ND	1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1	"	"	"	"	"	"	
Tetrachloroethene	ND	1	"	"	"	"	"	"	
Ethylbenzene	ND	1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
m,p-Xylene	ND	2	"	"	"	"	"	"	
o-Xylene	ND	1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*88.4 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*90.8 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*93.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*		*75-125*	"	"	"	"	

MOBILE GEOCHEMISTRY
H&P

BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04; CALMAR	Reported:
Amesbury MA, 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Leak Test Compound by EPA Method 8260B - Quality Control
H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6D50701 - EPA 5030										
Blank (6D50701-BLK1)				Prepared & Analyzed: 07-Apr-05						
1,1-Difluoroethane	ND	10	ug/l							

MOBILE GEOCHEMISTRY
H&P

BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04: CALMAR	Reported:
Amesbury MA, 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Volatile Organic Compounds by EPA Method 8260B in Soil Vapor - Quality Control
H & P Mobile Geochemistry Lab 6

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6D50701 - EPA 5030										
Blank (6D50701-BLK1)				Prepared & Analyzed: 07-Apr-05						
Dichlorodifluoromethane	ND	1.0	ug/l							
Vinyl chloride	ND	1.0	"							
Chloroethane	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
Methylene chloride	ND	1.0	"							
Freon 113	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,1-Dichloroethane	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
Chloroform	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Carbon tetrachloride	ND	1.0	"							
1,2-Dichloroethane	ND	1.0	"							
Benzene	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Toluene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
m,p-Xylene	ND	2.0	"							
o-Xylene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
Surrogate: Dibromofluoromethane	*2.39*		"	*2.50*		*95.6*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.31*		"	*2.50*		*92.4*	*75-125*			
Surrogate: Toluene-d8	*2.37*		"	*2.50*		*94.8*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.30*		"	*2.50*		*92.0*	*75-125*			

MOBILE GEOCHEMISTRY

H&P

BB&J	Project: MC040705-L6	
5 Market Square, Suite 202	Project Number: 01-04; CALMAR	Reported:
Ameshury MA, 01913	Project Manager: Mr. Paul Owens	14-Apr-05

Notes and Definitions

J	Detected but below the E.Q.L.; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 2373 208th Street Unit F-1, Torrance, CA 90501 • ph 310.782.2929 • fax 310.782.2798 6504005

Date: 4-7-05

H&P Project # MC040705-L6

Outside Lab:

Client: BB+J

Address: 5 Market Square, Suite 202
Amesbury, MA. 01913

Phone: 978 834-0798 Fax: 978 834-0378

Collector: Robbie Bray

Client Project # CALMAR

Location: 333 S. Turnbull Cyn rd, City of Industry

Turn around time: on-site

Page: 1 Of 2

Project Manager Paul Arens / Dan Elliott

Global ID:

EDF: Yes / No

SV 8260 DTSC std vapor list / std RL's.
+ LCC
Report J flags

Sample Receipt
Intact: ☑ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☑ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B BTEX / Oxygenates	8260B Oxygenates	8260B VOC's DTSC	8260B VOC's and Oxygenates	Methane	Fixed Gases					cc purge Volume	Total # of containers
01	SV1-10 1PV		10	0930	4/7	SV	Syringe								X								62	1
02	3PV		10	0931											X								186	1
03	7PV		10	0932											X								434	1
04	SV1-20		20	1051											X								216	1
05	SV1-5		5	1125											X								171	1
06	SV2-20		20	1145											X								216	1
07	SV2-10		10	1205											X								186	1
08	SV2-10 Dup		10	1206											X								236	1
09	SV2-5		5	1250											X								171	1
10	SV3-20		20	1320											X								216	1
11	SV3-10		10	1340											X								186	1
12	SV3-5		5	1400											X								171	1
13	SV4-20		20	1425											X								216	1
14	SV4-10		10	1445											X								186	1

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
		[signature]	H&P	4-7-05	1610
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date:	Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

MOBILE GEOCHEMISTRY

H&P

Chain of Custody Record

☐ 148 S. Vinewood St., Escondido, CA 92029 • ph 760.735.3208 • fax 760.735.2469
☐ 432 N. Cedros Ave., Solana Beach, CA 92075 • ph 858.793.0401 • fax 858.793.0404
☐ 3825 Industry Avenue, Lakewood, CA 90712 • ph 562.426.6991 • fax 562.426.6995

Date: 4-7-05
H&P Project #: MC040705-LL
Outside Lab: 6504005

Client: BB+J
Address: 5 Market Square, Suite 202
Amesbury, MA 01913
Phone: 978-834-0798 Fax: 978 834-0378

Collector: Robbie Bray
Client Project #: CALMAR
Location: 333 S. Turnbull Cyn rd, Industry
Turn around time: on site

Page: 2 Of 2
Project Manager: Paul Owens / Dan Elliott

Global ID: EDF: Yes / No

Sample Receipt
Intact: ☒ Yes ☐ No
Seal Intact: ☐ Yes ☐ No ☒ N/A
Cold: ☐ Yes ☐ No
N/A (Received on Site)

	Sample Name	Field Point Name	Depth	Time	Date	Sample Type	Container Type	TPH gasoline / diesel	TPH extended	8021 for BTEX/MTBE	8021 for Halogenated compounds	418.1 TRPH	8260B: BTEX / Oxygenates	8260B: Oxygenates	8260B: VOC's DTSC	8260B: VOC's and Oxygenates	Methane	Fixed Gases					12 cc purge Volume	Total # of containers
15	SV4-5		5	1505	4/7	SV	Syringe								X								172	1
16	SV 5-20		20	1525											X								216	1
17	SV5-10		10	1545											X								186	1
18	SV5-5		5	1605											X								171	1

Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: 4-7-05 Time: 1610
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:
Relinquished by: (Signature)	(company)	Received by: (Signature)	(company)	Date: Time:

*Signature constitutes authorization to proceed with analysis and acceptance of condition on back.

Sample disposal instruction: ☐ Disposal @ $2.00 each ☐ Return to client ☐ Pickup

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

BB&J
5 Market Square Suite 206
Amesbury, MA 01913

Number of Pages 9
Date Received 04/08/2005
Date Reported 04/15/2005

Telephone (978)834-0798
Attn Daniel T. Elliott

Job Number	Ordered	Client
25295	04/08/2005	BB&J

Project ID: 0401
Project Name: Calmar
Site: City of Industry

Enclosed are the results of analyses on 6 samples analyzed as specified on attached chain of custody.

Wendy Lu
Organics Supervisor

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:
1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

BB&J
5 Market Square Suite 206
Amesbury, MA 01913-

Site

City of Industry

Telephone: (978)834-0798
Attn: Daniel T. Elliott

Page: 2
Project ID: 0401
Project Name: Calmar

Job Number	Order Date	Client
25295	04/08/2005	BB&J

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

Batch No:

Our Lab I.D.		147243	147245			
Sample ID		SB-2@10'	SB-6@2.5'			
Date Sampled		04/08/2005	04/08/2005			
Date Extracted		04/12/2005	04/12/2005			
Preparation Method						
Date Analyzed		04/12/2005	04/12/2005			
Matrix		Soil	Soil			
Units		mg/Kg	mg/Kg			
Detection Limit Multiplier		1	1			
Analytes	**PQL**	**Results**	**Results**			
AA Metals						
Mercury	0.20	ND	ND			
ICP Metals						
Antimony	0.50	ND	ND			
Arsenic	0.25	0.91	2.73			
Barium	0.50	92.7	111			
Beryllium	0.50	ND	ND			
Cadmium	0.50	0.55	0.58			
Chromium	0.50	17.5	15.7			
Cobalt	0.50	9.90	7.59			
Copper	0.50	18.1	17.6			
Lead	0.25	3.46	14.8			
Molybdenum	0.50	ND	ND			
Nickel	0.50	19.9	19.8			
Selenium	0.50	ND	ND			
Silver	0.50	1.66	1.83			
Thallium	0.50	ND	ND			
Vanadium	0.50	24.0	29.3			
Zinc	0.50	44.7	48.9			

QUALITY CONTROL REPORT

Batch No:

Analyte	LCS % REC	LCS/LCSD % LIM								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Page: 3
Project ID: 0401
Project Name: Calmar

Job Number	Order Date	Client
25295	04/08/2005	BB&J

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QUALITY CONTROL REPORT

Batch No:

Analytes	LCS % REC	LCS/LCSD % Limit								
AA Metals										
Mercury	99	80-120								
ICP Metals										
Antimony	94	80-120								
Arsenic	92	80-120								
Barium	94	80-120								
Beryllium	95	80-120								
Cadmium	95	80-120								
Chromium	89	80-120								
Cobalt	97	80-120								
Copper	93	80-120								
Lead	94	80-120								
Molybdenum	95	80-120								
Nickel	97	80-120								
Selenium	91	80-120								
Silver	87	80-120								
Thallium	92	80-120								
Vanadium	82	80-120								
Zinc	91	80-120								

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

BB&J
5 Market Square Suite 206
Amesbury, MA 01913-

Site

City of Industry

Telephone: (978)834-0798
Attn: Daniel T. Elliott

Page: 4
Project ID: 0401
Project Name: Calmar

Job Number	Order Date	Client
25295	04/08/2005	BB&J

Method: 8260B, Volatile Organic Compounds

Batch No: 041005-1B

Our Lab I.D.		147243	147244	147245	147246	147247
Sample ID		SB-2@10'	SB-2@25'	SB-6@2.5'	SB-6@5'	SB-6@10'
Date Sampled		04/08/2005	04/08/2005	04/08/2005	04/08/2005	04/08/2005
Date Extracted		04/10/2005	04/10/2005	04/10/2005	04/10/2005	04/10/2005
Preparation Method						
Date Analyzed		04/10/2005	04/10/2005	04/10/2005	04/10/2005	04/10/2005
Matrix		Soil	Soil	Soil	Soil	Soil
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Detection Limit Multiplier		1	1	1	1	1
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
Acetone	50.0	ND	ND	ND	ND	ND
Benzene	2.00	ND	ND	ND	ND	2
Bromobenzene (Phenyl bromide)	10.00	ND	ND	ND	ND	ND
Bromochloromethane (Chlorobromomethane)	10.00	ND	ND	ND	ND	ND
Bromodichloromethane (Dichlorobromomethane)	10.00	ND	ND	ND	ND	ND
Bromoform (Tribromomethane)	50.00	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	30.00	ND	ND	ND	ND	ND
2-Butanone (MEK, Methyl ethyl ketone)	50.00	ND	ND	ND	ND	ND
n-Butylbenzene	10.00	ND	ND	ND	ND	ND
sec-Butylbenzene	10.00	ND	ND	ND	ND	ND
tert-Butylbenzene	10.00	ND	ND	ND	ND	ND
Carbon disulfide	10.00	ND	ND	ND	ND	ND
Carbon tetrachloride (Tetrachloromethane)	10.00	ND	ND	ND	ND	ND
Chlorobenzene	10.00	ND	ND	ND	ND	ND
Chloroethane	30.00	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	50.00	ND	ND	ND	ND	ND
Chloroform (Trichloromethane)	10.00	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	30.00	ND	ND	ND	ND	ND
4-Chlorotoluene (p-Chlorotoluene)	10.00	ND	ND	ND	ND	ND
2-Chlorotoluene (o-Chlorotoluene)	10.00	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane (DBCP)	50.00	ND	ND	ND	ND	ND
Dibromochloromethane	10.00	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.00	ND	ND	ND	ND	ND
Dibromomethane	10.00	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.00	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.00	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

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Project ID: 0401
Project Name: Calmar

Job Number	Order Date	Client
25295	04/08/2005	BB&J

Method: 8260B, Volatile Organic Compounds

Batch No: 041005-1B

Our Lab I.D.		147243	147244	147245	147246	147247
Sample ID		SB-2@10'	SB-2@25'	SB-6@2.5'	SB-6@5'	SB-6@10'
Date Sampled		04/08/2005	04/08/2005	04/08/2005	04/08/2005	04/08/2005
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	**Results**
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.00	ND	ND	ND	ND	ND
Dichlorodifluoromethane	30.00	ND	ND	ND	ND	ND
1,1-Dichloroethane	10.00	ND	ND	ND	ND	ND
1,2-Dichloroethane	10.00	ND	ND	ND	ND	ND
1,1-Dichloroethene (1,1-Dichloroethylene)	10.00	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	10.00	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10.00	ND	ND	ND	ND	ND
1,2-Dichloropropane	10.00	ND	ND	ND	ND	ND
1,3-Dichloropropane	10.00	ND	ND	ND	ND	ND
2,2-Dichloropropane	10.00	ND	ND	ND	ND	ND
1,1-Dichloropropene	10.00	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	10.00	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	10.00	ND	ND	ND	ND	ND
Ethylbenzene	2.00	ND	ND	ND	ND	ND
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.00	ND	ND	ND	ND	ND
2-Hexanone	50.00	ND	ND	ND	ND	ND
Isopropylbenzene	10.00	ND	ND	ND	ND	ND
p-Isopropyltoluene (4-Isopropyltoluene)	10.00	ND	ND	ND	ND	ND
MTBE	5.00	ND	ND	ND	ND	ND
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.00	ND	ND	ND	ND	ND
Methylene chloride (Dichloromethane, DCM)	50.00	ND	ND	ND	ND	ND
Naphthalene	10.00	ND	ND	ND	ND	ND
n-Propylbenzene	10.00	ND	ND	ND	ND	ND
Styrene	10.00	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	10.00	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	10.00	ND	ND	ND	ND	ND
Tetrachloroethene (Tetrachloroethylene)	10.00	26	14	194	16	16
Toluene (Methyl benzene)	2.00	ND	ND	ND	ND	3
1,2,3-Trichlorobenzene	10.00	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10.00	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	10.00	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	10.00	ND	ND	ND	ND	ND
Trichloroethene (TCE)	10.00	ND	ND	ND	ND	ND
Trichlorofluoromethane	10.00	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	10.00	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	10.00	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	10.00	ND	ND	ND	ND	ND
Vinyl acetate	50.0	ND	ND	ND	ND	ND
Vinyl chloride (Chloroethene)	30.00	ND	ND	ND	ND	ND
o-Xylene	2.00	ND	ND	ND	ND	ND
m- & p-Xylenes	4.00	ND	ND	ND	ND	ND

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ANALYTICAL RESULTS

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Project ID: 0401
Project Name: Calmar

Job Number	Order Date	Client
25295	04/08/2005	BB&J

Method: 8260B, Volatile Organic Compounds

Our Lab I.D.		147243	147244	147245	147246	147247
Surrogates	Con.Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	116	110	118	101	120
Dibromofluoromethane	70-120	100	110	100	99	107
Toluene-d8	70-120	100	100	97	100	99

QUALITY CONTROL REPORT

Batch No: 041005-1B

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	92	92	<1	75-120	15					
Chlorobenzene	92	90	2.2	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	95	94	1.1	75-120	15					
MTBE	96	96	<1	75-120	15					
Toluene (Methyl benzene)	94	95	1.1	75-120	15					
Trichloroethene (TCE)	97	96	1.0	75-120	15					

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ANALYTICAL RESULTS

Ordered By

BB&J
5 Market Square Suite 206
Amesbury, MA 01913-

Site

City of Industry

Telephone: (978)834-0798
Attn: Daniel T. Elliott

Page: 7
Project ID: 0401
Project Name: Calmar

Job Number	Order Date	Client
25295	04/08/2005	BB&J

Method: 8260B, Volatile Organic Compounds

Batch No: 041005-1B

Our Lab I.D.		147248				
Sample ID		SB-6@25'				
Date Sampled		04/08/2005				
Date Extracted		04/10/2005				
Preparation Method						
Date Analyzed		04/10/2005				
Matrix		Soil				
Units		ug/kg				
Detection Limit Multiplier		1				
Analytes	**PQL**	**Results**				
Acetone	50.0	ND				
Benzene	2.00	ND				
Bromobenzene (Phenyl bromide)	10.00	ND				
Bromochloromethane (Chlorobromomethane)	10.00	ND				
Bromodichloromethane (Dichlorobromomethane)	10.00	ND				
Bromoform (Tribromomethane)	50.00	ND				
Bromomethane (Methyl bromide)	30.00	ND				
2-Butanone (MEK, Methyl ethyl ketone)	50.00	ND				
n-Butylbenzene	10.00	ND				
sec-Butylbenzene	10.00	ND				
tert-Butylbenzene	10.00	ND				
Carbon disulfide	10.00	ND				
Carbon tetrachloride (Tetrachloromethane)	10.00	ND				
Chlorobenzene	10.00	ND				
Chloroethane	30.00	ND				
2-Chloroethyl vinyl ether	50.00	ND				
Chloroform (Trichloromethane)	10.00	ND				
Chloromethane (Methyl chloride)	30.00	ND				
4-Chlorotoluene (p-Chlorotoluene)	10.00	ND				
2-Chlorotoluene (o-Chlorotoluene)	10.00	ND				
1,2-Dibromo-3-chloropropane (DBCP)	50.00	ND				
Dibromochloromethane	10.00	ND				
1,2-Dibromoethane (EDB, Ethylene dibromide)	10.00	ND				
Dibromomethane	10.00	ND				
1,2-Dichlorobenzene (o-Dichlorobenzene)	10.00	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	10.00	ND				

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ANALYTICAL RESULTS

Page: 8
Project ID: 0401
Project Name: Calmar

Job Number	Order Date	Client
25295	04/08/2005	BB&J

Method: 8260B, Volatile Organic Compounds

Batch No: 041005-1B

Our Lab I.D.		147248				
Sample ID		SB-6@25'				
Date Sampled		04/08/2005				
Analytes	**PQL**	**Results**				
1,4-Dichlorobenzene (p-Dichlorobenzene)	10.00	ND				
Dichlorodifluoromethane	30.00	ND				
1,1-Dichloroethane	10.00	ND				
1,2-Dichloroethane	10.00	ND				
1,1-Dichloroethene (1,1-Dichloroethylene)	10.00	ND				
cis-1,2-Dichloroethene	10.00	ND				
trans-1,2-Dichloroethene	10.00	ND				
1,2-Dichloropropane	10.00	ND				
1,3-Dichloropropane	10.00	ND				
2,2-Dichloropropane	10.00	ND				
1,1-Dichloropropene	10.00	ND				
cis-1,3-Dichloropropene	10.00	ND				
trans-1,3-Dichloropropene	10.00	ND				
Ethylbenzene	2.00	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	30.00	ND				
2-Hexanone	50.00	ND				
Isopropylbenzene	10.00	ND				
p-Isopropyltoluene (4-Isopropyltoluene)	10.00	ND				
MTBE	5.00	ND				
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	50.00	ND				
Methylene chloride (Dichloromethane, DCM)	50.00	ND				
Naphthalene	10.00	ND				
n-Propylbenzene	10.00	ND				
Styrene	10.00	ND				
1,1,1,2-Tetrachloroethane	10.00	ND				
1,1,2,2-Tetrachloroethane	10.00	ND				
Tetrachloroethene (Tetrachloroethylene)	10.00	ND				
Toluene (Methyl benzene)	2.00	ND				
1,2,3-Trichlorobenzene	10.00	ND				
1,2,4-Trichlorobenzene	10.00	ND				
1,1,1-Trichloroethane	10.00	ND				
1,1,2-Trichloroethane	10.00	ND				
Trichloroethene (TCE)	10.00	ND				
Trichlorofluoromethane	10.00	ND				
1,2,3-Trichloropropane	10.00	ND				
1,2,4-Trimethylbenzene	10.00	ND				
1,3,5-Trimethylbenzene	10.00	ND				
Vinyl acetate	50.0	ND				
Vinyl chloride (Chloroethene)	30.00	ND				
o-Xylene	2.00	ND				
m- & p-Xylenes	4.00	ND				

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ANALYTICAL RESULTS

Page: 9
Project ID: 0401
Project Name: Calmar

Job Number	Order Date	Client
25295	04/08/2005	BB&J

Method: 8260B, Volatile Organic Compounds

Our Lab I.D.		147248				
Surrogates	Con.Limit	% Rec.				
Surrogate Percent Recovery						
Bromofluorobenzene	70-120	119				
Dibromofluoromethane	70-120	113				
Toluene-d8	70-120	101				

QUALITY CONTROL REPORT

Batch No: 041005-1B

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit					
Benzene	92	92	<1	75-120	15					
Chlorobenzene	92	90	2.2	75-120	15					
1,1-Dichloroethene (1,1-Dichloroethylene)	95	94	1.1	75-120	15					
MTBE	96	96	<1	75-120	15					
Toluene (Methyl benzene)	94	95	1.1	75-120	15					
Trichloroethene (TCE)	97	96	1.0	75-120	15					

APPENDIX B

COPY OF HISTORICAL SOIL-VAPOR AND SOIL-MATRIX LABORATORY ANALYTICAL RESULTS

Table 9: Historical Soil Analytical Data – Waste StorageArea[1]
(Page 1 of 4)

	Analytical Results (mg/kg)																		
Analytical Parameter (COCs)	B-1 (0.5')	B-1 (1.5')	B-1 (10.0')	B-1 (20.0')	B-1 (25.0')	B-1 (30.0')	B-2 (0.5')	B-2 (10.0')	B-3 (1.0')	B-3 (5.0')	B-3 (10.0')	B-4 (1.0')	B-4 (5.0')	B-4 (10.0')	B-5 (0.5')	B-5 (2.5')	B-5 (5.0')	B-5 (10.0')	B-5 (15.0')
TPH																			
C8-C10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	7.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
C11-C12	1.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
C13-C14	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
C15-C16	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
C17-C18	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.70	1.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
C19-C20	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.5	7.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
C21-C22	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	13	14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
C23-C24	NA	NA	NA	NA	NA	NA	<0.1	<0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aromatic Volatile Organics																			
Benzene	<0.050	<0.050	<0.050	<0.050	Trace[2]	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichlorobenzene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	Trace[2]	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	<0.050	<0.050	<0.050	<0.050	Trace[2]	<0.050	<0.005	<0.005	Trace	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	Trace[2]	Trace[2]	Trace[2]	Trace[2]	<0.050	Trace[2]	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Toluene	Trace[2]	Trace[2]	Trace[2]	Trace[2]	Trace[2]	Trace[2]	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Xylenes	<0.150	<0.150	<0.150	<0.150	Trace[2]	<0.150	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Halogenated Volatile Organics																			
1,1-Dichloroethane	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.005	<0.005	Trace	<0.005	<0.005	Trace	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1-Dichloroethene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichlorobenzene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,4-Dichlorobenzene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.005	Trace[2]	0.059	Trace	0.029	0.051	Trace	0.0052	<0.005	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	2.3	1.2	0.8	5.0	<0.050	1.2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	<0.050	0.9	<0.050	<0.050	<0.050	<0.050	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mix 2[4]	<0.050	<0.050	1.0	<0.050	<0.050	<0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	NA	NA	NA	0.120	Trace[2]	0.080	0.043	0.120	0.260	0.014	0.013	Trace[2]	Trace[2]	Trace[2]	Trace[2]	<0.005
Trichloroethylene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	Trace[2]	<0.005	0.0081	<0.005	<0.005	Trace	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes and acronym/symbol definitions are listed on page 4 of 4.

Table 9: Historical Soil Analytical Data – Waste StorageArea[1]
(Page 2 of 4)

	Analytical Results (mg/kg)																	
Analytical Parameter (COCs)	B-5 (20.0')	B-5 (25.0')	B-5 (30.0')	B-6 (5.0')	B-7 (2.5')	B-15 (1.0')	B-15 (5.0')	B-15 (10.0')	B-15 (25.0')	B-15 (30.0')	B-17[3] (0.0')	B-17[3] (2.5')	B-17[3] (5.0')	B-17[3] (10.0')	B-17[3] (15.0')	B-17[3] (20.0')	B-17[3] (25.0')	B-17[3] (30.0')
TPH																		
C8-C10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	No Data	Trace[2]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
C11-C12	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	No Data	Trace[2]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
C13-C14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	No Data	Trace[2]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
C15-C16	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	No Data	1.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
C17-C18	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	No Data	7.2	Trace[2]	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
C19-C20	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	No Data	12	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
C21-C22	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	No Data	17	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
C23-C24	NA	NA	NA	NA	NA	NA	NA	NA	NA	No Data	27	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aromatic Volatile Organics																		
Benzene	<0.005	<0.005	<0.005	<0.005	Trace[3]	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichlorobenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	<0.005	<0.005	<0.005	Trace[3]	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Ethylbenzene	Trace[3]	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	Trace[3]	Trace[3]	<0.005	<0.005	<0.005	Trace[3]	<0.005
Toluene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Xylenes	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	Trace[3]	Trace[3]	Trace[3]	Trace[3]	<0.005	Trace[3]	Trace[3]
Halogenated Volatile Organics																		
1,1-Dichloroethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	Trace	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	Trace[3]
1,1-Dichloroethene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.0079	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.016
1,2-Dichlorobenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,2-Dichloroethane	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,4-Dichlorobenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1,1,1-Trichloroethane	<0.005	<0.005	<0.005	<0.005	<0.005	Trace	<0.005	<0.005	<0.005	<0.005	0.013	0.011	Trace[3]	Trace[3]	<0.005	<0.005	<0.005	<0.005
Carbon tetrachloride	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chlorobenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cis-1,2-Dichloroethene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	Trace[3]
Mix 2[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.0061	Trace[3]	<0.005	<0.005	<0.005	0.059	Trace	0.0087	<0.005	0.023	<0.005	0.380	0.023	0.018	<0.005	<0.005	<0.005	0.030
Trichloroethylene	<0.005	<0.005	0.005	<0.005	<0.005	Trace	<0.005	<0.005	<0.005	0.0053	Trace[3]	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.038

Notes and acronym/symbol definitions are listed on page 4 of 4.

Table 9: Historical Soil Analytical Data – Waste StorageArea[1]
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Analytical Parameter (COCs)	Analytical Results (mg/kg)																	
	LFSB4 (10.0')	LFSB4 (15.0')	LFSB4 (31.0')	LFSB4 (31.5')	LFSB4 (35.0')	LFSB4 (40.0')	LFSB5 (4.5')	LFSB5 (10')	LFSB5 (15')	LFSB6 (5')	LFSB6 (9.5')	LFSB6 (15')	LFSB7 (5')	LFSB7 (9.5')	LFSB7 (15')	LFSB8 (5')	LFSB8 (9.5')	LFSB8 (15')
TPH																		
C8-C10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C11-C12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C13-C14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C15-C16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C17-C18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C19-C20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C21-C22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C23-C24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aromatic Volatile Organics																		
Benzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Halogenated Volatile Organics																		
1,1-Dichloroethane	<0.001	<0.001	<0.001	<0.001	0.0016	0.0011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1-Dichloroethene	0.0012	<0.001	0.0025	0.031	0.018	0.0011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichlorobenzene	0.0011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,2-Dichloroethane	0.0022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,4-Dichlorobenzene	0.0012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1,1,1-Trichloroethane	0.0033	<0.001	0.0028	0.003	0.0051	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Carbon tetrachloride	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cis-1,2-Dichloroethene	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mix 2[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	0.160	0.013	0.150	0.061	0.210	0.0091	<0.001	<0.001	<0.001	0.0083	0.018	0.0017	<0.001	<0.001	<0.001	0.067	0.074	0.0023
Trichloroethylene	0.0011	<0.001	<0.001	0.076	0.029	<0.001	<0.001	<0.001	<0.001	0.0011	<0.001	<0.001	<0.001	<0.001	<0.001	0.0017	0.0014	<0.001

Notes and acronym/symbol definitions are listed on page 4 of 4.

Table 9: Historical Soil Analytical Data – Waste StorageArea[1]
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Notes:

1: Soil boring samples were collected by BCL Associates, Inc. (BCLA) using a hollow stem drill rig. Soil samples were collected from boring B-1 on June 8, 1988, borings B-2 through B-7 and B-15 from July 27-28, 1988, and boring B-17 on October 14, 1988. Soil boring samples were submitted to BCLA for following chemical analyses:

- TPH (chain lengths C8 to C22) using U. S. EPA Method 8015 Modified;
- Aromatic volatile organics using U. S. EPA Method 8020; and,
- Halogenated volatile organics using U. S. EPA Method 8010.

Soil samples from soil boring LFSB4 were collected by Levine-Fricke Recon (LFR) on March 31, 1993 and submitted to Terra Tech Labs for the following chemical analyses:

- Aromatic volatile organics using U. S. EPA Method 8020; and,
- Halogenated volatile organics using U. S. EPA Method 8010.

Soil samples from soil borings LFSB5 through LFSB-8 were collected by LFR on April 9, 1997 and submitted to Jones Environmental Laboratories for chemical analysis of halogenated volatile organics using U. S. EPA Method 8010.

Only COCs detected above laboratory MDLs are listed in table.

2: COC was detected at or below applicable MDL or PQL and could not be accurately quantified by the laboratory.

3: TPH values are relative to the PQL, where: PQL/10 = MDL.

4: Mix 2 consists of tetrachlorethene and 1,1,2,2-tetrachlorethane.

Acronym and Symbol Definitions:

B:	boring
LFSB:	Levine-Fricke soil boring
(1.0'):	sampling depth in feet below ground surface
COC:	constituent of concern
mg/kg:	milligrams per kilogram
1.8:	COC concentration exceeded applicable laboratory MDL
<0.050:	COC concentration not detected above laboratory MDL
ND:	not detected (above laboratory MDL)
NA:	not analyzed
MDL:	method detection limit (laboratory)
PQL:	practical quantitation limit
U.S. EPA:	United States Environmental Protection Agency

Prepared By/Date: JHM / 7-26-05
Checked By/Date: PLD / 7-28-05

Table 10: Historical Soil-Vapor Analytical Data – Waste Storage Area[1]
(Page 1 of 4)

Analytical Parameter (COCs)	Analytical Results (ug/L)													
	VP20 (3')	VP20 (6')	VP39 (3')	VP39 (6')	VP40 (3')	VP40 (6')	VP41 (3')	VP41 (6')	VP42 (3')	VP42 (6')	VP43 (3')	VP43 (6')	VP44 (3')	VP44 (6')
VOCs														
1,1-Dichloroethene	<0.005	<0.005	<0.1	0.5	1	<0.2	<0.2	0.9	<0.2	<0.2	<0.2	<0.2	35	<39
1,1,1-Trichloroethane	0.07	0.02	0.5	0.7	4	<0.01	0.9	3	0.8	<0.01	0.7	0.03	14	<0.02
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Freon-113	<0.003	<0.003	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.2	<1
Tetrachloroethene	0.7	0.05	6	7	11	0.6	12	17	15	2	11	0.5	590	108
Trichloroethene	0.3	0.3	1	2	10	<0.03	6	14	5	<0.03	2	0.2	31	<0.05

Analytical Parameter (COCs)	Analytical Results (ug/L)													
	VP45 (3')	VP45 (6')	VP46 (3')	VP46 (6')	VP47 (3')	VP47 (6')	VP48 (3')	VP48 (6')	VP53 (3')	VP53 (6')	VP54 (3')	VP54 (6')	VP55 (3')	VP55 (6')
VOCs														
1,1-Dichloroethene	<39	<2	<4	<2	<2	<2	<2	<2	6	<0.2	1	<0.2	<0.2	<0.2
1,1,1-Trichloroethane	26	<0.008	0.3	2	0.2	<0.008	0.6	0.7	<0.009	3	0.1	<0.009	0.02	0.1
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Freon-113	<1	<0.06	<0.1	<0.06	<0.06	<0.06	<0.06	<0.06	0.4	<0.03	<0.03	<0.03	<0.03	<0.03
Tetrachloroethene	820	0.2	0.7	12	5	0.2	0.2	0.4	0.2	45	2	0.2	0.1	2
Trichloroethene	20	<0.03	<0.05	0.4	<0.03	<0.03	<0.03	0.1	<0.03	6	0.3	<0.03	0.08	0.1

Notes and acronym/symbol definitions are listed on page 4 of 4.

Table 10: Historical Soil-Vapor Analytical Data – Waste Storage Area[1]
(Page 2 of 4)

Analytical Parameter (COCs)	Date Sampled	Analytical Results (ug/L)													
		NVP4-1 (4') [1]	NVP4-1 (4') [2]	NVP4-1 (4') [3]	NVP4-2 (12') [1]	NVP4-2 (12') [2]	NVP4-2 (12') [3]	NVP4-3 (17') [1]	NVP4-3 (17') [2]	NVP4-4 (25.5') [2]	NVP4-5 (36') [1]	NVP4-5 (36') [2]	NVP4-5 (36') [3]	NVP4-6 (41') [1]	NVP4-6 (41') [1]
VOCs															
1,1-Dichloroethene	4/14/93	<5.0	<5.0	<5.0	<5.0	NS	NS	5.3	5.3	14	<5.0	<5.0	<5.0	<5.0	NS
	5/13/93	<1.0	<1.0	<1.0	NS	3.3	1.4	<1.0	11	11.3	1.5	<1.0	<1.0	NS	<1.0
	6/28/93	NS	4.6	NS	NS	5.3	NS	NS	5.5	9.3	NS	1.3	NS	NS	1.1
1,1,1-Trichloroethane	4/14/93	<1.0	39	38	42	NS	NS	10	11	14	16	<1.0	<1.0	14	NS
	5/13/93	3.6	<1.0	<1.0	NS	25	8.2	<1.0	13	12	18	4.5	3.1	NS	18
	6/28/93	NS	20	NS	NS	16	NS	NS	14	13	NS	<1.0	NS	NS	<1.0
1,1,2-Trichloroethane	4/14/93	<1.0	<1.0	<1.0	<1.0	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS
	5/13/93	<1.0	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	<1.0
	6/28/93	NS	<1.0	NS	NS	<1.0	NS	NS	<1.0	<1.0	NS	<1.0	NS	NS	<1.0
Cis-1,2-Dichloroethene	4/14/93	<1.0	<1.0	<1.0	<1.0	NS	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS
	5/13/93	<1.0	<1.0	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NS	<1.0
	6/28/93	NS	<1.0	NS	NS	<1.0	NS	NS	<1.0	<1.0	NS	<1.0	NS	NS	<1.0
Freon-113	4/14/93	NA	NA	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA	NS
	5/13/93	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA
	6/28/93	NS	NA	NS	NS	NA	NS	NS	NA	NA	NS	NA	NS	NS	NA
Tetra chloroethene	4/14/93	42	78	79	83	NS	NS	44	102	81	18	14	12	19	NS
	5/13/93	27	21	1.3	NS	27	28	17	70	76	10.2	5.3	3.8	NS	18
	6/28/93	NS	1,100[2]	NS	NS	1,100[2]	NS	NS	2,000[2]	140	NS	24	NS	NS	6
Trichloroethene	4/14/93	<1.0	4.5	4.7	5.3	NS	NS	5.0	5.9	4.0	<1.0	<1.0	<1.0	<1.0	NS
	5/13/93	1.5	<1.0	<1.0	NS	2.9	1.7	<1.0	9.0	12	<1.0	<1.0	<1.0	NS	1.4
	6/28/93	NS	20	NS	NS	16	NS	NS	14	7.6	NS	<1.0	NS	NS	<1.0

Notes and acronym/symbol definitions are listed on page 4 of 4.

Table 10: Historical Soil-Vapor Analytical Data – Waste Storage Area[1]
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Analytical Parameter (COCs)	Date Sampled	Analytical Results (ug/L)											
		VE5 (7-10')	VE6S (3-8')	VE6D (13-23')	VE8 (3-8')	VE10 (3-8')	VE12S (3-8')	VE12D (12-22')	VE13 (12-22')	VE14 (12-22')	NVP4-1 (8-9')	NVP4-A	NVP4-4 (24-25')
VOCs													
1,1-Dichloroethene	4/22/99	<1.0	NS	<1.0	NS	<1.0	NS	<1.0	1.4	<1.0	<1.0	<1.0	<1.0
	7/20/99	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	<1.0	<1.0
	10/14/99	<1.0	<1.0	1.9	<1.0	<1.0	<1.0	<1.0	1.4	<1.0	<1.0	<1.0	<1.0
	2/3/00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0	1.5	1.1	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	4/22/99	<1.0	NS	<1.0	NS	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/20/99	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/14/99	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/3/00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Cis-1,2-Dichloroethene	4/22/99	<1.0	NS	<1.0	NS	<1.0	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	7/20/99	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/14/99	<1.0	<1.0	<1.0	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/3/00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	4/22/99	19	NS	16	NS	9.3	NS	4.6	18	34	1.1	<1.0	2.9
	7/20/99	42	80	15	110	35	16	1.2	11	<1.0	1.8	3.2	2.3
	10/14/99	54	120	28	230	25	19	<1.0	22	39	3.7	4.6	4.4
	2/3/00	26	66	25	86	16	13	19	24	39	1.9	6.5	10
Trichloroethene	4/22/99	<1.0	NS	1.0	NS	<1.0	NS	<1.0	1.4	1.0	<1.0	<1.0	<1.0
	7/20/99	1.9	3.8	<1.0	5.4	1.7	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	10/14/99	1.9	3.8	<1.0	8.2	1.2	<1.0	8.2	1.2	1.1	<1.0	<1.0	<1.0
	2/3/00	1.2	2.5	1.1	3.1	<1.0	<1.0	1.1	1.5	1.6	<1.0	<1.0	1.1

Notes and acronym/symbol definitions are listed on page 4 of 4.

Table 10: Historical Soil-Vapor Analytical Data – Waste Storage Area[1]
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Notes:

[1]: Soil-vapor samples were collected by Tracer Research Corporation (TRC) under direction of Camp Dresser & McKee, Inc. Soil-vapor samples were collected from vapor probe VP20 on May 10, 1991, vapor probes VP39 through VP48 from May 15-16, 1991, and vapor probes VP53 through VP55 on May 17, 1991, and subsequently analyzed in the TRC field van using a Varian 330 gas chromograph equipped with an electron capture detector for the following volatile organic compounds: 1,1-dichloroethene, methylene chloride, 1,1,2-trichlorotrifluoroethane (i.e., Freon-113), chloroform, 1,1,1-trichloroethane, carbon tetrachloride, trichloroethene, 1,1,2-trichloroethane, 1,1,1,2-tetrachloroethane, and tetrachloroethene.

Soil-vapor samples were collected by Terra Tech Labs under direction of Levine-Fricke Recon (LFR) from nested vapor probe NVP4 on April 14, May 13 and June 28, 1993, and analyzed in the field by Terra Tech Labs for RWQCB Target 22 Compounds.

Soil-vapor samples were collected by Interphase under the direction of LFR from vapor extraction wells VE5, VE6S/6D, VE8, VE10, VE12S/12D, VE13 and VE14 and nested vapor probe NVP4 on April 22, 1999, July 20, 1999, October 14, 1999 and February 3, 2000, and submitted to Centrum Analytical Laboratories, Inc. for chemical analysis of VOCs using U. S. EPA Method 8260B.

Only COCs detected above laboratory MDLs are listed in table.

[2]: Tetrachloroethene concentrations exceeded the calibration range and were subsequently reanalyzed with a smaller allquot (1.0 mL).

Acronym and Symbol Definitions:

VP:	vapor probe
NVP:	nested vapor probe
(3'):	sampling depth in feet below ground surface
(3-8'):	sampling interval in feet below ground surface
[1]:	number of purges before sample was taken
COC:	constituent of concern
VOCs:	volatile organic compounds
ug/L:	micrograms per Liter
ND:	not detected (above laboratory MDL)
NA:	not analyzed
NS:	not sampled
1.1:	COC concentration exceeded applicable laboratory MDL
<0.1:	COC concentration not detected above laboratory MDL
MDL:	method detection limit (laboratory)
U.S. EPA:	United States Environmental Protection Agency
RWQCB:	Regional Water Quality Control Board

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