June 13, 2012

Henry Wilkie, Environmental Engineer I
New York State Department of
Environmental Conservation
Bureau of Hazardous Waste and Radiation Management
Division of Solid and Hazardous Materials
625 Broadway
Albany, New York 12233-7258

Re: International Business Machines Corporation
East Fishkill Facility – B/304 Dock Apron Replacement
Pre-construction Soil Sampling and Analysis Program
Contained-In Demonstration

Dear Mr. Wilkie:

The purpose of this letter is to present a plan for the management of soil to be excavated as part of the proposed construction activities to be undertaken at the International Business Machines Corporation (IBM) East Fishkill facility. In order to further quantify the chemical composition of the soil in the vicinity of the proposed construction activities, screening, characterization and sampling of the subsurface soil was conducted by D&B Architects and Engineers (D&B) on April 30 and May 1, 2012 at Building 304 (B/304), at the IBM East Fishkill facility/Hudson Valley Research Park (HVRP) in Hopewell Junction, New York.

Background

A construction project has been initiated at the IBM East Fishkill facility associated with the Building 304 Dock Apron Replacement Project. The construction activity will be conducted by Fluor Construction Company (Fluor) and will require the excavation of soil along the dock apron area of B/304. The Pre-construction Soil Sampling and Analysis Program, which was undertaken in order to determine the appropriate management procedure for the excavated soil from the project is described below.

Technical Approach

The objective of the Pre-construction Soil Sampling and Analysis Program was to collect representative soil samples at appropriate depths from within the area proposed for construction, analyze the soil samples for appropriate constituents of concern and compare the results of the analytical testing to the Contained-In Action Levels presented in TAGM 3028 with an effective date of March 14, 1997. Based on that comparison, IBM will properly classify the soil as either hazardous or non-hazardous waste and develop an appropriate soil management protocol for off-site transportation and disposal, on-site backfilling or other on-site reuse of the excavated soil.

Field Investigation

As part of the field program, D&B observed Soil Testing Inc. utilizing hollow-stem augers and split-spoon samplers to complete seven borings to various depths along the dock apron area of B/304. Under

this task, D&B initiated and completed the field program in accordance with the NYSDEC-approved work plan. All field investigation work including soil sampling and analytical testing were conducted in accordance with the NYSDEC-approved protocols and in accordance with the IBM East Fishkill Quality Assurance/Quality Control Procedures included in its Part 373 Permit. Soil samples were collected for laboratory analysis under the supervision of a geologist, and analyzed for volatile organic compounds (VOCs) utilizing EPA Method 8260B and priority pollutant (PP) metals utilizing EPA Method 6010. Analytical results for the soil samples were compared to the groundwater pollution standards listed in 6 NYCRR 375-6.8(b) Restricted Use Soil Cleanup Objectives (SCOs) for Industrial Use, and the "Contained-In" Action Levels listed in NYSDEC's TAGM No. 3028.

After utility clearance was complete, Soil Testing Inc. collected concrete core samples. Following the concrete coring, Soil Testing Inc. advanced soil borings and D&B collected soil samples from depths of approximately 2 feet, 4 feet, 6 feet and 8 feet below ground surface at six locations within the proposed excavation area. At times, limited soil recovery or refusal determined the exact soil interval which could be collected. Soil Testing Inc. conducted a seventh boring location utilizing Shelby tubes instead of split spoons for geotechnical purposes. The approximate positions of the seven boring locations are depicted on Figure 1 provided as **Attachment 1** to this letter. As part of the field program, D&B screened the sample locations for VOCs with a photoionization detector (PID) and conducted a visual inspection and classification of the soil. No staining or odors were present and all PID readings were non-detect throughout the borings. Soil boring logs are provided as **Attachment 2** to this letter.

Analytical Results

Laboratory analysis performed on the collected soil samples included VOCs, utilizing EPA Method 8260B, and PP metals, utilizing EPA Method 6010. EPA Method 8260B includes, but is not limited to, the following seven compounds listed on Table 1 of Appendix B in Module III of the East Fishkill Part 373 Permit:

- cis-1,2-dichloroethene (DCE)
- 1,1,1-trichloroethane (TCA)
- trichloroethene (TCE)
- tetrachloroethene
- benzene
- ethylbenzene
- xylene

The soil samples collected for laboratory analysis were submitted under chain-of-custody to Chemtech Laboratories. A copy of the chain-of-custody forms for the soil samples are provided as **Attachment 3.**

The analytical results of the soil sample were compared to the Contained-In Action Levels for soil/sediment provided in the NYSDEC's TAGM 3028 – "'Contained-in Criteria' for Environmental Media," dated November 30, 1992. It should be noted that the Soil/Sediment Contained-In Action Levels listed in TAGM 3028 have an effective date of March 14, 1997. In addition, analytical results of the soil samples were compared to 6 NYCCR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives for Industrial Use, effective December 14, 2006.

As previously discussed the soil samples were submitted to Chemtech for VOC and PP metal analyses. The tabulated analytical results are presented as **Attachment 4**. The laboratory data package is presented as **Attachment 5**, with quality assurance/quality control documentation presented as **Attachment 6**.

As shown in Table 1 of **Attachment 4**, VOCs were not detected at concentrations exceeding the TAGM 3028 "Contained-in" Action Levels or 6 NYCCR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives for Industrial Use.

As shown in Table 2 of **Attachment 4**, Priority Pollutant Metals were not detected at concentrations that exceeded the NYCRR Part 375-6.8(b): Restricted Use Soil Cleanup Objectives for Industrial Use, but all samples did exceed the TAGM 3028 "Contained-in" Action Levels for arsenic and beryllium. Arsenic and beryllium are commonly detected in soil and do not necessarily indicate point source contamination. The mean Eastern U.S. Background concentration for arsenic is 4.8 mg/kg. While slightly above this level, all samples were within two standard deviations of the mean (4.8 mg/kg + 2 x 2.56 mg/kg = 9.92 mg/kg), which is a strong indicator that arsenic is within normal background ranges. The mean Eastern U.S. Background concentration for beryllium is 0.55 mg/kg. All samples were below this level for beryllium.

Discussion

The purpose of the Pre-construction Soil Sampling and Analysis Program is to determine how to manage on-site soil excavated as part of proposed construction activities.

In order to determine whether the soil located within these areas would be considered a listed hazardous waste as a result of mixing with a particular known listed waste, the contained-in policy was used since soil is an environmental media. The seven listing constituents (VOCs identified above) were not detected at concentrations exceeding the "Contained-in" Action Levels.

To determine if the soil located in the vicinity can be reused on site, the sample results were compared to 6 NYCRR Part 375-6 8(b) Restricted Use SCOs for Industrial Use. No VOCs or PP metals were detected at concentrations above Restricted Use SCOs for Industrial Use.

Therefore, based on the analytical results of the soil sampling conducted as a part of the Pre-construction Soil Sampling and Analysis Program, none of the soil located within the areas of proposed excavation would be classified as either a listed or characteristic hazardous waste. Based on the comparison to Restricted Use SCOs for Industrial Use, the soil in the vicinity of the boring location is suitable for reuse (i.e., regrading) on-site.

Conclusions

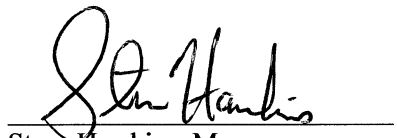
Based upon the results of the supplemental Pre-construction Soil Sampling and Analysis Program, IBM is requesting that the NYSDEC approve the classification of soil proposed for excavation during the construction activities within the vicinity of the B/304 dock apron as non-hazardous waste. IBM is also requesting approval to utilize the soil to backfill the excavations or as regrading material in the general vicinity of the excavations. Furthermore, any excess soil from the excavations and regrading would be used as fill in selected areas of the IBM East Fishkill facility. In the event the excavated soil will be disposed of off-site, the material will be transported off-site as a non-hazardous industrial solid waste to a permitted Part 360 land disposal facility or a permitted hazardous waste landfill.

IBM also does not consider the proposed construction activities to constitute a "substantial change of use" of the site as defined in 6 NYCRR 375-1.3(v) because the proposed construction activities will not disrupt or expose hazardous waste or increase direct human exposure. As a result, the notification requirements of 6 NYCRR 375-1.6 are not applicable.

It should be noted that during the excavation activities, monitoring will be conducted for Health and Safety purposes. If this monitoring indicates consistent elevated readings, then the soil will be segregated, sampled and analyzed to confirm that it is below the Contained-In Action Levels. If the soil does not meet the contained-in criteria, the soil will be managed as a hazardous waste.

After reviewing the attached information, should you have any questions, please do not hesitate to contact Ms. Jackie Braungart at (845) 892-1672.

Sincerely,
INTERNATIONAL BUSINESS
MACHINES CORPORATION

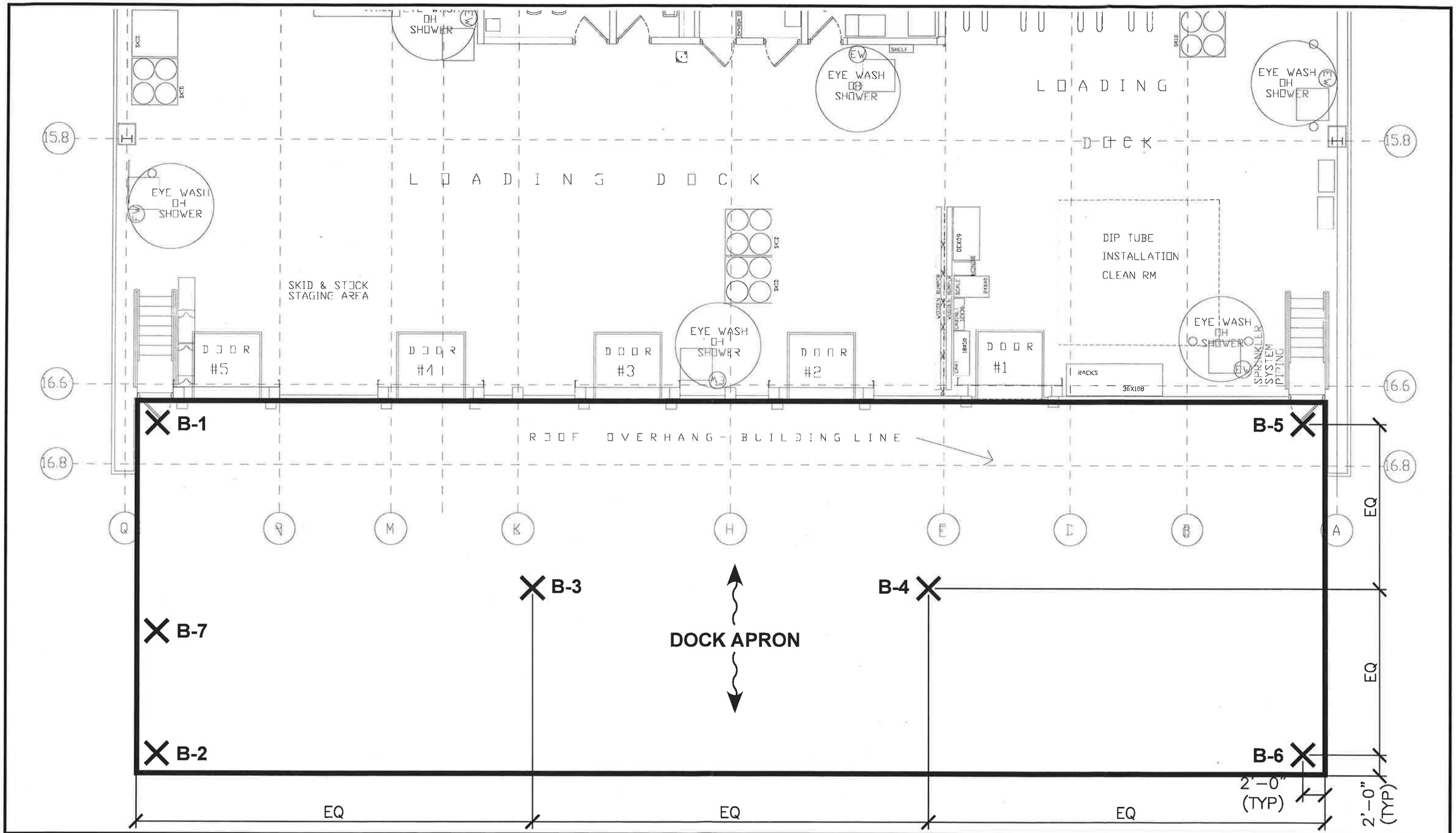


Steve Hawkins, Manager
Environmental Regulatory Engineering

Enclosure
cc: M. O'Connor (NYSDEC – New Paltz)
R. Pergadia (NYSDEC – New Paltz)
J. Braungart (IBM)
R. Walka (D&B)
B. Veith (D&B)

ATTACHMENT 1

FIGURE 1 – SOIL BORING LOCATIONS



D&B ENGINEERS AND ARCHITECTS, P.C.
KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

INTERNATIONAL BUSINESS MACHINES CORPORATION
EAST FISHKILL FACILITY
BUILDING 304 (B/304) DOCK APRON REPLACEMENT PROJECT

SOIL BORING LOCATIONS

FIGURE 1

ATTACHMENT 2

BORING LOGS

Dvirka and Bartilucci CONSULTING ENGINEERS	**Project No.:** 3155-03 **Project Name:** IBM East Fishkill – B304	**Boring No.:** B-1 **Sheet** 1 **of** 1 . **By:** Paul Barusich
Drilling Contractor: Soil Test. Inc. **Driller:** Brian / Tyrone **Drill Rig:** Diedrich D-50 Turbo **Date Started:** 4/30/12	**Geologist:** Paul Barusich **Drilling Method:** HSA **Drive Hammer Weight:** 140 lbs **Date Completed:** 4/30/12	**Boring Completion Depth:** 8' **Ground Surface Elevation:** --- **Boring Diameter:** 3"

Depth (ft.)	Soil Sample No.	Type	Blows Per 6"	Rec. "	PID Per 6" (ppm)	Sample Description
0 - 9"	1	CC	NA	9"	0.0	Concrete core.
9" - 2'	2	SS	11 17 13 12	15"	0.0	Brown, fine to medium subangular SAND, some silt, trace fine subangular gravel, dense, moist, no staining, no odor.
2' - 4'	3	SS	2 4 5 7	18"	0.0	Light brown, fine to medium subangular SAND and SILT, dense, moist, no staining, no odor.
4' – 6'	4	SS	6 8 10 14	18"	0.0	Light brown, fine to medium subangular SAND and SILT, dense, moist, no staining, no odor.
6' – 8'	5	SS	3 5 9 9	18"	0.0	Brown, fine to medium subangular SAND and SILT, some fine to coarse subangular gravel, loose, moist, no staining, no odor.

Sample Types:
CC = Concrete Core
SS = Split Spoon

NOTES:
Analysis: VOCs, EPA Method 8260B
PP Metals, EPA Method 6010
Intervals: 9"-2', 2'-3.5', 4'-5.5' and 6'-7.5'.

Dvirka and Bartilucci CONSULTING ENGINEERS	**Project No.:** 3155-03 **Project Name:** IBM East Fishkill – B304	**Boring No.:** B-2 **Sheet** 1 **of** 1 . **By:** Paul Barusich
Drilling Contractor: Soil Test. Inc. **Driller:** Brian / Tyrone **Drill Rig:** Diedrich D-50 Turbo **Date Started:** 4/30/12	**Geologist:** Paul Barusich **Drilling Method:** HSA **Drive Hammer Weight:** 140 lbs **Date Completed:** 4/30/12	**Boring Completion Depth:** 8' **Ground Surface Elevation:** --- **Boring Diameter:** 3"

Depth (ft.)	Soil Sample No.	Type	Blows Per 6"	Rec. "	PID Per 6" (ppm)	Sample Description
0 - 8"	1	CC	NA	8"	0.0	Concrete core.
8" - 2'	2	SS	7 12 10 16	16"	0.0	Brown, fine to medium subangular SAND and SILT, some fine to medium subangular gravel, dense, moist, no staining, no odor.
2' - 4'	3	SS	2 3 2 10	18"	0.0	Brown-olive green, SILT, some fine to medium subangular sand, trace fine to medium subrounded gravel, loose, moist, no staining, no odor.
4' – 6'	4	SS	13 19 20 10	12"	0.0	Brown-olive green, SILT, some fine to medium subangular sand and fine subangular gravel, loose, moist, no staining, no odor.
6' – 8'	5	SS	16 12 6 7	24"	0.0	Brown, fine to medium subangular SAND and SILT, some fine to coarse subangular gravel, loose, moist, no staining, no odor.

Sample Types:
CC = Concrete Core
SS = Split Spoon

NOTES:
Analysis: VOCs, EPA Method 8260B
PP Metals, EPA Method 6010
Intervals: 8"-2', 2'-3.5', 4'-5' and 6'-8'.

Dvirka and Bartilucci CONSULTING ENGINEERS	**Project No.:** 3155-03 **Project Name:** IBM East Fishkill – B304	**Boring No.:** B-3 **Sheet** 1 **of** 1 . **By:** Paul Barusich
Drilling Contractor: Soil Test. Inc. **Driller:** Brian / Tyrone **Drill Rig:** Diedrich D-50 Turbo **Date Started:** 4/30/12	**Geologist:** Paul Barusich **Drilling Method:** HSA **Drive Hammer Weight:** 140 lbs **Date Completed:** 5/1/12	**Boring Completion Depth:** 14' **Ground Surface Elevation:** --- **Boring Diameter:** 3"

Depth (ft.)	Soil Sample No.	Type	Blows Per 6"	Rec. "	PID Per 6" (ppm)	Sample Description
0 – 9"	1	CC	NA	9"	0.0	Concrete core.
9" - 2"	2	SS	11 60 46 28	15"	0.0	Brown, fine to medium subangular SAND and SILT, some fine to medium subrounded gravel, dense, moist, no staining, no odor.
2' – 4'	3	SS	11 13 12 11	18"	0.0	Brown, fine to medium subangular SAND and SILT, some fine to medium subrounded gravel, dense, moist, no staining, no odor.
4' – 6'	4	SS	12 11 12 8	0"	0.0	No soil recovery.
6' – 8'	5	SS	8 24 54	12"	0.0	Brown, fine to medium subangular SAND and SILT, some fine to medium subrounded gravel, dense, moist, no staining, no odor. Boring continued past 8' for geotechnical purposes. Split spoon refusal at 7' bgs.
8 - 10'	6	SS	32 53	12"	0.0	Brown to dark brown, fine to medium subangular SAND and SILT, some fine to medium subangular gravel, dense, moist, no staining, no odor. Split spoon refusal at 9' bgs.
10-12'	7	SS	39 72 31 50	12"	0.0	Brown, fine to coarse subangular GRAVEL and fine to medium subangular SAND, some silt, loose, wet, no staining, no odor. Refusal at 14' bgs.

Sample Types:
CC = Concrete Core
SS = Split Spoon

NOTES:
Analysis: VOCs, EPA Method 8260B
PP Metals, EPA Method 6010
Intervals: 9"-2', 2'-3.5' and 6'-7'.

Dvirka and Bartilucci CONSULTING ENGINEERS	**Project No.:** 3155-03 **Project Name:** IBM East Fishkill – B304	**Boring No.:** B-4 **Sheet** 1 **of** 1 . **By:** Paul Barusich
Drilling Contractor: Soil Test. Inc. **Driller:** Brian / Tyrone **Drill Rig:** Diedrich D-50 Turbo **Date Started:** 4/30/12	**Geologist:** Paul Barusich **Drilling Method:** HSA **Drive Hammer Weight:** 140 lbs **Date Completed:** 4/30/12	**Boring Completion Depth:** 4' **Ground Surface Elevation:** --- **Boring Diameter:** 3"

Depth (ft.)	Soil Sample No.	Type	Blows Per 6"	Rec. "	PID Per 6" (ppm)	Sample Description
0 - 9"	1	CC	NA	8"	0.0	Concrete core.
9" - 2'	2	SS	4 37 35 42	15"	0.0	Brown, fine to medium subangular SAND and SILT, some fine to coarse subangular gravel, dense, moist, no staining, no odor.
2' - 4'	3	SS	24 26 50 55	12"	0.0	Brown, fine to medium subangular SAND, some silt, trace fine subangular gravel, dense, moist, no staining, no odor. Refusal at 4' bgs.

Sample Types:
CC = Concrete Core
SS = Split Spoon

NOTES:
Analysis: VOCs, EPA Method 8260B
PP Metals, EPA Method 6010
Intervals: 9"-2' and 2'-3'.

Dvirka and Bartilucci CONSULTING ENGINEERS	**Project No.:** 3155-03 **Project Name:** IBM East Fishkill – B304	**Boring No.:** B-5 **Sheet** 1 **of** 1 . **By:** Paul Barusich
Drilling Contractor: Soil Test. Inc. **Driller:** Brian / Tyrone **Drill Rig:** Diedrich D-50 Turbo **Date Started:** 5/1/12	**Geologist:** Paul Barusich **Drilling Method:** HSA **Drive Hammer Weight:** 140 lbs **Date Completed:** 5/1/12	**Boring Completion Depth:** 10' **Ground Surface Elevation:** --- **Boring Diameter:** 3"

Depth (ft.)	Soil Sample No.	Type	Blows Per 6"	Rec. "	PID Per 6" (ppm)	Sample Description
0- 13"	1	CC	NA	13"	0.0	Concrete core.
13"- 2'	2	SS	50 50	12"	0.0	Tan, fine to coarse subangular SAND and fine to medium gravel, some silt, loose, moist, no staining, no odor.
2' - 4'	3	SS	N/A	0"	0.0	Split spoon refusal, no soil recovery.
4' – 6'	4	SS	N/A	0"	0.0	Split spoon refusal, no soil recovery.
6' – 8'	5	SS	27 52	12"	0.0	Tan-gray, fine to coarse subangular SAND and SILT, some fine to coarse subangular gravel, dense, moist, no staining, no odor. Split spoon refusal at 7' bgs.
8'- 10'	6	SS	29 37	12"	0.0	Gray-brown, fine to medium subangular SAND and SILT, some fine to coarse subangular gravel, loose, wet, no staining, no odor. Boring continued past 8' bgs for geotechnical purposes.

Sample Types:
CC = Concrete Core
SS = Split Spoon

NOTES:
Analysis: VOCs, EPA Method 8260B
PP Metals, EPA Method 6010
Intervals: 13"-2' and 6'-7'

Dvirka and Bartilucci CONSULTING ENGINEERS	**Project No.:** 3155-03 **Project Name:** IBM East Fishkill – B304	**Boring No.:** B6 **Sheet** 1 **of** 1 . **By:** Paul Barusich
Drilling Contractor: Soil Test. Inc. **Driller:** Brian / Tyrone **Drill Rig:** Diedrich D-50 Turbo **Date Started:** 5/1/12	**Geologist:** Paul Barusich **Drilling Method:** HSA **Drive Hammer Weight:** 140 lbs **Date Completed:** 5/1/12	**Boring Completion Depth:** 3' **Ground Surface Elevation:** --- **Boring Diameter:** 3"

Depth (ft.)	Soil Sample No.	Type	Blows Per 6"	Rec. "	PID Per 6" (ppm)	Sample Description
0- 10"	1	CC	NA	10"	0.0	Concrete core.
10"- 2'	2	SS	16 30 69 100	14"	0.0	Brown, fine to medium subangular SAND and SILT, some fine to coarse gravel and bluestone, dense, moist, no staining, no odor.
2' - 4'	3	SS	85 150	12"	0.0	Brown-gray, fine to medium subangular SAND and SILT, some fine to medium subangular gravel, dense; moist, no staining, no odor. Refusal at 3' bgs.

Sample Types:
CC = Concrete Core
SS = Split Spoon

NOTES:
Analysis: VOCs, EPA Method 8260B
PP Metals, EPA Method 6010
Intervals: 10"-2' and 2'-3'.

Dvirka and Bartilucci CONSULTING ENGINEERS	**Project No.:** 3155-03 **Project Name:** IBM East Fishkill – B304	**Boring No.:** B-7 **Sheet** 1 **of** 1 . **By:** Paul Barusich
Drilling Contractor: Soil Test. Inc. **Driller:** Brian / Tyrone **Drill Rig:** Diedrich D-50 Turbo **Date Started:** 5/2/12	**Geologist:** Paul Barusich **Drilling Method:** HSA **Drive Hammer Weight:** N/A **Date Completed:** 5/2/12	**Boring Completion Depth:** 6' **Ground Surface Elevation:** --- **Boring Diameter:** 4"

Depth (ft.)	Soil Sample No.	Type	Blows Per 6"	Rec. "	PID Per 6" (ppm)	Sample Description
0-7.5"	1	CC	NA	7.5"	0.0	Concrete core.
2' – 4'	2	ST	N/A	N/A	N/A	Shelby Tube sampler utilized.
4' – 6'	3	ST	N/A	N/A	N/A	Shelby Tube sampler utilized.

Sample Types:
CC = Concrete Core
ST = Shelby Tube

NOTES:
No samples submitted from B-7.
Shelby Tube Intervals: 2'-4' and 4'-6'.

ATTACHMENT 3

LABORATORY CHAIN OF CUSTODY FORMS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO.
COC Number 026504

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: D+B
ADDRESS: 330 Crossways Park Dr.
CITY: Woodbury STATE: NY ZIP: 11797
ATTENTION: Ellen DeOrsay
PHONE: 516-364-9890 FAX: 516-364-9045

CLIENT PROJECT INFORMATION

PROJECT NAME: FBI Building 304
PROJECT NO.: 3155 LOCATION: E. Fishkill
PROJECT MANAGER: Ellen DeOrsay
e-mail: EdeOrsay@db-eng.com
PHONE: Same FAX: Same

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: SAME
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: DAYS *
HARD COPY: Standard DAYS *
EDD: DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ LEVEL 1: Results only
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☐ EDD Format:
☒ Others NYS Cat B

ANALYSIS

1 VOC EPA Method 8260B
2 PP Metals, EPA Method 6010
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PRESERVATIVES

COMMENTS

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	B-1 (9"-2')	Soil		X	4/30/12	1150	2	X	X							
2.	B-1 (2'-3.5')	Soil		X	4/30/12	1153	2	X	X							
3.	B-1 (4'-5.5')	Soil		X	4/30/12	1155	2	X	X							
4.	B-1 (6'-7.5')	Soil		X	4/30/12	1159	2	X	X							
5.	B-2 (8"-2')	Soil		X	4/30/12	1203	2	X	X							
6.	B-2 (2'-3.5')	Soil		X	4/30/12	1227	2	X	X							
7.	B-2 (4'-5')	Soil		X	4/30/12	1230	2	X	X							
8.	B-2 (6'-8')	Soil		X	4/30/12	1232	2	X	X							
9.																
10.																

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	5/3/12	1.
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:
3.		3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp.
Ice in Cooler?:

Page 1 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO.
COC Number 026505

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: DTB
ADDRESS: 330 Crossways Park Dr
CITY: Woodbury STATE: NY ZIP: 11797
ATTENTION: Ellen DeOrsay
PHONE: 516-364-9890 FAX: 516-364-9045

CLIENT PROJECT INFORMATION

PROJECT NAME: FBM Building 304
PROJECT NO.: 3155 LOCATION: E. Fishkill
PROJECT MANAGER: Ellen DeOrsay
e-mail: Edeorsay@db-eng.com
PHONE: same FAX: same

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: SAME
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: Standard DAYS *
EDD: _____ DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ LEVEL 1: Results only ☒ Others NYS Cat. B
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☐ EDD Format: _____

ANALYSIS

1 VOC EPA method 8260B
2 SVOC Metals, EPA method 6010
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CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	B-4 (9"-2')	Soil		X	4/30/12	1345	2	X	X								
2.	B-4 (2-3')	Soil		X	4/30/12	1348	2	X	X								
3.	B-3 (9"-2')	Soil		X	4/30/12	1447	2	X	X								
4.	B-3 (2'-3.5')	Soil		X	4/30/12	1450	2	X	X								
5.	B-3 (6'-7')	Soil		X	4/30/12	1455	2	X	X								
6.	B-5 (13"-2')	Soil		X	5/1/12	1030	2	X	X								
7.	B-5 (6'-7')	Soil		X	5/1/12	1126	2	X	X								
8.	B-6 (10"-2')	Soil		X	5/1/12	1155	2	X	X								
9.	B-6 (2'-3')	Soil		X	5/1/12	1210	2	X	X								
10.																	

PRESERVATIVES
COMMENTS
← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY: SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/3/12	1.
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:
3.		3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. _____
Ice in Cooler?: _____

Page 2 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☐ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

ATTACHMENT 4

TABULATED ANALYTICAL RESULTS

TABLE 1
INTERNATIONAL BUSINESS MACHINES CORPORATION
EAST FISHKILL FACILITY
PRE-CONSTRUCTION SOIL SAMPLING AND ANALYSIS B/304 DOCK APRON REPLACEMENT
SOIL SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

Sample Location	B-1	B-1	B-1	B-1	B-2	B-2	B-2	B-2	B-4	6 NYCRR 375-6.8(b) RESTRICTED USE SOIL CLEANUP OBJECTIVES INDUSTRIAL	TAGM 3028 SOIL/SEDIMENT CONTAINED-IN ACTION LEVELS
Sample Depth	9"-2'	2'-3.5'	4'-5.5'	6'-7.5'	8"-2'	2'-3.5'	4'-5'	6'-8'	9"-2'		
Date of Collection	4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1		
Units	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	1,000,000	7,000,000
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	UJ	U	--	3,200
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	--	11,000
1,1,2-Trichlorotrifluoroethane	U	U	U	U	U	U	U	U	U	--	--
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	480,000	7,800,000
1,1-Dichloroethene	U	U	U	U	U	U	U	U	U	1,000,000	1,100
1,2,3-Trichlorobenzene	UR	U	U	U	UR	UJ	UJ	UJ	UJ	--	--
1,2,4-Trichlorobenzene	UR	U	U	U	UR	U	UJ	U	UJ	--	780,000
1,2-Dibromo-3-Chloropropane	UR	U	U	U	UR	U	U	UJ	U	--	29
1,2-Dibromoethane	U	U	U	U	U	U	U	U	U	--	--
1,2-Dichlorobenzene	UR	U	U	U	UR	U	U	U	U	1,000,000	7,800,000
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	60,000	7,000
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	--	9,400
1,3-Dichlorobenzene	UR	U	U	U	UR	U	U	U	U	560,000	--
1,4-Dichlorobenzene	UR	U	U	U	UR	U	U	U	U	250,000	27,000
1,4-Dioxane	U	U	U	U	U	U	U	UJ	U	250,000	58,000
2-Butanone	U	U	U	U	U	U	U	U	U	1,000,000	47,000,000
2-Hexanone	U	U	U	U	U	U	U	UJ	U	--	--
4-Methyl-2-Pentanone	U	U	U	U	U	U	U	U	U	--	6,300,000
Acetone	37 J	26 J	25 J	62 J	74 J	50	U	13 J	28 J	1,000,000	7,800,000
Benzene	U	U	U	U	U	U	U	U	U	89,000	22,000
Bromochloromethane	U	U	U	U	U	U	U	U	U	--	--
Bromodichloromethane	U	U	U	U	U	U	U	U	U	--	10,000
Bromoform	U	U	U	U	U	UJ	UJ	UJ	UJ	--	81,000
Bromomethane	U	U	U	U	U	U	UJ	UJ	UJ	--	110,000
Carbon Disulfide	U	U	U	U	U	U	U	U	U	--	7,800,000
Carbon Tetrachloride	U	U	U	U	U	U	U	U	U	44,000	4,900
Chlorobenzene	U	U	U	U	U	U	U	U	U	1,000,000	1,600,000
Chloroethane	U	U	U	U	U	UJ	U	U	U	--	49,000
Chloroform	U	U	U	U	U	U	U	U	U	700,000	100,000
Chloromethane	U	U	U	U	U	U	U	U	U	--	49,000
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	1,000,000	780,000
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	--	--
Cyclohexane	U	U	U	U	U	U	U	U	U	--	--
Dibromochloromethane	U	U	U	U	U	U	UJ	U	UJ	--	7,600
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	--	16,000,000
Ethyl Benzene	U	U	U	U	U	U	U	U	U	780,000	7,800,000
Isopropylbenzene	U	U	U	U	U	U	U	U	U	--	3,100,000
m/p-Xylenes	U	U	U	U	U	U	U	U	U	1,000,000	160,000,000
Methyl Acetate	U	U	U	U	U	U	U	U	U	--	--
Methyl tert-butyl Ether	U	U	U	U	U	U	U	U	U	1,000,000	--
Methylcyclohexane	U	U	U	U	U	U	U	U	U	--	--
Methylene Chloride	U	U	U	U	U	U	U	U	U	1,000,000	85,000
o-Xylene	U	U	U	U	U	U	U	U	U	1,000,000	160,000,000
Styrene	U	U	U	U	U	U	U	U	U	--	21,000
t-1,3-Dichloropropene	U	U	U	U	U	U	U	UJ	U	--	--
Tetrachloroethene	U	U	U	U	U	U	U	UJ	U	300,000	12,000
Toluene	U	U	U	U	U	U	U	U	U	1,000,000	16,000,000
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	1,000,000	1,600,000
Trichloroethene	U	U	U	U	U	U	U	U	U	400,000	58,000
Trichlorofluoromethane	U	U	U	U	U	U	U	U	U	--	23,000,000
Vinyl Chloride	U	U	U	U	U	UJ	UJ	U	UJ	27,000	340
Total Volatile Organic Compounds	37	26	25	62	74	130	0	36	28	--	--

Notes:
U: Compound analyzed for but not detected
J: Estimated value
R: Unusable value
UJ: Estimated detection limit

TABLE 1 (continued)
INTERNATIONAL BUSINESS MACHINES CORPORATION
EAST FISHKILL FACILITY
PRE-CONSTRUCTION SOIL SAMPLING AND ANALYSIS B/304 DOCK APRON REPLACEMENT
SOIL SAMPLING RESULTS
VOLATILE ORGANIC COMPOUNDS

Sample Location	B-4	B-3	B-3	B-3	B-5	B-5	B-6	B-6		6 NYCRR 375-6.8(b)	TAGM 3028
Sample Depth	2'-3'	9"-2'	2'-3.5'	6'-7'	13"-2'	6'-7'	10"-2'	2'-3'		RESTRICTED USE	SOIL/SEDIMENT
Date of Collection	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012		SOIL CLEANUP	CONTAINED-IN
Dilution Factor	1	1	1	1	1	1	1	1		OBJECTIVES	ACTION LEVELS
Units	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)		(ug/kg)	(ug/kg)
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U		1,000,000	7,000,000
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U		--	3,200
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U		--	11,000
1,1,2-Trichlorotrifluoroethane	U	U	U	U	U	U	U	U		--	--
1,1-Dichloroethane	U	U	U	U	U	U	U	U		480,000	7,800,000
1,1-Dichloroethene	U	U	U	U	U	U	U	U		1,000,000	1,100
1,2,3-Trichlorobenzene	UJ	UJ	UJ	UJ	UJ	U	UJ	UJ		--	--
1,2,4-Trichlorobenzene	UJ	UJ	UJ	UJ	UJ	U	UJ	UJ		--	780,000
1,2-Dibromo-3-Chloropropane	U	U	U	U	U	U	U	U		--	29
1,2-Dibromoethane	U	U	U	U	U	U	U	U		--	--
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U		1,000,000	7,800,000
1,2-Dichloroethane	U	U	U	U	U	U	U	U		60,000	7,000
1,2-Dichloropropane	U	U	U	U	U	U	U	U		--	9,400
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U		560,000	--
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U		250,000	27,000
1,4-Dioxane	U	U	U	U	U	U	U	U		250,000	58,000
2-Butanone	U	U	U	U	U	U	U	U		1,000,000	47,000,000
2-Hexanone	U	U	U	U	U	U	U	U		--	--
4-Methyl-2-Pentanone	U	U	U	U	U	U	U	U		--	6,300,000
Acetone	18 J	25 J	15 J	17 J	56	U	40	20 J		1,000,000	7,800,000
Benzene	U	U	U	U	U	U	U	U		89,000	22,000
Bromochloromethane	U	U	U	U	U	U	U	U		--	--
Bromodichloromethane	U	U	U	U	U	U	U	U		--	10,000
Bromoform	UJ	UJ	UJ	UJ	U	U	UJ	UJ		--	81,000
Bromomethane	UJ	UJ	UJ	UJ	U	U	UJ	UJ		--	110,000
Carbon Disulfide	U	U	U	U	U	U	U	U		--	7,800,000
Carbon Tetrachloride	U	U	U	U	U	U	U	U		44,000	4,900
Chlorobenzene	U	U	U	U	U	U	U	U		1,000,000	1,600,000
Chloroethane	U	U	U	U	U	U	U	U		--	49,000
Chloroform	U	U	U	U	U	U	U	U		700,000	100,000
Chloromethane	U	U	U	U	U	U	U	U		--	49,000
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	U		1,000,000	780,000
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U		--	--
Cyclohexane	U	U	U	U	U	U	U	U		--	--
Dibromochloromethane	UJ	UJ	UJ	UJ	UJ	U	UJ	UJ		--	7,600
Dichlorodifluoromethane	U	U	U	U	U	U	U	U		--	16,000,000
Ethyl Benzene	U	U	U	U	9.3	U	U	U		780,000	7,800,000
Isopropylbenzene	U	U	U	U	U	U	U	U		--	3,100,000
m/p-Xylenes	U	U	U	U	34	U	U	U		1,000,000	160,000,000
Methyl Acetate	U	U	U	U	U	U	U	U		--	--
Methyl tert-butyl Ether	U	U	U	U	U	U	U	U		1,000,000	--
Methylcyclohexane	U	U	U	U	U	U	U	U		--	--
Methylene Chloride	U	U	U	U	U	U	U	U		1,000,000	85,000
o-Xylene	U	U	U	U	11	U	U	U		1,000,000	160,000,000
Styrene	U	U	U	U	U	U	U	U		--	21,000
t-1,3-Dichloropropene	U	U	U	U	U	U	U	U		--	--
Tetrachloroethene	U	U	U	U	U	U	U	U		300,000	12,000
Toluene	U	U	U	U	19	U	U	U		1,000,000	16,000,000
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U		1,000,000	1,600,000
Trichloroethene	U	U	U	U	U	U	U	U		400,000	58,000
Trichlorofluoromethane	U	U	U	U	U	U	U	U		--	23,000,000
Vinyl Chloride	UJ	UJ	UJ	UJ	UJ	U	UJ	UJ		27,000	340
Total Volatile Organic Compounds	18	25	15	17	129.3	0	40	20		--	--

Notes:
U: Compound analyzed for but not detected
UJ: Estimated detection limit
J: Estimated value

TABLE 2
INTERNATIONAL BUSINESS MACHINES CORPORATION
EAST FISHKILL FACILITY
PRE-CONSTRUCTION SOIL SAMPLING AND ANALYSIS B/304 DOCK APRON REPLACEMENT
SOIL SAMPLING RESULTS
PRIORITY POLLUTANT METALS

Sample Location	B-1	B-1	B-1	B-1	B-2	B-2	B-2	B-2	B-4	6 NYCRR 375-6.8(b) RESTRICTED USE SOIL CLEANUP OBJECTIVES INDUSTRIAL	TAGM 3028 SOIL/SEDIMENT CONTAINED-IN ACTION LEVELS
Sample Depth	9"-2'	2'-3.5'	4'-5.5'	6'-7.5'	8"-2'	2'-3.5'	4'-5'	6'-8'	9"-2'		
Date of Collection	4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012	4/30/2012		
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
Units	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Antimony	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	--	31.0
Arsenic	***4.98***	***10.4***	***8.38***	***9.71***	***7.46***	***4.91***	***9.59***	***6.11***	***7.72***	16	0.4
Beryllium	***0.48 J-***	***0.24 J-***	***0.24 J-***	***0.4 J-***	***0.37 J-***	***0.49 J-***	***0.33 J-***	***0.36 J-***	***0.31 J-***	2,700	0.15
Cadmium	1.03 J	0.58 J	0.49 J	1.93 J	1.17 J	0.94 J	1.22 J	0.64 J	0.98 J	60	78.0
Chromium	10.2 J	11.8 J	8.55 J	15.3 J	10.6 J	9.58 J	11 J	9.19 J	9.27 J	6,800	--
Copper	8.1	19.7	23.3	27.4	13.2	9.2	27.4	10.6	17.4	10,000	--
Lead	10.5	12.3	11.3	12.8	14.9	14.4	13.6	13.9	14.4	3,900	400
Mercury	0.017	0.045	0.023	0.017	0.049	0.027	0.022	0.047	0.041	5.7	23
Nickel	15.4	16.4	20.8	29	17.3	15	25.7	14.8	17.9	10,000	1,600
Selenium	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ	6,800	390
Silver	U	U	U	U	U	U	U	U	U	6,800	390
Thallium	U	U	U	U	U	U	U	U	U	--	7.8
Zinc	36.3 J+	34.7 J+	46.7 J+	58.8 J+	44.1 J+	36.9 J+	58.7 J+	38.9 J+	44.2 J+	10,000	23,000

Notes:
U: Compound analyzed for but not detected
J: Estimated value
J-: Estimated low
J+: Estiamted high

:Exceeds TAGM 3028 Contained-in Action Level

UJ: Estimated detection limit

TABLE 2
INTERNATIONAL BUSINESS MACHINES CORPORATION
EAST FISHKILL FACILITY
PRE-CONSTRUCTION SOIL SAMPLING AND ANALYSIS B/304 DOCK APRON REPLACEMENT
SOIL SAMPLING RESULTS
PRIORITY POLLUTANT METALS

Sample Location	B-4	B-3	B-3	B-3	B-5	B-5	B-6	B-6		6 NYCRR 375-6.8(b)	TAGM 3028
Sample Depth	2'-3'	9"-2'	2'-3.5'	6'-7'	13"-2'	6'-7'	10"-2'	2'-3'		RESTRICTED USE	SOIL/SEDIMENT
Date of Collection	4/30/2012	4/30/2012	4/30/2012	4/30/2012	5/1/2012	5/1/2012	5/1/2012	5/1/2012		SOIL CLEANUP	CONTAINED-IN
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		OBJECTIVES	ACTION LEVELS
Units	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		(mg/kg)	(mg/kg)
Antimony	UJ	UJ	UJ	UJ	0.68 J	1.11 J	UJ	0.92 J		--	31.0
Arsenic	***9.74***	***8.16***	***7.81***	***8.56***	***7.83***	***4.06***	***11.6***	***15.5***		16	0.4
Beryllium	***0.26 J-***	***0.44 J-***	***0.38 J-***	***0.3 J-***	***0.24 J-***	***0.23 J-***	***0.8 J-***	***0.37 J-***		2,700	0.15
Cadmium	1.41 J	1.64 J	1.05 J	1.53 J	1.69 J	0.66 J	2.39 J	1.05 J		60	78.0
Chromium	12.8 J	12.5 J	11.1 J	10.9 J	27.1 J	UJ	12.4 J	2.29 J		6,800	--
Copper	29.5	17	16.5	21.3	410	6.59	21.7	15.5		10,000	--
Lead	16	18.1	15.6	14	15.7	3.67	17.3	9.51		3,900	400
Mercury	0.032	0.039	0.041	0.03	0.018	0.003 J	0.081	0.013		5.7	23
Nickel	26	22	18.5	21.8	72.5	5.39	22.9	14.9		10,000	1,600
Selenium	UJ	UJ	UJ	UJ	UJ	UJ	UJ	UJ		6,800	390
Silver	U	U	U	U	U	U	U	U		6,800	390
Thallium	U	U	U	U	U	U	U	U		--	7.8
Zinc	61.9 J+	51 J+	45.8 J+	51.5 J+	298 J+	12.1 J+	38.6 J+	10.8 J+		10,000	23,000

Notes:
U: Compound analyzed for but not detected
J: Estimated value
J-: Estimated low
J+: Estimated high

:Exceeds TAGM 3028 Contained-in Action Level

UJ: Estimated detection limit

ATTACHMENT 5

LABORATORY DATA PACKAGE

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

ANALYTICAL RESULTS
SUMMARY

PROJECT NAME : PV6256, IBM EAST FISHKILL

DVIRKA & BARTILUCCI
330 Crossways Park Drive

Woodbury , NY - 11797
Phone No: 516-364-9890

ORDER ID : **D2546**
ATTENTION : **Ellen DeOrsay**

ACCREDITED IN ACCORDANCE WITH nelac
D2546

DoD ELAP

CHEMTECH 284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Cover Page

Order ID : D2546

Project ID : PV6256, IBM East Fishkill

Client : Dvirka & Bartilucci

Lab Sample Number	Client Sample Number
D2546-01	B-1(9-2)
D2546-02	B-1(2-3.5)
D2546-03	B-1(4-5.5)
D2546-04	B-1(6-7.5)
D2546-05	B-2(8-2)
D2546-06	B-2(2-3.5)
D2546-07	B-2(4-5)
D2546-08	B-2(6-8)
D2546-09	B-4(9-2)
D2546-10	B-4(2-3)
D2546-11	B-3(9-2)
D2546-12	B-3(2-3.5)
D2546-13	B-3(6-7)
D2546-14	B-5(13-2)
D2546-15	B-5(6-7)
D2546-16	B-6(10-2)
D2546-17	B-6(2-3)

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : Mildred V Reyes

Mildred V. Reyes, QA/QC Supervisor
2012.06.01 16:40:46 -05'00'

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
B-1(9-2)	D2546-01	8260C				6010B, 7471A	Chemtech -SOP
B-1(2-3.5)	D2546-02	8260C				6010B, 7471A	Chemtech -SOP
B-1(4-5.5)	D2546-03	8260C				6010B, 7471A	Chemtech -SOP
B-1(6-7.5)	D2546-04	8260C				6010B, 7471A	Chemtech -SOP
B-2(8-2)	D2546-05	8260C				6010B, 7471A	Chemtech -SOP
B-2(2-3.5)	D2546-06	8260C				6010B, 7471A	Chemtech -SOP
B-2(4-5)	D2546-07	8260C				6010B, 7471A	Chemtech -SOP
B-2(6-8)	D2546-08	8260C				6010B, 7471A	Chemtech -SOP
B-4(9-2)	D2546-09	8260C				6010B, 7471A	Chemtech -SOP
B-4(2-3)	D2546-10	8260C				6010B, 7471A	Chemtech -SOP
B-3(9-2)	D2546-11	8260C				6010B, 7471A	Chemtech -SOP
B-3(2-3.5)	D2546-12	8260C				6010B, 7471A	Chemtech -SOP
B-3(6-7)	D2546-13	8260C				6010B, 7471A	Chemtech -SOP
B-5(13-2)	D2546-14	8260C				6010B, 7471A	Chemtech -SOP
B-5(6-7)	D2546-15	8260C				6010B, 7471A	Chemtech -SOP
B-6(10-2)	D2546-16	8260C				6010B, 7471A	Chemtech -SOP
B-6(2-3)	D2546-17	8260C				6010B, 7471A	Chemtech -SOP

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY SEMIVOLATILE (BNA) ANALYSES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
D2546-01	SOIL	04/30/12	05/03/12		05/12/12
D2546-02	SOIL	04/30/12	05/03/12		05/12/12
D2546-03	SOIL	04/30/12	05/03/12		05/12/12
D2546-04	SOIL	04/30/12	05/03/12		05/12/12
D2546-05	SOIL	04/30/12	05/03/12		05/12/12
D2546-06	SOIL	04/30/12	05/03/12		05/12/12
D2546-07	SOIL	04/30/12	05/03/12		05/13/12
D2546-08	SOIL	04/30/12	05/03/12		05/13/12
D2546-09	SOIL	04/30/12	05/03/12		05/13/12
D2546-10	SOIL	04/30/12	05/03/12		05/13/12
D2546-11	SOIL	04/30/12	05/03/12		05/13/12
D2546-12	SOIL	04/30/12	05/03/12		05/13/12
D2546-13	SOIL	04/30/12	05/03/12		05/13/12
D2546-14	SOIL	05/01/12	05/03/12		05/13/12
D2546-15	SOIL	05/01/12	05/03/12		05/13/12
D2546-16	SOIL	05/01/12	05/03/12		05/13/12
D2546-17	SOIL	05/01/12	05/03/12		05/13/12

* Details For Test :VOC-TCLVOA-10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY
MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D2546-01	Solid	8260C	5035		
D2546-02	Solid	8260C	5035		
D2546-03	Solid	8260C	5035		
D2546-04	Solid	8260C	5035		
D2546-05	Solid	8260C	5035		
D2546-06	Solid	8260C	5035		
D2546-07	Solid	8260C	5035		
D2546-08	Solid	8260C	5035		
D2546-09	Solid	8260C	5035		
D2546-10	Solid	8260C	5035		
D2546-11	Solid	8260C	5035		
D2546-12	Solid	8260C	5035		
D2546-13	Solid	8260C	5035		
D2546-14	Solid	8260C	5035		
D2546-15	Solid	8260C	5035		
D2546-16	Solid	8260C	5035		
D2546-17	Solid	8260C	5035		

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
D2546-01	SOIL	Mercury	05/03/12	05/14/12	05/15/12
D2546-02	SOIL	Mercury	05/03/12	05/14/12	05/15/12
D2546-03	SOIL	Mercury	05/03/12	05/14/12	05/15/12
D2546-04	SOIL	Mercury	05/03/12	05/14/12	05/15/12
D2546-05	SOIL	Mercury	05/03/12	05/14/12	05/15/12
D2546-06	SOIL	Mercury	05/03/12	05/14/12	05/15/12
D2546-07	SOIL	Mercury	05/03/12	05/14/12	05/15/12
D2546-08	SOIL	Mercury	05/03/12	05/14/12	05/15/12
D2546-09	SOIL	Mercury	05/03/12	05/14/12	05/15/12
D2546-10	SOIL	Mercury	05/03/12	05/14/12	05/15/12
D2546-11	SOIL	Mercury	05/03/12	05/14/12	05/15/12
D2546-12	SOIL	Mercury	05/03/12	05/14/12	05/15/12
D2546-13	SOIL	Mercury	05/03/12	05/14/12	05/15/12
D2546-14	SOIL	Mercury	05/03/12	05/14/12	05/15/12
D2546-15	SOIL	Mercury	05/03/12	05/14/12	05/15/12
D2546-16	SOIL	Mercury	05/03/12	05/14/12	05/15/12
D2546-17	SOIL	Mercury	05/03/12	05/14/12	05/15/12

* Details For Test :Mercury

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY INORGANIC ANALYSES

Laboratory Sample ID	Matrix	Metals Requested	Date Rec'd at Lab	Date Digested	Date Analyzed
D2546-01	SOIL	Metals ICP-PP	05/03/12	05/09/12	05/14/12
D2546-02	SOIL	Metals ICP-PP	05/03/12	05/09/12	05/14/12
D2546-03	SOIL	Metals ICP-PP	05/03/12	05/09/12	05/14/12
D2546-04	SOIL	Metals ICP-PP	05/03/12	05/09/12	05/14/12
D2546-05	SOIL	Metals ICP-PP	05/03/12	05/09/12	05/14/12
D2546-06	SOIL	Metals ICP-PP	05/03/12	05/09/12	05/14/12
D2546-07	SOIL	Metals ICP-PP	05/03/12	05/09/12	05/14/12
D2546-08	SOIL	Metals ICP-PP	05/03/12	05/09/12	05/14/12
D2546-09	SOIL	Metals ICP-PP	05/03/12	05/09/12	05/14/12
D2546-10	SOIL	Metals ICP-PP	05/03/12	05/09/12	05/14/12
D2546-11	SOIL	Metals ICP-PP	05/03/12	05/09/12	05/14/12
D2546-12	SOIL	Metals ICP-PP	05/03/12	05/09/12	05/14/12
D2546-13	SOIL	Metals ICP-PP	05/03/12	05/09/12	05/14/12
D2546-14	SOIL	Metals ICP-PP	05/03/12	05/09/12	05/14/12
D2546-15	SOIL	Metals ICP-PP	05/03/12	05/09/12	05/14/12
D2546-16	SOIL	Metals ICP-PP	05/03/12	05/09/12	05/14/12
D2546-17	SOIL	Metals ICP-PP	05/03/12	05/09/12	05/14/12

* Details For Test :Metals ICP-PP

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. D2546
QUOTE NO.
COC Number 026504

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: DHB
ADDRESS: 330 Crossways Park Dr.
CITY: Woodbury STATE: NY ZIP: 11797
ATTENTION: Ellen DeOrsay
PHONE: 516-364-9840 FAX: 516-364-9045

CLIENT PROJECT INFORMATION

PROJECT NAME: FBM- Building 304
PROJECT NO.: 3155 LOCATION: E. Fishkill
PROJECT MANAGER: Ellen DeOrsay
e-mail: Edeorsay@dh-eng.com
PHONE: Same FAX: Same

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: SAME
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: DAYS *
HARD COPY: Standard DAYS *
EDD: DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ LEVEL 1: Results only
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☐ EDD Format:
☒ Others NYS Cat B

ANALYSIS

1 VOC EPA Method 8260B
2 8 RP Metals, EPA Method 6C
3
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8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	B-1 (9"-2')	Soil		X	4/30/12	1150	2	X	X								
2.	B-1 (2'-3.5')	Soil		X	4/30/12	1153	2	X	X								
3.	B-1 (4'-5.5')	Soil		X	4/30/12	1155	2	X	X								
4.	B-1 (6'-7.5')	Soil		X	4/30/12	1159	2	X	X								
5.	B-2 (8"-2')	Soil		X	4/30/12	1223	2	X	X								
6.	B-2 (2'-3.5')	Soil		X	4/30/12	1227	2	X	X								
7.	B-2 (4'-5')	Soil		X	4/30/12	1230	2	X	X								
8.	B-2 (6'-8')	Soil		X	4/30/12	1232	2	X	X								
9.																	
10.																	

PRESERVATIVES: 1 2 3 4 5 6 7 8 9

COMMENTS: ← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.		5/3/12 5:40 PM	1.
2.	RELINQUISHED BY	DATE/TIME:	RECEIVED BY: 2.
3.	RELINQUISHED BY	DATE/TIME: 2005 5-3-12	RECEIVED FOR LAB BY: 3.

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 5 C
Ice in Cooler?: Yes

Page 1 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☒ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO

D2546
Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. D2546
QUOTE NO.
COC Number 026505

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: DTB
ADDRESS: 330 Crossways Park Dr
CITY: Woodbury STATE: NY ZIP: 11797
ATTENTION: Ellen DeOrsay
PHONE: 516-364-9890 FAX: 516-364-9045

CLIENT PROJECT INFORMATION

PROJECT NAME: FBM- Building 304
PROJECT NO.: 3155 LOCATION: E. Fishkill
PROJECT MANAGER: Ellen DeOrsay
e-mail: Edeorsay@db-eng.com
PHONE: same FAX: same

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: SAME
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: DAYS *
HARD COPY: Standard DAYS *
EDD: DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ LEVEL 1: Results only
☒ Others NYS Cat. B
☐ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☐ EDD Format:

ANALYSIS

1 VOC EPA method 8260B
2 TAL Metals, EPA method 6010
3 4 5 6 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION (Ke 5/4/12)	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	9. B-4 (9"-2')	Soil		X	4/30/12	1345	2	X	X								
2.	10. B-4 (2-3')	Soil		X	4/30/12	1348	2	X	X								
3.	11. B-3 (9"-2')	Soil		X	4/30/12	1447	2	X	X								
4.	12. B-3 (2'-3.5')	Soil		X	4/30/12	1450	2	X	X								
5.	13. B-3 (6'-7')	Soil		X	4/30/12	1455	2	X	X								
6.	14. B-5 (13"-2')	Soil		X	5/1/12	1030	2	X	X								
7.	15. B-5 (6'-7')	Soil		X	5/1/12	1126	2	X	X								
8.	16. B-6 (10"-2')	Soil		X	5/1/12	1155	2	X	X								
9.	17 B-6 (2'-3')	Soil		X	5/1/12	1210	2	X	X								
10.																	

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/3/12 1540	1.
RELINQUISHED BY	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME: 2005 5-3-12	RECEIVED FOR LAB BY:
3.		3.

Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:

Cooler Temp. 5°C
Ice in Cooler?: YES

Page 2 of 2

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☑ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

D2546
Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH

CASE NARRATIVE

Dvirka & Bartilucci
Project Name: PV6256, IBM East Fishkill
Project # N/A
Chemtech Project # D2546
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
17 Solid samples were received on 05/03/2012.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-PP, METALS-PP and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_F were done using GC column RTX-VMS, which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by Supelco, VOCARB 3000, Tekmar 2000 Concentrator.The analysis performed on instrument MSVOA_K were done using GC column RXI-624SIL MS 30m 0.25mm 1.4um 872456The analysis of VOC-TCLVOA-10 was based on method 8260C.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for SEC-SB-08(6-8)MS [1,2-Dichloroethane-d4 - 121%], SEC-SB-08(6-8)MSD [1,2-Dichloroethane-d4 - 122%], B-1(9-2) [1,2-Dichloroethane-d4 - 125%], B-1(9-2)RE [1,2-Dichloroethane-d4 - 132%], B-1(2-3.5) [1,2-Dichloroethane-d4 - 126%], B-1(2-3.5)RE [1,2-Dichloroethane-d4 - 134%], B-1(4-5.5) [1,2-Dichloroethane-d4 - 123%], B-1(4-5.5)RE [1,2-Dichloroethane-d4 - 135%], B-1(6-7.5) [1,2-Dichloroethane-d4 - 122%], B-1(6-7.5)RE [1,2-Dichloroethane-d4 - 143%], B-2(8-2) [1,2-Dichloroethane-d4 - 128%], B-2(8-2)RE [1,2-Dichloroethane-d4 - 136%], B-2(2-3.5) [1,2-Dichloroethane-d4 - 133%], B-2(4-5)RE [1,2-Dichloroethane-d4 - 123%], B-2(6-8)RE [1,2-Dichloroethane-d4 - 128%], B-4(9-2)RE [1,2-Dichloroethane-d4 - 129%], B-4(2-3)RE [1,2-Dichloroethane-d4 - 125%], B-3(9-2)RE [1,2-Dichloroethane-d4 - 128%], B-3(2-3.5)RE [1,2-Dichloroethane-d4 - 133%], B-3(6-7)RE [1,2-Dichloroethane-d4 - 128%], B-5(13-2)RE [1,2-Dichloroethane-d4 - 141%, Dibromofluoromethane - 44%], B-6(10-2)RE [1,2-Dichloroethane-d4 - 141%], B-6(2-3)RE [1 and2-Dichloroethane-d4 - 138%].
The Internal Standards Areas met the acceptable requirements except for B-1(9-2)RE, B-1(6-7.5)RE, B-2(8-2)RE, B-2(6-8), B-3(9-2)RE, B-3(2-3.5)RE, B-5(6-7), B-5(6-7)RE, B-1(9-2), B-2(8-2) and B-2(2-3.5).
The Retention Times were acceptable for all samples.

The MS {D2513-11MS} with File ID: VF033266.D recoveries met the requirements for all compounds except for Bromomethane[191%], Chloroethane[221%] and Vinyl chloride[191%] .
The MSD {D2513-12MSD} with File ID: VF033267.D recoveries met the acceptable requirements except for Bromomethane[206%], Chloroethane[206%] and Vinyl chloride[191%] .
The RPD recoveries met criteria .
The Blank Spike met requirements for all samples except Chloroethane[55%] and 1,2,3-Trichlorobenzene [125%].
The Blank Spike for {BSF0514S1} with File ID: VF033215.D met requirements for all samples except for Chloroethane[60%], Vinyl chloride[65%] .
The Blank Spike for {BSF0515S1} with File ID: VF033250.D met requirements for all samples except for 1,1,2-Trichloroethane[140%], 1,2-Dibromo-3-Chloropropane[135%], 1,2-Dibromoethane[135%], 2-Butanone[140%], 2-Hexanone[170%], 4-Methyl-2-Pentanone[160%], Benzene[125%], Dibromochloromethane[130%], Methyl tert-butyl Ether[125%] and t-1,3-Dichloropropene[135%] .
The Blank Spike Duplicate met requirements for all samples .The Blank Spike for {BSK0513S1} with File ID: VK048308.D met requirements for all samples except for 1,2,3-Trichlorobenzene[70%], 1,2-Dibromo-3-Chloropropane[65%], 2-Hexanone[67%] and Tetrachloroethene[140%] .
The %RSD is greater than 15% in the Initial Calibration (Method 82F051012S.M) for Bromochloromethane , Methylene Chloride, Chloroethane and Bromomethane are passing on Quadratic regression.
The %RSD is greater than 15% in the Initial Calibration (Method 82F051512S.M) for Bromochloromethane is passing on linear regression and Bromomethane is passing on Quadratic regression.
The %RSD is greater than 15% in the Initial Calibration (Method 82K051112S.M) for Acetone,Bromomethane,Carbon TetrachlorideMethylene Chloride, t-1,3-Dichloropropene and cis-1,3-Dichloropropene compounds are passing on Quadratic regression and ,2-Hexanone & Bromoform compounds are passing on linear regression.
The Initial Calibration verfiction for file ID: VF033248.D met the requirements except for Bromomethane .
The Continuous Calibration File ID VF033157.D met the requirements except for 1,2,3-Trichlorobenzene,1,2,4-Trichlorobenzene,Bromoform,Bromochloromethane,Chloromethane,Dibromochloromethane and Vinyl Chloride .
The Continuous Calibration File ID VF033213.D met the requirements except for Bromoform,Bromochloromethane,Chloromethane,Vinyl Chloride and 1,2,3-Trichlorobenzene .
The Continuous Calibration File ID VK048306.D met the requirements except for 1,1,2,2-Tetrachloroethane,1,2-Dibromo-3-Chloropropane,1,4-Dioxane,2-Hexanone,1,2,3-Trichlorobenzene,Chloroethane and Tetrachloroethene .
The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.
Compounds #3,4,28 (Chloromethane, Vinyl Chloride & Bromochloromethane)failing low in CCC(VF033157.D) which is associated with D2546.
Compounds #3,4,28 (Chloromethane, Vinyl Chloride & Bromochloromethane) failing low in CCC(VF033213.D) which is associated with D2546
Compounds #58,74,91,95(2-Hexanone, 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-Chloropropan & 1,2,3-Trichlorobenzene) failing low in CCC(VK048306.D) which is associated with D2546.but samples are being analysed for surrogate failure.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature M Mildred V Reyes Mildred V. Reyes, QA/QC Supervisor 2012.06.01 16:40:34 -05'00'

CHEMTECH

CASE NARRATIVE

Dvirka & Bartilucci
Project Name: PV6256, IBM East Fishkill
Project # N/A
Chemtech Project # D2546
Test Name: Mercury,Metals ICP-PP

A. Number of Samples and Date of Receipt:
17 Solid samples were received on 05/03/2012.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-PP, METALS-PP and VOC-TCLVOA-10. This data package contains results for Mercury,Metals ICP-PP.

C. Analytical Techniques:
The analysis of Metals ICP-PP was based on method 6010B, digestion based on method 3050 (soils). The analysis of Mercury was based on method 7471A and digestion was based on method 7471B (soils).

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples except for Cadmium.
The Matrix Spike analysis met criteria for all samples except for Antimony, Beryllium & Selenium.
The Matrix Spike Duplicate analysis met criteria for all samples except for Zinc, Antimony, Beryllium & Selenium.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met criteria for all samples except for Chromium and Zinc.

E. Additional Comments:

CRI01 is failing for Arsenic

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature Mildred V Reyes Mildred V. Reyes, QA/QC Supervisor
2012.06.01 16:39:58 -05'00'

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(9-2)	SDG No.:	D2546
Lab Sample ID:	D2546-01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	21
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048299.D	1		05/12/12	VK051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3.15	U	0.82	3.15	6.3	ug/Kg
74-87-3	Chloromethane	3.15	U	1.1	3.15	6.3	ug/Kg
75-01-4	Vinyl Chloride	3.15	U	1.6	3.15	6.3	ug/Kg
74-83-9	Bromomethane	3.15	U	3.1	3.15	6.3	ug/Kg
75-00-3	Chloroethane	3.15	U	1.8	3.15	6.3	ug/Kg
75-69-4	Trichlorofluoromethane	3.15	U	1.7	3.15	6.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.15	U	1.7	3.15	6.3	ug/Kg
75-35-4	1,1-Dichloroethene	3.15	U	1.9	3.15	6.3	ug/Kg
67-64-1	Acetone	37		3.8	16	32	ug/Kg
75-15-0	Carbon Disulfide	3.15	U	1.3	3.15	6.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.15	U	1.2	3.15	6.3	ug/Kg
79-20-9	Methyl Acetate	3.15	U	1.9	3.15	6.3	ug/Kg
75-09-2	Methylene Chloride	3.15	U	1.8	3.15	6.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.15	U	0.87	3.15	6.3	ug/Kg
75-34-3	1,1-Dichloroethane	3.15	U	1.2	3.15	6.3	ug/Kg
110-82-7	Cyclohexane	3.15	U	1.3	3.15	6.3	ug/Kg
78-93-3	2-Butanone	16	U	3.9	16	32	ug/Kg
56-23-5	Carbon Tetrachloride	3.15	U	1.3	3.15	6.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.15	U	1.1	3.15	6.3	ug/Kg
74-97-5	Bromochloromethane	3.15	U	1	3.15	6.3	ug/Kg
67-66-3	Chloroform	3.15	U	0.94	3.15	6.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.15	U	1.1	3.15	6.3	ug/Kg
108-87-2	Methylcyclohexane	3.15	U	1.3	3.15	6.3	ug/Kg
71-43-2	Benzene	3.15	U	0.48	3.15	6.3	ug/Kg
107-06-2	1,2-Dichloroethane	3.15	U	0.81	3.15	6.3	ug/Kg
79-01-6	Trichloroethene	3.15	U	1.1	3.15	6.3	ug/Kg
78-87-5	1,2-Dichloropropane	3.15	U	0.33	3.15	6.3	ug/Kg
75-27-4	Bromodichloromethane	3.15	U	0.78	3.15	6.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	16	U	3.7	16	32	ug/Kg
108-88-3	Toluene	3.15	U	0.81	3.15	6.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.15	U	1	3.15	6.3	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(9-2)	SDG No.:	D2546
Lab Sample ID:	D2546-01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	21
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048299.D	1		05/12/12	VK051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3.15	U	0.91	3.15	6.3	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.15	U	1.1	3.15	6.3	ug/Kg
591-78-6	2-Hexanone	16	U	5	16	32	ug/Kg
124-48-1	Dibromochloromethane	3.15	U	0.68	3.15	6.3	ug/Kg
106-93-4	1,2-Dibromoethane	3.15	U	0.81	3.15	6.3	ug/Kg
127-18-4	Tetrachloroethene	3.15	U	1.3	3.15	6.3	ug/Kg
108-90-7	Chlorobenzene	3.15	U	0.63	3.15	6.3	ug/Kg
100-41-4	Ethyl Benzene	3.15	U	0.78	3.15	6.3	ug/Kg
179601-23-1	m/p-Xylenes	6.5	U	0.91	6.5	13	ug/Kg
95-47-6	o-Xylene	3.15	U	0.86	3.15	6.3	ug/Kg
100-42-5	Styrene	3.15	U	0.57	3.15	6.3	ug/Kg
75-25-2	Bromoform	3.15	U	0.94	3.15	6.3	ug/Kg
98-82-8	Isopropylbenzene	3.15	U	0.61	3.15	6.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.15	U	0.58	3.15	6.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.15	U	0.47	3.15	6.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.15	U	0.52	3.15	6.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.15	U	0.78	3.15	6.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.15	U	1.1	3.15	6.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.15	U	0.89	3.15	6.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.15	U	0.63	3.15	6.3	ug/Kg
123-91-1	1,4-Dioxane	65	U	65	65	130	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	62.7	*	56 - 120		125%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		57 - 135		104%	SPK: 50
2037-26-5	Toluene-d8	50.1		67 - 123		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48		33 - 141		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	144438	6.54				
540-36-3	1,4-Difluorobenzene	297107	7.69				
3114-55-4	Chlorobenzene-d5	255848	10.74				
3855-82-1	1,4-Dichlorobenzene-d4	78429	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(9-2)	SDG No.:	D2546
Lab Sample ID:	D2546-01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	21
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048299.D	1		05/12/12	VK051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(9-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-01RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	21
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048321.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3.15	U	0.82	3.15	6.3	ug/Kg
74-87-3	Chloromethane	3.15	U	1.1	3.15	6.3	ug/Kg
75-01-4	Vinyl Chloride	3.15	U	1.5	3.15	6.3	ug/Kg
74-83-9	Bromomethane	3.15	U	3.1	3.15	6.3	ug/Kg
75-00-3	Chloroethane	3.15	U	1.8	3.15	6.3	ug/Kg
75-69-4	Trichlorofluoromethane	3.15	U	1.7	3.15	6.3	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.15	U	1.7	3.15	6.3	ug/Kg
75-35-4	1,1-Dichloroethene	3.15	U	1.8	3.15	6.3	ug/Kg
67-64-1	Acetone	29	J	3.8	15.5	31	ug/Kg
75-15-0	Carbon Disulfide	3.15	U	1.3	3.15	6.3	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.15	U	1.2	3.15	6.3	ug/Kg
79-20-9	Methyl Acetate	3.15	U	1.9	3.15	6.3	ug/Kg
75-09-2	Methylene Chloride	3.15	U	1.8	3.15	6.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.15	U	0.87	3.15	6.3	ug/Kg
75-34-3	1,1-Dichloroethane	3.15	U	1.2	3.15	6.3	ug/Kg
110-82-7	Cyclohexane	3.15	U	1.3	3.15	6.3	ug/Kg
78-93-3	2-Butanone	15.5	U	3.9	15.5	31	ug/Kg
56-23-5	Carbon Tetrachloride	3.15	U	1.2	3.15	6.3	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.15	U	1.1	3.15	6.3	ug/Kg
74-97-5	Bromochloromethane	3.15	U	0.99	3.15	6.3	ug/Kg
67-66-3	Chloroform	3.15	U	0.93	3.15	6.3	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.15	U	1.1	3.15	6.3	ug/Kg
108-87-2	Methylcyclohexane	3.15	U	1.3	3.15	6.3	ug/Kg
71-43-2	Benzene	3.15	U	0.48	3.15	6.3	ug/Kg
107-06-2	1,2-Dichloroethane	3.15	U	0.81	3.15	6.3	ug/Kg
79-01-6	Trichloroethene	3.15	U	1.1	3.15	6.3	ug/Kg
78-87-5	1,2-Dichloropropane	3.15	U	0.33	3.15	6.3	ug/Kg
75-27-4	Bromodichloromethane	3.15	U	0.78	3.15	6.3	ug/Kg
108-10-1	4-Methyl-2-Pentanone	15.5	U	3.7	15.5	31	ug/Kg
108-88-3	Toluene	3.15	U	0.81	3.15	6.3	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.15	U	0.99	3.15	6.3	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(9-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-01RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	21
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048321.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3.15	U	0.91	3.15	6.3	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.15	U	1.1	3.15	6.3	ug/Kg
591-78-6	2-Hexanone	15.5	UQ	4.9	15.5	31	ug/Kg
124-48-1	Dibromochloromethane	3.15	U	0.68	3.15	6.3	ug/Kg
106-93-4	1,2-Dibromoethane	3.15	U	0.81	3.15	6.3	ug/Kg
127-18-4	Tetrachloroethene	3.15	UQ	1.3	3.15	6.3	ug/Kg
108-90-7	Chlorobenzene	3.15	U	0.63	3.15	6.3	ug/Kg
100-41-4	Ethyl Benzene	3.15	U	0.78	3.15	6.3	ug/Kg
179601-23-1	m/p-Xylenes	6.5	U	0.91	6.5	13	ug/Kg
95-47-6	o-Xylene	3.15	U	0.86	3.15	6.3	ug/Kg
100-42-5	Styrene	3.15	U	0.57	3.15	6.3	ug/Kg
75-25-2	Bromoform	3.15	U	0.93	3.15	6.3	ug/Kg
98-82-8	Isopropylbenzene	3.15	U	0.6	3.15	6.3	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.15	U	0.58	3.15	6.3	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.15	U	0.47	3.15	6.3	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.15	U	0.52	3.15	6.3	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.15	U	0.78	3.15	6.3	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.15	UQ	1.1	3.15	6.3	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.15	U	0.88	3.15	6.3	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.15	UQ	0.63	3.15	6.3	ug/Kg
123-91-1	1,4-Dioxane	65	U	65	65	130	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	66.1	*	56 - 120		132%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		57 - 135		108%	SPK: 50
2037-26-5	Toluene-d8	48.6		67 - 123		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.2		33 - 141		86%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	165324	6.55				
540-36-3	1,4-Difluorobenzene	299146	7.71				
3114-55-4	Chlorobenzene-d5	233315	10.74				
3855-82-1	1,4-Dichlorobenzene-d4	72535	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(9-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-01RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	21
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048321.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(2-3.5)	SDG No.:	D2546
Lab Sample ID:	D2546-02	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048300.D	1		05/12/12	VK051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3	U	0.78	3	6	ug/Kg
74-87-3	Chloromethane	3	U	1	3	6	ug/Kg
75-01-4	Vinyl Chloride	3	U	1.5	3	6	ug/Kg
74-83-9	Bromomethane	3	U	2.9	3	6	ug/Kg
75-00-3	Chloroethane	3	U	1.7	3	6	ug/Kg
75-69-4	Trichlorofluoromethane	3	U	1.6	3	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3	U	1.6	3	6	ug/Kg
75-35-4	1,1-Dichloroethene	3	U	1.8	3	6	ug/Kg
67-64-1	Acetone	26	J	3.6	15	30	ug/Kg
75-15-0	Carbon Disulfide	3	U	1.3	3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3	U	1.1	3	6	ug/Kg
79-20-9	Methyl Acetate	3	U	1.8	3	6	ug/Kg
75-09-2	Methylene Chloride	3	U	1.7	3	6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3	U	0.83	3	6	ug/Kg
75-34-3	1,1-Dichloroethane	3	U	1.1	3	6	ug/Kg
110-82-7	Cyclohexane	3	U	1.2	3	6	ug/Kg
78-93-3	2-Butanone	15	U	3.7	15	30	ug/Kg
56-23-5	Carbon Tetrachloride	3	U	1.2	3	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3	U	1.1	3	6	ug/Kg
74-97-5	Bromochloromethane	3	U	0.95	3	6	ug/Kg
67-66-3	Chloroform	3	U	0.89	3	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	3	U	1.1	3	6	ug/Kg
108-87-2	Methylcyclohexane	3	U	1.3	3	6	ug/Kg
71-43-2	Benzene	3	U	0.46	3	6	ug/Kg
107-06-2	1,2-Dichloroethane	3	U	0.77	3	6	ug/Kg
79-01-6	Trichloroethene	3	U	1	3	6	ug/Kg
78-87-5	1,2-Dichloropropane	3	U	0.31	3	6	ug/Kg
75-27-4	Bromodichloromethane	3	U	0.74	3	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	15	U	3.5	15	30	ug/Kg
108-88-3	Toluene	3	U	0.77	3	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3	U	0.95	3	6	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(2-3.5)	SDG No.:	D2546
Lab Sample ID:	D2546-02	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048300.D	1		05/12/12	VK051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3	U	0.86	3	6	ug/Kg
79-00-5	1,1,2-Trichloroethane	3	U	1.1	3	6	ug/Kg
591-78-6	2-Hexanone	15	U	4.7	15	30	ug/Kg
124-48-1	Dibromochloromethane	3	U	0.65	3	6	ug/Kg
106-93-4	1,2-Dibromoethane	3	U	0.77	3	6	ug/Kg
127-18-4	Tetrachloroethene	3	U	1.2	3	6	ug/Kg
108-90-7	Chlorobenzene	3	U	0.6	3	6	ug/Kg
100-41-4	Ethyl Benzene	3	U	0.74	3	6	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.86	6	12	ug/Kg
95-47-6	o-Xylene	3	U	0.81	3	6	ug/Kg
100-42-5	Styrene	3	U	0.54	3	6	ug/Kg
75-25-2	Bromoform	3	U	0.89	3	6	ug/Kg
98-82-8	Isopropylbenzene	3	U	0.57	3	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3	U	0.55	3	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	3	U	0.44	3	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	3	U	0.49	3	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	3	U	0.74	3	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3	U	1	3	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3	U	0.84	3	6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3	U	0.6	3	6	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	63	*	56 - 120		126%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		57 - 135		101%	SPK: 50
2037-26-5	Toluene-d8	49.7		67 - 123		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		33 - 141		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	154867	6.54				
540-36-3	1,4-Difluorobenzene	322639	7.69				
3114-55-4	Chlorobenzene-d5	297144	10.74				
3855-82-1	1,4-Dichlorobenzene-d4	107404	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(2-3.5)	SDG No.:	D2546
Lab Sample ID:	D2546-02	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048300.D	1		05/12/12	VK051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(2-3.5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-02RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048322.D	1		05/14/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3	U	0.78	3	6	ug/Kg
74-87-3	Chloromethane	3	U	1	3	6	ug/Kg
75-01-4	Vinyl Chloride	3	U	1.5	3	6	ug/Kg
74-83-9	Bromomethane	3	U	2.9	3	6	ug/Kg
75-00-3	Chloroethane	3	U	1.7	3	6	ug/Kg
75-69-4	Trichlorofluoromethane	3	U	1.6	3	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3	U	1.6	3	6	ug/Kg
75-35-4	1,1-Dichloroethene	3	U	1.8	3	6	ug/Kg
67-64-1	Acetone	27	J	3.6	15	30	ug/Kg
75-15-0	Carbon Disulfide	3	U	1.3	3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3	U	1.1	3	6	ug/Kg
79-20-9	Methyl Acetate	3	U	1.8	3	6	ug/Kg
75-09-2	Methylene Chloride	3	U	1.7	3	6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3	U	0.82	3	6	ug/Kg
75-34-3	1,1-Dichloroethane	3	U	1.1	3	6	ug/Kg
110-82-7	Cyclohexane	3	U	1.2	3	6	ug/Kg
78-93-3	2-Butanone	15	U	3.7	15	30	ug/Kg
56-23-5	Carbon Tetrachloride	3	U	1.2	3	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3	U	1.1	3	6	ug/Kg
74-97-5	Bromochloromethane	3	U	0.94	3	6	ug/Kg
67-66-3	Chloroform	3	U	0.88	3	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	3	U	1	3	6	ug/Kg
108-87-2	Methylcyclohexane	3	U	1.3	3	6	ug/Kg
71-43-2	Benzene	3	U	0.45	3	6	ug/Kg
107-06-2	1,2-Dichloroethane	3	U	0.76	3	6	ug/Kg
79-01-6	Trichloroethene	3	U	1	3	6	ug/Kg
78-87-5	1,2-Dichloropropane	3	U	0.31	3	6	ug/Kg
75-27-4	Bromodichloromethane	3	U	0.74	3	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	15	U	3.5	15	30	ug/Kg
108-88-3	Toluene	3	U	0.76	3	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3	U	0.94	3	6	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(2-3.5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-02RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048322.D	1		05/14/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3	U	0.86	3	6	ug/Kg
79-00-5	1,1,2-Trichloroethane	3	U	1.1	3	6	ug/Kg
591-78-6	2-Hexanone	15	UQ	4.7	15	30	ug/Kg
124-48-1	Dibromochloromethane	3	U	0.64	3	6	ug/Kg
106-93-4	1,2-Dibromoethane	3	U	0.76	3	6	ug/Kg
127-18-4	Tetrachloroethene	3	UQ	1.2	3	6	ug/Kg
108-90-7	Chlorobenzene	3	U	0.6	3	6	ug/Kg
100-41-4	Ethyl Benzene	3	U	0.74	3	6	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.86	6	12	ug/Kg
95-47-6	o-Xylene	3	U	0.81	3	6	ug/Kg
100-42-5	Styrene	3	U	0.54	3	6	ug/Kg
75-25-2	Bromoform	3	U	0.88	3	6	ug/Kg
98-82-8	Isopropylbenzene	3	U	0.57	3	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3	U	0.55	3	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	3	U	0.44	3	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	3	U	0.49	3	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	3	U	0.74	3	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3	UQ	1	3	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3	U	0.84	3	6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3	UQ	0.6	3	6	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	67.1	*	56 - 120		134%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		57 - 135		106%	SPK: 50
2037-26-5	Toluene-d8	48.4		67 - 123		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		33 - 141		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	160127	6.55				
540-36-3	1,4-Difluorobenzene	293133	7.7				
3114-55-4	Chlorobenzene-d5	236125	10.75				
3855-82-1	1,4-Dichlorobenzene-d4	91681	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(2-3.5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-02RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048322.D	1		05/14/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(4-5.5)	SDG No.:	D2546
Lab Sample ID:	D2546-03	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	19
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048301.D	1		05/12/12	VK051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3.1	U	0.8	3.1	6.2	ug/Kg
74-87-3	Chloromethane	3.1	U	1.1	3.1	6.2	ug/Kg
75-01-4	Vinyl Chloride	3.1	U	1.5	3.1	6.2	ug/Kg
74-83-9	Bromomethane	3.1	U	3	3.1	6.2	ug/Kg
75-00-3	Chloroethane	3.1	U	1.7	3.1	6.2	ug/Kg
75-69-4	Trichlorofluoromethane	3.1	U	1.6	3.1	6.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.1	U	1.6	3.1	6.2	ug/Kg
75-35-4	1,1-Dichloroethene	3.1	U	1.8	3.1	6.2	ug/Kg
67-64-1	Acetone	25	J	3.7	15.5	31	ug/Kg
75-15-0	Carbon Disulfide	3.1	U	1.3	3.1	6.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.1	U	1.2	3.1	6.2	ug/Kg
79-20-9	Methyl Acetate	3.1	U	1.9	3.1	6.2	ug/Kg
75-09-2	Methylene Chloride	3.1	U	1.8	3.1	6.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.1	U	0.85	3.1	6.2	ug/Kg
75-34-3	1,1-Dichloroethane	3.1	U	1.2	3.1	6.2	ug/Kg
110-82-7	Cyclohexane	3.1	U	1.2	3.1	6.2	ug/Kg
78-93-3	2-Butanone	15.5	U	3.8	15.5	31	ug/Kg
56-23-5	Carbon Tetrachloride	3.1	U	1.2	3.1	6.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.1	U	1.1	3.1	6.2	ug/Kg
74-97-5	Bromochloromethane	3.1	U	0.98	3.1	6.2	ug/Kg
67-66-3	Chloroform	3.1	U	0.91	3.1	6.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.1	U	1.1	3.1	6.2	ug/Kg
108-87-2	Methylcyclohexane	3.1	U	1.3	3.1	6.2	ug/Kg
71-43-2	Benzene	3.1	U	0.47	3.1	6.2	ug/Kg
107-06-2	1,2-Dichloroethane	3.1	U	0.79	3.1	6.2	ug/Kg
79-01-6	Trichloroethene	3.1	U	1.1	3.1	6.2	ug/Kg
78-87-5	1,2-Dichloropropane	3.1	U	0.32	3.1	6.2	ug/Kg
75-27-4	Bromodichloromethane	3.1	U	0.77	3.1	6.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	15.5	U	3.6	15.5	31	ug/Kg
108-88-3	Toluene	3.1	U	0.79	3.1	6.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.1	U	0.98	3.1	6.2	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(4-5.5)	SDG No.:	D2546
Lab Sample ID:	D2546-03	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	19
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048301.D	1		05/12/12	VK051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3.1	U	0.89	3.1	6.2	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.1	U	1.1	3.1	6.2	ug/Kg
591-78-6	2-Hexanone	15.5	U	4.8	15.5	31	ug/Kg
124-48-1	Dibromochloromethane	3.1	U	0.67	3.1	6.2	ug/Kg
106-93-4	1,2-Dibromoethane	3.1	U	0.79	3.1	6.2	ug/Kg
127-18-4	Tetrachloroethene	3.1	U	1.2	3.1	6.2	ug/Kg
108-90-7	Chlorobenzene	3.1	U	0.62	3.1	6.2	ug/Kg
100-41-4	Ethyl Benzene	3.1	U	0.77	3.1	6.2	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.89	6	12	ug/Kg
95-47-6	o-Xylene	3.1	U	0.84	3.1	6.2	ug/Kg
100-42-5	Styrene	3.1	U	0.56	3.1	6.2	ug/Kg
75-25-2	Bromoform	3.1	U	0.91	3.1	6.2	ug/Kg
98-82-8	Isopropylbenzene	3.1	U	0.59	3.1	6.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.1	U	0.57	3.1	6.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.1	U	0.46	3.1	6.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.1	U	0.51	3.1	6.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.1	U	0.77	3.1	6.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	1.1	3.1	6.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.1	U	0.86	3.1	6.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.1	U	0.62	3.1	6.2	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	61.6	*	56 - 120		123%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		57 - 135		99%	SPK: 50
2037-26-5	Toluene-d8	49.4		67 - 123		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		33 - 141		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	152687	6.54				
540-36-3	1,4-Difluorobenzene	320583	7.7				
3114-55-4	Chlorobenzene-d5	286071	10.73				
3855-82-1	1,4-Dichlorobenzene-d4	102067	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(4-5.5)	SDG No.:	D2546
Lab Sample ID:	D2546-03	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	19
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048301.D	1		05/12/12	VK051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(4-5.5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-03RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	19
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048323.D	1		05/14/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3.05	U	0.8	3.05	6.1	ug/Kg
74-87-3	Chloromethane	3.05	U	1.1	3.05	6.1	ug/Kg
75-01-4	Vinyl Chloride	3.05	U	1.5	3.05	6.1	ug/Kg
74-83-9	Bromomethane	3.05	U	3	3.05	6.1	ug/Kg
75-00-3	Chloroethane	3.05	U	1.7	3.05	6.1	ug/Kg
75-69-4	Trichlorofluoromethane	3.05	U	1.6	3.05	6.1	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.05	U	1.6	3.05	6.1	ug/Kg
75-35-4	1,1-Dichloroethene	3.05	U	1.8	3.05	6.1	ug/Kg
67-64-1	Acetone	20	J	3.7	15.5	31	ug/Kg
75-15-0	Carbon Disulfide	3.05	U	1.3	3.05	6.1	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.05	U	1.2	3.05	6.1	ug/Kg
79-20-9	Methyl Acetate	3.05	U	1.9	3.05	6.1	ug/Kg
75-09-2	Methylene Chloride	3.05	U	1.7	3.05	6.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.05	U	0.85	3.05	6.1	ug/Kg
75-34-3	1,1-Dichloroethane	3.05	U	1.2	3.05	6.1	ug/Kg
110-82-7	Cyclohexane	3.05	U	1.2	3.05	6.1	ug/Kg
78-93-3	2-Butanone	15.5	U	3.8	15.5	31	ug/Kg
56-23-5	Carbon Tetrachloride	3.05	U	1.2	3.05	6.1	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.05	U	1.1	3.05	6.1	ug/Kg
74-97-5	Bromochloromethane	3.05	U	0.97	3.05	6.1	ug/Kg
67-66-3	Chloroform	3.05	U	0.91	3.05	6.1	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.05	U	1.1	3.05	6.1	ug/Kg
108-87-2	Methylcyclohexane	3.05	U	1.3	3.05	6.1	ug/Kg
71-43-2	Benzene	3.05	U	0.47	3.05	6.1	ug/Kg
107-06-2	1,2-Dichloroethane	3.05	U	0.79	3.05	6.1	ug/Kg
79-01-6	Trichloroethene	3.05	U	1.1	3.05	6.1	ug/Kg
78-87-5	1,2-Dichloropropane	3.05	U	0.32	3.05	6.1	ug/Kg
75-27-4	Bromodichloromethane	3.05	U	0.76	3.05	6.1	ug/Kg
108-10-1	4-Methyl-2-Pentanone	15.5	U	3.6	15.5	31	ug/Kg
108-88-3	Toluene	3.05	U	0.79	3.05	6.1	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.05	U	0.97	3.05	6.1	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(4-5.5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-03RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	19
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048323.D	1		05/14/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3.05	U	0.89	3.05	6.1	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.05	U	1.1	3.05	6.1	ug/Kg
591-78-6	2-Hexanone	15.5	UQ	4.8	15.5	31	ug/Kg
124-48-1	Dibromochloromethane	3.05	U	0.66	3.05	6.1	ug/Kg
106-93-4	1,2-Dibromoethane	3.05	U	0.79	3.05	6.1	ug/Kg
127-18-4	Tetrachloroethene	3.05	UQ	1.2	3.05	6.1	ug/Kg
108-90-7	Chlorobenzene	3.05	U	0.61	3.05	6.1	ug/Kg
100-41-4	Ethyl Benzene	3.05	U	0.76	3.05	6.1	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.89	6	12	ug/Kg
95-47-6	o-Xylene	3.05	U	0.84	3.05	6.1	ug/Kg
100-42-5	Styrene	3.05	U	0.55	3.05	6.1	ug/Kg
75-25-2	Bromoform	3.05	U	0.91	3.05	6.1	ug/Kg
98-82-8	Isopropylbenzene	3.05	U	0.59	3.05	6.1	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.05	U	0.57	3.05	6.1	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.05	U	0.45	3.05	6.1	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.05	U	0.5	3.05	6.1	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.05	U	0.76	3.05	6.1	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.05	UQ	1.1	3.05	6.1	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.05	U	0.86	3.05	6.1	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.05	UQ	0.61	3.05	6.1	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	67.3	*	56 - 120		135%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		57 - 135		106%	SPK: 50
2037-26-5	Toluene-d8	47.6		67 - 123		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	48		33 - 141		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	155175	6.55				
540-36-3	1,4-Difluorobenzene	294378	7.7				
3114-55-4	Chlorobenzene-d5	233736	10.74				
3855-82-1	1,4-Dichlorobenzene-d4	86270	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(4-5.5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-03RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	19
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048323.D	1		05/14/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(6-7.5)	SDG No.:	D2546
Lab Sample ID:	D2546-04	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048302.D	1		05/12/12	vk051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.9	U	0.76	2.9	5.8	ug/Kg
74-87-3	Chloromethane	2.9	U	1	2.9	5.8	ug/Kg
75-01-4	Vinyl Chloride	2.9	U	1.4	2.9	5.8	ug/Kg
74-83-9	Bromomethane	2.9	U	2.9	2.9	5.8	ug/Kg
75-00-3	Chloroethane	2.9	U	1.6	2.9	5.8	ug/Kg
75-69-4	Trichlorofluoromethane	2.9	U	1.5	2.9	5.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.9	U	1.6	2.9	5.8	ug/Kg
75-35-4	1,1-Dichloroethene	2.9	U	1.7	2.9	5.8	ug/Kg
67-64-1	Acetone	62		3.5	14.5	29	ug/Kg
75-15-0	Carbon Disulfide	2.9	U	1.2	2.9	5.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.9	U	1.1	2.9	5.8	ug/Kg
79-20-9	Methyl Acetate	2.9	U	1.8	2.9	5.8	ug/Kg
75-09-2	Methylene Chloride	2.9	U	1.7	2.9	5.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.9	U	0.81	2.9	5.8	ug/Kg
75-34-3	1,1-Dichloroethane	2.9	U	1.1	2.9	5.8	ug/Kg
110-82-7	Cyclohexane	2.9	U	1.2	2.9	5.8	ug/Kg
78-93-3	2-Butanone	14.5	U	3.6	14.5	29	ug/Kg
56-23-5	Carbon Tetrachloride	2.9	U	1.2	2.9	5.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.9	U	1	2.9	5.8	ug/Kg
74-97-5	Bromochloromethane	2.9	U	0.92	2.9	5.8	ug/Kg
67-66-3	Chloroform	2.9	U	0.86	2.9	5.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.9	U	1	2.9	5.8	ug/Kg
108-87-2	Methylcyclohexane	2.9	U	1.2	2.9	5.8	ug/Kg
71-43-2	Benzene	2.9	U	0.44	2.9	5.8	ug/Kg
107-06-2	1,2-Dichloroethane	2.9	U	0.75	2.9	5.8	ug/Kg
79-01-6	Trichloroethene	2.9	U	1	2.9	5.8	ug/Kg
78-87-5	1,2-Dichloropropane	2.9	U	0.3	2.9	5.8	ug/Kg
75-27-4	Bromodichloromethane	2.9	U	0.72	2.9	5.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14.5	U	3.4	14.5	29	ug/Kg
108-88-3	Toluene	2.9	U	0.75	2.9	5.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.9	U	0.92	2.9	5.8	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(6-7.5)	SDG No.:	D2546
Lab Sample ID:	D2546-04	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048302.D	1		05/12/12	vk051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.9	U	0.84	2.9	5.8	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.9	U	1.1	2.9	5.8	ug/Kg
591-78-6	2-Hexanone	14.5	U	4.6	14.5	29	ug/Kg
124-48-1	Dibromochloromethane	2.9	U	0.63	2.9	5.8	ug/Kg
106-93-4	1,2-Dibromoethane	2.9	U	0.75	2.9	5.8	ug/Kg
127-18-4	Tetrachloroethene	2.9	U	1.2	2.9	5.8	ug/Kg
108-90-7	Chlorobenzene	2.9	U	0.58	2.9	5.8	ug/Kg
100-41-4	Ethyl Benzene	2.9	U	0.72	2.9	5.8	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.84	6	12	ug/Kg
95-47-6	o-Xylene	2.9	U	0.79	2.9	5.8	ug/Kg
100-42-5	Styrene	2.9	U	0.53	2.9	5.8	ug/Kg
75-25-2	Bromoform	2.9	U	0.86	2.9	5.8	ug/Kg
98-82-8	Isopropylbenzene	2.9	U	0.56	2.9	5.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.9	U	0.54	2.9	5.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.9	U	0.43	2.9	5.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.9	U	0.48	2.9	5.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.9	U	0.72	2.9	5.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.9	U	1	2.9	5.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.9	U	0.82	2.9	5.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.9	U	0.58	2.9	5.8	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	60.8	*	56 - 120		122%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		57 - 135		99%	SPK: 50
2037-26-5	Toluene-d8	50.5		67 - 123		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		33 - 141		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	158112	6.54				
540-36-3	1,4-Difluorobenzene	325034	7.69				
3114-55-4	Chlorobenzene-d5	290459	10.74				
3855-82-1	1,4-Dichlorobenzene-d4	102348	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(6-7.5)	SDG No.:	D2546
Lab Sample ID:	D2546-04	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048302.D	1		05/12/12	vk051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(6-7.5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-04RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048324.D	1		05/14/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.9	U	0.75	2.9	5.8	ug/Kg
74-87-3	Chloromethane	2.9	U	1	2.9	5.8	ug/Kg
75-01-4	Vinyl Chloride	2.9	U	1.4	2.9	5.8	ug/Kg
74-83-9	Bromomethane	2.9	U	2.8	2.9	5.8	ug/Kg
75-00-3	Chloroethane	2.9	U	1.6	2.9	5.8	ug/Kg
75-69-4	Trichlorofluoromethane	2.9	U	1.5	2.9	5.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.9	U	1.5	2.9	5.8	ug/Kg
75-35-4	1,1-Dichloroethene	2.9	U	1.7	2.9	5.8	ug/Kg
67-64-1	Acetone	52		3.5	14.5	29	ug/Kg
75-15-0	Carbon Disulfide	2.9	U	1.2	2.9	5.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.9	U	1.1	2.9	5.8	ug/Kg
79-20-9	Methyl Acetate	2.9	U	1.7	2.9	5.8	ug/Kg
75-09-2	Methylene Chloride	2.9	U	1.6	2.9	5.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.9	U	0.8	2.9	5.8	ug/Kg
75-34-3	1,1-Dichloroethane	2.9	U	1.1	2.9	5.8	ug/Kg
110-82-7	Cyclohexane	2.9	U	1.2	2.9	5.8	ug/Kg
78-93-3	2-Butanone	14.5	U	3.6	14.5	29	ug/Kg
56-23-5	Carbon Tetrachloride	2.9	U	1.1	2.9	5.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.9	U	1	2.9	5.8	ug/Kg
74-97-5	Bromochloromethane	2.9	U	0.91	2.9	5.8	ug/Kg
67-66-3	Chloroform	2.9	U	0.86	2.9	5.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.9	U	1	2.9	5.8	ug/Kg
108-87-2	Methylcyclohexane	2.9	U	1.2	2.9	5.8	ug/Kg
71-43-2	Benzene	2.9	U	0.44	2.9	5.8	ug/Kg
107-06-2	1,2-Dichloroethane	2.9	U	0.74	2.9	5.8	ug/Kg
79-01-6	Trichloroethene	2.9	U	1	2.9	5.8	ug/Kg
78-87-5	1,2-Dichloropropane	2.9	U	0.3	2.9	5.8	ug/Kg
75-27-4	Bromodichloromethane	2.9	U	0.72	2.9	5.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14.5	U	3.4	14.5	29	ug/Kg
108-88-3	Toluene	2.9	U	0.74	2.9	5.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.9	U	0.91	2.9	5.8	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(6-7.5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-04RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048324.D	1		05/14/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.9	U	0.83	2.9	5.8	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.9	U	1	2.9	5.8	ug/Kg
591-78-6	2-Hexanone	14.5	UQ	4.5	14.5	29	ug/Kg
124-48-1	Dibromochloromethane	2.9	U	0.63	2.9	5.8	ug/Kg
106-93-4	1,2-Dibromoethane	2.9	U	0.74	2.9	5.8	ug/Kg
127-18-4	Tetrachloroethene	2.9	UQ	1.2	2.9	5.8	ug/Kg
108-90-7	Chlorobenzene	2.9	U	0.58	2.9	5.8	ug/Kg
100-41-4	Ethyl Benzene	2.9	U	0.72	2.9	5.8	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.83	6	12	ug/Kg
95-47-6	o-Xylene	2.9	U	0.79	2.9	5.8	ug/Kg
100-42-5	Styrene	2.9	U	0.52	2.9	5.8	ug/Kg
75-25-2	Bromoform	2.9	U	0.86	2.9	5.8	ug/Kg
98-82-8	Isopropylbenzene	2.9	U	0.56	2.9	5.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.9	U	0.53	2.9	5.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.9	U	0.43	2.9	5.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.9	U	0.47	2.9	5.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.9	U	0.72	2.9	5.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.9	UQ	1	2.9	5.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.9	U	0.81	2.9	5.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.9	UQ	0.58	2.9	5.8	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	71.4	*	56 - 120		143%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		57 - 135		106%	SPK: 50
2037-26-5	Toluene-d8	46.8		67 - 123		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		33 - 141		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	129175	6.55				
540-36-3	1,4-Difluorobenzene	242189	7.7				
3114-55-4	Chlorobenzene-d5	194759	10.74				
3855-82-1	1,4-Dichlorobenzene-d4	73452	12.67				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(6-7.5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-04RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5.08 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048324.D	1		05/14/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(8-2)	SDG No.:	D2546
Lab Sample ID:	D2546-05	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	20
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048303.D	1		05/12/12	vk051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3.1	U	0.8	3.1	6.2	ug/Kg
74-87-3	Chloromethane	3.1	U	1.1	3.1	6.2	ug/Kg
75-01-4	Vinyl Chloride	3.1	U	1.5	3.1	6.2	ug/Kg
74-83-9	Bromomethane	3.1	U	3	3.1	6.2	ug/Kg
75-00-3	Chloroethane	3.1	U	1.7	3.1	6.2	ug/Kg
75-69-4	Trichlorofluoromethane	3.1	U	1.6	3.1	6.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.1	U	1.6	3.1	6.2	ug/Kg
75-35-4	1,1-Dichloroethene	3.1	U	1.8	3.1	6.2	ug/Kg
67-64-1	Acetone	74		3.7	15.5	31	ug/Kg
75-15-0	Carbon Disulfide	3.1	U	1.3	3.1	6.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.1	U	1.2	3.1	6.2	ug/Kg
79-20-9	Methyl Acetate	3.1	U	1.9	3.1	6.2	ug/Kg
75-09-2	Methylene Chloride	3.1	U	1.8	3.1	6.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.1	U	0.85	3.1	6.2	ug/Kg
75-34-3	1,1-Dichloroethane	3.1	U	1.2	3.1	6.2	ug/Kg
110-82-7	Cyclohexane	3.1	U	1.2	3.1	6.2	ug/Kg
78-93-3	2-Butanone	15.5	U	3.8	15.5	31	ug/Kg
56-23-5	Carbon Tetrachloride	3.1	U	1.2	3.1	6.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.1	U	1.1	3.1	6.2	ug/Kg
74-97-5	Bromochloromethane	3.1	U	0.98	3.1	6.2	ug/Kg
67-66-3	Chloroform	3.1	U	0.91	3.1	6.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.1	U	1.1	3.1	6.2	ug/Kg
108-87-2	Methylcyclohexane	3.1	U	1.3	3.1	6.2	ug/Kg
71-43-2	Benzene	3.1	U	0.47	3.1	6.2	ug/Kg
107-06-2	1,2-Dichloroethane	3.1	U	0.79	3.1	6.2	ug/Kg
79-01-6	Trichloroethene	3.1	U	1.1	3.1	6.2	ug/Kg
78-87-5	1,2-Dichloropropane	3.1	U	0.32	3.1	6.2	ug/Kg
75-27-4	Bromodichloromethane	3.1	U	0.77	3.1	6.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	15.5	U	3.6	15.5	31	ug/Kg
108-88-3	Toluene	3.1	U	0.79	3.1	6.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.1	U	0.98	3.1	6.2	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(8-2)	SDG No.:	D2546
Lab Sample ID:	D2546-05	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	20
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048303.D	1		05/12/12	vk051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3.1	U	0.89	3.1	6.2	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.1	U	1.1	3.1	6.2	ug/Kg
591-78-6	2-Hexanone	15.5	U	4.8	15.5	31	ug/Kg
124-48-1	Dibromochloromethane	3.1	U	0.67	3.1	6.2	ug/Kg
106-93-4	1,2-Dibromoethane	3.1	U	0.79	3.1	6.2	ug/Kg
127-18-4	Tetrachloroethene	3.1	U	1.2	3.1	6.2	ug/Kg
108-90-7	Chlorobenzene	3.1	U	0.62	3.1	6.2	ug/Kg
100-41-4	Ethyl Benzene	3.1	U	0.77	3.1	6.2	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.89	6	12	ug/Kg
95-47-6	o-Xylene	3.1	U	0.84	3.1	6.2	ug/Kg
100-42-5	Styrene	3.1	U	0.56	3.1	6.2	ug/Kg
75-25-2	Bromoform	3.1	U	0.91	3.1	6.2	ug/Kg
98-82-8	Isopropylbenzene	3.1	U	0.59	3.1	6.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.1	U	0.57	3.1	6.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.1	U	0.46	3.1	6.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.1	U	0.51	3.1	6.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.1	U	0.77	3.1	6.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	U	1.1	3.1	6.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.1	U	0.86	3.1	6.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.1	U	0.62	3.1	6.2	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	64	*	56 - 120		128%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		57 - 135		108%	SPK: 50
2037-26-5	Toluene-d8	49.6		67 - 123		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		33 - 141		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	153361	6.54				
540-36-3	1,4-Difluorobenzene	294734	7.69				
3114-55-4	Chlorobenzene-d5	261220	10.74				
3855-82-1	1,4-Dichlorobenzene-d4	78292	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(8-2)	SDG No.:	D2546
Lab Sample ID:	D2546-05	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	20
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048303.D	1		05/12/12	vk051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(8-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-05RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	20
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048325.D	1		05/14/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3.1	U	0.81	3.1	6.2	ug/Kg
74-87-3	Chloromethane	3.1	U	1.1	3.1	6.2	ug/Kg
75-01-4	Vinyl Chloride	3.1	U	1.5	3.1	6.2	ug/Kg
74-83-9	Bromomethane	3.1	U	3.1	3.1	6.2	ug/Kg
75-00-3	Chloroethane	3.1	U	1.7	3.1	6.2	ug/Kg
75-69-4	Trichlorofluoromethane	3.1	U	1.6	3.1	6.2	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.1	U	1.7	3.1	6.2	ug/Kg
75-35-4	1,1-Dichloroethene	3.1	U	1.8	3.1	6.2	ug/Kg
67-64-1	Acetone	46		3.8	15.5	31	ug/Kg
75-15-0	Carbon Disulfide	3.1	U	1.3	3.1	6.2	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.1	U	1.2	3.1	6.2	ug/Kg
79-20-9	Methyl Acetate	3.1	U	1.9	3.1	6.2	ug/Kg
75-09-2	Methylene Chloride	3.1	U	1.8	3.1	6.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.1	U	0.86	3.1	6.2	ug/Kg
75-34-3	1,1-Dichloroethane	3.1	U	1.2	3.1	6.2	ug/Kg
110-82-7	Cyclohexane	3.1	U	1.3	3.1	6.2	ug/Kg
78-93-3	2-Butanone	15.5	U	3.9	15.5	31	ug/Kg
56-23-5	Carbon Tetrachloride	3.1	U	1.2	3.1	6.2	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.1	U	1.1	3.1	6.2	ug/Kg
74-97-5	Bromochloromethane	3.1	U	0.98	3.1	6.2	ug/Kg
67-66-3	Chloroform	3.1	U	0.92	3.1	6.2	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.1	U	1.1	3.1	6.2	ug/Kg
108-87-2	Methylcyclohexane	3.1	U	1.3	3.1	6.2	ug/Kg
71-43-2	Benzene	3.1	U	0.47	3.1	6.2	ug/Kg
107-06-2	1,2-Dichloroethane	3.1	U	0.8	3.1	6.2	ug/Kg
79-01-6	Trichloroethene	3.1	U	1.1	3.1	6.2	ug/Kg
78-87-5	1,2-Dichloropropane	3.1	U	0.32	3.1	6.2	ug/Kg
75-27-4	Bromodichloromethane	3.1	U	0.77	3.1	6.2	ug/Kg
108-10-1	4-Methyl-2-Pentanone	15.5	U	3.6	15.5	31	ug/Kg
108-88-3	Toluene	3.1	U	0.8	3.1	6.2	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.1	U	0.98	3.1	6.2	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(8-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-05RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	20
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048325.D	1		05/14/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3.1	U	0.9	3.1	6.2	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.1	U	1.1	3.1	6.2	ug/Kg
591-78-6	2-Hexanone	15.5	UQ	4.9	15.5	31	ug/Kg
124-48-1	Dibromochloromethane	3.1	U	0.67	3.1	6.2	ug/Kg
106-93-4	1,2-Dibromoethane	3.1	U	0.8	3.1	6.2	ug/Kg
127-18-4	Tetrachloroethene	3.1	UQ	1.3	3.1	6.2	ug/Kg
108-90-7	Chlorobenzene	3.1	U	0.62	3.1	6.2	ug/Kg
100-41-4	Ethyl Benzene	3.1	U	0.77	3.1	6.2	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.9	6	12	ug/Kg
95-47-6	o-Xylene	3.1	U	0.85	3.1	6.2	ug/Kg
100-42-5	Styrene	3.1	U	0.56	3.1	6.2	ug/Kg
75-25-2	Bromoform	3.1	U	0.92	3.1	6.2	ug/Kg
98-82-8	Isopropylbenzene	3.1	U	0.6	3.1	6.2	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.1	U	0.57	3.1	6.2	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.1	U	0.46	3.1	6.2	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.1	U	0.51	3.1	6.2	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.1	U	0.77	3.1	6.2	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.1	UQ	1.1	3.1	6.2	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.1	U	0.87	3.1	6.2	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.1	UQ	0.62	3.1	6.2	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	67.9	*	56 - 120		136%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		57 - 135		106%	SPK: 50
2037-26-5	Toluene-d8	47.9		67 - 123		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		33 - 141		88%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	153665	6.56				
540-36-3	1,4-Difluorobenzene	283396	7.7				
3114-55-4	Chlorobenzene-d5	216176	10.74				
3855-82-1	1,4-Dichlorobenzene-d4	65491	12.67				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(8-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-05RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	20
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048325.D	1		05/14/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(2-3.5)	SDG No.:	D2546
Lab Sample ID:	D2546-06	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	23
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048304.D	1		05/12/12	vk051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3.25	U	0.84	3.25	6.5	ug/Kg
74-87-3	Chloromethane	3.25	U	1.1	3.25	6.5	ug/Kg
75-01-4	Vinyl Chloride	3.25	U	1.6	3.25	6.5	ug/Kg
74-83-9	Bromomethane	3.25	U	3.2	3.25	6.5	ug/Kg
75-00-3	Chloroethane	3.25	U	1.8	3.25	6.5	ug/Kg
75-69-4	Trichlorofluoromethane	3.25	U	1.7	3.25	6.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.25	U	1.7	3.25	6.5	ug/Kg
75-35-4	1,1-Dichloroethene	3.25	U	1.9	3.25	6.5	ug/Kg
67-64-1	Acetone	130		3.9	16	32	ug/Kg
75-15-0	Carbon Disulfide	3.25	U	1.4	3.25	6.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.25	U	1.2	3.25	6.5	ug/Kg
79-20-9	Methyl Acetate	3.25	U	2	3.25	6.5	ug/Kg
75-09-2	Methylene Chloride	3.25	U	1.8	3.25	6.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.25	U	0.9	3.25	6.5	ug/Kg
75-34-3	1,1-Dichloroethane	3.25	U	1.2	3.25	6.5	ug/Kg
110-82-7	Cyclohexane	3.25	U	1.3	3.25	6.5	ug/Kg
78-93-3	2-Butanone	16	U	4	16	32	ug/Kg
56-23-5	Carbon Tetrachloride	3.25	U	1.3	3.25	6.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.25	U	1.2	3.25	6.5	ug/Kg
74-97-5	Bromochloromethane	3.25	U	1	3.25	6.5	ug/Kg
67-66-3	Chloroform	3.25	U	0.96	3.25	6.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.25	U	1.1	3.25	6.5	ug/Kg
108-87-2	Methylcyclohexane	3.25	U	1.4	3.25	6.5	ug/Kg
71-43-2	Benzene	3.25	U	0.49	3.25	6.5	ug/Kg
107-06-2	1,2-Dichloroethane	3.25	U	0.83	3.25	6.5	ug/Kg
79-01-6	Trichloroethene	3.25	U	1.1	3.25	6.5	ug/Kg
78-87-5	1,2-Dichloropropane	3.25	U	0.34	3.25	6.5	ug/Kg
75-27-4	Bromodichloromethane	3.25	U	0.81	3.25	6.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	16	U	3.8	16	32	ug/Kg
108-88-3	Toluene	3.25	U	0.83	3.25	6.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.25	U	1	3.25	6.5	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(2-3.5)	SDG No.:	D2546
Lab Sample ID:	D2546-06	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	23
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048304.D	1		05/12/12	vk051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3.25	U	0.94	3.25	6.5	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.25	U	1.2	3.25	6.5	ug/Kg
591-78-6	2-Hexanone	16	U	5.1	16	32	ug/Kg
124-48-1	Dibromochloromethane	3.25	U	0.7	3.25	6.5	ug/Kg
106-93-4	1,2-Dibromoethane	3.25	U	0.83	3.25	6.5	ug/Kg
127-18-4	Tetrachloroethene	3.25	U	1.3	3.25	6.5	ug/Kg
108-90-7	Chlorobenzene	3.25	U	0.65	3.25	6.5	ug/Kg
100-41-4	Ethyl Benzene	3.25	U	0.81	3.25	6.5	ug/Kg
179601-23-1	m/p-Xylenes	6.5	U	0.94	6.5	13	ug/Kg
95-47-6	o-Xylene	3.25	U	0.88	3.25	6.5	ug/Kg
100-42-5	Styrene	3.25	U	0.58	3.25	6.5	ug/Kg
75-25-2	Bromoform	3.25	U	0.96	3.25	6.5	ug/Kg
98-82-8	Isopropylbenzene	3.25	U	0.62	3.25	6.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.25	U	0.6	3.25	6.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.25	U	0.48	3.25	6.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.25	U	0.53	3.25	6.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.25	U	0.81	3.25	6.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.25	U	1.1	3.25	6.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.25	U	0.91	3.25	6.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.25	U	0.65	3.25	6.5	ug/Kg
123-91-1	1,4-Dioxane	65	U	65	65	130	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	66.3	*	56 - 120		133%	SPK: 50
1868-53-7	Dibromofluoromethane	56.2		57 - 135		112%	SPK: 50
2037-26-5	Toluene-d8	48.7		67 - 123		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		33 - 141		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	110447	6.54				
540-36-3	1,4-Difluorobenzene	214286	7.69				
3114-55-4	Chlorobenzene-d5	179124	10.74				
3855-82-1	1,4-Dichlorobenzene-d4	50129	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(2-3.5)	SDG No.:	D2546
Lab Sample ID:	D2546-06	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	23
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048304.D	1		05/12/12	vk051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(2-3.5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-06RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	23
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033217.D	1		05/14/12	VF051412

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3.2	U	0.83	3.2	6.4	ug/Kg
74-87-3	Chloromethane	3.2	U	1.1	3.2	6.4	ug/Kg
75-01-4	Vinyl Chloride	3.2	UQ	1.6	3.2	6.4	ug/Kg
74-83-9	Bromomethane	3.2	U	3.1	3.2	6.4	ug/Kg
75-00-3	Chloroethane	3.2	UQ	1.8	3.2	6.4	ug/Kg
75-69-4	Trichlorofluoromethane	3.2	U	1.7	3.2	6.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.2	U	1.7	3.2	6.4	ug/Kg
75-35-4	1,1-Dichloroethene	3.2	U	1.9	3.2	6.4	ug/Kg
67-64-1	Acetone	50		3.9	16	32	ug/Kg
75-15-0	Carbon Disulfide	3.2	U	1.4	3.2	6.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.2	U	1.2	3.2	6.4	ug/Kg
79-20-9	Methyl Acetate	3.2	U	1.9	3.2	6.4	ug/Kg
75-09-2	Methylene Chloride	3.2	U	1.8	3.2	6.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.2	U	0.88	3.2	6.4	ug/Kg
75-34-3	1,1-Dichloroethane	3.2	U	1.2	3.2	6.4	ug/Kg
110-82-7	Cyclohexane	3.2	U	1.3	3.2	6.4	ug/Kg
78-93-3	2-Butanone	16	U	4	16	32	ug/Kg
56-23-5	Carbon Tetrachloride	3.2	U	1.3	3.2	6.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.2	U	1.1	3.2	6.4	ug/Kg
74-97-5	Bromochloromethane	3.2	U	1	3.2	6.4	ug/Kg
67-66-3	Chloroform	3.2	U	0.95	3.2	6.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.2	U	1.1	3.2	6.4	ug/Kg
108-87-2	Methylcyclohexane	3.2	U	1.4	3.2	6.4	ug/Kg
71-43-2	Benzene	3.2	U	0.49	3.2	6.4	ug/Kg
107-06-2	1,2-Dichloroethane	3.2	U	0.82	3.2	6.4	ug/Kg
79-01-6	Trichloroethene	3.2	U	1.1	3.2	6.4	ug/Kg
78-87-5	1,2-Dichloropropane	3.2	U	0.33	3.2	6.4	ug/Kg
75-27-4	Bromodichloromethane	3.2	U	0.79	3.2	6.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	16	U	3.7	16	32	ug/Kg
108-88-3	Toluene	3.2	U	0.82	3.2	6.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.2	U	1	3.2	6.4	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(2-3.5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-06RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	23
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033217.D	1		05/14/12	VF051412

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3.2	U	0.92	3.2	6.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.2	U	1.2	3.2	6.4	ug/Kg
591-78-6	2-Hexanone	16	U	5	16	32	ug/Kg
124-48-1	Dibromochloromethane	3.2	U	0.69	3.2	6.4	ug/Kg
106-93-4	1,2-Dibromoethane	3.2	U	0.82	3.2	6.4	ug/Kg
127-18-4	Tetrachloroethene	3.2	U	1.3	3.2	6.4	ug/Kg
108-90-7	Chlorobenzene	3.2	U	0.64	3.2	6.4	ug/Kg
100-41-4	Ethyl Benzene	3.2	U	0.79	3.2	6.4	ug/Kg
179601-23-1	m/p-Xylenes	6.5	U	0.92	6.5	13	ug/Kg
95-47-6	o-Xylene	3.2	U	0.87	3.2	6.4	ug/Kg
100-42-5	Styrene	3.2	U	0.58	3.2	6.4	ug/Kg
75-25-2	Bromoform	3.2	U	0.95	3.2	6.4	ug/Kg
98-82-8	Isopropylbenzene	3.2	U	0.61	3.2	6.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.2	U	0.59	3.2	6.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.2	U	0.47	3.2	6.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.2	U	0.53	3.2	6.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.2	U	0.79	3.2	6.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.2	U	1.1	3.2	6.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.2	U	0.9	3.2	6.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.2	U	0.64	3.2	6.4	ug/Kg
123-91-1	1,4-Dioxane	65	U	65	65	130	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.1		56 - 120		96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		57 - 135		100%	SPK: 50
2037-26-5	Toluene-d8	48.6		67 - 123		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		33 - 141		94%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	192655	4.38				
540-36-3	1,4-Difluorobenzene	259387	5.12				
3114-55-4	Chlorobenzene-d5	256875	9.32				
3855-82-1	1,4-Dichlorobenzene-d4	116955	12.24				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(2-3.5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-06RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	23
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033217.D	1		05/14/12	VF051412

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(4-5)	SDG No.:	D2546
Lab Sample ID:	D2546-07	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	9
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033160.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.7	U	0.7	2.7	5.4	ug/Kg
74-87-3	Chloromethane	2.7	U	0.93	2.7	5.4	ug/Kg
75-01-4	Vinyl Chloride	2.7	U	1.3	2.7	5.4	ug/Kg
74-83-9	Bromomethane	2.7	U	2.7	2.7	5.4	ug/Kg
75-00-3	Chloroethane	2.7	UQ	1.5	2.7	5.4	ug/Kg
75-69-4	Trichlorofluoromethane	2.7	U	1.4	2.7	5.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.7	U	1.4	2.7	5.4	ug/Kg
75-35-4	1,1-Dichloroethene	2.7	U	1.6	2.7	5.4	ug/Kg
67-64-1	Acetone	13.5	U	3.3	13.5	27	ug/Kg
75-15-0	Carbon Disulfide	2.7	U	1.1	2.7	5.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.7	U	1	2.7	5.4	ug/Kg
79-20-9	Methyl Acetate	2.7	U	1.6	2.7	5.4	ug/Kg
75-09-2	Methylene Chloride	2.7	U	1.5	2.7	5.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.7	U	0.75	2.7	5.4	ug/Kg
75-34-3	1,1-Dichloroethane	2.7	U	1	2.7	5.4	ug/Kg
110-82-7	Cyclohexane	2.7	U	1.1	2.7	5.4	ug/Kg
78-93-3	2-Butanone	13.5	U	3.4	13.5	27	ug/Kg
56-23-5	Carbon Tetrachloride	2.7	U	1.1	2.7	5.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.7	U	0.96	2.7	5.4	ug/Kg
74-97-5	Bromochloromethane	2.7	U	0.86	2.7	5.4	ug/Kg
67-66-3	Chloroform	2.7	U	0.8	2.7	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.7	U	0.95	2.7	5.4	ug/Kg
108-87-2	Methylcyclohexane	2.7	U	1.1	2.7	5.4	ug/Kg
71-43-2	Benzene	2.7	U	0.41	2.7	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	2.7	U	0.69	2.7	5.4	ug/Kg
79-01-6	Trichloroethene	2.7	U	0.93	2.7	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	2.7	U	0.28	2.7	5.4	ug/Kg
75-27-4	Bromodichloromethane	2.7	U	0.67	2.7	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	13.5	U	3.2	13.5	27	ug/Kg
108-88-3	Toluene	2.7	U	0.69	2.7	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.7	U	0.86	2.7	5.4	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(4-5)	SDG No.:	D2546
Lab Sample ID:	D2546-07	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	9
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033160.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.7	U	0.78	2.7	5.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.7	U	0.98	2.7	5.4	ug/Kg
591-78-6	2-Hexanone	13.5	U	4.2	13.5	27	ug/Kg
124-48-1	Dibromochloromethane	2.7	U	0.59	2.7	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	2.7	U	0.69	2.7	5.4	ug/Kg
127-18-4	Tetrachloroethene	2.7	U	1.1	2.7	5.4	ug/Kg
108-90-7	Chlorobenzene	2.7	U	0.54	2.7	5.4	ug/Kg
100-41-4	Ethyl Benzene	2.7	U	0.67	2.7	5.4	ug/Kg
179601-23-1	m/p-Xylenes	5.5	U	0.78	5.5	11	ug/Kg
95-47-6	o-Xylene	2.7	U	0.74	2.7	5.4	ug/Kg
100-42-5	Styrene	2.7	U	0.49	2.7	5.4	ug/Kg
75-25-2	Bromoform	2.7	U	0.8	2.7	5.4	ug/Kg
98-82-8	Isopropylbenzene	2.7	U	0.52	2.7	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.7	U	0.5	2.7	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.7	U	0.4	2.7	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.7	U	0.44	2.7	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.7	U	0.67	2.7	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.7	U	0.94	2.7	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.7	U	0.76	2.7	5.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.7	UQ	0.54	2.7	5.4	ug/Kg
123-91-1	1,4-Dioxane	55	U	55	55	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.6		56 - 120		95%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		57 - 135		101%	SPK: 50
2037-26-5	Toluene-d8	48.9		67 - 123		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		33 - 141		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	197099	4.38				
540-36-3	1,4-Difluorobenzene	269148	5.12				
3114-55-4	Chlorobenzene-d5	283857	9.32				
3855-82-1	1,4-Dichlorobenzene-d4	159203	12.24				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(4-5)	SDG No.:	D2546
Lab Sample ID:	D2546-07	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	9
Sample Wt/Vol:	5.07 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033160.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(4-5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-07RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	9
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048310.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.75	U	0.71	2.75	5.5	ug/Kg
74-87-3	Chloromethane	2.75	U	0.94	2.75	5.5	ug/Kg
75-01-4	Vinyl Chloride	2.75	U	1.3	2.75	5.5	ug/Kg
74-83-9	Bromomethane	2.75	U	2.7	2.75	5.5	ug/Kg
75-00-3	Chloroethane	2.75	U	1.5	2.75	5.5	ug/Kg
75-69-4	Trichlorofluoromethane	2.75	U	1.4	2.75	5.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.75	U	1.4	2.75	5.5	ug/Kg
75-35-4	1,1-Dichloroethene	2.75	U	1.6	2.75	5.5	ug/Kg
67-64-1	Acetone	15	J	3.3	13.5	27	ug/Kg
75-15-0	Carbon Disulfide	2.75	U	1.2	2.75	5.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.75	U	1	2.75	5.5	ug/Kg
79-20-9	Methyl Acetate	2.75	U	1.6	2.75	5.5	ug/Kg
75-09-2	Methylene Chloride	2.75	U	1.5	2.75	5.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.75	U	0.75	2.75	5.5	ug/Kg
75-34-3	1,1-Dichloroethane	2.75	U	1	2.75	5.5	ug/Kg
110-82-7	Cyclohexane	2.75	U	1.1	2.75	5.5	ug/Kg
78-93-3	2-Butanone	13.5	U	3.4	13.5	27	ug/Kg
56-23-5	Carbon Tetrachloride	2.75	U	1.1	2.75	5.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.75	U	0.97	2.75	5.5	ug/Kg
74-97-5	Bromochloromethane	2.75	U	0.86	2.75	5.5	ug/Kg
67-66-3	Chloroform	2.75	U	0.81	2.75	5.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.75	U	0.96	2.75	5.5	ug/Kg
108-87-2	Methylcyclohexane	2.75	U	1.2	2.75	5.5	ug/Kg
71-43-2	Benzene	2.75	U	0.41	2.75	5.5	ug/Kg
107-06-2	1,2-Dichloroethane	2.75	U	0.7	2.75	5.5	ug/Kg
79-01-6	Trichloroethene	2.75	U	0.94	2.75	5.5	ug/Kg
78-87-5	1,2-Dichloropropane	2.75	U	0.28	2.75	5.5	ug/Kg
75-27-4	Bromodichloromethane	2.75	U	0.68	2.75	5.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	13.5	U	3.2	13.5	27	ug/Kg
108-88-3	Toluene	2.75	U	0.7	2.75	5.5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.75	U	0.86	2.75	5.5	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(4-5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-07RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	9
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048310.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.75	U	0.78	2.75	5.5	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.75	U	0.98	2.75	5.5	ug/Kg
591-78-6	2-Hexanone	13.5	UQ	4.3	13.5	27	ug/Kg
124-48-1	Dibromochloromethane	2.75	U	0.59	2.75	5.5	ug/Kg
106-93-4	1,2-Dibromoethane	2.75	U	0.7	2.75	5.5	ug/Kg
127-18-4	Tetrachloroethene	2.75	UQ	1.1	2.75	5.5	ug/Kg
108-90-7	Chlorobenzene	2.75	U	0.55	2.75	5.5	ug/Kg
100-41-4	Ethyl Benzene	2.75	U	0.68	2.75	5.5	ug/Kg
179601-23-1	m/p-Xylenes	5.5	U	0.78	5.5	11	ug/Kg
95-47-6	o-Xylene	2.75	U	0.74	2.75	5.5	ug/Kg
100-42-5	Styrene	2.75	U	0.49	2.75	5.5	ug/Kg
75-25-2	Bromoform	2.75	U	0.81	2.75	5.5	ug/Kg
98-82-8	Isopropylbenzene	2.75	U	0.52	2.75	5.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.75	U	0.5	2.75	5.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.75	U	0.4	2.75	5.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.75	U	0.45	2.75	5.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.75	U	0.68	2.75	5.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.75	UQ	0.95	2.75	5.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.75	U	0.76	2.75	5.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.75	UQ	0.55	2.75	5.5	ug/Kg
123-91-1	1,4-Dioxane	55	U	55	55	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	61.5	*	56 - 120		123%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		57 - 135		104%	SPK: 50
2037-26-5	Toluene-d8	47		67 - 123		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		33 - 141		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	200847	6.56				
540-36-3	1,4-Difluorobenzene	347687	7.7				
3114-55-4	Chlorobenzene-d5	274292	10.74				
3855-82-1	1,4-Dichlorobenzene-d4	109513	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(4-5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-07RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	9
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048310.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(6-8)	SDG No.:	D2546
Lab Sample ID:	D2546-08	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033161.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3	U	0.78	3	6	ug/Kg
74-87-3	Chloromethane	3	U	1	3	6	ug/Kg
75-01-4	Vinyl Chloride	3	U	1.5	3	6	ug/Kg
74-83-9	Bromomethane	3	U	3	3	6	ug/Kg
75-00-3	Chloroethane	3	UQ	1.7	3	6	ug/Kg
75-69-4	Trichlorofluoromethane	3	U	1.6	3	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3	U	1.6	3	6	ug/Kg
75-35-4	1,1-Dichloroethene	3	U	1.8	3	6	ug/Kg
67-64-1	Acetone	36		3.6	15	30	ug/Kg
75-15-0	Carbon Disulfide	3	U	1.3	3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3	U	1.2	3	6	ug/Kg
79-20-9	Methyl Acetate	3	U	1.8	3	6	ug/Kg
75-09-2	Methylene Chloride	3	U	1.7	3	6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3	U	0.83	3	6	ug/Kg
75-34-3	1,1-Dichloroethane	3	U	1.1	3	6	ug/Kg
110-82-7	Cyclohexane	3	U	1.2	3	6	ug/Kg
78-93-3	2-Butanone	15	U	3.7	15	30	ug/Kg
56-23-5	Carbon Tetrachloride	3	U	1.2	3	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3	U	1.1	3	6	ug/Kg
74-97-5	Bromochloromethane	3	U	0.95	3	6	ug/Kg
67-66-3	Chloroform	3	U	0.89	3	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	3	U	1.1	3	6	ug/Kg
108-87-2	Methylcyclohexane	3	U	1.3	3	6	ug/Kg
71-43-2	Benzene	3	U	0.46	3	6	ug/Kg
107-06-2	1,2-Dichloroethane	3	U	0.77	3	6	ug/Kg
79-01-6	Trichloroethene	3	U	1	3	6	ug/Kg
78-87-5	1,2-Dichloropropane	3	U	0.31	3	6	ug/Kg
75-27-4	Bromodichloromethane	3	U	0.75	3	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	15	U	3.5	15	30	ug/Kg
108-88-3	Toluene	3	U	0.77	3	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3	U	0.95	3	6	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(6-8)	SDG No.:	D2546
Lab Sample ID:	D2546-08	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033161.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3	U	0.87	3	6	ug/Kg
79-00-5	1,1,2-Trichloroethane	3	U	1.1	3	6	ug/Kg
591-78-6	2-Hexanone	15	U	4.7	15	30	ug/Kg
124-48-1	Dibromochloromethane	3	U	0.65	3	6	ug/Kg
106-93-4	1,2-Dibromoethane	3	U	0.77	3	6	ug/Kg
127-18-4	Tetrachloroethene	3	U	1.2	3	6	ug/Kg
108-90-7	Chlorobenzene	3	U	0.6	3	6	ug/Kg
100-41-4	Ethyl Benzene	3	U	0.75	3	6	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.87	6	12	ug/Kg
95-47-6	o-Xylene	3	U	0.82	3	6	ug/Kg
100-42-5	Styrene	3	U	0.54	3	6	ug/Kg
75-25-2	Bromoform	3	U	0.89	3	6	ug/Kg
98-82-8	Isopropylbenzene	3	U	0.58	3	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3	U	0.55	3	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	3	U	0.45	3	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	3	U	0.49	3	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	3	U	0.75	3	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3	U	1	3	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3	U	0.84	3	6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3	UQ	0.6	3	6	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.8		56 - 120		98%	SPK: 50
1868-53-7	Dibromofluoromethane	51		57 - 135		102%	SPK: 50
2037-26-5	Toluene-d8	50.5		67 - 123		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		33 - 141		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	144587	4.38				
540-36-3	1,4-Difluorobenzene	192980	5.12				
3114-55-4	Chlorobenzene-d5	209840	9.32				
3855-82-1	1,4-Dichlorobenzene-d4	104501	12.24				
TENTATIVE IDENTIFIED COMPOUNDS							

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(6-8)	SDG No.:	D2546
Lab Sample ID:	D2546-08	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033161.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000071-36-3	1-Butanol	6.8	J			5.77	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(6-8)RE	SDG No.:	D2546
Lab Sample ID:	D2546-08RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048311.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3	U	0.78	3	6	ug/Kg
74-87-3	Chloromethane	3	U	1	3	6	ug/Kg
75-01-4	Vinyl Chloride	3	U	1.5	3	6	ug/Kg
74-83-9	Bromomethane	3	U	2.9	3	6	ug/Kg
75-00-3	Chloroethane	3	U	1.7	3	6	ug/Kg
75-69-4	Trichlorofluoromethane	3	U	1.6	3	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3	U	1.6	3	6	ug/Kg
75-35-4	1,1-Dichloroethene	3	U	1.8	3	6	ug/Kg
67-64-1	Acetone	13	J	3.6	15	30	ug/Kg
75-15-0	Carbon Disulfide	3	U	1.3	3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3	U	1.1	3	6	ug/Kg
79-20-9	Methyl Acetate	3	U	1.8	3	6	ug/Kg
75-09-2	Methylene Chloride	3	U	1.7	3	6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3	U	0.83	3	6	ug/Kg
75-34-3	1,1-Dichloroethane	3	U	1.1	3	6	ug/Kg
110-82-7	Cyclohexane	3	U	1.2	3	6	ug/Kg
78-93-3	2-Butanone	15	U	3.7	15	30	ug/Kg
56-23-5	Carbon Tetrachloride	3	U	1.2	3	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3	U	1.1	3	6	ug/Kg
74-97-5	Bromochloromethane	3	U	0.95	3	6	ug/Kg
67-66-3	Chloroform	3	U	0.89	3	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	3	U	1.1	3	6	ug/Kg
108-87-2	Methylcyclohexane	3	U	1.3	3	6	ug/Kg
71-43-2	Benzene	3	U	0.46	3	6	ug/Kg
107-06-2	1,2-Dichloroethane	3	U	0.77	3	6	ug/Kg
79-01-6	Trichloroethene	3	U	1	3	6	ug/Kg
78-87-5	1,2-Dichloropropane	3	U	0.31	3	6	ug/Kg
75-27-4	Bromodichloromethane	3	U	0.74	3	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	15	U	3.5	15	30	ug/Kg
108-88-3	Toluene	3	U	0.77	3	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3	U	0.95	3	6	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(6-8)RE	SDG No.:	D2546
Lab Sample ID:	D2546-08RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048311.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3	U	0.86	3	6	ug/Kg
79-00-5	1,1,2-Trichloroethane	3	U	1.1	3	6	ug/Kg
591-78-6	2-Hexanone	15	UQ	4.7	15	30	ug/Kg
124-48-1	Dibromochloromethane	3	U	0.65	3	6	ug/Kg
106-93-4	1,2-Dibromoethane	3	U	0.77	3	6	ug/Kg
127-18-4	Tetrachloroethene	3	UQ	1.2	3	6	ug/Kg
108-90-7	Chlorobenzene	3	U	0.6	3	6	ug/Kg
100-41-4	Ethyl Benzene	3	U	0.74	3	6	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.86	6	12	ug/Kg
95-47-6	o-Xylene	3	U	0.81	3	6	ug/Kg
100-42-5	Styrene	3	U	0.54	3	6	ug/Kg
75-25-2	Bromoform	3	U	0.89	3	6	ug/Kg
98-82-8	Isopropylbenzene	3	U	0.57	3	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3	U	0.55	3	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	3	U	0.44	3	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	3	U	0.49	3	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	3	U	0.74	3	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3	UQ	1	3	6	ug/Kg
120-82-1	1,2.4-Trichlorobenzene	3	U	0.84	3	6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3	UQ	0.6	3	6	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	64.2	*	56 - 120		128%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		57 - 135		109%	SPK: 50
2037-26-5	Toluene-d8	45.6		67 - 123		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		33 - 141		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	187328	6.55				
540-36-3	1,4-Difluorobenzene	332183	7.71				
3114-55-4	Chlorobenzene-d5	261210	10.75				
3855-82-1	1,4-Dichlorobenzene-d4	91854	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(6-8)RE	SDG No.:	D2546
Lab Sample ID:	D2546-08RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048311.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-4(9-2)	SDG No.:	D2546
Lab Sample ID:	D2546-09	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	13
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033162.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.85	U	0.74	2.85	5.7	ug/Kg
74-87-3	Chloromethane	2.85	U	0.98	2.85	5.7	ug/Kg
75-01-4	Vinyl Chloride	2.85	U	1.4	2.85	5.7	ug/Kg
74-83-9	Bromomethane	2.85	U	2.8	2.85	5.7	ug/Kg
75-00-3	Chloroethane	2.85	UQ	1.6	2.85	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	2.85	U	1.5	2.85	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.85	U	1.5	2.85	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	2.85	U	1.7	2.85	5.7	ug/Kg
67-64-1	Acetone	28	J	3.4	14	28	ug/Kg
75-15-0	Carbon Disulfide	2.85	U	1.2	2.85	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.85	U	1.1	2.85	5.7	ug/Kg
79-20-9	Methyl Acetate	2.85	U	1.7	2.85	5.7	ug/Kg
75-09-2	Methylene Chloride	2.85	U	1.6	2.85	5.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.85	U	0.78	2.85	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	2.85	U	1.1	2.85	5.7	ug/Kg
110-82-7	Cyclohexane	2.85	U	1.1	2.85	5.7	ug/Kg
78-93-3	2-Butanone	14	U	3.5	14	28	ug/Kg
56-23-5	Carbon Tetrachloride	2.85	U	1.1	2.85	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.85	U	1	2.85	5.7	ug/Kg
74-97-5	Bromochloromethane	2.85	U	0.9	2.85	5.7	ug/Kg
67-66-3	Chloroform	2.85	U	0.84	2.85	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.85	U	1	2.85	5.7	ug/Kg
108-87-2	Methylcyclohexane	2.85	U	1.2	2.85	5.7	ug/Kg
71-43-2	Benzene	2.85	U	0.43	2.85	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	2.85	U	0.73	2.85	5.7	ug/Kg
79-01-6	Trichloroethene	2.85	U	0.98	2.85	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	2.85	U	0.3	2.85	5.7	ug/Kg
75-27-4	Bromodichloromethane	2.85	U	0.7	2.85	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14	U	3.3	14	28	ug/Kg
108-88-3	Toluene	2.85	U	0.73	2.85	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.85	U	0.9	2.85	5.7	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-4(9-2)	SDG No.:	D2546
Lab Sample ID:	D2546-09	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	13
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033162.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.85	U	0.82	2.85	5.7	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.85	U	1	2.85	5.7	ug/Kg
591-78-6	2-Hexanone	14	U	4.5	14	28	ug/Kg
124-48-1	Dibromochloromethane	2.85	U	0.61	2.85	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	2.85	U	0.73	2.85	5.7	ug/Kg
127-18-4	Tetrachloroethene	2.85	U	1.1	2.85	5.7	ug/Kg
108-90-7	Chlorobenzene	2.85	U	0.57	2.85	5.7	ug/Kg
100-41-4	Ethyl Benzene	2.85	U	0.7	2.85	5.7	ug/Kg
179601-23-1	m/p-Xylenes	5.5	U	0.82	5.5	11	ug/Kg
95-47-6	o-Xylene	2.85	U	0.77	2.85	5.7	ug/Kg
100-42-5	Styrene	2.85	U	0.51	2.85	5.7	ug/Kg
75-25-2	Bromoform	2.85	U	0.84	2.85	5.7	ug/Kg
98-82-8	Isopropylbenzene	2.85	U	0.55	2.85	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.85	U	0.52	2.85	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.85	U	0.42	2.85	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.85	U	0.47	2.85	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.85	U	0.7	2.85	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.85	U	0.99	2.85	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.85	U	0.8	2.85	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.85	UQ	0.57	2.85	5.7	ug/Kg
123-91-1	1,4-Dioxane	55	U	55	55	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.7		56 - 120		101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		57 - 135		99%	SPK: 50
2037-26-5	Toluene-d8	49		67 - 123		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		33 - 141		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	191352	4.37				
540-36-3	1,4-Difluorobenzene	263726	5.12				
3114-55-4	Chlorobenzene-d5	280464	9.31				
3855-82-1	1,4-Dichlorobenzene-d4	145521	12.24				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-4(9-2)	SDG No.:	D2546
Lab Sample ID:	D2546-09	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	13
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033162.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-4(9-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-09RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	13
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048312.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.85	U	0.75	2.85	5.7	ug/Kg
74-87-3	Chloromethane	2.85	U	0.99	2.85	5.7	ug/Kg
75-01-4	Vinyl Chloride	2.85	U	1.4	2.85	5.7	ug/Kg
74-83-9	Bromomethane	2.85	U	2.8	2.85	5.7	ug/Kg
75-00-3	Chloroethane	2.85	U	1.6	2.85	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	2.85	U	1.5	2.85	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.85	U	1.5	2.85	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	2.85	U	1.7	2.85	5.7	ug/Kg
67-64-1	Acetone	21	J	3.5	14.5	29	ug/Kg
75-15-0	Carbon Disulfide	2.85	U	1.2	2.85	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.85	U	1.1	2.85	5.7	ug/Kg
79-20-9	Methyl Acetate	2.85	U	1.7	2.85	5.7	ug/Kg
75-09-2	Methylene Chloride	2.85	U	1.6	2.85	5.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.85	U	0.79	2.85	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	2.85	U	1.1	2.85	5.7	ug/Kg
110-82-7	Cyclohexane	2.85	U	1.2	2.85	5.7	ug/Kg
78-93-3	2-Butanone	14.5	U	3.6	14.5	29	ug/Kg
56-23-5	Carbon Tetrachloride	2.85	U	1.1	2.85	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.85	U	1	2.85	5.7	ug/Kg
74-97-5	Bromochloromethane	2.85	U	0.91	2.85	5.7	ug/Kg
67-66-3	Chloroform	2.85	U	0.85	2.85	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.85	U	1	2.85	5.7	ug/Kg
108-87-2	Methylcyclohexane	2.85	U	1.2	2.85	5.7	ug/Kg
71-43-2	Benzene	2.85	U	0.44	2.85	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	2.85	U	0.73	2.85	5.7	ug/Kg
79-01-6	Trichloroethene	2.85	U	0.99	2.85	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	2.85	U	0.3	2.85	5.7	ug/Kg
75-27-4	Bromodichloromethane	2.85	U	0.71	2.85	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14.5	U	3.3	14.5	29	ug/Kg
108-88-3	Toluene	2.85	U	0.73	2.85	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.85	U	0.91	2.85	5.7	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-4(9-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-09RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	13
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048312.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.85	U	0.83	2.85	5.7	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.85	U	1	2.85	5.7	ug/Kg
591-78-6	2-Hexanone	14.5	UQ	4.5	14.5	29	ug/Kg
124-48-1	Dibromochloromethane	2.85	U	0.62	2.85	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	2.85	U	0.73	2.85	5.7	ug/Kg
127-18-4	Tetrachloroethene	2.85	UQ	1.2	2.85	5.7	ug/Kg
108-90-7	Chlorobenzene	2.85	U	0.57	2.85	5.7	ug/Kg
100-41-4	Ethyl Benzene	2.85	U	0.71	2.85	5.7	ug/Kg
179601-23-1	m/p-Xylenes	5.5	U	0.83	5.5	11	ug/Kg
95-47-6	o-Xylene	2.85	U	0.78	2.85	5.7	ug/Kg
100-42-5	Styrene	2.85	U	0.52	2.85	5.7	ug/Kg
75-25-2	Bromoform	2.85	U	0.85	2.85	5.7	ug/Kg
98-82-8	Isopropylbenzene	2.85	U	0.55	2.85	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.85	U	0.53	2.85	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.85	U	0.42	2.85	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.85	U	0.47	2.85	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.85	U	0.71	2.85	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.85	UQ	1	2.85	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.85	U	0.8	2.85	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.85	UQ	0.57	2.85	5.7	ug/Kg
123-91-1	1,4-Dioxane	55	U	55	55	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	64.5	*	56 - 120		129%	SPK: 50
1868-53-7	Dibromofluoromethane	54		57 - 135		108%	SPK: 50
2037-26-5	Toluene-d8	47.1		67 - 123		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	44		33 - 141		88%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	204007	6.55				
540-36-3	1,4-Difluorobenzene	358708	7.71				
3114-55-4	Chlorobenzene-d5	285656	10.75				
3855-82-1	1,4-Dichlorobenzene-d4	88235	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-4(9-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-09RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	13
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048312.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-4(2-3)	SDG No.:	D2546
Lab Sample ID:	D2546-10	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	11
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033163.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.8	U	0.72	2.8	5.6	ug/Kg
74-87-3	Chloromethane	2.8	U	0.96	2.8	5.6	ug/Kg
75-01-4	Vinyl Chloride	2.8	U	1.4	2.8	5.6	ug/Kg
74-83-9	Bromomethane	2.8	U	2.7	2.8	5.6	ug/Kg
75-00-3	Chloroethane	2.8	UQ	1.6	2.8	5.6	ug/Kg
75-69-4	Trichlorofluoromethane	2.8	U	1.5	2.8	5.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.8	U	1.5	2.8	5.6	ug/Kg
75-35-4	1,1-Dichloroethene	2.8	U	1.6	2.8	5.6	ug/Kg
67-64-1	Acetone	18	J	3.4	14	28	ug/Kg
75-15-0	Carbon Disulfide	2.8	U	1.2	2.8	5.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.8	U	1.1	2.8	5.6	ug/Kg
79-20-9	Methyl Acetate	2.8	U	1.7	2.8	5.6	ug/Kg
75-09-2	Methylene Chloride	2.8	U	1.6	2.8	5.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.8	U	0.77	2.8	5.6	ug/Kg
75-34-3	1,1-Dichloroethane	2.8	U	1	2.8	5.6	ug/Kg
110-82-7	Cyclohexane	2.8	U	1.1	2.8	5.6	ug/Kg
78-93-3	2-Butanone	14	U	3.5	14	28	ug/Kg
56-23-5	Carbon Tetrachloride	2.8	U	1.1	2.8	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.8	U	0.99	2.8	5.6	ug/Kg
74-97-5	Bromochloromethane	2.8	U	0.88	2.8	5.6	ug/Kg
67-66-3	Chloroform	2.8	U	0.82	2.8	5.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.8	U	0.98	2.8	5.6	ug/Kg
108-87-2	Methylcyclohexane	2.8	U	1.2	2.8	5.6	ug/Kg
71-43-2	Benzene	2.8	U	0.42	2.8	5.6	ug/Kg
107-06-2	1,2-Dichloroethane	2.8	U	0.71	2.8	5.6	ug/Kg
79-01-6	Trichloroethene	2.8	U	0.96	2.8	5.6	ug/Kg
78-87-5	1,2-Dichloropropane	2.8	U	0.29	2.8	5.6	ug/Kg
75-27-4	Bromodichloromethane	2.8	U	0.69	2.8	5.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14	U	3.2	14	28	ug/Kg
108-88-3	Toluene	2.8	U	0.71	2.8	5.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.8	U	0.88	2.8	5.6	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-4(2-3)	SDG No.:	D2546
Lab Sample ID:	D2546-10	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	11
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033163.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.8	U	0.8	2.8	5.6	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.8	U	1	2.8	5.6	ug/Kg
591-78-6	2-Hexanone	14	U	4.4	14	28	ug/Kg
124-48-1	Dibromochloromethane	2.8	U	0.6	2.8	5.6	ug/Kg
106-93-4	1,2-Dibromoethane	2.8	U	0.71	2.8	5.6	ug/Kg
127-18-4	Tetrachloroethene	2.8	U	1.1	2.8	5.6	ug/Kg
108-90-7	Chlorobenzene	2.8	U	0.56	2.8	5.6	ug/Kg
100-41-4	Ethyl Benzene	2.8	U	0.69	2.8	5.6	ug/Kg
179601-23-1	m/p-Xylenes	5.5	U	0.8	5.5	11	ug/Kg
95-47-6	o-Xylene	2.8	U	0.76	2.8	5.6	ug/Kg
100-42-5	Styrene	2.8	U	0.5	2.8	5.6	ug/Kg
75-25-2	Bromoform	2.8	U	0.82	2.8	5.6	ug/Kg
98-82-8	Isopropylbenzene	2.8	U	0.53	2.8	5.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.8	U	0.51	2.8	5.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.8	U	0.41	2.8	5.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.8	U	0.46	2.8	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.8	U	0.69	2.8	5.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.8	U	0.97	2.8	5.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.8	U	0.78	2.8	5.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.8	UQ	0.56	2.8	5.6	ug/Kg
123-91-1	1,4-Dioxane	55	U	55	55	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.1		56 - 120		102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		57 - 135		103%	SPK: 50
2037-26-5	Toluene-d8	49.9		67 - 123		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		33 - 141		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	189767	4.38				
540-36-3	1,4-Difluorobenzene	264184	5.12				
3114-55-4	Chlorobenzene-d5	284490	9.32				
3855-82-1	1,4-Dichlorobenzene-d4	163710	12.23				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-4(2-3)	SDG No.:	D2546
Lab Sample ID:	D2546-10	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	11
Sample Wt/Vol:	5.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033163.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-4(2-3)RE	SDG No.:	D2546
Lab Sample ID:	D2546-10RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	11
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048313.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.8	U	0.73	2.8	5.6	ug/Kg
74-87-3	Chloromethane	2.8	U	0.96	2.8	5.6	ug/Kg
75-01-4	Vinyl Chloride	2.8	U	1.4	2.8	5.6	ug/Kg
74-83-9	Bromomethane	2.8	U	2.7	2.8	5.6	ug/Kg
75-00-3	Chloroethane	2.8	U	1.6	2.8	5.6	ug/Kg
75-69-4	Trichlorofluoromethane	2.8	U	1.5	2.8	5.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.8	U	1.5	2.8	5.6	ug/Kg
75-35-4	1,1-Dichloroethene	2.8	U	1.6	2.8	5.6	ug/Kg
67-64-1	Acetone	13	J	3.4	14	28	ug/Kg
75-15-0	Carbon Disulfide	2.8	U	1.2	2.8	5.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.8	U	1.1	2.8	5.6	ug/Kg
79-20-9	Methyl Acetate	2.8	U	1.7	2.8	5.6	ug/Kg
75-09-2	Methylene Chloride	2.8	U	1.6	2.8	5.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.8	U	0.77	2.8	5.6	ug/Kg
75-34-3	1,1-Dichloroethane	2.8	U	1.1	2.8	5.6	ug/Kg
110-82-7	Cyclohexane	2.8	U	1.1	2.8	5.6	ug/Kg
78-93-3	2-Butanone	14	U	3.5	14	28	ug/Kg
56-23-5	Carbon Tetrachloride	2.8	U	1.1	2.8	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.8	U	1	2.8	5.6	ug/Kg
74-97-5	Bromochloromethane	2.8	U	0.89	2.8	5.6	ug/Kg
67-66-3	Chloroform	2.8	U	0.83	2.8	5.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.8	U	0.99	2.8	5.6	ug/Kg
108-87-2	Methylcyclohexane	2.8	U	1.2	2.8	5.6	ug/Kg
71-43-2	Benzene	2.8	U	0.43	2.8	5.6	ug/Kg
107-06-2	1,2-Dichloroethane	2.8	U	0.72	2.8	5.6	ug/Kg
79-01-6	Trichloroethene	2.8	U	0.96	2.8	5.6	ug/Kg
78-87-5	1,2-Dichloropropane	2.8	U	0.29	2.8	5.6	ug/Kg
75-27-4	Bromodichloromethane	2.8	U	0.7	2.8	5.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14	U	3.3	14	28	ug/Kg
108-88-3	Toluene	2.8	U	0.72	2.8	5.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.8	U	0.89	2.8	5.6	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-4(2-3)RE	SDG No.:	D2546
Lab Sample ID:	D2546-10RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	11
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048313.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.8	U	0.81	2.8	5.6	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.8	U	1	2.8	5.6	ug/Kg
591-78-6	2-Hexanone	14	UQ	4.4	14	28	ug/Kg
124-48-1	Dibromochloromethane	2.8	U	0.61	2.8	5.6	ug/Kg
106-93-4	1,2-Dibromoethane	2.8	U	0.72	2.8	5.6	ug/Kg
127-18-4	Tetrachloroethene	2.8	UQ	1.1	2.8	5.6	ug/Kg
108-90-7	Chlorobenzene	2.8	U	0.56	2.8	5.6	ug/Kg
100-41-4	Ethyl Benzene	2.8	U	0.7	2.8	5.6	ug/Kg
179601-23-1	m/p-Xylenes	5.5	U	0.81	5.5	11	ug/Kg
95-47-6	o-Xylene	2.8	U	0.76	2.8	5.6	ug/Kg
100-42-5	Styrene	2.8	U	0.5	2.8	5.6	ug/Kg
75-25-2	Bromoform	2.8	U	0.83	2.8	5.6	ug/Kg
98-82-8	Isopropylbenzene	2.8	U	0.54	2.8	5.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.8	U	0.52	2.8	5.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.8	U	0.41	2.8	5.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.8	U	0.46	2.8	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.8	U	0.7	2.8	5.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.8	UQ	0.98	2.8	5.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.8	U	0.78	2.8	5.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.8	UQ	0.56	2.8	5.6	ug/Kg
123-91-1	1,4-Dioxane	55	U	55	55	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	62.7	*	56 - 120		125%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		57 - 135		108%	SPK: 50
2037-26-5	Toluene-d8	47.2		67 - 123		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		33 - 141		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	178689	6.56				
540-36-3	1,4-Difluorobenzene	311919	7.7				
3114-55-4	Chlorobenzene-d5	248305	10.74				
3855-82-1	1,4-Dichlorobenzene-d4	94926	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-4(2-3)RE	SDG No.:	D2546
Lab Sample ID:	D2546-10RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	11
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048313.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(9-2)	SDG No.:	D2546
Lab Sample ID:	D2546-11	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	14
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033164.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.9	U	0.76	2.9	5.8	ug/Kg
74-87-3	Chloromethane	2.9	U	1	2.9	5.8	ug/Kg
75-01-4	Vinyl Chloride	2.9	U	1.4	2.9	5.8	ug/Kg
74-83-9	Bromomethane	2.9	U	2.8	2.9	5.8	ug/Kg
75-00-3	Chloroethane	2.9	UQ	1.6	2.9	5.8	ug/Kg
75-69-4	Trichlorofluoromethane	2.9	U	1.5	2.9	5.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.9	U	1.5	2.9	5.8	ug/Kg
75-35-4	1,1-Dichloroethene	2.9	U	1.7	2.9	5.8	ug/Kg
67-64-1	Acetone	25	J	3.5	14.5	29	ug/Kg
75-15-0	Carbon Disulfide	2.9	U	1.2	2.9	5.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.9	U	1.1	2.9	5.8	ug/Kg
79-20-9	Methyl Acetate	2.9	U	1.8	2.9	5.8	ug/Kg
75-09-2	Methylene Chloride	2.9	U	1.7	2.9	5.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.9	U	0.8	2.9	5.8	ug/Kg
75-34-3	1,1-Dichloroethane	2.9	U	1.1	2.9	5.8	ug/Kg
110-82-7	Cyclohexane	2.9	U	1.2	2.9	5.8	ug/Kg
78-93-3	2-Butanone	14.5	U	3.6	14.5	29	ug/Kg
56-23-5	Carbon Tetrachloride	2.9	U	1.2	2.9	5.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.9	U	1	2.9	5.8	ug/Kg
74-97-5	Bromochloromethane	2.9	U	0.92	2.9	5.8	ug/Kg
67-66-3	Chloroform	2.9	U	0.86	2.9	5.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.9	U	1	2.9	5.8	ug/Kg
108-87-2	Methylcyclohexane	2.9	U	1.2	2.9	5.8	ug/Kg
71-43-2	Benzene	2.9	U	0.44	2.9	5.8	ug/Kg
107-06-2	1,2-Dichloroethane	2.9	U	0.74	2.9	5.8	ug/Kg
79-01-6	Trichloroethene	2.9	U	1	2.9	5.8	ug/Kg
78-87-5	1,2-Dichloropropane	2.9	U	0.3	2.9	5.8	ug/Kg
75-27-4	Bromodichloromethane	2.9	U	0.72	2.9	5.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14.5	U	3.4	14.5	29	ug/Kg
108-88-3	Toluene	2.9	U	0.74	2.9	5.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.9	U	0.92	2.9	5.8	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(9-2)	SDG No.:	D2546
Lab Sample ID:	D2546-11	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	14
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033164.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.9	U	0.84	2.9	5.8	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.9	U	1	2.9	5.8	ug/Kg
591-78-6	2-Hexanone	14.5	U	4.6	14.5	29	ug/Kg
124-48-1	Dibromochloromethane	2.9	U	0.63	2.9	5.8	ug/Kg
106-93-4	1,2-Dibromoethane	2.9	U	0.74	2.9	5.8	ug/Kg
127-18-4	Tetrachloroethene	2.9	U	1.2	2.9	5.8	ug/Kg
108-90-7	Chlorobenzene	2.9	U	0.58	2.9	5.8	ug/Kg
100-41-4	Ethyl Benzene	2.9	U	0.72	2.9	5.8	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.84	6	12	ug/Kg
95-47-6	o-Xylene	2.9	U	0.79	2.9	5.8	ug/Kg
100-42-5	Styrene	2.9	U	0.52	2.9	5.8	ug/Kg
75-25-2	Bromoform	2.9	U	0.86	2.9	5.8	ug/Kg
98-82-8	Isopropylbenzene	2.9	U	0.56	2.9	5.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.9	U	0.53	2.9	5.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.9	U	0.43	2.9	5.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.9	U	0.48	2.9	5.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.9	U	0.72	2.9	5.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.9	U	1	2.9	5.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.9	U	0.81	2.9	5.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.9	UQ	0.58	2.9	5.8	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47		56 - 120		94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		57 - 135		102%	SPK: 50
2037-26-5	Toluene-d8	49.4		67 - 123		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		33 - 141		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	191645	4.38				
540-36-3	1,4-Difluorobenzene	259367	5.12				
3114-55-4	Chlorobenzene-d5	275933	9.32				
3855-82-1	1,4-Dichlorobenzene-d4	146107	12.24				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(9-2)	SDG No.:	D2546
Lab Sample ID:	D2546-11	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	14
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033164.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(9-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-11RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	14
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048314.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.85	U	0.75	2.85	5.7	ug/Kg
74-87-3	Chloromethane	2.85	U	0.99	2.85	5.7	ug/Kg
75-01-4	Vinyl Chloride	2.85	U	1.4	2.85	5.7	ug/Kg
74-83-9	Bromomethane	2.85	U	2.8	2.85	5.7	ug/Kg
75-00-3	Chloroethane	2.85	U	1.6	2.85	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	2.85	U	1.5	2.85	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.85	U	1.5	2.85	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	2.85	U	1.7	2.85	5.7	ug/Kg
67-64-1	Acetone	20	J	3.5	14.5	29	ug/Kg
75-15-0	Carbon Disulfide	2.85	U	1.2	2.85	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.85	U	1.1	2.85	5.7	ug/Kg
79-20-9	Methyl Acetate	2.85	U	1.7	2.85	5.7	ug/Kg
75-09-2	Methylene Chloride	2.85	U	1.6	2.85	5.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.85	U	0.79	2.85	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	2.85	U	1.1	2.85	5.7	ug/Kg
110-82-7	Cyclohexane	2.85	U	1.2	2.85	5.7	ug/Kg
78-93-3	2-Butanone	14.5	U	3.6	14.5	29	ug/Kg
56-23-5	Carbon Tetrachloride	2.85	U	1.1	2.85	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.85	U	1	2.85	5.7	ug/Kg
74-97-5	Bromochloromethane	2.85	U	0.91	2.85	5.7	ug/Kg
67-66-3	Chloroform	2.85	U	0.85	2.85	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.85	U	1	2.85	5.7	ug/Kg
108-87-2	Methylcyclohexane	2.85	U	1.2	2.85	5.7	ug/Kg
71-43-2	Benzene	2.85	U	0.44	2.85	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	2.85	U	0.74	2.85	5.7	ug/Kg
79-01-6	Trichloroethene	2.85	U	0.99	2.85	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	2.85	U	0.3	2.85	5.7	ug/Kg
75-27-4	Bromodichloromethane	2.85	U	0.71	2.85	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14.5	U	3.4	14.5	29	ug/Kg
108-88-3	Toluene	2.85	U	0.74	2.85	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.85	U	0.91	2.85	5.7	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(9-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-11RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	14
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048314.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.85	U	0.83	2.85	5.7	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.85	U	1	2.85	5.7	ug/Kg
591-78-6	2-Hexanone	14.5	UQ	4.5	14.5	29	ug/Kg
124-48-1	Dibromochloromethane	2.85	U	0.62	2.85	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	2.85	U	0.74	2.85	5.7	ug/Kg
127-18-4	Tetrachloroethene	2.85	UQ	1.2	2.85	5.7	ug/Kg
108-90-7	Chlorobenzene	2.85	U	0.57	2.85	5.7	ug/Kg
100-41-4	Ethyl Benzene	2.85	U	0.71	2.85	5.7	ug/Kg
179601-23-1	m/p-Xylenes	5.5	U	0.83	5.5	11	ug/Kg
95-47-6	o-Xylene	2.85	U	0.78	2.85	5.7	ug/Kg
100-42-5	Styrene	2.85	U	0.52	2.85	5.7	ug/Kg
75-25-2	Bromoform	2.85	U	0.85	2.85	5.7	ug/Kg
98-82-8	Isopropylbenzene	2.85	U	0.55	2.85	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.85	U	0.53	2.85	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.85	U	0.43	2.85	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.85	U	0.47	2.85	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.85	U	0.71	2.85	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.85	UQ	1	2.85	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.85	U	0.8	2.85	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.85	UQ	0.57	2.85	5.7	ug/Kg
123-91-1	1,4-Dioxane	55	U	55	55	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	64.2	*	56 - 120		128%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		57 - 135		108%	SPK: 50
2037-26-5	Toluene-d8	47.9		67 - 123		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		33 - 141		83%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	171730	6.55				
540-36-3	1,4-Difluorobenzene	305502	7.7				
3114-55-4	Chlorobenzene-d5	230536	10.74				
3855-82-1	1,4-Dichlorobenzene-d4	74998	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(9-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-11RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	14
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048314.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(2-3.5)	SDG No.:	D2546
Lab Sample ID:	D2546-12	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033165.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.95	U	0.76	2.95	5.9	ug/Kg
74-87-3	Chloromethane	2.95	U	1	2.95	5.9	ug/Kg
75-01-4	Vinyl Chloride	2.95	U	1.4	2.95	5.9	ug/Kg
74-83-9	Bromomethane	2.95	U	2.9	2.95	5.9	ug/Kg
75-00-3	Chloroethane	2.95	UQ	1.6	2.95	5.9	ug/Kg
75-69-4	Trichlorofluoromethane	2.95	U	1.6	2.95	5.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.95	U	1.6	2.95	5.9	ug/Kg
75-35-4	1,1-Dichloroethene	2.95	U	1.7	2.95	5.9	ug/Kg
67-64-1	Acetone	15	J	3.6	14.5	29	ug/Kg
75-15-0	Carbon Disulfide	2.95	U	1.2	2.95	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.95	U	1.1	2.95	5.9	ug/Kg
79-20-9	Methyl Acetate	2.95	U	1.8	2.95	5.9	ug/Kg
75-09-2	Methylene Chloride	2.95	U	1.7	2.95	5.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.95	U	0.81	2.95	5.9	ug/Kg
75-34-3	1,1-Dichloroethane	2.95	U	1.1	2.95	5.9	ug/Kg
110-82-7	Cyclohexane	2.95	U	1.2	2.95	5.9	ug/Kg
78-93-3	2-Butanone	14.5	U	3.7	14.5	29	ug/Kg
56-23-5	Carbon Tetrachloride	2.95	U	1.2	2.95	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.95	U	1	2.95	5.9	ug/Kg
74-97-5	Bromochloromethane	2.95	U	0.93	2.95	5.9	ug/Kg
67-66-3	Chloroform	2.95	U	0.87	2.95	5.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.95	U	1	2.95	5.9	ug/Kg
108-87-2	Methylcyclohexane	2.95	U	1.2	2.95	5.9	ug/Kg
71-43-2	Benzene	2.95	U	0.45	2.95	5.9	ug/Kg
107-06-2	1,2-Dichloroethane	2.95	U	0.75	2.95	5.9	ug/Kg
79-01-6	Trichloroethene	2.95	U	1	2.95	5.9	ug/Kg
78-87-5	1,2-Dichloropropane	2.95	U	0.31	2.95	5.9	ug/Kg
75-27-4	Bromodichloromethane	2.95	U	0.73	2.95	5.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14.5	U	3.4	14.5	29	ug/Kg
108-88-3	Toluene	2.95	U	0.75	2.95	5.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.95	U	0.93	2.95	5.9	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(2-3.5)	SDG No.:	D2546
Lab Sample ID:	D2546-12	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033165.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.95	U	0.85	2.95	5.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.95	U	1.1	2.95	5.9	ug/Kg
591-78-6	2-Hexanone	14.5	U	4.6	14.5	29	ug/Kg
124-48-1	Dibromochloromethane	2.95	U	0.64	2.95	5.9	ug/Kg
106-93-4	1,2-Dibromoethane	2.95	U	0.75	2.95	5.9	ug/Kg
127-18-4	Tetrachloroethene	2.95	U	1.2	2.95	5.9	ug/Kg
108-90-7	Chlorobenzene	2.95	U	0.59	2.95	5.9	ug/Kg
100-41-4	Ethyl Benzene	2.95	U	0.73	2.95	5.9	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.85	6	12	ug/Kg
95-47-6	o-Xylene	2.95	U	0.8	2.95	5.9	ug/Kg
100-42-5	Styrene	2.95	U	0.53	2.95	5.9	ug/Kg
75-25-2	Bromoform	2.95	U	0.87	2.95	5.9	ug/Kg
98-82-8	Isopropylbenzene	2.95	U	0.56	2.95	5.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.95	U	0.54	2.95	5.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.95	U	0.44	2.95	5.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.95	U	0.48	2.95	5.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.95	U	0.73	2.95	5.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.95	U	1	2.95	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.95	U	0.82	2.95	5.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.95	UQ	0.59	2.95	5.9	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.5		56 - 120		97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		57 - 135		100%	SPK: 50
2037-26-5	Toluene-d8	49.2		67 - 123		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3		33 - 141		113%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	188262	4.38				
540-36-3	1,4-Difluorobenzene	263658	5.12				
3114-55-4	Chlorobenzene-d5	286787	9.32				
3855-82-1	1,4-Dichlorobenzene-d4	164285	12.23				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(2-3.5)	SDG No.:	D2546
Lab Sample ID:	D2546-12	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033165.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(2-3.5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-12RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048315.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.95	U	0.76	2.95	5.9	ug/Kg
74-87-3	Chloromethane	2.95	U	1	2.95	5.9	ug/Kg
75-01-4	Vinyl Chloride	2.95	U	1.4	2.95	5.9	ug/Kg
74-83-9	Bromomethane	2.95	U	2.9	2.95	5.9	ug/Kg
75-00-3	Chloroethane	2.95	U	1.6	2.95	5.9	ug/Kg
75-69-4	Trichlorofluoromethane	2.95	U	1.6	2.95	5.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.95	U	1.6	2.95	5.9	ug/Kg
75-35-4	1,1-Dichloroethene	2.95	U	1.7	2.95	5.9	ug/Kg
67-64-1	Acetone	22	J	3.6	14.5	29	ug/Kg
75-15-0	Carbon Disulfide	2.95	U	1.2	2.95	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.95	U	1.1	2.95	5.9	ug/Kg
79-20-9	Methyl Acetate	2.95	U	1.8	2.95	5.9	ug/Kg
75-09-2	Methylene Chloride	2.95	U	1.7	2.95	5.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.95	U	0.81	2.95	5.9	ug/Kg
75-34-3	1,1-Dichloroethane	2.95	U	1.1	2.95	5.9	ug/Kg
110-82-7	Cyclohexane	2.95	U	1.2	2.95	5.9	ug/Kg
78-93-3	2-Butanone	14.5	U	3.7	14.5	29	ug/Kg
56-23-5	Carbon Tetrachloride	2.95	U	1.2	2.95	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.95	U	1	2.95	5.9	ug/Kg
74-97-5	Bromochloromethane	2.95	U	0.93	2.95	5.9	ug/Kg
67-66-3	Chloroform	2.95	U	0.87	2.95	5.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.95	U	1	2.95	5.9	ug/Kg
108-87-2	Methylcyclohexane	2.95	U	1.2	2.95	5.9	ug/Kg
71-43-2	Benzene	2.95	U	0.45	2.95	5.9	ug/Kg
107-06-2	1,2-Dichloroethane	2.95	U	0.75	2.95	5.9	ug/Kg
79-01-6	Trichloroethene	2.95	U	1	2.95	5.9	ug/Kg
78-87-5	1,2-Dichloropropane	2.95	U	0.31	2.95	5.9	ug/Kg
75-27-4	Bromodichloromethane	2.95	U	0.73	2.95	5.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14.5	U	3.4	14.5	29	ug/Kg
108-88-3	Toluene	2.95	U	0.75	2.95	5.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.95	U	0.93	2.95	5.9	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(2-3.5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-12RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048315.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.95	U	0.85	2.95	5.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.95	U	1.1	2.95	5.9	ug/Kg
591-78-6	2-Hexanone	14.5	UQ	4.6	14.5	29	ug/Kg
124-48-1	Dibromochloromethane	2.95	U	0.64	2.95	5.9	ug/Kg
106-93-4	1,2-Dibromoethane	2.95	U	0.75	2.95	5.9	ug/Kg
127-18-4	Tetrachloroethene	2.95	UQ	1.2	2.95	5.9	ug/Kg
108-90-7	Chlorobenzene	2.95	U	0.59	2.95	5.9	ug/Kg
100-41-4	Ethyl Benzene	2.95	U	0.73	2.95	5.9	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.85	6	12	ug/Kg
95-47-6	o-Xylene	2.95	U	0.8	2.95	5.9	ug/Kg
100-42-5	Styrene	2.95	U	0.53	2.95	5.9	ug/Kg
75-25-2	Bromoform	2.95	U	0.87	2.95	5.9	ug/Kg
98-82-8	Isopropylbenzene	2.95	U	0.56	2.95	5.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.95	U	0.54	2.95	5.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.95	U	0.44	2.95	5.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.95	U	0.48	2.95	5.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.95	U	0.73	2.95	5.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.95	UQ	1	2.95	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.95	U	0.82	2.95	5.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.95	UQ	0.59	2.95	5.9	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	66.5	*	56 - 120		133%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		57 - 135		110%	SPK: 50
2037-26-5	Toluene-d8	49.1		67 - 123		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.9		33 - 141		88%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	158886	6.55				
540-36-3	1,4-Difluorobenzene	286050	7.7				
3114-55-4	Chlorobenzene-d5	215846	10.75				
3855-82-1	1,4-Dichlorobenzene-d4	69066	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(2-3.5)RE	SDG No.:	D2546
Lab Sample ID:	D2546-12RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048315.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(6-7)	SDG No.:	D2546
Lab Sample ID:	D2546-13	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	8
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033166.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.7	U	0.71	2.7	5.4	ug/Kg
74-87-3	Chloromethane	2.7	U	0.93	2.7	5.4	ug/Kg
75-01-4	Vinyl Chloride	2.7	U	1.3	2.7	5.4	ug/Kg
74-83-9	Bromomethane	2.7	U	2.7	2.7	5.4	ug/Kg
75-00-3	Chloroethane	2.7	UQ	1.5	2.7	5.4	ug/Kg
75-69-4	Trichlorofluoromethane	2.7	U	1.4	2.7	5.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.7	U	1.4	2.7	5.4	ug/Kg
75-35-4	1,1-Dichloroethene	2.7	U	1.6	2.7	5.4	ug/Kg
67-64-1	Acetone	17	J	3.3	13.5	27	ug/Kg
75-15-0	Carbon Disulfide	2.7	U	1.1	2.7	5.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.7	U	1	2.7	5.4	ug/Kg
79-20-9	Methyl Acetate	2.7	U	1.6	2.7	5.4	ug/Kg
75-09-2	Methylene Chloride	2.7	U	1.5	2.7	5.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.7	U	0.75	2.7	5.4	ug/Kg
75-34-3	1,1-Dichloroethane	2.7	U	1	2.7	5.4	ug/Kg
110-82-7	Cyclohexane	2.7	U	1.1	2.7	5.4	ug/Kg
78-93-3	2-Butanone	13.5	U	3.4	13.5	27	ug/Kg
56-23-5	Carbon Tetrachloride	2.7	U	1.1	2.7	5.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.7	U	0.97	2.7	5.4	ug/Kg
74-97-5	Bromochloromethane	2.7	U	0.86	2.7	5.4	ug/Kg
67-66-3	Chloroform	2.7	U	0.8	2.7	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.7	U	0.95	2.7	5.4	ug/Kg
108-87-2	Methylcyclohexane	2.7	U	1.1	2.7	5.4	ug/Kg
71-43-2	Benzene	2.7	U	0.41	2.7	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	2.7	U	0.69	2.7	5.4	ug/Kg
79-01-6	Trichloroethene	2.7	U	0.93	2.7	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	2.7	U	0.28	2.7	5.4	ug/Kg
75-27-4	Bromodichloromethane	2.7	U	0.67	2.7	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	13.5	U	3.2	13.5	27	ug/Kg
108-88-3	Toluene	2.7	U	0.69	2.7	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.7	U	0.86	2.7	5.4	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(6-7)	SDG No.:	D2546
Lab Sample ID:	D2546-13	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	8
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033166.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.7	U	0.78	2.7	5.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.7	U	0.98	2.7	5.4	ug/Kg
591-78-6	2-Hexanone	13.5	U	4.3	13.5	27	ug/Kg
124-48-1	Dibromochloromethane	2.7	U	0.59	2.7	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	2.7	U	0.69	2.7	5.4	ug/Kg
127-18-4	Tetrachloroethene	2.7	U	1.1	2.7	5.4	ug/Kg
108-90-7	Chlorobenzene	2.7	U	0.54	2.7	5.4	ug/Kg
100-41-4	Ethyl Benzene	2.7	U	0.67	2.7	5.4	ug/Kg
179601-23-1	m/p-Xylenes	5.5	U	0.78	5.5	11	ug/Kg
95-47-6	o-Xylene	2.7	U	0.74	2.7	5.4	ug/Kg
100-42-5	Styrene	2.7	U	0.49	2.7	5.4	ug/Kg
75-25-2	Bromoform	2.7	U	0.8	2.7	5.4	ug/Kg
98-82-8	Isopropylbenzene	2.7	U	0.52	2.7	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.7	U	0.5	2.7	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.7	U	0.4	2.7	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.7	U	0.44	2.7	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.7	U	0.67	2.7	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.7	U	0.94	2.7	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.7	U	0.76	2.7	5.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.7	UQ	0.54	2.7	5.4	ug/Kg
123-91-1	1,4-Dioxane	55	U	55	55	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.6		56 - 120		95%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		57 - 135		101%	SPK: 50
2037-26-5	Toluene-d8	49.6		67 - 123		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		33 - 141		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	183455	4.36				
540-36-3	1,4-Difluorobenzene	252128	5.11				
3114-55-4	Chlorobenzene-d5	278051	9.32				
3855-82-1	1,4-Dichlorobenzene-d4	154484	12.24				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(6-7)	SDG No.:	D2546
Lab Sample ID:	D2546-13	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	8
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033166.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(6-7)RE	SDG No.:	D2546
Lab Sample ID:	D2546-13RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	8
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048316.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.7	U	0.7	2.7	5.4	ug/Kg
74-87-3	Chloromethane	2.7	U	0.93	2.7	5.4	ug/Kg
75-01-4	Vinyl Chloride	2.7	U	1.3	2.7	5.4	ug/Kg
74-83-9	Bromomethane	2.7	U	2.6	2.7	5.4	ug/Kg
75-00-3	Chloroethane	2.7	U	1.5	2.7	5.4	ug/Kg
75-69-4	Trichlorofluoromethane	2.7	U	1.4	2.7	5.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.7	U	1.4	2.7	5.4	ug/Kg
75-35-4	1,1-Dichloroethene	2.7	U	1.6	2.7	5.4	ug/Kg
67-64-1	Acetone	11	J	3.3	13.5	27	ug/Kg
75-15-0	Carbon Disulfide	2.7	U	1.1	2.7	5.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.7	U	1	2.7	5.4	ug/Kg
79-20-9	Methyl Acetate	2.7	U	1.6	2.7	5.4	ug/Kg
75-09-2	Methylene Chloride	2.7	U	1.5	2.7	5.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.7	U	0.74	2.7	5.4	ug/Kg
75-34-3	1,1-Dichloroethane	2.7	U	1	2.7	5.4	ug/Kg
110-82-7	Cyclohexane	2.7	U	1.1	2.7	5.4	ug/Kg
78-93-3	2-Butanone	13.5	U	3.4	13.5	27	ug/Kg
56-23-5	Carbon Tetrachloride	2.7	U	1.1	2.7	5.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.7	U	0.96	2.7	5.4	ug/Kg
74-97-5	Bromochloromethane	2.7	U	0.85	2.7	5.4	ug/Kg
67-66-3	Chloroform	2.7	U	0.8	2.7	5.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.7	U	0.95	2.7	5.4	ug/Kg
108-87-2	Methylcyclohexane	2.7	U	1.1	2.7	5.4	ug/Kg
71-43-2	Benzene	2.7	U	0.41	2.7	5.4	ug/Kg
107-06-2	1,2-Dichloroethane	2.7	U	0.69	2.7	5.4	ug/Kg
79-01-6	Trichloroethene	2.7	U	0.93	2.7	5.4	ug/Kg
78-87-5	1,2-Dichloropropane	2.7	U	0.28	2.7	5.4	ug/Kg
75-27-4	Bromodichloromethane	2.7	U	0.67	2.7	5.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	13.5	U	3.1	13.5	27	ug/Kg
108-88-3	Toluene	2.7	U	0.69	2.7	5.4	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.7	U	0.85	2.7	5.4	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(6-7)RE	SDG No.:	D2546
Lab Sample ID:	D2546-13RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	8
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048316.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.7	U	0.78	2.7	5.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.7	U	0.97	2.7	5.4	ug/Kg
591-78-6	2-Hexanone	13.5	UQ	4.2	13.5	27	ug/Kg
124-48-1	Dibromochloromethane	2.7	U	0.58	2.7	5.4	ug/Kg
106-93-4	1,2-Dibromoethane	2.7	U	0.69	2.7	5.4	ug/Kg
127-18-4	Tetrachloroethene	2.7	UQ	1.1	2.7	5.4	ug/Kg
108-90-7	Chlorobenzene	2.7	U	0.54	2.7	5.4	ug/Kg
100-41-4	Ethyl Benzene	2.7	U	0.67	2.7	5.4	ug/Kg
179601-23-1	m/p-Xylenes	5.5	U	0.78	5.5	11	ug/Kg
95-47-6	o-Xylene	2.7	U	0.73	2.7	5.4	ug/Kg
100-42-5	Styrene	2.7	U	0.49	2.7	5.4	ug/Kg
75-25-2	Bromoform	2.7	U	0.8	2.7	5.4	ug/Kg
98-82-8	Isopropylbenzene	2.7	U	0.52	2.7	5.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.7	U	0.5	2.7	5.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.7	U	0.4	2.7	5.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.7	U	0.44	2.7	5.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.7	U	0.67	2.7	5.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.7	UQ	0.94	2.7	5.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.7	U	0.75	2.7	5.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.7	UQ	0.54	2.7	5.4	ug/Kg
123-91-1	1,4-Dioxane	55	U	55	55	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	64.1	*	56 - 120		128%	SPK: 50
1868-53-7	Dibromofluoromethane	54		57 - 135		108%	SPK: 50
2037-26-5	Toluene-d8	46.4		67 - 123		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		33 - 141		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	167108	6.55				
540-36-3	1,4-Difluorobenzene	301567	7.7				
3114-55-4	Chlorobenzene-d5	235025	10.74				
3855-82-1	1,4-Dichlorobenzene-d4	84054	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(6-7)RE	SDG No.:	D2546
Lab Sample ID:	D2546-13RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	8
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048316.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-5(13-2)	SDG No.:	D2546
Lab Sample ID:	D2546-14	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	12
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033167.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.85	U	0.74	2.85	5.7	ug/Kg
74-87-3	Chloromethane	2.85	U	0.98	2.85	5.7	ug/Kg
75-01-4	Vinyl Chloride	2.85	U	1.4	2.85	5.7	ug/Kg
74-83-9	Bromomethane	2.85	U	2.8	2.85	5.7	ug/Kg
75-00-3	Chloroethane	2.85	UQ	1.6	2.85	5.7	ug/Kg
75-69-4	Trichlorofluoromethane	2.85	U	1.5	2.85	5.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.85	U	1.5	2.85	5.7	ug/Kg
75-35-4	1,1-Dichloroethene	2.85	U	1.7	2.85	5.7	ug/Kg
67-64-1	Acetone	56		3.4	14	28	ug/Kg
75-15-0	Carbon Disulfide	2.85	U	1.2	2.85	5.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.85	U	1.1	2.85	5.7	ug/Kg
79-20-9	Methyl Acetate	2.85	U	1.7	2.85	5.7	ug/Kg
75-09-2	Methylene Chloride	2.85	U	1.6	2.85	5.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.85	U	0.78	2.85	5.7	ug/Kg
75-34-3	1,1-Dichloroethane	2.85	U	1.1	2.85	5.7	ug/Kg
110-82-7	Cyclohexane	2.85	U	1.1	2.85	5.7	ug/Kg
78-93-3	2-Butanone	14	U	3.5	14	28	ug/Kg
56-23-5	Carbon Tetrachloride	2.85	U	1.1	2.85	5.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.85	U	1	2.85	5.7	ug/Kg
74-97-5	Bromochloromethane	2.85	U	0.9	2.85	5.7	ug/Kg
67-66-3	Chloroform	2.85	U	0.84	2.85	5.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.85	U	1	2.85	5.7	ug/Kg
108-87-2	Methylcyclohexane	2.85	U	1.2	2.85	5.7	ug/Kg
71-43-2	Benzene	2.85	U	0.43	2.85	5.7	ug/Kg
107-06-2	1,2-Dichloroethane	2.85	U	0.73	2.85	5.7	ug/Kg
79-01-6	Trichloroethene	2.85	U	0.98	2.85	5.7	ug/Kg
78-87-5	1,2-Dichloropropane	2.85	U	0.29	2.85	5.7	ug/Kg
75-27-4	Bromodichloromethane	2.85	U	0.7	2.85	5.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14	U	3.3	14	28	ug/Kg
108-88-3	Toluene	19		0.73	2.85	5.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.85	U	0.9	2.85	5.7	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-5(13-2)	SDG No.:	D2546
Lab Sample ID:	D2546-14	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	12
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033167.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.85	U	0.82	2.85	5.7	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.85	U	1	2.85	5.7	ug/Kg
591-78-6	2-Hexanone	14	U	4.4	14	28	ug/Kg
124-48-1	Dibromochloromethane	2.85	U	0.61	2.85	5.7	ug/Kg
106-93-4	1,2-Dibromoethane	2.85	U	0.73	2.85	5.7	ug/Kg
127-18-4	Tetrachloroethene	2.85	U	1.1	2.85	5.7	ug/Kg
108-90-7	Chlorobenzene	2.85	U	0.57	2.85	5.7	ug/Kg
100-41-4	Ethyl Benzene	9.3		0.7	2.85	5.7	ug/Kg
179601-23-1	m/p-Xylenes	34		0.82	5.5	11	ug/Kg
95-47-6	o-Xylene	11		0.77	2.85	5.7	ug/Kg
100-42-5	Styrene	2.85	U	0.51	2.85	5.7	ug/Kg
75-25-2	Bromoform	2.85	U	0.84	2.85	5.7	ug/Kg
98-82-8	Isopropylbenzene	2.85	U	0.54	2.85	5.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.85	U	0.52	2.85	5.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.85	U	0.42	2.85	5.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.85	U	0.46	2.85	5.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.85	U	0.7	2.85	5.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.85	U	0.99	2.85	5.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.85	U	0.79	2.85	5.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.85	UQ	0.57	2.85	5.7	ug/Kg
123-91-1	1,4-Dioxane	55	U	55	55	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.2		56 - 120		94%	SPK: 50
1868-53-7	Dibromofluoromethane	35		57 - 135		70%	SPK: 50
2037-26-5	Toluene-d8	51.2		67 - 123		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.9		33 - 141		114%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	183573	4.36				
540-36-3	1,4-Difluorobenzene	250982	5.11				
3114-55-4	Chlorobenzene-d5	278021	9.31				
3855-82-1	1,4-Dichlorobenzene-d4	150655	12.24				
TENTATIVE IDENTIFIED COMPOUNDS							

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-5(13-2)	SDG No.:	D2546
Lab Sample ID:	D2546-14	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	12
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033167.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000071-36-3	1-Butanol	13	J			5.76	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-5(13-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-14RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	12
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048317.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.8	U	0.73	2.8	5.6	ug/Kg
74-87-3	Chloromethane	2.8	U	0.97	2.8	5.6	ug/Kg
75-01-4	Vinyl Chloride	2.8	U	1.4	2.8	5.6	ug/Kg
74-83-9	Bromomethane	2.8	U	2.8	2.8	5.6	ug/Kg
75-00-3	Chloroethane	2.8	U	1.6	2.8	5.6	ug/Kg
75-69-4	Trichlorofluoromethane	2.8	U	1.5	2.8	5.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.8	U	1.5	2.8	5.6	ug/Kg
75-35-4	1,1-Dichloroethene	2.8	U	1.7	2.8	5.6	ug/Kg
67-64-1	Acetone	110		3.4	14	28	ug/Kg
75-15-0	Carbon Disulfide	2.8	U	1.2	2.8	5.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.8	U	1.1	2.8	5.6	ug/Kg
79-20-9	Methyl Acetate	2.8	U	1.7	2.8	5.6	ug/Kg
75-09-2	Methylene Chloride	2.8	U	1.6	2.8	5.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.8	U	0.78	2.8	5.6	ug/Kg
75-34-3	1,1-Dichloroethane	2.8	U	1.1	2.8	5.6	ug/Kg
110-82-7	Cyclohexane	2.8	U	1.1	2.8	5.6	ug/Kg
78-93-3	2-Butanone	9.6	J	3.5	14	28	ug/Kg
56-23-5	Carbon Tetrachloride	2.8	U	1.1	2.8	5.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.8	U	1	2.8	5.6	ug/Kg
74-97-5	Bromochloromethane	2.8	U	0.89	2.8	5.6	ug/Kg
67-66-3	Chloroform	2.8	U	0.84	2.8	5.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.8	U	0.99	2.8	5.6	ug/Kg
108-87-2	Methylcyclohexane	2.8	U	1.2	2.8	5.6	ug/Kg
71-43-2	Benzene	2.8	U	0.43	2.8	5.6	ug/Kg
107-06-2	1,2-Dichloroethane	2.8	U	0.72	2.8	5.6	ug/Kg
79-01-6	Trichloroethene	2.8	U	0.97	2.8	5.6	ug/Kg
78-87-5	1,2-Dichloropropane	2.8	U	0.29	2.8	5.6	ug/Kg
75-27-4	Bromodichloromethane	2.8	U	0.7	2.8	5.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14	U	3.3	14	28	ug/Kg
108-88-3	Toluene	21		0.72	2.8	5.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.8	U	0.89	2.8	5.6	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-5(13-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-14RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	12
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048317.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.8	U	0.81	2.8	5.6	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.8	U	1	2.8	5.6	ug/Kg
591-78-6	2-Hexanone	14	UQ	4.4	14	28	ug/Kg
124-48-1	Dibromochloromethane	2.8	U	0.61	2.8	5.6	ug/Kg
106-93-4	1,2-Dibromoethane	2.8	U	0.72	2.8	5.6	ug/Kg
127-18-4	Tetrachloroethene	2.8	UQ	1.1	2.8	5.6	ug/Kg
108-90-7	Chlorobenzene	2.8	U	0.56	2.8	5.6	ug/Kg
100-41-4	Ethyl Benzene	9.7		0.7	2.8	5.6	ug/Kg
179601-23-1	m/p-Xylenes	34		0.81	5.5	11	ug/Kg
95-47-6	o-Xylene	12		0.77	2.8	5.6	ug/Kg
100-42-5	Styrene	2.8	U	0.51	2.8	5.6	ug/Kg
75-25-2	Bromoform	2.8	U	0.84	2.8	5.6	ug/Kg
98-82-8	Isopropylbenzene	2.8	U	0.54	2.8	5.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.8	U	0.52	2.8	5.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.8	U	0.42	2.8	5.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.8	U	0.46	2.8	5.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.8	U	0.7	2.8	5.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.8	UQ	0.98	2.8	5.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.8	U	0.79	2.8	5.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.8	UQ	0.56	2.8	5.6	ug/Kg
123-91-1	1,4-Dioxane	55	U	55	55	110	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	70.4	*	56 - 120		141%	SPK: 50
1868-53-7	Dibromofluoromethane	22.2	*	57 - 135		44%	SPK: 50
2037-26-5	Toluene-d8	49.2		67 - 123		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		33 - 141		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	159185	6.55				
540-36-3	1,4-Difluorobenzene	304799	7.7				
3114-55-4	Chlorobenzene-d5	251999	10.74				
3855-82-1	1,4-Dichlorobenzene-d4	98135	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-5(13-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-14RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	12
Sample Wt/Vol:	5.03 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048317.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-5(6-7)	SDG No.:	D2546
Lab Sample ID:	D2546-15	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033168.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3	U	0.78	3	6	ug/Kg
74-87-3	Chloromethane	3	U	1	3	6	ug/Kg
75-01-4	Vinyl Chloride	3	U	1.5	3	6	ug/Kg
74-83-9	Bromomethane	3	U	3	3	6	ug/Kg
75-00-3	Chloroethane	3	UQ	1.7	3	6	ug/Kg
75-69-4	Trichlorofluoromethane	3	U	1.6	3	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3	U	1.6	3	6	ug/Kg
75-35-4	1,1-Dichloroethene	3	U	1.8	3	6	ug/Kg
67-64-1	Acetone	15	U	3.6	15	30	ug/Kg
75-15-0	Carbon Disulfide	3	U	1.3	3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3	U	1.2	3	6	ug/Kg
79-20-9	Methyl Acetate	3	U	1.8	3	6	ug/Kg
75-09-2	Methylene Chloride	3	U	1.7	3	6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3	U	0.83	3	6	ug/Kg
75-34-3	1,1-Dichloroethane	3	U	1.1	3	6	ug/Kg
110-82-7	Cyclohexane	3	U	1.2	3	6	ug/Kg
78-93-3	2-Butanone	15	U	3.7	15	30	ug/Kg
56-23-5	Carbon Tetrachloride	3	U	1.2	3	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3	U	1.1	3	6	ug/Kg
74-97-5	Bromochloromethane	3	U	0.95	3	6	ug/Kg
67-66-3	Chloroform	3	U	0.89	3	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	3	U	1.1	3	6	ug/Kg
108-87-2	Methylcyclohexane	3	U	1.3	3	6	ug/Kg
71-43-2	Benzene	3	U	0.46	3	6	ug/Kg
107-06-2	1,2-Dichloroethane	3	U	0.77	3	6	ug/Kg
79-01-6	Trichloroethene	3	U	1	3	6	ug/Kg
78-87-5	1,2-Dichloropropane	3	U	0.31	3	6	ug/Kg
75-27-4	Bromodichloromethane	3	U	0.75	3	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	15	U	3.5	15	30	ug/Kg
108-88-3	Toluene	3	U	0.77	3	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3	U	0.95	3	6	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-5(6-7)	SDG No.:	D2546
Lab Sample ID:	D2546-15	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033168.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3	U	0.87	3	6	ug/Kg
79-00-5	1,1,2-Trichloroethane	3	U	1.1	3	6	ug/Kg
591-78-6	2-Hexanone	15	U	4.7	15	30	ug/Kg
124-48-1	Dibromochloromethane	3	U	0.65	3	6	ug/Kg
106-93-4	1,2-Dibromoethane	3	U	0.77	3	6	ug/Kg
127-18-4	Tetrachloroethene	3	U	1.2	3	6	ug/Kg
108-90-7	Chlorobenzene	3	U	0.6	3	6	ug/Kg
100-41-4	Ethyl Benzene	3	U	0.75	3	6	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.87	6	12	ug/Kg
95-47-6	o-Xylene	3	U	0.82	3	6	ug/Kg
100-42-5	Styrene	3	U	0.54	3	6	ug/Kg
75-25-2	Bromoform	3	U	0.89	3	6	ug/Kg
98-82-8	Isopropylbenzene	3	U	0.58	3	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3	U	0.55	3	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	3	U	0.45	3	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	3	U	0.49	3	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	3	U	0.75	3	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3	U	1	3	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3	U	0.84	3	6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3	UQ	0.6	3	6	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.1		56 - 120		108%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		57 - 135		107%	SPK: 50
2037-26-5	Toluene-d8	50.9		67 - 123		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	60.2		33 - 141		120%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	121231	4.38				
540-36-3	1,4-Difluorobenzene	166688	5.12				
3114-55-4	Chlorobenzene-d5	195063	9.32				
3855-82-1	1,4-Dichlorobenzene-d4	109089	12.23				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-5(6-7)	SDG No.:	D2546
Lab Sample ID:	D2546-15	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033168.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-5(6-7)RE	SDG No.:	D2546
Lab Sample ID:	D2546-15RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033252.D	1		05/15/12	VF051512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3	U	0.78	3	6	ug/Kg
74-87-3	Chloromethane	3	U	1	3	6	ug/Kg
75-01-4	Vinyl Chloride	3	U	1.5	3	6	ug/Kg
74-83-9	Bromomethane	3	U	2.9	3	6	ug/Kg
75-00-3	Chloroethane	3	U	1.7	3	6	ug/Kg
75-69-4	Trichlorofluoromethane	3	U	1.6	3	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3	U	1.6	3	6	ug/Kg
75-35-4	1,1-Dichloroethene	3	U	1.8	3	6	ug/Kg
67-64-1	Acetone	15	U	3.6	15	30	ug/Kg
75-15-0	Carbon Disulfide	3	U	1.3	3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3	UQ	1.1	3	6	ug/Kg
79-20-9	Methyl Acetate	3	U	1.8	3	6	ug/Kg
75-09-2	Methylene Chloride	3	U	1.7	3	6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3	U	0.82	3	6	ug/Kg
75-34-3	1,1-Dichloroethane	3	U	1.1	3	6	ug/Kg
110-82-7	Cyclohexane	3	U	1.2	3	6	ug/Kg
78-93-3	2-Butanone	15	UQ	3.7	15	30	ug/Kg
56-23-5	Carbon Tetrachloride	3	U	1.2	3	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3	U	1.1	3	6	ug/Kg
74-97-5	Bromochloromethane	3	U	0.94	3	6	ug/Kg
67-66-3	Chloroform	3	U	0.88	3	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	3	U	1.1	3	6	ug/Kg
108-87-2	Methylcyclohexane	3	U	1.3	3	6	ug/Kg
71-43-2	Benzene	3	UQ	0.45	3	6	ug/Kg
107-06-2	1,2-Dichloroethane	3	U	0.76	3	6	ug/Kg
79-01-6	Trichloroethene	3	U	1	3	6	ug/Kg
78-87-5	1,2-Dichloropropane	3	U	0.31	3	6	ug/Kg
75-27-4	Bromodichloromethane	3	U	0.74	3	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	15	UQ	3.5	15	30	ug/Kg
108-88-3	Toluene	3	U	0.76	3	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3	UQ	0.94	3	6	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-5(6-7)RE	SDG No.:	D2546
Lab Sample ID:	D2546-15RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033252.D	1		05/15/12	VF051512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3	U	0.86	3	6	ug/Kg
79-00-5	1,1,2-Trichloroethane	3	UQ	1.1	3	6	ug/Kg
591-78-6	2-Hexanone	15	UQ	4.7	15	30	ug/Kg
124-48-1	Dibromochloromethane	3	UQ	0.65	3	6	ug/Kg
106-93-4	1,2-Dibromoethane	3	UQ	0.76	3	6	ug/Kg
127-18-4	Tetrachloroethene	3	U	1.2	3	6	ug/Kg
108-90-7	Chlorobenzene	3	U	0.6	3	6	ug/Kg
100-41-4	Ethyl Benzene	3	U	0.74	3	6	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.86	6	12	ug/Kg
95-47-6	o-Xylene	3	U	0.81	3	6	ug/Kg
100-42-5	Styrene	3	U	0.54	3	6	ug/Kg
75-25-2	Bromoform	3	U	0.88	3	6	ug/Kg
98-82-8	Isopropylbenzene	3	U	0.57	3	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3	U	0.55	3	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	3	U	0.44	3	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	3	U	0.49	3	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	3	U	0.74	3	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3	UQ	1	3	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3	U	0.84	3	6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3	U	0.6	3	6	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51		56 - 120		102%	SPK: 50
1868-53-7	Dibromofluoromethane	47.3		57 - 135		95%	SPK: 50
2037-26-5	Toluene-d8	49.2		67 - 123		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.5		33 - 141		85%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	131166	4.38				
540-36-3	1,4-Difluorobenzene	227900	5.13				
3114-55-4	Chlorobenzene-d5	211703	9.33				
3855-82-1	1,4-Dichlorobenzene-d4	105744	12.24				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-5(6-7)RE	SDG No.:	D2546
Lab Sample ID:	D2546-15RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033252.D	1		05/15/12	VF051512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-6(10-2)	SDG No.:	D2546
Lab Sample ID:	D2546-16	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033169.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3	U	0.77	3	6	ug/Kg
74-87-3	Chloromethane	3	U	1	3	6	ug/Kg
75-01-4	Vinyl Chloride	3	U	1.5	3	6	ug/Kg
74-83-9	Bromomethane	3	U	2.9	3	6	ug/Kg
75-00-3	Chloroethane	3	UQ	1.7	3	6	ug/Kg
75-69-4	Trichlorofluoromethane	3	U	1.6	3	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3	U	1.6	3	6	ug/Kg
75-35-4	1,1-Dichloroethene	3	U	1.8	3	6	ug/Kg
67-64-1	Acetone	40		3.6	15	30	ug/Kg
75-15-0	Carbon Disulfide	3	U	1.3	3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3	U	1.1	3	6	ug/Kg
79-20-9	Methyl Acetate	3	U	1.8	3	6	ug/Kg
75-09-2	Methylene Chloride	3	U	1.7	3	6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3	U	0.82	3	6	ug/Kg
75-34-3	1,1-Dichloroethane	3	U	1.1	3	6	ug/Kg
110-82-7	Cyclohexane	3	U	1.2	3	6	ug/Kg
78-93-3	2-Butanone	15	U	3.7	15	30	ug/Kg
56-23-5	Carbon Tetrachloride	3	U	1.2	3	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3	U	1.1	3	6	ug/Kg
74-97-5	Bromochloromethane	3	U	0.94	3	6	ug/Kg
67-66-3	Chloroform	3	U	0.88	3	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	3	U	1	3	6	ug/Kg
108-87-2	Methylcyclohexane	3	U	1.3	3	6	ug/Kg
71-43-2	Benzene	3	U	0.45	3	6	ug/Kg
107-06-2	1,2-Dichloroethane	3	U	0.76	3	6	ug/Kg
79-01-6	Trichloroethene	3	U	1	3	6	ug/Kg
78-87-5	1,2-Dichloropropane	3	U	0.31	3	6	ug/Kg
75-27-4	Bromodichloromethane	3	U	0.74	3	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	15	U	3.5	15	30	ug/Kg
108-88-3	Toluene	3	U	0.76	3	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3	U	0.94	3	6	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-6(10-2)	SDG No.:	D2546
Lab Sample ID:	D2546-16	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033169.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3	U	0.86	3	6	ug/Kg
79-00-5	1,1,2-Trichloroethane	3	U	1.1	3	6	ug/Kg
591-78-6	2-Hexanone	15	U	4.7	15	30	ug/Kg
124-48-1	Dibromochloromethane	3	U	0.64	3	6	ug/Kg
106-93-4	1,2-Dibromoethane	3	U	0.76	3	6	ug/Kg
127-18-4	Tetrachloroethene	3	U	1.2	3	6	ug/Kg
108-90-7	Chlorobenzene	3	U	0.6	3	6	ug/Kg
100-41-4	Ethyl Benzene	3	U	0.74	3	6	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.86	6	12	ug/Kg
95-47-6	o-Xylene	3	U	0.81	3	6	ug/Kg
100-42-5	Styrene	3	U	0.54	3	6	ug/Kg
75-25-2	Bromoform	3	U	0.88	3	6	ug/Kg
98-82-8	Isopropylbenzene	3	U	0.57	3	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3	U	0.55	3	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	3	U	0.44	3	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	3	U	0.49	3	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	3	U	0.74	3	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3	U	1	3	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3	U	0.83	3	6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3	UQ	0.6	3	6	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.4		56 - 120		97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		57 - 135		98%	SPK: 50
2037-26-5	Toluene-d8	48.9		67 - 123		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		33 - 141		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	187280	4.38				
540-36-3	1,4-Difluorobenzene	267068	5.12				
3114-55-4	Chlorobenzene-d5	281114	9.32				
3855-82-1	1,4-Dichlorobenzene-d4	157197	12.24				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-6(10-2)	SDG No.:	D2546
Lab Sample ID:	D2546-16	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033169.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-6(10-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-16RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048319.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3	U	0.78	3	6	ug/Kg
74-87-3	Chloromethane	3	U	1	3	6	ug/Kg
75-01-4	Vinyl Chloride	3	U	1.5	3	6	ug/Kg
74-83-9	Bromomethane	3	U	2.9	3	6	ug/Kg
75-00-3	Chloroethane	3	U	1.7	3	6	ug/Kg
75-69-4	Trichlorofluoromethane	3	U	1.6	3	6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3	U	1.6	3	6	ug/Kg
75-35-4	1,1-Dichloroethene	3	U	1.8	3	6	ug/Kg
67-64-1	Acetone	45		3.6	15	30	ug/Kg
75-15-0	Carbon Disulfide	3	U	1.3	3	6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3	U	1.2	3	6	ug/Kg
79-20-9	Methyl Acetate	3	U	1.8	3	6	ug/Kg
75-09-2	Methylene Chloride	3	U	1.7	3	6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3	U	0.83	3	6	ug/Kg
75-34-3	1,1-Dichloroethane	3	U	1.1	3	6	ug/Kg
110-82-7	Cyclohexane	3	U	1.2	3	6	ug/Kg
78-93-3	2-Butanone	15	U	3.7	15	30	ug/Kg
56-23-5	Carbon Tetrachloride	3	U	1.2	3	6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3	U	1.1	3	6	ug/Kg
74-97-5	Bromochloromethane	3	U	0.95	3	6	ug/Kg
67-66-3	Chloroform	3	U	0.89	3	6	ug/Kg
71-55-6	1,1,1-Trichloroethane	3	U	1.1	3	6	ug/Kg
108-87-2	Methylcyclohexane	3	U	1.3	3	6	ug/Kg
71-43-2	Benzene	3	U	0.46	3	6	ug/Kg
107-06-2	1,2-Dichloroethane	3	U	0.77	3	6	ug/Kg
79-01-6	Trichloroethene	3	U	1	3	6	ug/Kg
78-87-5	1,2-Dichloropropane	3	U	0.31	3	6	ug/Kg
75-27-4	Bromodichloromethane	3	U	0.75	3	6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	15	U	3.5	15	30	ug/Kg
108-88-3	Toluene	3	U	0.77	3	6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3	U	0.95	3	6	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-6(10-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-16RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048319.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3	U	0.87	3	6	ug/Kg
79-00-5	1,1,2-Trichloroethane	3	U	1.1	3	6	ug/Kg
591-78-6	2-Hexanone	15	UQ	4.7	15	30	ug/Kg
124-48-1	Dibromochloromethane	3	U	0.65	3	6	ug/Kg
106-93-4	1,2-Dibromoethane	3	U	0.77	3	6	ug/Kg
127-18-4	Tetrachloroethene	3	UQ	1.2	3	6	ug/Kg
108-90-7	Chlorobenzene	3	U	0.6	3	6	ug/Kg
100-41-4	Ethyl Benzene	3	U	0.75	3	6	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.87	6	12	ug/Kg
95-47-6	o-Xylene	3	U	0.82	3	6	ug/Kg
100-42-5	Styrene	3	U	0.54	3	6	ug/Kg
75-25-2	Bromoform	3	U	0.89	3	6	ug/Kg
98-82-8	Isopropylbenzene	3	U	0.58	3	6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3	U	0.55	3	6	ug/Kg
541-73-1	1,3-Dichlorobenzene	3	U	0.44	3	6	ug/Kg
106-46-7	1,4-Dichlorobenzene	3	U	0.49	3	6	ug/Kg
95-50-1	1,2-Dichlorobenzene	3	U	0.75	3	6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3	UQ	1	3	6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3	U	0.84	3	6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3	UQ	0.6	3	6	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	70.4	*	56 - 120		141%	SPK: 50
1868-53-7	Dibromofluoromethane	55.3		57 - 135		111%	SPK: 50
2037-26-5	Toluene-d8	48.8		67 - 123		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		33 - 141		95%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	152541	6.55				
540-36-3	1,4-Difluorobenzene	276503	7.71				
3114-55-4	Chlorobenzene-d5	225955	10.74				
3855-82-1	1,4-Dichlorobenzene-d4	83326	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-6(10-2)RE	SDG No.:	D2546
Lab Sample ID:	D2546-16RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	17
Sample Wt/Vol:	5.01 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048319.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-6(2-3)	SDG No.:	D2546
Lab Sample ID:	D2546-17	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033170.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.9	U	0.76	2.9	5.8	ug/Kg
74-87-3	Chloromethane	2.9	U	1	2.9	5.8	ug/Kg
75-01-4	Vinyl Chloride	2.9	U	1.4	2.9	5.8	ug/Kg
74-83-9	Bromomethane	2.9	U	2.9	2.9	5.8	ug/Kg
75-00-3	Chloroethane	2.9	UQ	1.6	2.9	5.8	ug/Kg
75-69-4	Trichlorofluoromethane	2.9	U	1.5	2.9	5.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.9	U	1.6	2.9	5.8	ug/Kg
75-35-4	1,1-Dichloroethene	2.9	U	1.7	2.9	5.8	ug/Kg
67-64-1	Acetone	20	J	3.5	14.5	29	ug/Kg
75-15-0	Carbon Disulfide	2.9	U	1.2	2.9	5.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.9	U	1.1	2.9	5.8	ug/Kg
79-20-9	Methyl Acetate	2.9	U	1.8	2.9	5.8	ug/Kg
75-09-2	Methylene Chloride	2.9	U	1.7	2.9	5.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.9	U	0.81	2.9	5.8	ug/Kg
75-34-3	1,1-Dichloroethane	2.9	U	1.1	2.9	5.8	ug/Kg
110-82-7	Cyclohexane	2.9	U	1.2	2.9	5.8	ug/Kg
78-93-3	2-Butanone	14.5	U	3.6	14.5	29	ug/Kg
56-23-5	Carbon Tetrachloride	2.9	U	1.2	2.9	5.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.9	U	1	2.9	5.8	ug/Kg
74-97-5	Bromochloromethane	2.9	U	0.92	2.9	5.8	ug/Kg
67-66-3	Chloroform	2.9	U	0.86	2.9	5.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.9	U	1	2.9	5.8	ug/Kg
108-87-2	Methylcyclohexane	2.9	U	1.2	2.9	5.8	ug/Kg
71-43-2	Benzene	2.9	U	0.44	2.9	5.8	ug/Kg
107-06-2	1,2-Dichloroethane	2.9	U	0.75	2.9	5.8	ug/Kg
79-01-6	Trichloroethene	2.9	U	1	2.9	5.8	ug/Kg
78-87-5	1,2-Dichloropropane	2.9	U	0.3	2.9	5.8	ug/Kg
75-27-4	Bromodichloromethane	2.9	U	0.72	2.9	5.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14.5	U	3.4	14.5	29	ug/Kg
108-88-3	Toluene	2.9	U	0.75	2.9	5.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.9	U	0.92	2.9	5.8	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-6(2-3)	SDG No.:	D2546
Lab Sample ID:	D2546-17	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033170.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.9	U	0.84	2.9	5.8	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.9	U	1.1	2.9	5.8	ug/Kg
591-78-6	2-Hexanone	14.5	U	4.6	14.5	29	ug/Kg
124-48-1	Dibromochloromethane	2.9	U	0.63	2.9	5.8	ug/Kg
106-93-4	1,2-Dibromoethane	2.9	U	0.75	2.9	5.8	ug/Kg
127-18-4	Tetrachloroethene	2.9	U	1.2	2.9	5.8	ug/Kg
108-90-7	Chlorobenzene	2.9	U	0.58	2.9	5.8	ug/Kg
100-41-4	Ethyl Benzene	2.9	U	0.72	2.9	5.8	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.84	6	12	ug/Kg
95-47-6	o-Xylene	2.9	U	0.79	2.9	5.8	ug/Kg
100-42-5	Styrene	2.9	U	0.53	2.9	5.8	ug/Kg
75-25-2	Bromoform	2.9	U	0.86	2.9	5.8	ug/Kg
98-82-8	Isopropylbenzene	2.9	U	0.56	2.9	5.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.9	U	0.54	2.9	5.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.9	U	0.43	2.9	5.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.9	U	0.48	2.9	5.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.9	U	0.72	2.9	5.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.9	U	1	2.9	5.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.9	U	0.82	2.9	5.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.9	UQ	0.58	2.9	5.8	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.5		56 - 120		105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		57 - 135		103%	SPK: 50
2037-26-5	Toluene-d8	49.9		67 - 123		100%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.3		33 - 141		119%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	143312	4.38				
540-36-3	1,4-Difluorobenzene	202450	5.12				
3114-55-4	Chlorobenzene-d5	225981	9.32				
3855-82-1	1,4-Dichlorobenzene-d4	132487	12.24				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-6(2-3)	SDG No.:	D2546
Lab Sample ID:	D2546-17	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5.04 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033170.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-6(2-3)RE	SDG No.:	D2546
Lab Sample ID:	D2546-17RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048320.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.95	U	0.76	2.95	5.9	ug/Kg
74-87-3	Chloromethane	2.95	U	1	2.95	5.9	ug/Kg
75-01-4	Vinyl Chloride	2.95	U	1.4	2.95	5.9	ug/Kg
74-83-9	Bromomethane	2.95	U	2.9	2.95	5.9	ug/Kg
75-00-3	Chloroethane	2.95	U	1.6	2.95	5.9	ug/Kg
75-69-4	Trichlorofluoromethane	2.95	U	1.5	2.95	5.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.95	U	1.6	2.95	5.9	ug/Kg
75-35-4	1,1-Dichloroethene	2.95	U	1.7	2.95	5.9	ug/Kg
67-64-1	Acetone	16	J	3.5	14.5	29	ug/Kg
75-15-0	Carbon Disulfide	2.95	U	1.2	2.95	5.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.95	U	1.1	2.95	5.9	ug/Kg
79-20-9	Methyl Acetate	2.95	U	1.8	2.95	5.9	ug/Kg
75-09-2	Methylene Chloride	2.95	U	1.7	2.95	5.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.95	U	0.81	2.95	5.9	ug/Kg
75-34-3	1,1-Dichloroethane	2.95	U	1.1	2.95	5.9	ug/Kg
110-82-7	Cyclohexane	2.95	U	1.2	2.95	5.9	ug/Kg
78-93-3	2-Butanone	14.5	U	3.6	14.5	29	ug/Kg
56-23-5	Carbon Tetrachloride	2.95	U	1.2	2.95	5.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.95	U	1	2.95	5.9	ug/Kg
74-97-5	Bromochloromethane	2.95	U	0.93	2.95	5.9	ug/Kg
67-66-3	Chloroform	2.95	U	0.87	2.95	5.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.95	U	1	2.95	5.9	ug/Kg
108-87-2	Methylcyclohexane	2.95	U	1.2	2.95	5.9	ug/Kg
71-43-2	Benzene	2.95	U	0.45	2.95	5.9	ug/Kg
107-06-2	1,2-Dichloroethane	2.95	U	0.75	2.95	5.9	ug/Kg
79-01-6	Trichloroethene	2.95	U	1	2.95	5.9	ug/Kg
78-87-5	1,2-Dichloropropane	2.95	U	0.3	2.95	5.9	ug/Kg
75-27-4	Bromodichloromethane	2.95	U	0.73	2.95	5.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14.5	U	3.4	14.5	29	ug/Kg
108-88-3	Toluene	2.95	U	0.75	2.95	5.9	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.95	U	0.93	2.95	5.9	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-6(2-3)RE	SDG No.:	D2546
Lab Sample ID:	D2546-17RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048320.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.95	U	0.84	2.95	5.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.95	U	1.1	2.95	5.9	ug/Kg
591-78-6	2-Hexanone	14.5	UQ	4.6	14.5	29	ug/Kg
124-48-1	Dibromochloromethane	2.95	U	0.63	2.95	5.9	ug/Kg
106-93-4	1,2-Dibromoethane	2.95	U	0.75	2.95	5.9	ug/Kg
127-18-4	Tetrachloroethene	2.95	UQ	1.2	2.95	5.9	ug/Kg
108-90-7	Chlorobenzene	2.95	U	0.59	2.95	5.9	ug/Kg
100-41-4	Ethyl Benzene	2.95	U	0.73	2.95	5.9	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.84	6	12	ug/Kg
95-47-6	o-Xylene	2.95	U	0.8	2.95	5.9	ug/Kg
100-42-5	Styrene	2.95	U	0.53	2.95	5.9	ug/Kg
75-25-2	Bromoform	2.95	U	0.87	2.95	5.9	ug/Kg
98-82-8	Isopropylbenzene	2.95	U	0.56	2.95	5.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.95	U	0.54	2.95	5.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.95	U	0.43	2.95	5.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.95	U	0.48	2.95	5.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.95	U	0.73	2.95	5.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.95	UQ	1	2.95	5.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.95	U	0.82	2.95	5.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.95	UQ	0.59	2.95	5.9	ug/Kg
123-91-1	1,4-Dioxane	60	U	60	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	68.9	*	56 - 120		138%	SPK: 50
1868-53-7	Dibromofluoromethane	53		57 - 135		106%	SPK: 50
2037-26-5	Toluene-d8	47.4		67 - 123		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		33 - 141		97%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	161626	6.55				
540-36-3	1,4-Difluorobenzene	303839	7.7				
3114-55-4	Chlorobenzene-d5	241049	10.75				
3855-82-1	1,4-Dichlorobenzene-d4	92595	12.68				

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-6(2-3)RE	SDG No.:	D2546
Lab Sample ID:	D2546-17RE	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	15
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048320.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

Surrogate Summary

SDG No.: D2546

Client: Dvirka & Bartilucci

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
BSF0513S1	BSF0513S1	1,2-Dichloroethane-d4	50	49.95	100		61	141
		Dibromofluoromethane	50	52.61	105		69	133
		Toluene-d8	50	50.33	101		65	126
		4-Bromofluorobenzene	50	55.34	111		58	135
BSF0514S1	BSF0514S1	1,2-Dichloroethane-d4	50	51.96	104		56	120
		Dibromofluoromethane	50	52.89	106		57	135
		Toluene-d8	50	49.87	100		67	123
		4-Bromofluorobenzene	50	53.34	107		33	141
BSF0515S1	BSF0515S1	1,2-Dichloroethane-d4	50	55.39	111		56	120
		Dibromofluoromethane	50	61.49	123		57	135
		Toluene-d8	50	54.49	109		67	123
		4-Bromofluorobenzene	50	60.91	122		33	141
BSK0511S1	BSK0511S1	1,2-Dichloroethane-d4	50	57.55	115		55	158
		Dibromofluoromethane	50	52.93	106		53	156
		Toluene-d8	50	52.54	105		85	115
		4-Bromofluorobenzene	50	54.89	110		85	120
BSK0513S1	BSK0513S1	1,2-Dichloroethane-d4	50	58.58	117		56	120
		Dibromofluoromethane	50	56.17	112		57	135
		Toluene-d8	50	52.74	105		67	123
		4-Bromofluorobenzene	50	58.87	118		33	141
D2513-11MS	SEC-SB-08(6-8)MS	1,2-Dichloroethane-d4	50	60.35	121	*	56	120
		Dibromofluoromethane	50	56.16	112		57	135
		Toluene-d8	50	55.47	111		67	123
		4-Bromofluorobenzene	50	50.56	101		33	141
D2513-12MSD	SEC-SB-08(6-8)MSD	1,2-Dichloroethane-d4	50	60.77	122	*	56	120
		Dibromofluoromethane	50	56.56	113		57	135
		Toluene-d8	50	56.83	114		67	123
		4-Bromofluorobenzene	50	51.45	103		33	141
D2546-01	B-1(9-2)	1,2-Dichloroethane-d4	50	62.72	125	*	56	120
		Dibromofluoromethane	50	51.81	104		57	135
		Toluene-d8	50	50.07	100		67	123
		4-Bromofluorobenzene	50	47.99	96		33	141
D2546-01RE	B-1(9-2)RE	1,2-Dichloroethane-d4	50	66.14	132	*	56	120
		Dibromofluoromethane	50	54.2	108		57	135
		Toluene-d8	50	48.58	97		67	123
		4-Bromofluorobenzene	50	43.19	86		33	141
D2546-02	B-1(2-3.5)	1,2-Dichloroethane-d4	50	62.99	126	*	56	120
		Dibromofluoromethane	50	50.71	101		57	135
		Toluene-d8	50	49.74	99		67	123
		4-Bromofluorobenzene	50	55.32	111		33	141
D2546-02RE	B-1(2-3.5)RE	1,2-Dichloroethane-d4	50	67.14	134	*	56	120
		Dibromofluoromethane	50	53.23	106		57	135
		Toluene-d8	50	48.38	97		67	123
		4-Bromofluorobenzene	50	49.2	98		33	141
D2546-03	B-1(4-5.5)	1,2-Dichloroethane-d4	50	61.6	123	*	56	120
		Dibromofluoromethane	50	49.53	99		57	135
		Toluene-d8	50	49.41	99		67	123
		4-Bromofluorobenzene	50	52.28	105		33	141
D2546-03RE	B-1(4-5.5)RE	1,2-Dichloroethane-d4	50	67.29	135	*	56	120
		Dibromofluoromethane	50	53.1	106		57	135
		Toluene-d8	50	47.57	95		67	123
		4-Bromofluorobenzene	50	47.97	96		33	141

CHEMTECH

Surrogate Summary

SDG No.: D2546

Client: Dvirka & Bartilucci

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
D2546-04	B-1(6-7.5)	1,2-Dichloroethane-d4	50	60.8	122	*	56	120
		Dibromofluoromethane	50	49.56	99		57	135
		Toluene-d8	50	50.47	101		67	123
		4-Bromofluorobenzene	50	51.76	104		33	141
D2546-04RE	B-1(6-7.5)RE	1,2-Dichloroethane-d4	50	71.38	143	*	56	120
		Dibromofluoromethane	50	53.13	106		57	135
		Toluene-d8	50	46.79	94		67	123
		4-Bromofluorobenzene	50	46.14	92		33	141
D2546-05	B-2(8-2)	1,2-Dichloroethane-d4	50	63.99	128	*	56	120
		Dibromofluoromethane	50	53.9	108		57	135
		Toluene-d8	50	49.62	99		67	123
		4-Bromofluorobenzene	50	50.77	102		33	141
D2546-05RE	B-2(8-2)RE	1,2-Dichloroethane-d4	50	67.91	136	*	56	120
		Dibromofluoromethane	50	53.19	106		57	135
		Toluene-d8	50	47.93	96		67	123
		4-Bromofluorobenzene	50	43.76	88		33	141
D2546-06	B-2(2-3.5)	1,2-Dichloroethane-d4	50	66.29	133	*	56	120
		Dibromofluoromethane	50	56.19	112		57	135
		Toluene-d8	50	48.7	97		67	123
		4-Bromofluorobenzene	50	44.36	89		33	141
D2546-06RE	B-2(2-3.5)RE	1,2-Dichloroethane-d4	50	48.13	96		56	120
		Dibromofluoromethane	50	49.79	100		57	135
		Toluene-d8	50	48.58	97		67	123
		4-Bromofluorobenzene	50	47.08	94		33	141
D2546-07	B-2(4-5)	1,2-Dichloroethane-d4	50	47.58	95		56	120
		Dibromofluoromethane	50	50.44	101		57	135
		Toluene-d8	50	48.87	98		67	123
		4-Bromofluorobenzene	50	55.18	110		33	141
D2546-07RE	B-2(4-5)RE	1,2-Dichloroethane-d4	50	61.49	123	*	56	120
		Dibromofluoromethane	50	52.07	104		57	135
		Toluene-d8	50	46.98	94		67	123
		4-Bromofluorobenzene	50	48.68	97		33	141
D2546-08	B-2(6-8)	1,2-Dichloroethane-d4	50	48.75	98		56	120
		Dibromofluoromethane	50	50.95	102		57	135
		Toluene-d8	50	50.52	101		67	123
		4-Bromofluorobenzene	50	54.31	109		33	141
D2546-08RE	B-2(6-8)RE	1,2-Dichloroethane-d4	50	64.21	128	*	56	120
		Dibromofluoromethane	50	54.74	109		57	135
		Toluene-d8	50	45.59	91		67	123
		4-Bromofluorobenzene	50	46.32	93		33	141
D2546-09	B-4(9-2)	1,2-Dichloroethane-d4	50	50.67	101		56	120
		Dibromofluoromethane	50	49.61	99		57	135
		Toluene-d8	50	48.99	98		67	123
		4-Bromofluorobenzene	50	53.11	106		33	141
D2546-09RE	B-4(9-2)RE	1,2-Dichloroethane-d4	50	64.48	129	*	56	120
		Dibromofluoromethane	50	53.99	108		57	135
		Toluene-d8	50	47.08	94		67	123
		4-Bromofluorobenzene	50	44.05	88		33	141
D2546-10	B-4(2-3)	1,2-Dichloroethane-d4	50	51.13	102		56	120
		Dibromofluoromethane	50	51.63	103		57	135
		Toluene-d8	50	49.92	100		67	123
		4-Bromofluorobenzene	50	56.41	113		33	141

CHEMTECH

Surrogate Summary

SDG No.: D2546

Client: Dvirka & Bartilucci

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
D2546-10RE	B-4(2-3)RE	1,2-Dichloroethane-d4	50	62.74	125	*	56	120
		Dibromofluoromethane	50	54.1	108		57	135
		Toluene-d8	50	47.18	94		67	123
		4-Bromofluorobenzene	50	48.15	96		33	141
D2546-11	B-3(9-2)	1,2-Dichloroethane-d4	50	46.98	94		56	120
		Dibromofluoromethane	50	50.8	102		57	135
		Toluene-d8	50	49.35	99		67	123
		4-Bromofluorobenzene	50	54.52	109		33	141
D2546-11RE	B-3(9-2)RE	1,2-Dichloroethane-d4	50	64.23	128	*	56	120
		Dibromofluoromethane	50	53.89	108		57	135
		Toluene-d8	50	47.9	96		67	123
		4-Bromofluorobenzene	50	41.72	83		33	141
D2546-12	B-3(2-3.5)	1,2-Dichloroethane-d4	50	48.53	97		56	120
		Dibromofluoromethane	50	49.89	100		57	135
		Toluene-d8	50	49.23	98		67	123
		4-Bromofluorobenzene	50	56.31	113		33	141
D2546-12RE	B-3(2-3.5)RE	1,2-Dichloroethane-d4	50	66.47	133	*	56	120
		Dibromofluoromethane	50	55.1	110		57	135
		Toluene-d8	50	49.06	98		67	123
		4-Bromofluorobenzene	50	43.87	88		33	141
D2546-13	B-3(6-7)	1,2-Dichloroethane-d4	50	47.56	95		56	120
		Dibromofluoromethane	50	50.42	101		57	135
		Toluene-d8	50	49.62	99		67	123
		4-Bromofluorobenzene	50	55.18	110		33	141
D2546-13RE	B-3(6-7)RE	1,2-Dichloroethane-d4	50	64.11	128	*	56	120
		Dibromofluoromethane	50	54.01	108		57	135
		Toluene-d8	50	46.4	93		67	123
		4-Bromofluorobenzene	50	44.36	89		33	141
D2546-14	B-5(13-2)	1,2-Dichloroethane-d4	50	47.18	94		56	120
		Dibromofluoromethane	50	35	70		57	135
		Toluene-d8	50	51.25	103		67	123
		4-Bromofluorobenzene	50	56.94	114		33	141
D2546-14RE	B-5(13-2)RE	1,2-Dichloroethane-d4	50	70.36	141	*	56	120
		Dibromofluoromethane	50	22.16	44	*	57	135
		Toluene-d8	50	49.18	98		67	123
		4-Bromofluorobenzene	50	52.72	105		33	141
D2546-15	B-5(6-7)	1,2-Dichloroethane-d4	50	54.11	108		56	120
		Dibromofluoromethane	50	53.37	107		57	135
		Toluene-d8	50	50.87	102		67	123
		4-Bromofluorobenzene	50	60.2	120		33	141
D2546-15RE	B-5(6-7)RE	1,2-Dichloroethane-d4	50	50.99	102		56	120
		Dibromofluoromethane	50	47.26	95		57	135
		Toluene-d8	50	49.24	98		67	123
		4-Bromofluorobenzene	50	42.46	85		33	141
D2546-16	B-6(10-2)	1,2-Dichloroethane-d4	50	48.45	97		56	120
		Dibromofluoromethane	50	48.92	98		57	135
		Toluene-d8	50	48.89	98		67	123
		4-Bromofluorobenzene	50	54.65	109		33	141
D2546-16RE	B-6(10-2)RE	1,2-Dichloroethane-d4	50	70.42	141	*	56	120
		Dibromofluoromethane	50	55.32	111		57	135
		Toluene-d8	50	48.85	98		67	123
		4-Bromofluorobenzene	50	47.25	95		33	141

CHEMTECH

Surrogate Summary

SDG No.: D2546

Client: Dvirka & Bartilucci

Analytical Method: EPA SW846 8260

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
D2546-17	B-6(2-3)	1,2-Dichloroethane-d4	50	52.5	105		56	120
		Dibromofluoromethane	50	51.6	103		57	135
		Toluene-d8	50	49.86	100		67	123
		4-Bromofluorobenzene	50	59.33	119		33	141
D2546-17RE	B-6(2-3)RE	1,2-Dichloroethane-d4	50	68.89	138	*	56	120
		Dibromofluoromethane	50	53.02	106		57	135
		Toluene-d8	50	47.42	95		67	123
		4-Bromofluorobenzene	50	48.58	97		33	141
VBF0513S1	VBF0513S1	1,2-Dichloroethane-d4	50	50.64	101		61	141
		Dibromofluoromethane	50	50.36	101		69	133
		Toluene-d8	50	46.92	94		65	126
		4-Bromofluorobenzene	50	52.49	105		58	135
VBF0514S1	VBF0514S1	1,2-Dichloroethane-d4	50	53.87	108		56	120
		Dibromofluoromethane	50	54.95	110		57	135
		Toluene-d8	50	51.34	103		67	123
		4-Bromofluorobenzene	50	54.91	110		33	141
VBF0515S1	VBF0515S1	1,2-Dichloroethane-d4	50	53.83	108		56	120
		Dibromofluoromethane	50	53.82	108		57	135
		Toluene-d8	50	51.21	102		67	123
		4-Bromofluorobenzene	50	50.8	102		33	141
VBK0511S1	VBK0511S1	1,2-Dichloroethane-d4	50	51.63	103		55	158
		Dibromofluoromethane	50	50.94	102		53	156
		Toluene-d8	50	49.52	99		85	115
		4-Bromofluorobenzene	50	46.11	92		85	120
VBK0513S1	VBK0513S1	1,2-Dichloroethane-d4	50	58.65	117		56	120
		Dibromofluoromethane	50	51.65	103		57	135
		Toluene-d8	50	47.59	95		67	123
		4-Bromofluorobenzene	50	49.44	99		33	141

CHEMTECH

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Dvirka & Bartilucci

Lab Code: CHEM Cas No: D2546 SAS No : D2546 SDG No: D2546

Client SampleID : SEC-SB-08(6-8)MS Analytical Method: EPA SW846 8260 Datafile : VF033266.D

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
Dichlorodifluoromethane	68	0	70	103	(44-157)
Chloromethane	68	0	89	131	(51-144)
Vinyl Chloride	68	0	130	191*	(56-145)
Bromomethane	68	0	130	191*	(47-151)
Chloroethane	68	0	150	221*	(55-158)
Trichlorofluoromethane	68	0	78	115	(63-145)
1,1,2-Trichlorotrifluoroethane	68	0	68	100	(63-141)
1,1-Dichloroethene	68	0	69	101	(64-140)
Acetone	342	27	310	83	(41-145)
Carbon Disulfide	68	0	73	107	(56-139)
Methyl tert-butyl Ether	68	0	78	115	(64-132)
Methyl Acetate	68	0	83	122	(21-221)
Methylene Chloride	68	1.5	77	111	(59-133)
trans-1,2-Dichloroethene	68	0	75	110	(64-135)
1,1-Dichloroethane	68	0	79	116	(66-135)
Cyclohexane	68	0	70	103	(59-140)
2-Butanone	342	0	350	102	(54-137)
Carbon Tetrachloride	68	0	60	88	(66-137)
cis-1,2-Dichloroethene	68	0	72	106	(65-132)
Bromochloromethane	68	0	81	119	(62-125)
Chloroform	68	0	75	110	(68-132)
1,1,1-Trichloroethane	68	0	70	103	(69-138)
Methylcyclohexane	68	0	58	85	(54-134)
Benzene	68	0	72	106	(68-130)
1,2-Dichloroethane	68	0	66	97	(68-130)
Trichloroethene	68	0	64	94	(54-149)
1,2-Dichloropropane	68	0	76	112	(65-136)
Bromodichloromethane	68	0	69	101	(68-132)
4-Methyl-2-Pentanone	342	0	350	102	(59-137)
Toluene	68	0	67	99	(65-133)
t-1,3-Dichloropropene	68	0	67	99	(64-129)
cis-1,3-Dichloropropene	68	0	69	101	(65-129)
1,1,2-Trichloroethane	68	0	69	101	(66-131)

 # Column to be used to flag recovery and RPD values with an asterisk

*** Values outside of QC limits**

CHEMTECH

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Dvirka & Bartilucci

Lab Code: CHEM Cas No: D2546 SAS No : D2546 SDG No: D2546

Client SampleID : SEC-SB-08(6-8)MS Analytical Method: EPA SW846 8260 Datafile : VF033266.D

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC#	QC LIMITS REC
2-Hexanone	342	0	390	114	(58-133)
Dibromochloromethane	68	0	68	100	(67-131)
1,2-Dibromoethane	68	0	65	96	(65-130)
Tetrachloroethene	68	0	61	90	(37-161)
Chlorobenzene	68	0	66	97	(66-128)
Ethyl Benzene	68	0	67	99	(65-133)
m/p-Xylenes	137	0	130	95	(62-134)
o-Xylene	68	0	63	93	(65-133)
Styrene	68	0	63	93	(66-127)
Bromoform	68	0	60	88	(68-131)
Isopropylbenzene	68	0	71	104	(64-139)
1,1,2,2-Tetrachloroethane	68	0	74	109	(48-150)
1,3-Dichlorobenzene	68	0	67	99	(60-129)
1,4-Dichlorobenzene	68	0	68	100	(59-128)
1,2-Dichlorobenzene	68	0	68	100	(63-127)
1,2-Dibromo-3-Chloropropane	68	0	64	94	(65-137)
1,2,4-Trichlorobenzene	68	0	57	84	(38-131)
1,2,3-Trichlorobenzene	68	0	56	82	(26-131)
1,4-Dioxane	1370	0	1100	80	(50-150)

RPD : 0 Out of 52 outside limits

Spike Recovery : 3 Out of 52 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

CHEMTECH

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Dvirka & Bartilucci

Lab Code: CHEM Cas No: D2546 SAS No : D2546 SDG No: D2546

Client SampleID : SEC-SB-08(6-8)MSD Analytical Method: EPA SW846 8260 Datafile : VF033267.D

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % (ug/Kg)	MSD %	QC LIMITS RPD	QC LIMITS REC
Dichlorodifluoromethane	68	73	107	4	20	(44-157)
Chloromethane	68	92	135	3	20	(51-144)
Vinyl Chloride	68	130	191*	0	20	(56-145)
Bromomethane	68	140	206*	8	20	(47-151)
Chloroethane	68	140	206*	7	20	(55-158)
Trichlorofluoromethane	68	78	115	0	20	(63-145)
1,1,2-Trichlorotrifluoroethane	68	71	104	4	20	(63-141)
1,1-Dichloroethene	68	73	107	6	20	(64-140)
Acetone	342	300	80	4	20	(41-145)
Carbon Disulfide	68	76	112	5	20	(56-139)
Methyl tert-butyl Ether	68	80	118	3	20	(64-132)
Methyl Acetate	68	85	125	2	20	(21-221)
Methylene Chloride	68	79	114	3	20	(59-133)
trans-1,2-Dichloroethene	68	78	115	4	20	(64-135)
1,1-Dichloroethane	68	79	116	0	20	(66-135)
Cyclohexane	68	73	107	4	20	(59-140)
2-Butanone	342	390	114	11	20	(54-137)
Carbon Tetrachloride	68	65	96	9	20	(66-137)
cis-1,2-Dichloroethene	68	72	106	0	20	(65-132)
Bromochloromethane	68	85	125	5	20	(62-125)
Chloroform	68	72	106	4	20	(68-132)
1,1,1-Trichloroethane	68	71	104	1	20	(69-138)
Methylcyclohexane	68	64	94	10	20	(54-134)
Benzene	68	74	109	3	20	(68-130)
1,2-Dichloroethane	68	70	103	6	20	(68-130)
Trichloroethene	68	65	96	2	20	(54-149)
1,2-Dichloropropane	68	77	113	1	20	(65-136)
Bromodichloromethane	68	71	104	3	20	(68-132)
4-Methyl-2-Pentanone	342	400	117	14	20	(59-137)
Toluene	68	70	103	4	20	(65-133)
t-1,3-Dichloropropene	68	70	103	4	20	(64-129)
cis-1,3-Dichloropropene	68	72	106	5	20	(65-129)
1,1,2-Trichloroethane	68	72	106	5	20	(66-131)

 # Column to be used to flag recovery and RPD values with an asterisk

*** Values outside of QC limits**

CHEMTECH

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH **Client:** Dvirka & Bartilucci

Lab Code: CHEM **Cas No:** D2546 **SAS No :** D2546 **SDG No:** D2546

Client SampleID : SEC-SB-08(6-8)MSD **Analytical Method:** EPA SW846 8260 **Datafile :** VF033267.D

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % (ug/Kg)	%	QC LIMITS RPD	REC
2-Hexanone	342	370	108	5	20	(58-133)
Dibromochloromethane	68	71	104	4	20	(67-131)
1,2-Dibromoethane	68	69	101	5	20	(65-130)
Tetrachloroethene	68	63	93	3	20	(37-161)
Chlorobenzene	68	67	99	2	20	(66-128)
Ethyl Benzene	68	69	101	2	20	(65-133)
m/p-Xylenes	137	130	95	0	20	(62-134)
o-Xylene	68	66	97	4	20	(65-133)
Styrene	68	65	96	3	20	(66-127)
Bromoform	68	64	94	7	20	(68-131)
Isopropylbenzene	68	72	106	2	20	(64-139)
1,1,2,2-Tetrachloroethane	68	78	115	5	20	(48-150)
1,3-Dichlorobenzene	68	68	100	1	20	(60-129)
1,4-Dichlorobenzene	68	70	103	3	20	(59-128)
1,2-Dichlorobenzene	68	70	103	3	20	(63-127)
1,2-Dibromo-3-Chloropropane	68	78	115	20	20	(65-137)
1,2,4-Trichlorobenzene	68	62	91	8	20	(38-131)
1,2,3-Trichlorobenzene	68	63	93	13	20	(26-131)
1,4-Dioxane	1370	1300	95	17	20	(50-150)

RPD : 0 Out of 52 outside limits

Spike Recovery : 3 Out of 52 outside limits

 # Column to be used to flag recovery and RPD values with an asterisk

*** Values outside of QC limits**

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Dvirka & Bartilucci

Lab Code: CHEM Cas No: D2546 SAS No : D2546 SDG No: D2546

Matrix Spike - EPA Sample No : BSF0513S1 Analytical Method: EPA SW846 8260 Datafile : VF033159.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		20	100	(46-139)
Chloromethane	20		17	85	(58-139)
Vinyl Chloride	20		14	70	(65-137)
Bromomethane	20		16	80	(50-162)
Chloroethane	20		11	55	(54-160)
Trichlorofluoromethane	20		20	100	(67-143)
1,1,2-Trichlorotrifluoroethane	20		20	100	(71-136)
1,1-Dichloroethene	20		19	95	(69-134)
Acetone	100		83	83	(41-181)
Carbon Disulfide	20		17	85	(63-138)
Methyl tert-butyl Ether	20		19	95	(72-136)
Methyl Acetate	20		18	90	(51-158)
Methylene Chloride	20		16	80	(67-138)
trans-1,2-Dichloroethene	20		20	100	(72-132)
1,1-Dichloroethane	20		19	95	(74-135)
Cyclohexane	20		17	85	(67-132)
2-Butanone	100		75	75	(64-146)
Carbon Tetrachloride	20		24	120	(71-134)
cis-1,2-Dichloroethene	20		19	95	(74-130)
Bromochloromethane	20		18	90	(71-136)
Chloroform	20		20	100	(74-134)
1,1,1-Trichloroethane	20		21	105	(74-133)
Methylcyclohexane	20		20	100	(71-125)
Benzene	20		20	100	(75-125)
1,2-Dichloroethane	20		22	110	(76-130)
Trichloroethene	20		23	115	(73-127)
1,2-Dichloropropane	20		19	95	(76-125)
Bromodichloromethane	20		21	105	(78-127)
4-Methyl-2-Pentanone	100		97	97	(71-140)
Toluene	20		21	105	(74-125)
t-1,3-Dichloropropene	20		20	100	(74-131)
cis-1,3-Dichloropropene	20		20	100	(74-128)
1,1,2-Trichloroethane	20		21	105	(75-129)
2-Hexanone	100		98	98	(62-153)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

CHEMTECH

WATER VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Dvirka & Bartilucci

Lab Code: CHEM Cas No: D2546 SAS No : D2546 SDG No: D2546

Matrix Spike - EPA Sample No : BSF0513S1 Analytical Method: EPA SW846 8260 Datafile : VF033159.D

COMPOUND	SPIKE ADDED (ug/L)	CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC#	QC LIMITS REC
Dibromochloromethane	20		22	110	(74-131)
1,2-Dibromoethane	20		21	105	(74-129)
Tetrachloroethene	20		23	115	(46-157)
Chlorobenzene	20		22	110	(76-123)
Ethyl Benzene	20		21	105	(75-126)
m/p-Xylenes	40		44	110	(74-126)
o-Xylene	20		22	110	(73-127)
Styrene	20		22	110	(75-126)
Bromoform	20		22	110	(66-130)
Isopropylbenzene	20		19	95	(70-127)
1,1,2,2-Tetrachloroethane	20		18	90	(66-131)
1,3-Dichlorobenzene	20		22	110	(70-125)
1,4-Dichlorobenzene	20		21	105	(71-124)
1,2-Dichlorobenzene	20		22	110	(71-126)
1,2-Dibromo-3-Chloropropane	20		18	90	(62-134)
1,2,4-Trichlorobenzene	20		24	120	(62-129)
1,2,3-Trichlorobenzene	20		25	125	(58-130)
1,4-Dioxane	400		350	88	(50-150)

RPD : 0 Out of 52 outside limits

Spike Recovery : 0 Out of 52 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Dvirka & Bartilucci

Lab Code: CHEM Cas No: D2546 SAS No : D2546 SDG No: D2546

Matrix Spike - EPA Sample No : BSF0514S1 Analytical Method: EPA SW846 8260 Datafile : VF033215.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		20	100	(50-142)
Chloromethane	20		17	85	(65-131)
Vinyl Chloride	20		13	65*	(67-130)
Bromomethane	20		17	85	(64-136)
Chloroethane	20		12	60*	(66-146)
Trichlorofluoromethane	20		20	100	(72-134)
1,1,2-Trichlorotrifluoroethane	20		19	95	(73-133)
1,1-Dichloroethene	20		18	90	(74-130)
Acetone	100		79	79	(57-135)
Carbon Disulfide	20		17	85	(71-130)
Methyl tert-butyl Ether	20		19	95	(76-123)
Methyl Acetate	20		18	90	(62-146)
Methylene Chloride	20		16	80	(73-134)
trans-1,2-Dichloroethene	20		19	95	(76-125)
1,1-Dichloroethane	20		19	95	(78-124)
Cyclohexane	20		17	85	(72-130)
2-Butanone	100		82	82	(68-132)
Carbon Tetrachloride	20		23	115	(76-127)
cis-1,2-Dichloroethene	20		19	95	(78-122)
Bromochloromethane	20		15	75	(66-133)
Chloroform	20		20	100	(79-122)
1,1,1-Trichloroethane	20		21	105	(76-126)
Methylcyclohexane	20		20	100	(75-127)
Benzene	20		20	100	(79-124)
1,2-Dichloroethane	20		22	110	(78-124)
Trichloroethene	20		22	110	(78-124)
1,2-Dichloropropane	20		18	90	(76-124)
Bromodichloromethane	20		21	105	(78-122)
4-Methyl-2-Pentanone	100		94	94	(73-135)
Toluene	20		20	100	(78-124)
t-1,3-Dichloropropene	20		20	100	(77-123)
cis-1,3-Dichloropropene	20		20	100	(79-120)
1,1,2-Trichloroethane	20		20	100	(78-123)
2-Hexanone	100		86	86	(71-134)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Dvirka & Bartilucci

Lab Code: CHEM Cas No: D2546 SAS No : D2546 SDG No: D2546

Matrix Spike - EPA Sample No : BSF0514S1 Analytical Method: EPA SW846 8260 Datafile : VF033215.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dibromochloromethane	20		21	105	(77-121)
1,2-Dibromoethane	20		20	100	(78-123)
Tetrachloroethene	20		22	110	(67-134)
Chlorobenzene	20		21	105	(80-121)
Ethyl Benzene	20		20	100	(80-123)
m/p-Xylenes	40		43	108	(79-126)
o-Xylene	20		22	110	(80-122)
Styrene	20		21	105	(81-121)
Bromoform	20		21	105	(73-124)
Isopropylbenzene	20		19	95	(79-123)
1,1,2,2-Tetrachloroethane	20		18	90	(79-124)
1,3-Dichlorobenzene	20		22	110	(82-120)
1,4-Dichlorobenzene	20		22	110	(81-120)
1,2-Dichlorobenzene	20		22	110	(82-118)
1,2-Dibromo-3-Chloropropane	20		16	80	(72-127)
1,2,4-Trichlorobenzene	20		24	120	(75-125)
1,2,3-Trichlorobenzene	20		24	120	(79-123)
1,4-Dioxane	400		330	83	(50-150)

RPD : 0 Out of 52 outside limits

Spike Recovery : 2 Out of 52 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Dvirka & Bartilucci

Lab Code: CHEM Cas No: D2546 SAS No : D2546 SDG No: D2546

Matrix Spike - EPA Sample No : BSF0515S1 Analytical Method: EPA SW846 8260 Datafile : VF033250.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		21	105	(50-142)
Chloromethane	20		22	110	(65-131)
Vinyl Chloride	20		20	100	(67-130)
Bromomethane	20		23	115	(64-136)
Chloroethane	20		24	120	(66-146)
Trichlorofluoromethane	20		21	105	(72-134)
1,1,2-Trichlorotrifluoroethane	20		22	110	(73-133)
1,1-Dichloroethene	20		21	105	(74-130)
Acetone	100		120	120	(57-135)
Carbon Disulfide	20		23	115	(71-130)
Methyl tert-butyl Ether	20		25	125*	(76-123)
Methyl Acetate	20		29	145	(62-146)
Methylene Chloride	20		24	120	(73-134)
trans-1,2-Dichloroethene	20		23	115	(76-125)
1,1-Dichloroethane	20		23	115	(78-124)
Cyclohexane	20		22	110	(72-130)
2-Butanone	100		140	140*	(68-132)
Carbon Tetrachloride	20		24	120	(76-127)
cis-1,2-Dichloroethene	20		22	110	(78-122)
Bromochloromethane	20		22	110	(66-133)
Chloroform	20		22	110	(79-122)
1,1,1-Trichloroethane	20		21	105	(76-126)
Methylcyclohexane	20		20	100	(75-127)
Benzene	20		25	125*	(79-124)
1,2-Dichloroethane	20		24	120	(78-124)
Trichloroethene	20		21	105	(78-124)
1,2-Dichloropropane	20		20	100	(76-124)
Bromodichloromethane	20		22	110	(78-122)
4-Methyl-2-Pentanone	100		160	160*	(73-135)
Toluene	20		22	110	(78-124)
t-1,3-Dichloropropene	20		27	135*	(77-123)
cis-1,3-Dichloropropene	20		23	115	(79-120)
1,1,2-Trichloroethane	20		28	140*	(78-123)
2-Hexanone	100		170	170*	(71-134)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Dvirka & Bartilucci

Lab Code: CHEM Cas No: D2546 SAS No : D2546 SDG No: D2546

Matrix Spike - EPA Sample No : BSF0515S1 Analytical Method: EPA SW846 8260 Datafile : VF033250.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dibromochloromethane	20		26	130*	(77-121)
1,2-Dibromoethane	20		27	135*	(78-123)
Tetrachloroethene	20		20	100	(67-134)
Chlorobenzene	20		21	105	(80-121)
Ethyl Benzene	20		21	105	(80-123)
m/p-Xylenes	40		41	103	(79-126)
o-Xylene	20		20	100	(80-122)
Styrene	20		20	100	(81-121)
Bromoform	20		20	100	(73-124)
Isopropylbenzene	20		21	105	(79-123)
1,1,2,2-Tetrachloroethane	20		24	120	(79-124)
1,3-Dichlorobenzene	20		22	110	(82-120)
1,4-Dichlorobenzene	20		22	110	(81-120)
1,2-Dichlorobenzene	20		22	110	(82-118)
1,2-Dibromo-3-Chloropropane	20		27	135*	(72-127)
1,2,4-Trichlorobenzene	20		23	115	(75-125)
1,2,3-Trichlorobenzene	20		24	120	(79-123)
1,4-Dioxane	400		470	118	(50-150)

RPD : 0 Out of 52 outside limits

Spike Recovery : 10 Out of 52 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Dvirka & Bartilucci

Lab Code: CHEM Cas No: D2546 SAS No : D2546 SDG No: D2546

Matrix Spike - EPA Sample No : BSK0511S1 Analytical Method: EPA SW846 8260 Datafile : VK048291.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		20	100	(35-135)
Chloromethane	20		21	105	(50-130)
Vinyl Chloride	20		20	100	(60-125)
Bromomethane	20		19	95	(30-160)
Chloroethane	20		20	100	(40-155)
Trichlorofluoromethane	20		20	100	(25-185)
1,1,2-Trichlorotrifluoroethane	20		20	100	(73-133)
1,1-Dichloroethene	20		20	100	(65-135)
Acetone	100		110	110	(20-160)
Carbon Disulfide	20		20	100	(45-160)
Methyl tert-butyl Ether	20		22	110	(70-131)
Methyl Acetate	20		24	120	(44-187)
Methylene Chloride	20		18	90	(55-140)
trans-1,2-Dichloroethene	20		21	105	(65-135)
1,1-Dichloroethane	20		21	105	(75-125)
Cyclohexane	20		21	105	(66-132)
2-Butanone	100		120	120	(30-160)
Carbon Tetrachloride	20		19	95	(65-135)
cis-1,2-Dichloroethene	20		21	105	(65-125)
Bromochloromethane	20		20	100	(70-125)
Chloroform	20		21	105	(70-125)
1,1,1-Trichloroethane	20		21	105	(70-135)
Methylcyclohexane	20		20	100	(71-124)
Benzene	20		20	100	(75-125)
1,2-Dichloroethane	20		21	105	(70-135)
Trichloroethene	20		20	100	(75-125)
1,2-Dichloropropane	20		19	95	(70-120)
Bromodichloromethane	20		21	105	(70-130)
4-Methyl-2-Pentanone	100		120	120	(45-145)
Toluene	20		20	100	(70-125)
t-1,3-Dichloropropene	20		17	85	(65-125)
cis-1,3-Dichloropropene	20		17	85	(70-125)
1,1,2-Trichloroethane	20		20	100	(60-125)
2-Hexanone	100		100	100	(45-145)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Dvirka & Bartilucci

Lab Code: CHEM Cas No: D2546 SAS No : D2546 SDG No: D2546

Matrix Spike - EPA Sample No : BSK0511S1 Analytical Method: EPA SW846 8260 Datafile : VK048291.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dibromochloromethane	20		20	100	(65-130)
1,2-Dibromoethane	20		20	100	(70-125)
Tetrachloroethene	20		19	95	(65-140)
Chlorobenzene	20		20	100	(75-125)
Ethyl Benzene	20		21	105	(75-125)
m/p-Xylenes	40		40	100	(80-125)
o-Xylene	20		21	105	(75-125)
Styrene	20		21	105	(75-125)
Bromoform	20		20	100	(55-135)
Isopropylbenzene	20		21	105	(75-130)
1,1,2,2-Tetrachloroethane	20		22	110	(55-130)
1,3-Dichlorobenzene	20		20	100	(70-125)
1,4-Dichlorobenzene	20		20	100	(70-125)
1,2-Dichlorobenzene	20		20	100	(75-120)
1,2-Dibromo-3-Chloropropane	20		21	105	(40-135)
1,2,4-Trichlorobenzene	20		20	100	(65-130)
1,2,3-Trichlorobenzene	20		21	105	(60-135)
1,4-Dioxane	400		390	98	(50-150)

RPD : 0 Out of 52 outside limits

Spike Recovery : 0 Out of 52 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Dvirka & Bartilucci

Lab Code: CHEM Cas No: D2546 SAS No : D2546 SDG No: D2546

Matrix Spike - EPA Sample No : BSK0513S1 Analytical Method: EPA SW846 8260 Datafile : VK048308.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dichlorodifluoromethane	20		23	115	(50-142)
Chloromethane	20		22	110	(65-131)
Vinyl Chloride	20		22	110	(67-130)
Bromomethane	20		22	110	(64-136)
Chloroethane	20		23	115	(66-146)
Trichlorofluoromethane	20		23	115	(72-134)
1,1,2-Trichlorotrifluoroethane	20		23	115	(73-133)
1,1-Dichloroethene	20		22	110	(74-130)
Acetone	100		98	98	(57-135)
Carbon Disulfide	20		22	110	(71-130)
Methyl tert-butyl Ether	20		22	110	(76-123)
Methyl Acetate	20		23	115	(62-146)
Methylene Chloride	20		19	95	(73-134)
trans-1,2-Dichloroethene	20		22	110	(76-125)
1,1-Dichloroethane	20		20	100	(78-124)
Cyclohexane	20		17	85	(72-130)
2-Butanone	100		89	89	(68-132)
Carbon Tetrachloride	20		23	115	(76-127)
cis-1,2-Dichloroethene	20		19	95	(78-122)
Bromochloromethane	20		17	85	(66-133)
Chloroform	20		21	105	(79-122)
1,1,1-Trichloroethane	20		22	110	(76-126)
Methylcyclohexane	20		20	100	(75-127)
Benzene	20		20	100	(79-124)
1,2-Dichloroethane	20		24	120	(78-124)
Trichloroethene	20		23	115	(78-124)
1,2-Dichloropropane	20		20	100	(76-124)
Bromodichloromethane	20		22	110	(78-122)
4-Methyl-2-Pentanone	100		91	91	(73-135)
Toluene	20		20	100	(78-124)
t-1,3-Dichloropropene	20		21	105	(77-123)
cis-1,3-Dichloropropene	20		20	100	(79-120)
1,1,2-Trichloroethane	20		22	110	(78-123)
2-Hexanone	100		67	67*	(71-134)

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

CHEMTECH

SOIL VOLATILE LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: CHEMTECH Client: Dvirka & Bartilucci

Lab Code: CHEM Cas No: D2546 SAS No : D2546 SDG No: D2546

Matrix Spike - EPA Sample No : BSK0513S1 Analytical Method: EPA SW846 8260 Datafile : VK048308.D

COMPOUND	SPIKE ADDED (ug/Kg)	CONCENTRATION (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC#	QC LIMITS REC
Dibromochloromethane	20		22	110	(77-121)
1,2-Dibromoethane	20		22	110	(78-123)
Tetrachloroethene	20		28	140*	(67-134)
Chlorobenzene	20		20	100	(80-121)
Ethyl Benzene	20		22	110	(80-123)
m/p-Xylenes	40		42	105	(79-126)
o-Xylene	20		21	105	(80-122)
Styrene	20		21	105	(81-121)
Bromoform	20		22	110	(73-124)
Isopropylbenzene	20		21	105	(79-123)
1,1,2,2-Tetrachloroethane	20		16	80	(79-124)
1,3-Dichlorobenzene	20		21	105	(82-120)
1,4-Dichlorobenzene	20		20	100	(81-120)
1,2-Dichlorobenzene	20		20	100	(82-118)
1,2-Dibromo-3-Chloropropane	20		13	65*	(72-127)
1,2,4-Trichlorobenzene	20		17	85	(75-125)
1,2,3-Trichlorobenzene	20		14	70*	(79-123)
1,4-Dioxane	400		330	83	(50-150)

RPD : 0 Out of 52 outside limits

Spike Recovery : 4 Out of 52 outside limits

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Comments: _____

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0513S1

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VF033158.D Lab Sample ID: VBF0513S1

Date Analyzed: 05/13/2012 Time Analyzed: 17:14

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0513S1	BSF0513S1	VF033159.D	05/13/2012
B-2(4-5)	D2546-07	VF033160.D	05/13/2012
B-2(6-8)	D2546-08	VF033161.D	05/13/2012
B-4(9-2)	D2546-09	VF033162.D	05/13/2012
B-4(2-3)	D2546-10	VF033163.D	05/13/2012
B-3(9-2)	D2546-11	VF033164.D	05/13/2012
B-3(2-3.5)	D2546-12	VF033165.D	05/13/2012
B-3(6-7)	D2546-13	VF033166.D	05/13/2012
B-5(13-2)	D2546-14	VF033167.D	05/13/2012
B-5(6-7)	D2546-15	VF033168.D	05/13/2012
B-6(10-2)	D2546-16	VF033169.D	05/13/2012
B-6(2-3)	D2546-17	VF033170.D	05/13/2012

COMMENTS:

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	
Project:	PV6256, IBM East Fishkill	Date Received:	
Client Sample ID:	VBF0513S1	SDG No.:	d2546
Lab Sample ID:	VBF0513S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033158.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.5	U	0.65	2.5	5	ug/Kg
74-87-3	Chloromethane	2.5	U	0.86	2.5	5	ug/Kg
75-01-4	Vinyl Chloride	2.5	U	1.2	2.5	5	ug/Kg
74-83-9	Bromomethane	2.5	U	2.4	2.5	5	ug/Kg
75-00-3	Chloroethane	2.5	U	1.4	2.5	5	ug/Kg
75-69-4	Trichlorofluoromethane	2.5	U	1.3	2.5	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.5	U	1.3	2.5	5	ug/Kg
75-35-4	1,1-Dichloroethene	2.5	U	1.5	2.5	5	ug/Kg
67-64-1	Acetone	12.5	U	3	12.5	25	ug/Kg
75-15-0	Carbon Disulfide	2.5	U	1.1	2.5	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.5	U	0.96	2.5	5	ug/Kg
79-20-9	Methyl Acetate	2.5	U	1.5	2.5	5	ug/Kg
75-09-2	Methylene Chloride	2.5	U	1.4	2.5	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.5	U	0.69	2.5	5	ug/Kg
75-34-3	1,1-Dichloroethane	2.5	U	0.94	2.5	5	ug/Kg
110-82-7	Cyclohexane	2.5	U	1	2.5	5	ug/Kg
78-93-3	2-Butanone	12.5	U	3.1	12.5	25	ug/Kg
56-23-5	Carbon Tetrachloride	2.5	U	0.99	2.5	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.5	U	0.89	2.5	5	ug/Kg
74-97-5	Bromochloromethane	2.5	U	0.79	2.5	5	ug/Kg
67-66-3	Chloroform	2.5	U	0.74	2.5	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.5	U	0.88	2.5	5	ug/Kg
108-87-2	Methylcyclohexane	2.5	U	1.1	2.5	5	ug/Kg
71-43-2	Benzene	2.5	U	0.38	2.5	5	ug/Kg
107-06-2	1,2-Dichloroethane	2.5	U	0.64	2.5	5	ug/Kg
79-01-6	Trichloroethene	2.5	U	0.86	2.5	5	ug/Kg
78-87-5	1,2-Dichloropropane	2.5	U	0.26	2.5	5	ug/Kg
75-27-4	Bromodichloromethane	2.5	U	0.62	2.5	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.5	U	2.9	12.5	25	ug/Kg
108-88-3	Toluene	2.5	U	0.64	2.5	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.5	U	0.79	2.5	5	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	
Project:	PV6256, IBM East Fishkill	Date Received:	
Client Sample ID:	VBF0513S1	SDG No.:	d2546
Lab Sample ID:	VBF0513S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033158.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.5	U	0.72	2.5	5	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.5	U	0.9	2.5	5	ug/Kg
591-78-6	2-Hexanone	12.5	U	3.9	12.5	25	ug/Kg
124-48-1	Dibromochloromethane	2.5	U	0.54	2.5	5	ug/Kg
106-93-4	1,2-Dibromoethane	2.5	U	0.64	2.5	5	ug/Kg
127-18-4	Tetrachloroethene	2.5	U	1	2.5	5	ug/Kg
108-90-7	Chlorobenzene	2.5	U	0.5	2.5	5	ug/Kg
100-41-4	Ethyl Benzene	2.5	U	0.62	2.5	5	ug/Kg
179601-23-1	m/p-Xylenes	5	U	0.72	5	10	ug/Kg
95-47-6	o-Xylene	2.5	U	0.68	2.5	5	ug/Kg
100-42-5	Styrene	2.5	U	0.45	2.5	5	ug/Kg
75-25-2	Bromoform	2.5	U	0.74	2.5	5	ug/Kg
98-82-8	Isopropylbenzene	2.5	U	0.48	2.5	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U	0.46	2.5	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.5	U	0.37	2.5	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.5	U	0.41	2.5	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.5	U	0.62	2.5	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.5	U	0.87	2.5	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.5	U	0.7	2.5	5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.5	U	0.5	2.5	5	ug/Kg
123-91-1	1,4-Dioxane	50	U	50	50	100	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.6		56 - 120		101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		57 - 135		101%	SPK: 50
2037-26-5	Toluene-d8	46.9		67 - 123		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		33 - 141		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	274646	4.38				
540-36-3	1,4-Difluorobenzene	365883	5.12				
3114-55-4	Chlorobenzene-d5	374884	9.32				
3855-82-1	1,4-Dichlorobenzene-d4	216185	12.24				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	
Project:	PV6256, IBM East Fishkill	Date Received:	
Client Sample ID:	VBF0513S1	SDG No.:	d2546
Lab Sample ID:	VBF0513S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033158.D	1		05/13/12	VF051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0514S1

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VF033214.D Lab Sample ID: VBF0514S1

Date Analyzed: 05/14/2012 Time Analyzed: 18:41

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0514S1	BSF0514S1	VF033215.D	05/14/2012
B-2(2-3.5)RE	D2546-06RE	VF033217.D	05/14/2012

COMMENTS:

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	
Project:	PV6256, IBM East Fishkill	Date Received:	
Client Sample ID:	VBF0514S1	SDG No.:	d2546
Lab Sample ID:	VBF0514S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033214.D	1		05/14/12	VF051412

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.5	U	0.65	2.5	5	ug/Kg
74-87-3	Chloromethane	2.5	U	0.86	2.5	5	ug/Kg
75-01-4	Vinyl Chloride	2.5	U	1.2	2.5	5	ug/Kg
74-83-9	Bromomethane	2.5	U	2.4	2.5	5	ug/Kg
75-00-3	Chloroethane	2.5	U	1.4	2.5	5	ug/Kg
75-69-4	Trichlorofluoromethane	2.5	U	1.3	2.5	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.5	U	1.3	2.5	5	ug/Kg
75-35-4	1,1-Dichloroethene	2.5	U	1.5	2.5	5	ug/Kg
67-64-1	Acetone	12.5	U	3	12.5	25	ug/Kg
75-15-0	Carbon Disulfide	2.5	U	1.1	2.5	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.5	U	0.96	2.5	5	ug/Kg
79-20-9	Methyl Acetate	2.5	U	1.5	2.5	5	ug/Kg
75-09-2	Methylene Chloride	2.5	U	1.4	2.5	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.5	U	0.69	2.5	5	ug/Kg
75-34-3	1,1-Dichloroethane	2.5	U	0.94	2.5	5	ug/Kg
110-82-7	Cyclohexane	2.5	U	1	2.5	5	ug/Kg
78-93-3	2-Butanone	12.5	U	3.1	12.5	25	ug/Kg
56-23-5	Carbon Tetrachloride	2.5	U	0.99	2.5	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.5	U	0.89	2.5	5	ug/Kg
74-97-5	Bromochloromethane	2.5	U	0.79	2.5	5	ug/Kg
67-66-3	Chloroform	2.5	U	0.74	2.5	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.5	U	0.88	2.5	5	ug/Kg
108-87-2	Methylcyclohexane	2.5	U	1.1	2.5	5	ug/Kg
71-43-2	Benzene	2.5	U	0.38	2.5	5	ug/Kg
107-06-2	1,2-Dichloroethane	2.5	U	0.64	2.5	5	ug/Kg
79-01-6	Trichloroethene	2.5	U	0.86	2.5	5	ug/Kg
78-87-5	1,2-Dichloropropane	2.5	U	0.26	2.5	5	ug/Kg
75-27-4	Bromodichloromethane	2.5	U	0.62	2.5	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.5	U	2.9	12.5	25	ug/Kg
108-88-3	Toluene	2.5	U	0.64	2.5	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.5	U	0.79	2.5	5	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	
Project:	PV6256, IBM East Fishkill	Date Received:	
Client Sample ID:	VBF0514S1	SDG No.:	d2546
Lab Sample ID:	VBF0514S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033214.D	1		05/14/12	VF051412

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.5	U	0.72	2.5	5	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.5	U	0.9	2.5	5	ug/Kg
591-78-6	2-Hexanone	12.5	U	3.9	12.5	25	ug/Kg
124-48-1	Dibromochloromethane	2.5	U	0.54	2.5	5	ug/Kg
106-93-4	1,2-Dibromoethane	2.5	U	0.64	2.5	5	ug/Kg
127-18-4	Tetrachloroethene	2.5	U	1	2.5	5	ug/Kg
108-90-7	Chlorobenzene	2.5	U	0.5	2.5	5	ug/Kg
100-41-4	Ethyl Benzene	2.5	U	0.62	2.5	5	ug/Kg
179601-23-1	m/p-Xylenes	5	U	0.72	5	10	ug/Kg
95-47-6	o-Xylene	2.5	U	0.68	2.5	5	ug/Kg
100-42-5	Styrene	2.5	U	0.45	2.5	5	ug/Kg
75-25-2	Bromoform	2.5	U	0.74	2.5	5	ug/Kg
98-82-8	Isopropylbenzene	2.5	U	0.48	2.5	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U	0.46	2.5	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.5	U	0.37	2.5	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.5	U	0.41	2.5	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.5	U	0.62	2.5	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.5	U	0.87	2.5	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.5	U	0.7	2.5	5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.5	U	0.5	2.5	5	ug/Kg
123-91-1	1,4-Dioxane	50	U	50	50	100	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.9		56 - 120		108%	SPK: 50
1868-53-7	Dibromofluoromethane	55		57 - 135		110%	SPK: 50
2037-26-5	Toluene-d8	51.3		67 - 123		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		33 - 141		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	254691	4.38				
540-36-3	1,4-Difluorobenzene	333945	5.12				
3114-55-4	Chlorobenzene-d5	330921	9.32				
3855-82-1	1,4-Dichlorobenzene-d4	194074	12.24				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	
Project:	PV6256, IBM East Fishkill	Date Received:	
Client Sample ID:	VBF0514S1	SDG No.:	d2546
Lab Sample ID:	VBF0514S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033214.D	1		05/14/12	VF051412

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0515S1

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VF033249.D Lab Sample ID: VBF0515S1

Date Analyzed: 05/15/2012 Time Analyzed: 21:36

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0515S1	BSF0515S1	VF033250.D	05/15/2012
B-5(6-7)RE	D2546-15RE	VF033252.D	05/15/2012
SEC-SB-08(6-8)MS	D2513-11MS	VF033266.D	05/16/2012
SEC-SB-08(6-8)MSD	D2513-12MSD	VF033267.D	05/16/2012

COMMENTS:

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	
Project:	PV6256, IBM East Fishkill	Date Received:	
Client Sample ID:	VBF0515S1	SDG No.:	d2546
Lab Sample ID:	VBF0515S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033249.D	1		05/15/12	VF051512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.5	U	0.65	2.5	5	ug/Kg
74-87-3	Chloromethane	2.5	U	0.86	2.5	5	ug/Kg
75-01-4	Vinyl Chloride	2.5	U	1.2	2.5	5	ug/Kg
74-83-9	Bromomethane	2.5	U	2.4	2.5	5	ug/Kg
75-00-3	Chloroethane	2.5	U	1.4	2.5	5	ug/Kg
75-69-4	Trichlorofluoromethane	2.5	U	1.3	2.5	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.5	U	1.3	2.5	5	ug/Kg
75-35-4	1,1-Dichloroethene	2.5	U	1.5	2.5	5	ug/Kg
67-64-1	Acetone	12.5	U	3	12.5	25	ug/Kg
75-15-0	Carbon Disulfide	2.5	U	1.1	2.5	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.5	U	0.96	2.5	5	ug/Kg
79-20-9	Methyl Acetate	2.5	U	1.5	2.5	5	ug/Kg
75-09-2	Methylene Chloride	2.5	U	1.4	2.5	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.5	U	0.69	2.5	5	ug/Kg
75-34-3	1,1-Dichloroethane	2.5	U	0.94	2.5	5	ug/Kg
110-82-7	Cyclohexane	2.5	U	1	2.5	5	ug/Kg
78-93-3	2-Butanone	12.5	U	3.1	12.5	25	ug/Kg
56-23-5	Carbon Tetrachloride	2.5	U	0.99	2.5	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.5	U	0.89	2.5	5	ug/Kg
74-97-5	Bromochloromethane	2.5	U	0.79	2.5	5	ug/Kg
67-66-3	Chloroform	2.5	U	0.74	2.5	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.5	U	0.88	2.5	5	ug/Kg
108-87-2	Methylcyclohexane	2.5	U	1.1	2.5	5	ug/Kg
71-43-2	Benzene	2.5	U	0.38	2.5	5	ug/Kg
107-06-2	1,2-Dichloroethane	2.5	U	0.64	2.5	5	ug/Kg
79-01-6	Trichloroethene	2.5	U	0.86	2.5	5	ug/Kg
78-87-5	1,2-Dichloropropane	2.5	U	0.26	2.5	5	ug/Kg
75-27-4	Bromodichloromethane	2.5	U	0.62	2.5	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.5	U	2.9	12.5	25	ug/Kg
108-88-3	Toluene	2.5	U	0.64	2.5	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.5	U	0.79	2.5	5	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	
Project:	PV6256, IBM East Fishkill	Date Received:	
Client Sample ID:	VBF0515S1	SDG No.:	d2546
Lab Sample ID:	VBF0515S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033249.D	1		05/15/12	VF051512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.5	U	0.72	2.5	5	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.5	U	0.9	2.5	5	ug/Kg
591-78-6	2-Hexanone	12.5	U	3.9	12.5	25	ug/Kg
124-48-1	Dibromochloromethane	2.5	U	0.54	2.5	5	ug/Kg
106-93-4	1,2-Dibromoethane	2.5	U	0.64	2.5	5	ug/Kg
127-18-4	Tetrachloroethene	2.5	U	1	2.5	5	ug/Kg
108-90-7	Chlorobenzene	2.5	U	0.5	2.5	5	ug/Kg
100-41-4	Ethyl Benzene	2.5	U	0.62	2.5	5	ug/Kg
179601-23-1	m/p-Xylenes	5	U	0.72	5	10	ug/Kg
95-47-6	o-Xylene	2.5	U	0.68	2.5	5	ug/Kg
100-42-5	Styrene	2.5	U	0.45	2.5	5	ug/Kg
75-25-2	Bromoform	2.5	U	0.74	2.5	5	ug/Kg
98-82-8	Isopropylbenzene	2.5	U	0.48	2.5	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U	0.46	2.5	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.5	U	0.37	2.5	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.5	U	0.41	2.5	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.5	U	0.62	2.5	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.5	U	0.87	2.5	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.5	U	0.7	2.5	5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.5	U	0.5	2.5	5	ug/Kg
123-91-1	1,4-Dioxane	50	U	50	50	100	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.8		56 - 120		108%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		57 - 135		108%	SPK: 50
2037-26-5	Toluene-d8	51.2		67 - 123		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		33 - 141		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	279859	4.38				
540-36-3	1,4-Difluorobenzene	455445	5.12				
3114-55-4	Chlorobenzene-d5	433060	9.33				
3855-82-1	1,4-Dichlorobenzene-d4	232721	12.24				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	
Project:	PV6256, IBM East Fishkill	Date Received:	
Client Sample ID:	VBF0515S1	SDG No.:	d2546
Lab Sample ID:	VBF0515S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF033249.D	1		05/15/12	VF051512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK0511S1

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VK048290.D Lab Sample ID: VBK0511S1

Date Analyzed: 05/12/2012 Time Analyzed: 01:16

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_K

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSK0511S1	BSK0511S1	VK048291.D	05/12/2012
B-1(9-2)	D2546-01	VK048299.D	05/12/2012
B-1(2-3.5)	D2546-02	VK048300.D	05/12/2012
B-1(4-5.5)	D2546-03	VK048301.D	05/12/2012
B-1(6-7.5)	D2546-04	VK048302.D	05/12/2012
B-2(8-2)	D2546-05	VK048303.D	05/12/2012
B-2(2-3.5)	D2546-06	VK048304.D	05/12/2012

COMMENTS:

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	
Project:	PV6256, IBM East Fishkill	Date Received:	
Client Sample ID:	VBK0511S1	SDG No.:	d2546
Lab Sample ID:	VBK0511S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048290.D	1		05/12/12	VK051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.5	U	0.65	2.5	5	ug/Kg
74-87-3	Chloromethane	2.5	U	0.86	2.5	5	ug/Kg
75-01-4	Vinyl Chloride	2.5	U	1.2	2.5	5	ug/Kg
74-83-9	Bromomethane	2.5	U	2.4	2.5	5	ug/Kg
75-00-3	Chloroethane	2.5	U	1.4	2.5	5	ug/Kg
75-69-4	Trichlorofluoromethane	2.5	U	1.3	2.5	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.5	U	1.3	2.5	5	ug/Kg
75-35-4	1,1-Dichloroethene	2.5	U	1.5	2.5	5	ug/Kg
67-64-1	Acetone	12.5	U	3	12.5	25	ug/Kg
75-15-0	Carbon Disulfide	2.5	U	1.1	2.5	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.5	U	0.96	2.5	5	ug/Kg
79-20-9	Methyl Acetate	2.5	U	1.5	2.5	5	ug/Kg
75-09-2	Methylene Chloride	2.5	U	1.4	2.5	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.5	U	0.69	2.5	5	ug/Kg
75-34-3	1,1-Dichloroethane	2.5	U	0.94	2.5	5	ug/Kg
110-82-7	Cyclohexane	2.5	U	1	2.5	5	ug/Kg
78-93-3	2-Butanone	12.5	U	3.1	12.5	25	ug/Kg
56-23-5	Carbon Tetrachloride	2.5	U	0.99	2.5	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.5	U	0.89	2.5	5	ug/Kg
74-97-5	Bromochloromethane	2.5	U	0.79	2.5	5	ug/Kg
67-66-3	Chloroform	2.5	U	0.74	2.5	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.5	U	0.88	2.5	5	ug/Kg
108-87-2	Methylcyclohexane	2.5	U	1.1	2.5	5	ug/Kg
71-43-2	Benzene	2.5	U	0.38	2.5	5	ug/Kg
107-06-2	1,2-Dichloroethane	2.5	U	0.64	2.5	5	ug/Kg
79-01-6	Trichloroethene	2.5	U	0.86	2.5	5	ug/Kg
78-87-5	1,2-Dichloropropane	2.5	U	0.26	2.5	5	ug/Kg
75-27-4	Bromodichloromethane	2.5	U	0.62	2.5	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.5	U	2.9	12.5	25	ug/Kg
108-88-3	Toluene	2.5	U	0.64	2.5	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.5	U	0.79	2.5	5	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	
Project:	PV6256, IBM East Fishkill	Date Received:	
Client Sample ID:	VBK0511S1	SDG No.:	d2546
Lab Sample ID:	VBK0511S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048290.D	1		05/12/12	VK051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.5	U	0.72	2.5	5	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.5	U	0.9	2.5	5	ug/Kg
591-78-6	2-Hexanone	12.5	U	3.9	12.5	25	ug/Kg
124-48-1	Dibromochloromethane	2.5	U	0.54	2.5	5	ug/Kg
106-93-4	1,2-Dibromoethane	2.5	U	0.64	2.5	5	ug/Kg
127-18-4	Tetrachloroethene	2.5	U	1	2.5	5	ug/Kg
108-90-7	Chlorobenzene	2.5	U	0.5	2.5	5	ug/Kg
100-41-4	Ethyl Benzene	2.5	U	0.62	2.5	5	ug/Kg
179601-23-1	m/p-Xylenes	5	U	0.72	5	10	ug/Kg
95-47-6	o-Xylene	2.5	U	0.68	2.5	5	ug/Kg
100-42-5	Styrene	2.5	U	0.45	2.5	5	ug/Kg
75-25-2	Bromoform	2.5	U	0.74	2.5	5	ug/Kg
98-82-8	Isopropylbenzene	2.5	U	0.48	2.5	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U	0.46	2.5	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.5	U	0.37	2.5	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.5	U	0.41	2.5	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.5	U	0.62	2.5	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.5	U	0.87	2.5	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.5	U	0.7	2.5	5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.5	U	0.5	2.5	5	ug/Kg
123-91-1	1,4-Dioxane	50	U	50	50	100	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.6		55 - 158		103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		53 - 156		102%	SPK: 50
2037-26-5	Toluene-d8	49.5		85 - 115		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		85 - 120		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	251904	6.54				
540-36-3	1,4-Difluorobenzene	460298	7.69				
3114-55-4	Chlorobenzene-d5	359323	10.74				
3855-82-1	1,4-Dichlorobenzene-d4	129077	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	
Project:	PV6256, IBM East Fishkill	Date Received:	
Client Sample ID:	VBK0511S1	SDG No.:	d2546
Lab Sample ID:	VBK0511S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048290.D	1		05/12/12	VK051112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBK0513S1

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VK048307.D Lab Sample ID: VBK0513S1

Date Analyzed: 05/13/2012 Time Analyzed: 17:05

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_K

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSK0513S1	BSK0513S1	VK048308.D	05/13/2012
B-2(4-5)RE	D2546-07RE	VK048310.D	05/13/2012
B-2(6-8)RE	D2546-08RE	VK048311.D	05/13/2012
B-4(9-2)RE	D2546-09RE	VK048312.D	05/13/2012
B-4(2-3)RE	D2546-10RE	VK048313.D	05/13/2012
B-3(9-2)RE	D2546-11RE	VK048314.D	05/13/2012
B-3(2-3.5)RE	D2546-12RE	VK048315.D	05/13/2012
B-3(6-7)RE	D2546-13RE	VK048316.D	05/13/2012
B-5(13-2)RE	D2546-14RE	VK048317.D	05/13/2012
B-6(10-2)RE	D2546-16RE	VK048319.D	05/13/2012
B-6(2-3)RE	D2546-17RE	VK048320.D	05/13/2012
B-1(9-2)RE	D2546-01RE	VK048321.D	05/13/2012
B-1(2-3.5)RE	D2546-02RE	VK048322.D	05/14/2012
B-1(4-5.5)RE	D2546-03RE	VK048323.D	05/14/2012
B-1(6-7.5)RE	D2546-04RE	VK048324.D	05/14/2012
B-2(8-2)RE	D2546-05RE	VK048325.D	05/14/2012

COMMENTS:

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	
Project:	PV6256, IBM East Fishkill	Date Received:	
Client Sample ID:	VBK0513S1	SDG No.:	d2546
Lab Sample ID:	VBK0513S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048307.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.5	U	0.65	2.5	5	ug/Kg
74-87-3	Chloromethane	2.5	U	0.86	2.5	5	ug/Kg
75-01-4	Vinyl Chloride	2.5	U	1.2	2.5	5	ug/Kg
74-83-9	Bromomethane	2.5	U	2.4	2.5	5	ug/Kg
75-00-3	Chloroethane	2.5	U	1.4	2.5	5	ug/Kg
75-69-4	Trichlorofluoromethane	2.5	U	1.3	2.5	5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.5	U	1.3	2.5	5	ug/Kg
75-35-4	1,1-Dichloroethene	2.5	U	1.5	2.5	5	ug/Kg
67-64-1	Acetone	12.5	U	3	12.5	25	ug/Kg
75-15-0	Carbon Disulfide	2.5	U	1.1	2.5	5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.5	U	0.96	2.5	5	ug/Kg
79-20-9	Methyl Acetate	2.5	U	1.5	2.5	5	ug/Kg
75-09-2	Methylene Chloride	2.5	U	1.4	2.5	5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.5	U	0.69	2.5	5	ug/Kg
75-34-3	1,1-Dichloroethane	2.5	U	0.94	2.5	5	ug/Kg
110-82-7	Cyclohexane	2.5	U	1	2.5	5	ug/Kg
78-93-3	2-Butanone	12.5	U	3.1	12.5	25	ug/Kg
56-23-5	Carbon Tetrachloride	2.5	U	0.99	2.5	5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.5	U	0.89	2.5	5	ug/Kg
74-97-5	Bromochloromethane	2.5	U	0.79	2.5	5	ug/Kg
67-66-3	Chloroform	2.5	U	0.74	2.5	5	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.5	U	0.88	2.5	5	ug/Kg
108-87-2	Methylcyclohexane	2.5	U	1.1	2.5	5	ug/Kg
71-43-2	Benzene	2.5	U	0.38	2.5	5	ug/Kg
107-06-2	1,2-Dichloroethane	2.5	U	0.64	2.5	5	ug/Kg
79-01-6	Trichloroethene	2.5	U	0.86	2.5	5	ug/Kg
78-87-5	1,2-Dichloropropane	2.5	U	0.26	2.5	5	ug/Kg
75-27-4	Bromodichloromethane	2.5	U	0.62	2.5	5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12.5	U	2.9	12.5	25	ug/Kg
108-88-3	Toluene	2.5	U	0.64	2.5	5	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.5	U	0.79	2.5	5	ug/Kg

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	
Project:	PV6256, IBM East Fishkill	Date Received:	
Client Sample ID:	VBK0513S1	SDG No.:	d2546
Lab Sample ID:	VBK0513S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048307.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.5	U	0.72	2.5	5	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.5	U	0.9	2.5	5	ug/Kg
591-78-6	2-Hexanone	12.5	U	3.9	12.5	25	ug/Kg
124-48-1	Dibromochloromethane	2.5	U	0.54	2.5	5	ug/Kg
106-93-4	1,2-Dibromoethane	2.5	U	0.64	2.5	5	ug/Kg
127-18-4	Tetrachloroethene	2.5	U	1	2.5	5	ug/Kg
108-90-7	Chlorobenzene	2.5	U	0.5	2.5	5	ug/Kg
100-41-4	Ethyl Benzene	2.5	U	0.62	2.5	5	ug/Kg
179601-23-1	m/p-Xylenes	5	U	0.72	5	10	ug/Kg
95-47-6	o-Xylene	2.5	U	0.68	2.5	5	ug/Kg
100-42-5	Styrene	2.5	U	0.45	2.5	5	ug/Kg
75-25-2	Bromoform	2.5	U	0.74	2.5	5	ug/Kg
98-82-8	Isopropylbenzene	2.5	U	0.48	2.5	5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U	0.46	2.5	5	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.5	U	0.37	2.5	5	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.5	U	0.41	2.5	5	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.5	U	0.62	2.5	5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.5	U	0.87	2.5	5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.5	U	0.7	2.5	5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.5	U	0.5	2.5	5	ug/Kg
123-91-1	1,4-Dioxane	50	U	50	50	100	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.6		56 - 120		117%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		57 - 135		103%	SPK: 50
2037-26-5	Toluene-d8	47.6		67 - 123		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		33 - 141		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	208608	6.55				
540-36-3	1,4-Difluorobenzene	357196	7.69				
3114-55-4	Chlorobenzene-d5	293139	10.74				
3855-82-1	1,4-Dichlorobenzene-d4	114270	12.68				

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	
Project:	PV6256, IBM East Fishkill	Date Received:	
Client Sample ID:	VBK0513S1	SDG No.:	d2546
Lab Sample ID:	VBK0513S1	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	0
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VK048307.D	1		05/13/12	VK051312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VF033049.D BFB Injection Date: 05/10/2012

Instrument ID: MSVOA_F BFB Injection Time: 10:05

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	41
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.2 (0.2) 1
174	50.0 - 100.0% of mass 95	90.3
175	5.0 - 9.0% of mass 174	6.8 (7.5) 1
176	95.0 - 101.0% of mass 174	87.1 (96.5) 1
177	5.0 - 9.0% of mass 176	6.4 (7.4) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD005	5 PPB ICC	VF033050.D	05/10/2012	11:07
VSTD020	20 PPB ICC	VF033051.D	05/10/2012	11:30
VSTD050	50 PPB ICC	VF033052.D	05/10/2012	11:52
VSTD100	100 PPB ICC	VF033053.D	05/10/2012	12:15
VSTD150	150 PPB ICC	VF033054.D	05/10/2012	12:45
VSTD200	200 PPB ICC	VF033055.D	05/10/2012	13:07

CHEMTECH

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VF033156.D BFB Injection Date: 05/13/2012

Instrument ID: MSVOA_F BFB Injection Time: 15:17

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.5
75	30.0 - 60.0% of mass 95	38.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.1 (0.1) 1
174	50.0 - 100.0% of mass 95	94.6
175	5.0 - 9.0% of mass 174	6.8 (7.2) 1
176	95.0 - 101.0% of mass 174	92.7 (98.1) 1
177	5.0 - 9.0% of mass 176	5.8 (6.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	50 PPB CCC	VF033157.D	05/13/2012	16:33
VBF0513S1	VBF0513S1	VF033158.D	05/13/2012	17:14
BSF0513S1	BSF0513S1	VF033159.D	05/13/2012	17:52
B-2(4-5)	D2546-07	VF033160.D	05/13/2012	18:26
B-2(6-8)	D2546-08	VF033161.D	05/13/2012	18:50
B-4(9-2)	D2546-09	VF033162.D	05/13/2012	19:13
B-4(2-3)	D2546-10	VF033163.D	05/13/2012	19:37
B-3(9-2)	D2546-11	VF033164.D	05/13/2012	20:00
B-3(2-3.5)	D2546-12	VF033165.D	05/13/2012	20:24
B-3(6-7)	D2546-13	VF033166.D	05/13/2012	20:48
B-5(13-2)	D2546-14	VF033167.D	05/13/2012	21:11
B-5(6-7)	D2546-15	VF033168.D	05/13/2012	21:34
B-6(10-2)	D2546-16	VF033169.D	05/13/2012	21:57
B-6(2-3)	D2546-17	VF033170.D	05/13/2012	22:20

CHEMTECH

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VF033212.D BFB Injection Date: 05/14/2012

Instrument ID: MSVOA_F BFB Injection Time: 17:22

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.6
75	30.0 - 60.0% of mass 95	41.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.1 (0.1) 1
174	50.0 - 100.0% of mass 95	98.1
175	5.0 - 9.0% of mass 174	7.2 (7.3) 1
176	95.0 - 101.0% of mass 174	97.5 (99.4) 1
177	5.0 - 9.0% of mass 176	7.7 (7.9) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	50 PPB CCC	VF033213.D	05/14/2012	18:02
VBF0514S1	VBF0514S1	VF033214.D	05/14/2012	18:41
BSF0514S1	BSF0514S1	VF033215.D	05/14/2012	19:19
B-2(2-3.5)RE	D2546-06RE	VF033217.D	05/14/2012	20:05

CHEMTECH

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VF033241.D BFB Injection Date: 05/15/2012

Instrument ID: MSVOA_F BFB Injection Time: 17:33

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.9
75	30.0 - 60.0% of mass 95	37.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	77.4
175	5.0 - 9.0% of mass 174	6.7 (8.7) 1
176	95.0 - 101.0% of mass 174	78 (100.8) 1
177	5.0 - 9.0% of mass 176	5 (6.4) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD005	5 PPB ICC	VF033242.D	05/15/2012	18:17
VSTD020	20 PPB ICC	VF033243.D	05/15/2012	18:40
VSTD050	50 PPB ICC	VF033244.D	05/15/2012	19:03
VSTD100	100 PPB ICC	VF033245.D	05/15/2012	19:26
VSTD150	150 PPB ICC	VF033246.D	05/15/2012	19:49
VSTD200	200 PPB ICC	VF033247.D	05/15/2012	20:12
VBF0515S1	VBF0515S1	VF033249.D	05/15/2012	21:36
BSF0515S1	BSF0515S1	VF033250.D	05/15/2012	22:09
B-5(6-7)RE	D2546-15RE	VF033252.D	05/15/2012	22:55
SEC-SB-08(6-8)MS	D2513-11MS	VF033266.D	05/16/2012	04:47
SEC-SB-08(6-8)MSD	D2513-12MSD	VF033267.D	05/16/2012	05:10

CHEMTECH

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VK048272.D BFB Injection Date: 05/11/2012

Instrument ID: MSVOA_K BFB Injection Time: 13:13

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	34.2
75	30.0 - 60.0% of mass 95	58.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	51.8
175	5.0 - 9.0% of mass 174	3.8 (7.2) 1
176	95.0 - 101.0% of mass 174	50.8 (97.9) 1
177	5.0 - 9.0% of mass 176	3.1 (6.1) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD005	5 PPB ICC	VK048279.D	05/11/2012	17:55
VSTD020	20 PPB ICC	VK048280.D	05/11/2012	18:23
VSTD050	50 PPB ICC	VK048281.D	05/11/2012	18:50
VSTD100	100 PPB ICC	VK048282.D	05/11/2012	19:17
VSTD200	200 PPB ICC	VK048284.D	05/11/2012	20:11
VSTD010	10 PPB ICC	VK048286.D	05/11/2012	22:10

CHEMTECH

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VK048305.D BFB Injection Date: 05/13/2012

Instrument ID: MSVOA_K BFB Injection Time: 13:46

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	32
75	30.0 - 60.0% of mass 95	59.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.6 (1) 1
174	50.0 - 100.0% of mass 95	57.8
175	5.0 - 9.0% of mass 174	3.9 (6.7) 1
176	95.0 - 101.0% of mass 174	56.7 (98.1) 1
177	5.0 - 9.0% of mass 176	3.6 (6.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD050	50 PPB CCC	VK048306.D	05/13/2012	15:54
VBK0513S1	VBK0513S1	VK048307.D	05/13/2012	17:05
BSK0513S1	BSK0513S1	VK048308.D	05/13/2012	17:45
B-2(4-5)RE	D2546-07RE	VK048310.D	05/13/2012	18:39
B-2(6-8)RE	D2546-08RE	VK048311.D	05/13/2012	19:06
B-4(9-2)RE	D2546-09RE	VK048312.D	05/13/2012	19:33
B-4(2-3)RE	D2546-10RE	VK048313.D	05/13/2012	20:01
B-3(9-2)RE	D2546-11RE	VK048314.D	05/13/2012	20:28
B-3(2-3.5)RE	D2546-12RE	VK048315.D	05/13/2012	20:55
B-3(6-7)RE	D2546-13RE	VK048316.D	05/13/2012	21:22
B-5(13-2)RE	D2546-14RE	VK048317.D	05/13/2012	21:49
B-6(10-2)RE	D2546-16RE	VK048319.D	05/13/2012	22:43
B-6(2-3)RE	D2546-17RE	VK048320.D	05/13/2012	23:10
B-1(9-2)RE	D2546-01RE	VK048321.D	05/13/2012	23:37
B-1(2-3.5)RE	D2546-02RE	VK048322.D	05/14/2012	00:04
B-1(4-5.5)RE	D2546-03RE	VK048323.D	05/14/2012	00:32
B-1(6-7.5)RE	D2546-04RE	VK048324.D	05/14/2012	00:59
B-2(8-2)RE	D2546-05RE	VK048325.D	05/14/2012	01:26

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VF033157.D Date Analyzed: 05/13/2012

Instrument ID: MSVOA_F Time Analyzed: 16:33

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	213770	12.24				
UPPER LIMIT	427540	12.74				
LOWER LIMIT	106885	11.74				
EPA SAMPLE NO.						
B-2(4-5)	159203	12.24				
B-2(6-8)	104501 *	12.24				
B-4(9-2)	145521	12.24				
B-4(2-3)	163710	12.23				
B-3(9-2)	146107	12.24				
B-3(2-3.5)	164285	12.23				
B-3(6-7)	154484	12.24				
B-5(13-2)	150655	12.24				
B-5(6-7)	109089	12.23				
B-6(10-2)	157197	12.24				
B-6(2-3)	132487	12.24				
BSF0513S1	202507	12.24				
VBF0513S1	216185	12.24				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VF033157.D Date Analyzed: 05/13/2012

Instrument ID: MSVOA_F Time Analyzed: 16:33

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	257616	4.38	344342	5.12	354473	9.33
UPPER LIMIT	515232	4.88	688684	5.62	708946	9.83
LOWER LIMIT	128808	3.88	172171	4.62	177236.5	8.83
EPA SAMPLE NO.						
B-2(4-5)	197099	4.38	269148	5.12	283857	9.32
B-2(6-8)	144587	4.38	192980	5.12	209840	9.32
B-4(9-2)	191352	4.37	263726	5.12	280464	9.31
B-4(2-3)	189767	4.38	264184	5.12	284490	9.32
B-3(9-2)	191645	4.38	259367	5.12	275933	9.32
B-3(2-3.5)	188262	4.38	263658	5.12	286787	9.32
B-3(6-7)	183455	4.36	252128	5.11	278051	9.32
B-5(13-2)	183573	4.36	250982	5.11	278021	9.31
B-5(6-7)	121231 *	4.38	166688 *	5.12	195063	9.32
B-6(10-2)	187280	4.38	267068	5.12	281114	9.32
B-6(2-3)	143312	4.38	202450	5.12	225981	9.32
BSF0513S1	250395	4.38	325482	5.11	331327	9.32
VBF0513S1	274646	4.38	365883	5.12	374884	9.32

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VF033213.D Date Analyzed: 05/14/2012

Instrument ID: MSVOA_F Time Analyzed: 18:02

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	263955	4.38	342407	5.13	338222	9.32
UPPER LIMIT	527910	4.88	684814	5.63	676444	9.82
LOWER LIMIT	131977.5	3.88	171203.5	4.63	169111	8.82
EPA SAMPLE NO.						
BSF0514S1	254752	4.39	336309	5.12	326172	9.32
B-2(2-3.5)RE	192655	4.38	259387	5.12	256875	9.32
VBF0514S1	254691	4.38	333945	5.12	330921	9.32

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VF033213.D Date Analyzed: 05/14/2012

Instrument ID: MSVOA_F Time Analyzed: 18:02

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	199234	12.24				
UPPER LIMIT	398468	12.74				
LOWER LIMIT	99617	11.74				
EPA SAMPLE NO.						
BSF0514S1	191592	12.24				
B-2(2-3.5)RE	116955	12.24				
VBF0514S1	194074	12.24				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VK048289.D Date Analyzed: 05/12/2012

Instrument ID: MSVOA_K Time Analyzed: 00:35

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	276193	6.55	470685	7.69	399627	10.74
UPPER LIMIT	552386	7.05	941370	8.1900	799254	11.24
LOWER LIMIT	138096.5	6.05	235342.5	7.19	199813.5	10.24
EPA SAMPLE NO.						
BSK0511S1	257217	6.54	471335	7.69	387254	10.74
B-1(9-2)	144438	6.54	297107	7.69	255848	10.74
B-1(2-3.5)	154867	6.54	322639	7.69	297144	10.74
B-1(4-5.5)	152687	6.54	320583	7.70	286071	10.73
B-1(6-7.5)	158112	6.54	325034	7.69	290459	10.74
B-2(8-2)	153361	6.54	294734	7.69	261220	10.74
B-2(2-3.5)	110447 *	6.54	214286 *	7.69	179124 *	10.74
VBK0511S1	251904	6.54	460298	7.69	359323	10.74

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VK048289.D Date Analyzed: 05/12/2012

Instrument ID: MSVOA_K Time Analyzed: 00:35

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #		RT #				
12 HOUR STD	170273		12.68				
UPPER LIMIT	340546		13.18				
LOWER LIMIT	85136.5		12.18				
EPA SAMPLE NO.							
BSK0511S1	167320		12.68				
B-1(9-2)	78429	*	12.68				
B-1(2-3.5)	107404		12.68				
B-1(4-5.5)	102067		12.68				
B-1(6-7.5)	102348		12.68				
B-2(8-2)	78292	*	12.68				
B-2(2-3.5)	50129	*	12.68				
VBK0511S1	129077		12.68				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VK048306.D Date Analyzed: 05/13/2012

Instrument ID: MSVOA_K Time Analyzed: 15:54

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	240435	6.54	390628	7.69	328961	10.74
UPPER LIMIT	480870	7.04	781256	8.1900	657922	11.24
LOWER LIMIT	120217.5	6.04	195314	7.19	164480.5	10.24
EPA SAMPLE NO.						
BSK0513S1	230440	6.54	372828	7.69	313031	10.74
B-1(9-2)RE	165324	6.55	299146	7.71	233315	10.74
B-1(2-3.5)RE	160127	6.55	293133	7.70	236125	10.75
B-1(4-5.5)RE	155175	6.55	294378	7.70	233736	10.74
B-1(6-7.5)RE	129175	6.55	242189	7.70	194759	10.74
B-2(8-2)RE	153665	6.56	283396	7.70	216176	10.74
B-2(4-5)RE	200847	6.56	347687	7.70	274292	10.74
B-2(6-8)RE	187328	6.55	332183	7.71	261210	10.75
B-4(9-2)RE	204007	6.55	358708	7.71	285656	10.75
B-4(2-3)RE	178689	6.56	311919	7.70	248305	10.74
B-3(9-2)RE	171730	6.55	305502	7.70	230536	10.74
B-3(2-3.5)RE	158886	6.55	286050	7.70	215846	10.75
B-3(6-7)RE	167108	6.55	301567	7.70	235025	10.74
B-5(13-2)RE	159185	6.55	304799	7.70	251999	10.74
B-6(10-2)RE	152541	6.55	276503	7.71	225955	10.74
B-6(2-3)RE	161626	6.55	303839	7.70	241049	10.75
VBK0513S1	208608	6.55	357196	7.69	293139	10.74

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VK048306.D Date Analyzed: 05/13/2012

Instrument ID: MSVOA_K Time Analyzed: 15:54

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #		RT #				
12 HOUR STD	154574		12.67				
UPPER LIMIT	309148		13.17				
LOWER LIMIT	77287		12.17				
EPA SAMPLE NO.							
BSK0513S1	141729		12.68				
B-1(9-2)RE	72535	*	12.68				
B-1(2-3.5)RE	91681		12.68				
B-1(4-5.5)RE	86270		12.68				
B-1(6-7.5)RE	73452	*	12.67				
B-2(8-2)RE	65491	*	12.67				
B-2(4-5)RE	109513		12.68				
B-2(6-8)RE	91854		12.68				
B-4(9-2)RE	88235		12.68				
B-4(2-3)RE	94926		12.68				
B-3(9-2)RE	74998	*	12.68				
B-3(2-3.5)RE	69066	*	12.68				
B-3(6-7)RE	84054		12.68				
B-5(13-2)RE	98135		12.68				
B-6(10-2)RE	83326		12.68				
B-6(2-3)RE	92595		12.68				
VBK0513S1	114270		12.68				

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VF033244.D Date Analyzed: 05/15/2012

Instrument ID: MSVOA_F Time Analyzed: 19:03

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	263201	4.39	437894	5.13	378484	9.33
UPPER LIMIT	526402	4.89	875788	5.63	756968	9.83
LOWER LIMIT	131600.5	3.89	218947	4.63	189242	8.83
EPA SAMPLE NO.						
BSF0515S1	248622	4.38	371166	5.13	411387	9.33
SEC-SB-08(6-8)MS	211437	4.40	384236	5.13	354340	9.33
SEC-SB-08(6-8)MSD	223691	4.39	393058	5.13	361180	9.34
B-5(6-7)RE	131166 *	4.38	227900	5.13	211703	9.33
VBF0515S1	279859	4.38	455445	5.12	433060	9.33

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

CHEMTECH

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: DVIR01

Lab Code: CHEM Case No.: D2546 SAS No.: D2546 SDG NO.: D2546

Lab File ID: VF033244.D Date Analyzed: 05/15/2012

Instrument ID: MSVOA_F Time Analyzed: 19:03

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	223515	12.24				
UPPER LIMIT	447030	12.74				
LOWER LIMIT	111757.5	11.74				
EPA SAMPLE NO.						
BSF0515S1	222413	12.24				
SEC-SB-08(6-8)MS	169342	12.25				
SEC-SB-08(6-8)MSD	179960	12.24				
B-5(6-7)RE	105744 *	12.24				
VBF0515S1	232721	12.24				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(9-2)	SDG No.:	D2546
Lab Sample ID:	D2546-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	79.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.27	UN	1	0.57	1.27	2.54	mg/Kg	05/09/12	05/14/12	SW6010B
7440-38-2	Arsenic	4.98		1	0.34	0.51	1.02	mg/Kg	05/09/12	05/14/12	SW6010B
7440-41-7	Beryllium	0.48	N	1	0.06	0.15	0.3	mg/Kg	05/09/12	05/14/12	SW6010B
7440-43-9	Cadmium	1.03	*	1	0.06	0.15	0.3	mg/Kg	05/09/12	05/14/12	SW6010B
7440-47-3	Chromium	10.2		1	0.13	0.255	0.51	mg/Kg	05/09/12	05/14/12	SW6010B
7440-50-8	Copper	8.1		1	0.33	0.51	1.02	mg/Kg	05/09/12	05/14/12	SW6010B
7439-92-1	Lead	10.5		1	0.12	0.305	0.61	mg/Kg	05/09/12	05/14/12	SW6010B
7439-97-6	Mercury	0.017		1	0.002	0.0055	0.011	mg/Kg	05/14/12	05/15/12	SW7471A
7440-02-0	Nickel	15.4		1	0.47	1.015	2.03	mg/Kg	05/09/12	05/14/12	SW6010B
7782-49-2	Selenium	0.51	UN	1	0.42	0.51	1.02	mg/Kg	05/09/12	05/14/12	SW6010B
7440-22-4	Silver	0.255	U	1	0.15	0.255	0.51	mg/Kg	05/09/12	05/14/12	SW6010B
7440-28-0	Thallium	1.015	U	1	0.27	1.015	2.03	mg/Kg	05/09/12	05/14/12	SW6010B
7440-66-6	Zinc	36.3	N	1	0.71	1.015	2.03	mg/Kg	05/09/12	05/14/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-PP				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
* = Indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(2-3.5)	SDG No.:	D2546
Lab Sample ID:	D2546-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.28	UN	1	0.57	1.28	2.56	mg/Kg	05/09/12	05/14/12	SW6010B
7440-38-2	Arsenic	10.4		1	0.34	0.515	1.03	mg/Kg	05/09/12	05/14/12	SW6010B
7440-41-7	Beryllium	0.24	JN	1	0.06	0.155	0.31	mg/Kg	05/09/12	05/14/12	SW6010B
7440-43-9	Cadmium	0.58	*	1	0.06	0.155	0.31	mg/Kg	05/09/12	05/14/12	SW6010B
7440-47-3	Chromium	11.8		1	0.13	0.255	0.51	mg/Kg	05/09/12	05/14/12	SW6010B
7440-50-8	Copper	19.7		1	0.33	0.515	1.03	mg/Kg	05/09/12	05/14/12	SW6010B
7439-92-1	Lead	12.3		1	0.12	0.31	0.62	mg/Kg	05/09/12	05/14/12	SW6010B
7439-97-6	Mercury	0.045		1	0.002	0.0055	0.011	mg/Kg	05/14/12	05/15/12	SW7471A
7440-02-0	Nickel	16.4		1	0.47	1.025	2.05	mg/Kg	05/09/12	05/14/12	SW6010B
7782-49-2	Selenium	0.515	UN	1	0.42	0.515	1.03	mg/Kg	05/09/12	05/14/12	SW6010B
7440-22-4	Silver	0.255	U	1	0.15	0.255	0.51	mg/Kg	05/09/12	05/14/12	SW6010B
7440-28-0	Thallium	1.025	U	1	0.28	1.025	2.05	mg/Kg	05/09/12	05/14/12	SW6010B
7440-66-6	Zinc	34.7	N	1	0.72	1.025	2.05	mg/Kg	05/09/12	05/14/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-PP				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
* = Indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(4-5.5)	SDG No.:	D2546
Lab Sample ID:	D2546-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	80.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.385	UN	1	0.62	1.385	2.77	mg/Kg	05/09/12	05/14/12	SW6010B
7440-38-2	Arsenic	8.38		1	0.37	0.555	1.11	mg/Kg	05/09/12	05/14/12	SW6010B
7440-41-7	Beryllium	0.24	JN	1	0.07	0.165	0.33	mg/Kg	05/09/12	05/14/12	SW6010B
7440-43-9	Cadmium	0.49	*	1	0.07	0.165	0.33	mg/Kg	05/09/12	05/14/12	SW6010B
7440-47-3	Chromium	8.55		1	0.14	0.275	0.55	mg/Kg	05/09/12	05/14/12	SW6010B
7440-50-8	Copper	23.3		1	0.35	0.555	1.11	mg/Kg	05/09/12	05/14/12	SW6010B
7439-92-1	Lead	11.3		1	0.13	0.33	0.66	mg/Kg	05/09/12	05/14/12	SW6010B
7439-97-6	Mercury	0.023		1	0.002	0.006	0.012	mg/Kg	05/14/12	05/15/12	SW7471A
7440-02-0	Nickel	20.8		1	0.51	1.11	2.22	mg/Kg	05/09/12	05/14/12	SW6010B
7782-49-2	Selenium	0.555	UN	1	0.45	0.555	1.11	mg/Kg	05/09/12	05/14/12	SW6010B
7440-22-4	Silver	0.275	U	1	0.17	0.275	0.55	mg/Kg	05/09/12	05/14/12	SW6010B
7440-28-0	Thallium	1.11	U	1	0.3	1.11	2.22	mg/Kg	05/09/12	05/14/12	SW6010B
7440-66-6	Zinc	46.7	N	1	0.78	1.11	2.22	mg/Kg	05/09/12	05/14/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-PP				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
* Indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-1(6-7.5)	SDG No.:	D2546
Lab Sample ID:	D2546-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.13	UN	1	0.51	1.13	2.26	mg/Kg	05/09/12	05/14/12	SW6010B
7440-38-2	Arsenic	9.71		1	0.3	0.45	0.9	mg/Kg	05/09/12	05/14/12	SW6010B
7440-41-7	Beryllium	0.4	N	1	0.05	0.135	0.27	mg/Kg	05/09/12	05/14/12	SW6010B
7440-43-9	Cadmium	1.93	*	1	0.05	0.135	0.27	mg/Kg	05/09/12	05/14/12	SW6010B
7440-47-3	Chromium	15.3		1	0.12	0.225	0.45	mg/Kg	05/09/12	05/14/12	SW6010B
7440-50-8	Copper	27.4		1	0.29	0.45	0.9	mg/Kg	05/09/12	05/14/12	SW6010B
7439-92-1	Lead	12.8		1	0.11	0.27	0.54	mg/Kg	05/09/12	05/14/12	SW6010B
7439-97-6	Mercury	0.017		1	0.002	0.0055	0.011	mg/Kg	05/14/12	05/15/12	SW7471A
7440-02-0	Nickel	29		1	0.42	0.905	1.81	mg/Kg	05/09/12	05/14/12	SW6010B
7782-49-2	Selenium	0.45	UN	1	0.37	0.45	0.9	mg/Kg	05/09/12	05/14/12	SW6010B
7440-22-4	Silver	0.225	U	1	0.14	0.225	0.45	mg/Kg	05/09/12	05/14/12	SW6010B
7440-28-0	Thallium	0.905	U	1	0.24	0.905	1.81	mg/Kg	05/09/12	05/14/12	SW6010B
7440-66-6	Zinc	58.8	N	1	0.63	0.905	1.81	mg/Kg	05/09/12	05/14/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-PP				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
* = Indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(8-2)	SDG No.:	D2546
Lab Sample ID:	D2546-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	79.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.215	UN	1	0.54	1.215	2.43	mg/Kg	05/09/12	05/14/12	SW6010B
7440-38-2	Arsenic	7.46		1	0.32	0.485	0.97	mg/Kg	05/09/12	05/14/12	SW6010B
7440-41-7	Beryllium	0.37	N	1	0.06	0.145	0.29	mg/Kg	05/09/12	05/14/12	SW6010B
7440-43-9	Cadmium	1.17	*	1	0.06	0.145	0.29	mg/Kg	05/09/12	05/14/12	SW6010B
7440-47-3	Chromium	10.6		1	0.13	0.245	0.49	mg/Kg	05/09/12	05/14/12	SW6010B
7440-50-8	Copper	13.2		1	0.31	0.485	0.97	mg/Kg	05/09/12	05/14/12	SW6010B
7439-92-1	Lead	14.9		1	0.12	0.29	0.58	mg/Kg	05/09/12	05/14/12	SW6010B
7439-97-6	Mercury	0.049		1	0.002	0.0055	0.011	mg/Kg	05/14/12	05/15/12	SW7471A
7440-02-0	Nickel	17.3		1	0.45	0.97	1.94	mg/Kg	05/09/12	05/14/12	SW6010B
7782-49-2	Selenium	0.485	UN	1	0.4	0.485	0.97	mg/Kg	05/09/12	05/14/12	SW6010B
7440-22-4	Silver	0.245	U	1	0.15	0.245	0.49	mg/Kg	05/09/12	05/14/12	SW6010B
7440-28-0	Thallium	0.97	U	1	0.26	0.97	1.94	mg/Kg	05/09/12	05/14/12	SW6010B
7440-66-6	Zinc	44.1	N	1	0.68	0.97	1.94	mg/Kg	05/09/12	05/14/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-PP				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
* Indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(2-3.5)	SDG No.:	D2546
Lab Sample ID:	D2546-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	76.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.52	UN	1	0.68	1.52	3.04	mg/Kg	05/09/12	05/14/12	SW6010B
7440-38-2	Arsenic	4.91		1	0.4	0.61	1.22	mg/Kg	05/09/12	05/14/12	SW6010B
7440-41-7	Beryllium	0.49	N	1	0.07	0.185	0.37	mg/Kg	05/09/12	05/14/12	SW6010B
7440-43-9	Cadmium	0.94	*	1	0.07	0.185	0.37	mg/Kg	05/09/12	05/14/12	SW6010B
7440-47-3	Chromium	9.58		1	0.16	0.305	0.61	mg/Kg	05/09/12	05/14/12	SW6010B
7440-50-8	Copper	9.2		1	0.39	0.61	1.22	mg/Kg	05/09/12	05/14/12	SW6010B
7439-92-1	Lead	14.4		1	0.15	0.365	0.73	mg/Kg	05/09/12	05/14/12	SW6010B
7439-97-6	Mercury	0.027		1	0.003	0.0065	0.013	mg/Kg	05/14/12	05/15/12	SW7471A
7440-02-0	Nickel	15		1	0.56	1.215	2.43	mg/Kg	05/09/12	05/14/12	SW6010B
7782-49-2	Selenium	0.61	UN	1	0.5	0.61	1.22	mg/Kg	05/09/12	05/14/12	SW6010B
7440-28-0	Thallium	1.215	U	1	0.33	1.215	2.43	mg/Kg	05/09/12	05/14/12	SW6010B
7440-66-6	Zinc	36.9	N	1	0.85	1.215	2.43	mg/Kg	05/09/12	05/14/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-PP				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
* = Indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(4-5)	SDG No.:	D2546
Lab Sample ID:	D2546-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	91

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.1	UN	1	0.49	1.1	2.2	mg/Kg	05/09/12	05/14/12	SW6010B
7440-38-2	Arsenic	9.59		1	0.29	0.44	0.88	mg/Kg	05/09/12	05/14/12	SW6010B
7440-41-7	Beryllium	0.33	N	1	0.05	0.13	0.26	mg/Kg	05/09/12	05/14/12	SW6010B
7440-43-9	Cadmium	1.22	*	1	0.05	0.13	0.26	mg/Kg	05/09/12	05/14/12	SW6010B
7440-47-3	Chromium	11		1	0.11	0.22	0.44	mg/Kg	05/09/12	05/14/12	SW6010B
7440-50-8	Copper	27.4		1	0.28	0.44	0.88	mg/Kg	05/09/12	05/14/12	SW6010B
7439-92-1	Lead	13.6		1	0.11	0.265	0.53	mg/Kg	05/09/12	05/14/12	SW6010B
7439-97-6	Mercury	0.022		1	0.002	0.0055	0.011	mg/Kg	05/14/12	05/15/12	SW7471A
7440-02-0	Nickel	25.7		1	0.4	0.88	1.76	mg/Kg	05/09/12	05/14/12	SW6010B
7782-49-2	Selenium	0.44	UN	1	0.36	0.44	0.88	mg/Kg	05/09/12	05/14/12	SW6010B
7440-28-0	Thallium	0.88	U	1	0.24	0.88	1.76	mg/Kg	05/09/12	05/14/12	SW6010B
7440-66-6	Zinc	58.7	N	1	0.62	0.88	1.76	mg/Kg	05/09/12	05/14/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-PP				

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
* = Indicates LCS control criteria did not meet requirements

J = Estimated Value
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N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-2(6-8)	SDG No.:	D2546
Lab Sample ID:	D2546-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.335	UN	1	0.6	1.335	2.67	mg/Kg	05/09/12	05/14/12	SW6010B
7440-38-2	Arsenic	6.11		1	0.35	0.535	1.07	mg/Kg	05/09/12	05/14/12	SW6010B
7440-41-7	Beryllium	0.36	N	1	0.06	0.16	0.32	mg/Kg	05/09/12	05/14/12	SW6010B
7440-43-9	Cadmium	0.64	*	1	0.06	0.16	0.32	mg/Kg	05/09/12	05/14/12	SW6010B
7440-47-3	Chromium	9.19		1	0.14	0.265	0.53	mg/Kg	05/09/12	05/14/12	SW6010B
7440-50-8	Copper	10.6		1	0.34	0.535	1.07	mg/Kg	05/09/12	05/14/12	SW6010B
7439-92-1	Lead	13.9		1	0.13	0.32	0.64	mg/Kg	05/09/12	05/14/12	SW6010B
7439-97-6	Mercury	0.047		1	0.002	0.0055	0.011	mg/Kg	05/14/12	05/15/12	SW7471A
7440-02-0	Nickel	14.8		1	0.49	1.07	2.14	mg/Kg	05/09/12	05/14/12	SW6010B
7782-49-2	Selenium	0.535	UN	1	0.44	0.535	1.07	mg/Kg	05/09/12	05/14/12	SW6010B
7440-28-0	Thallium	1.07	U	1	0.29	1.07	2.14	mg/Kg	05/09/12	05/14/12	SW6010B
7440-66-6	Zinc	38.9	N	1	0.75	1.07	2.14	mg/Kg	05/09/12	05/14/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-PP				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
* = Indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-4(9-2)	SDG No.:	D2546
Lab Sample ID:	D2546-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.14	UN	1	0.51	1.14	2.28	mg/Kg	05/09/12	05/14/12	SW6010B
7440-38-2	Arsenic	7.72		1	0.3	0.455	0.91	mg/Kg	05/09/12	05/14/12	SW6010B
7440-41-7	Beryllium	0.31	N	1	0.05	0.135	0.27	mg/Kg	05/09/12	05/14/12	SW6010B
7440-43-9	Cadmium	0.98	*	1	0.05	0.135	0.27	mg/Kg	05/09/12	05/14/12	SW6010B
7440-47-3	Chromium	9.27		1	0.12	0.23	0.46	mg/Kg	05/09/12	05/14/12	SW6010B
7440-50-8	Copper	17.4		1	0.29	0.455	0.91	mg/Kg	05/09/12	05/14/12	SW6010B
7439-92-1	Lead	14.4		1	0.11	0.275	0.55	mg/Kg	05/09/12	05/14/12	SW6010B
7439-97-6	Mercury	0.041		1	0.002	0.0055	0.011	mg/Kg	05/14/12	05/15/12	SW7471A
7440-02-0	Nickel	17.9		1	0.42	0.915	1.83	mg/Kg	05/09/12	05/14/12	SW6010B
7782-49-2	Selenium	0.455	UN	1	0.37	0.455	0.91	mg/Kg	05/09/12	05/14/12	SW6010B
7440-28-0	Thallium	0.915	U	1	0.25	0.915	1.83	mg/Kg	05/09/12	05/14/12	SW6010B
7440-66-6	Zinc	44.2	N	1	0.64	0.915	1.83	mg/Kg	05/09/12	05/14/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-PP				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
* = Indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-4(2-3)	SDG No.:	D2546
Lab Sample ID:	D2546-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.305	UN	1	0.58	1.305	2.61	mg/Kg	05/09/12	05/14/12	SW6010B
7440-38-2	Arsenic	9.74		1	0.34	0.52	1.04	mg/Kg	05/09/12	05/14/12	SW6010B
7440-41-7	Beryllium	0.26	JN	1	0.06	0.155	0.31	mg/Kg	05/09/12	05/14/12	SW6010B
7440-43-9	Cadmium	1.41	*	1	0.06	0.155	0.31	mg/Kg	05/09/12	05/14/12	SW6010B
7440-47-3	Chromium	12.8		1	0.14	0.26	0.52	mg/Kg	05/09/12	05/14/12	SW6010B
7440-50-8	Copper	29.5		1	0.33	0.52	1.04	mg/Kg	05/09/12	05/14/12	SW6010B
7439-92-1	Lead	16		1	0.13	0.315	0.63	mg/Kg	05/09/12	05/14/12	SW6010B
7439-97-6	Mercury	0.032		1	0.002	0.005	0.01	mg/Kg	05/14/12	05/15/12	SW7471A
7440-02-0	Nickel	26		1	0.48	1.045	2.09	mg/Kg	05/09/12	05/14/12	SW6010B
7782-49-2	Selenium	0.52	UN	1	0.43	0.52	1.04	mg/Kg	05/09/12	05/14/12	SW6010B
7440-28-0	Thallium	1.045	U	1	0.28	1.045	2.09	mg/Kg	05/09/12	05/14/12	SW6010B
7440-66-6	Zinc	61.9	N	1	0.73	1.045	2.09	mg/Kg	05/09/12	05/14/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-PP				

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
D = Dilution
* = Indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(9-2)	SDG No.:	D2546
Lab Sample ID:	D2546-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.17	UN	1	0.52	1.17	2.34	mg/Kg	05/09/12	05/14/12	SW6010B
7440-38-2	Arsenic	8.16		1	0.31	0.47	0.94	mg/Kg	05/09/12	05/14/12	SW6010B
7440-41-7	Beryllium	0.44	N	1	0.06	0.14	0.28	mg/Kg	05/09/12	05/14/12	SW6010B
7440-43-9	Cadmium	1.64	*	1	0.06	0.14	0.28	mg/Kg	05/09/12	05/14/12	SW6010B
7440-47-3	Chromium	12.5		1	0.12	0.235	0.47	mg/Kg	05/09/12	05/14/12	SW6010B
7440-50-8	Copper	17		1	0.3	0.47	0.94	mg/Kg	05/09/12	05/14/12	SW6010B
7439-92-1	Lead	18.1		1	0.11	0.28	0.56	mg/Kg	05/09/12	05/14/12	SW6010B
7439-97-6	Mercury	0.039		1	0.002	0.0055	0.011	mg/Kg	05/14/12	05/15/12	SW7471A
7440-02-0	Nickel	22		1	0.43	0.935	1.87	mg/Kg	05/09/12	05/14/12	SW6010B
7782-49-2	Selenium	0.47	UN	1	0.38	0.47	0.94	mg/Kg	05/09/12	05/14/12	SW6010B
7440-28-0	Thallium	0.935	U	1	0.25	0.935	1.87	mg/Kg	05/09/12	05/14/12	SW6010B
7440-66-6	Zinc	51	N	1	0.66	0.935	1.87	mg/Kg	05/09/12	05/14/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-PP				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = Indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(2-3.5)	SDG No.:	D2546
Lab Sample ID:	D2546-12	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.41	UN	1	0.63	1.41	2.82	mg/Kg	05/09/12	05/14/12	SW6010B
7440-38-2	Arsenic	7.81		1	0.37	0.565	1.13	mg/Kg	05/09/12	05/14/12	SW6010B
7440-41-7	Beryllium	0.38	N	1	0.07	0.17	0.34	mg/Kg	05/09/12	05/14/12	SW6010B
7440-43-9	Cadmium	1.05	*	1	0.07	0.17	0.34	mg/Kg	05/09/12	05/14/12	SW6010B
7440-47-3	Chromium	11.1		1	0.15	0.28	0.56	mg/Kg	05/09/12	05/14/12	SW6010B
7440-50-8	Copper	16.5		1	0.36	0.565	1.13	mg/Kg	05/09/12	05/14/12	SW6010B
7439-92-1	Lead	15.6		1	0.14	0.34	0.68	mg/Kg	05/09/12	05/14/12	SW6010B
7439-97-6	Mercury	0.041		1	0.002	0.0055	0.011	mg/Kg	05/14/12	05/15/12	SW7471A
7440-02-0	Nickel	18.5		1	0.52	1.13	2.26	mg/Kg	05/09/12	05/14/12	SW6010B
7782-49-2	Selenium	0.565	UN	1	0.46	0.565	1.13	mg/Kg	05/09/12	05/14/12	SW6010B
7440-28-0	Thallium	1.13	U	1	0.31	1.13	2.26	mg/Kg	05/09/12	05/14/12	SW6010B
7440-66-6	Zinc	45.8	N	1	0.79	1.13	2.26	mg/Kg	05/09/12	05/14/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-PP				

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MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
* = Indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	04/30/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-3(6-7)	SDG No.:	D2546
Lab Sample ID:	D2546-13	Matrix:	SOIL
Level (low/med):	low	% Solid:	92

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.08	UN	1	0.48	1.08	2.16	mg/Kg	05/09/12	05/14/12	SW6010B
7440-38-2	Arsenic	8.56		1	0.28	0.43	0.86	mg/Kg	05/09/12	05/14/12	SW6010B
7440-41-7	Beryllium	0.3	N	1	0.05	0.13	0.26	mg/Kg	05/09/12	05/14/12	SW6010B
7440-43-9	Cadmium	1.53	*	1	0.05	0.13	0.26	mg/Kg	05/09/12	05/14/12	SW6010B
7440-47-3	Chromium	10.9		1	0.11	0.215	0.43	mg/Kg	05/09/12	05/14/12	SW6010B
7440-50-8	Copper	21.3		1	0.28	0.43	0.86	mg/Kg	05/09/12	05/14/12	SW6010B
7439-92-1	Lead	14		1	0.1	0.26	0.52	mg/Kg	05/09/12	05/14/12	SW6010B
7439-97-6	Mercury	0.03		1	0.002	0.0055	0.011	mg/Kg	05/14/12	05/15/12	SW7471A
7440-02-0	Nickel	21.8		1	0.4	0.865	1.73	mg/Kg	05/09/12	05/14/12	SW6010B
7782-49-2	Selenium	0.43	UN	1	0.35	0.43	0.86	mg/Kg	05/09/12	05/14/12	SW6010B
7440-28-0	Thallium	0.865	U	1	0.23	0.865	1.73	mg/Kg	05/09/12	05/14/12	SW6010B
7440-66-6	Zinc	51.5	N	1	0.6	0.865	1.73	mg/Kg	05/09/12	05/14/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-PP				

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LOD = Limit of Detection
D = Dilution
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E = Value Exceeds Calibration Range
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-5(13-2)	SDG No.:	D2546
Lab Sample ID:	D2546-14	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.68	JN	1	0.45	1	2	mg/Kg	05/09/12	05/14/12	SW6010B
7440-38-2	Arsenic	7.83		1	0.26	0.4	0.8	mg/Kg	05/09/12	05/14/12	SW6010B
7440-41-7	Beryllium	0.24	N	1	0.05	0.12	0.24	mg/Kg	05/09/12	05/14/12	SW6010B
7440-43-9	Cadmium	1.69	*	1	0.05	0.12	0.24	mg/Kg	05/09/12	05/14/12	SW6010B
7440-47-3	Chromium	27.1		1	0.1	0.2	0.4	mg/Kg	05/09/12	05/14/12	SW6010B
7440-50-8	Copper	410		1	0.26	0.4	0.8	mg/Kg	05/09/12	05/14/12	SW6010B
7439-92-1	Lead	15.7		1	0.1	0.24	0.48	mg/Kg	05/09/12	05/14/12	SW6010B
7439-97-6	Mercury	0.018		1	0.002	0.0055	0.011	mg/Kg	05/14/12	05/15/12	SW7471A
7440-02-0	Nickel	72.5		1	0.37	0.8	1.6	mg/Kg	05/09/12	05/14/12	SW6010B
7782-49-2	Selenium	0.4	UN	1	0.33	0.4	0.8	mg/Kg	05/09/12	05/14/12	SW6010B
7440-28-0	Thallium	0.8	U	1	0.22	0.8	1.6	mg/Kg	05/09/12	05/14/12	SW6010B
7440-66-6	Zinc	298	N	1	0.56	0.8	1.6	mg/Kg	05/09/12	05/14/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-PP				

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
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* = Indicates LCS control criteria did not meet requirements

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N = Presumptive Evidence of a Compound
E = Value Exceeds Calibration Range
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-5(6-7)	SDG No.:	D2546
Lab Sample ID:	D2546-15	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.11	JN	1	0.55	1.215	2.43	mg/Kg	05/09/12	05/14/12	SW6010B
7440-38-2	Arsenic	4.06		1	0.32	0.485	0.97	mg/Kg	05/09/12	05/14/12	SW6010B
7440-41-7	Beryllium	0.23	JN	1	0.06	0.145	0.29	mg/Kg	05/09/12	05/14/12	SW6010B
7440-43-9	Cadmium	0.66	*	1	0.06	0.145	0.29	mg/Kg	05/09/12	05/14/12	SW6010B
7440-47-3	Chromium	0.245	U	1	0.13	0.245	0.49	mg/Kg	05/09/12	05/14/12	SW6010B
7440-50-8	Copper	6.59		1	0.31	0.485	0.97	mg/Kg	05/09/12	05/14/12	SW6010B
7439-92-1	Lead	3.67		1	0.12	0.29	0.58	mg/Kg	05/09/12	05/14/12	SW6010B
7439-97-6	Mercury	0.003	J	1	0.002	0.0055	0.011	mg/Kg	05/14/12	05/15/12	SW7471A
7440-02-0	Nickel	5.39		1	0.45	0.975	1.95	mg/Kg	05/09/12	05/14/12	SW6010B
7782-49-2	Selenium	0.485	UN	1	0.4	0.485	0.97	mg/Kg	05/09/12	05/14/12	SW6010B
7440-28-0	Thallium	0.975	U	1	0.26	0.975	1.95	mg/Kg	05/09/12	05/14/12	SW6010B
7440-66-6	Zinc	12.1	N	1	0.68	0.975	1.95	mg/Kg	05/09/12	05/14/12	SW6010B

Color Before:	Gray	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-PP				

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MDL = Method Detection Limit
LOD = Limit of Detection
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E = Value Exceeds Calibration Range
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-6(10-2)	SDG No.:	D2546
Lab Sample ID:	D2546-16	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	1.38	UN	1	0.62	1.38	2.76	mg/Kg	05/09/12	05/14/12	SW6010B
7440-38-2	Arsenic	11.6		1	0.36	0.55	1.1	mg/Kg	05/09/12	05/14/12	SW6010B
7440-41-7	Beryllium	0.8	N	1	0.07	0.165	0.33	mg/Kg	05/09/12	05/14/12	SW6010B
7440-43-9	Cadmium	2.39	*	1	0.07	0.165	0.33	mg/Kg	05/09/12	05/14/12	SW6010B
7440-47-3	Chromium	12.4		1	0.14	0.275	0.55	mg/Kg	05/09/12	05/14/12	SW6010B
7440-50-8	Copper	21.7		1	0.35	0.55	1.1	mg/Kg	05/09/12	05/14/12	SW6010B
7439-92-1	Lead	17.3		1	0.13	0.33	0.66	mg/Kg	05/09/12	05/14/12	SW6010B
7439-97-6	Mercury	0.081		1	0.002	0.006	0.012	mg/Kg	05/14/12	05/15/12	SW7471A
7440-02-0	Nickel	22.9		1	0.51	1.105	2.21	mg/Kg	05/09/12	05/14/12	SW6010B
7782-49-2	Selenium	0.55	UN	1	0.45	0.55	1.1	mg/Kg	05/09/12	05/14/12	SW6010B
7440-28-0	Thallium	1.105	U	1	0.3	1.105	2.21	mg/Kg	05/09/12	05/14/12	SW6010B
7440-66-6	Zinc	38.6	N	1	0.77	1.105	2.21	mg/Kg	05/09/12	05/14/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-PP				

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LOD = Limit of Detection
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* = Indicates LCS control criteria did not meet requirements

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E = Value Exceeds Calibration Range
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Dvirka & Bartilucci	Date Collected:	05/01/12
Project:	PV6256, IBM East Fishkill	Date Received:	05/03/12
Client Sample ID:	B-6(2-3)	SDG No.:	D2546
Lab Sample ID:	D2546-17	Matrix:	SOIL
Level (low/med):	low	% Solid:	84.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7440-36-0	Antimony	0.92	JN	1	0.54	1.205	2.41	mg/Kg	05/09/12	05/14/12	SW6010B
7440-38-2	Arsenic	15.5		1	0.32	0.48	0.96	mg/Kg	05/09/12	05/14/12	SW6010B
7440-41-7	Beryllium	0.37	N	1	0.06	0.145	0.29	mg/Kg	05/09/12	05/14/12	SW6010B
7440-43-9	Cadmium	1.05	*	1	0.06	0.145	0.29	mg/Kg	05/09/12	05/14/12	SW6010B
7440-47-3	Chromium	2.29		1	0.13	0.24	0.48	mg/Kg	05/09/12	05/14/12	SW6010B
7440-50-8	Copper	15.5		1	0.31	0.48	0.96	mg/Kg	05/09/12	05/14/12	SW6010B
7439-92-1	Lead	9.51		1	0.12	0.29	0.58	mg/Kg	05/09/12	05/14/12	SW6010B
7439-97-6	Mercury	0.013		1	0.002	0.0055	0.011	mg/Kg	05/14/12	05/15/12	SW7471A
7440-02-0	Nickel	14.9		1	0.44	0.96	1.92	mg/Kg	05/09/12	05/14/12	SW6010B
7782-49-2	Selenium	0.48	UN	1	0.39	0.48	0.96	mg/Kg	05/09/12	05/14/12	SW6010B
7440-28-0	Thallium	0.96	U	1	0.26	0.96	1.92	mg/Kg	05/09/12	05/14/12	SW6010B
7440-66-6	Zinc	10.8	N	1	0.67	0.96	1.92	mg/Kg	05/09/12	05/14/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-PP				

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Hit Summary Sheet
SW-846

SDG No.: D2546 **Order ID:** D2546

Client: Dvirka & Bartilucci **Project ID:** PV6256, IBM East Fishkill

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : B-1(9-2)									
D2546-01	B-1(9-2)	SOIL	Arsenic	4.980		0.34	0.51	1.020	mg/Kg
D2546-01	B-1(9-2)	SOIL	Beryllium	0.480		0.06	0.15	0.30	mg/Kg
D2546-01	B-1(9-2)	SOIL	Cadmium	1.030		0.06	0.15	0.30	mg/Kg
D2546-01	B-1(9-2)	SOIL	Chromium	10.200		0.13	0.255	0.51	mg/Kg
D2546-01	B-1(9-2)	SOIL	Copper	8.100		0.33	0.51	1.020	mg/Kg
D2546-01	B-1(9-2)	SOIL	Lead	10.500		0.12	0.305	0.61	mg/Kg
D2546-01	B-1(9-2)	SOIL	Mercury	0.017		0.002	0.0055	0.011	mg/Kg
D2546-01	B-1(9-2)	SOIL	Nickel	15.400		0.47	1.015	2.030	mg/Kg
D2546-01	B-1(9-2)	SOIL	Zinc	36.300		0.71	1.015	2.030	mg/Kg
Client ID : B-1(2-3.5)									
D2546-02	B-1(2-3.5)	SOIL	Arsenic	10.400		0.34	0.515	1.030	mg/Kg
D2546-02	B-1(2-3.5)	SOIL	Beryllium	0.240	J	0.06	0.155	0.31	mg/Kg
D2546-02	B-1(2-3.5)	SOIL	Cadmium	0.580		0.06	0.155	0.31	mg/Kg
D2546-02	B-1(2-3.5)	SOIL	Chromium	11.800		0.13	0.255	0.51	mg/Kg
D2546-02	B-1(2-3.5)	SOIL	Copper	19.700		0.33	0.515	1.030	mg/Kg
D2546-02	B-1(2-3.5)	SOIL	Lead	12.300		0.12	0.31	0.62	mg/Kg
D2546-02	B-1(2-3.5)	SOIL	Mercury	0.045		0.002	0.0055	0.011	mg/Kg
D2546-02	B-1(2-3.5)	SOIL	Nickel	16.400		0.47	1.025	2.050	mg/Kg
D2546-02	B-1(2-3.5)	SOIL	Zinc	34.700		0.72	1.025	2.050	mg/Kg
Client ID : B-1(4-5.5)									
D2546-03	B-1(4-5.5)	SOIL	Arsenic	8.380		0.37	0.555	1.110	mg/Kg
D2546-03	B-1(4-5.5)	SOIL	Beryllium	0.240	J	0.07	0.165	0.33	mg/Kg
D2546-03	B-1(4-5.5)	SOIL	Cadmium	0.490		0.07	0.165	0.33	mg/Kg
D2546-03	B-1(4-5.5)	SOIL	Chromium	8.550		0.14	0.275	0.55	mg/Kg
D2546-03	B-1(4-5.5)	SOIL	Copper	23.300		0.35	0.555	1.110	mg/Kg
D2546-03	B-1(4-5.5)	SOIL	Lead	11.300		0.13	0.33	0.66	mg/Kg
D2546-03	B-1(4-5.5)	SOIL	Mercury	0.023		0.002	0.006	0.012	mg/Kg
D2546-03	B-1(4-5.5)	SOIL	Nickel	20.800		0.51	1.11	2.220	mg/Kg
D2546-03	B-1(4-5.5)	SOIL	Zinc	46.700		0.78	1.11	2.220	mg/Kg
Client ID : B-1(6-7.5)									
D2546-04	B-1(6-7.5)	SOIL	Arsenic	9.710		0.30	0.45	0.90	mg/Kg
D2546-04	B-1(6-7.5)	SOIL	Beryllium	0.400		0.05	0.135	0.27	mg/Kg
D2546-04	B-1(6-7.5)	SOIL	Cadmium	1.930		0.05	0.135	0.27	mg/Kg
D2546-04	B-1(6-7.5)	SOIL	Chromium	15.300		0.12	0.225	0.45	mg/Kg
D2546-04	B-1(6-7.5)	SOIL	Copper	27.400		0.29	0.45	0.90	mg/Kg
D2546-04	B-1(6-7.5)	SOIL	Lead	12.800		0.11	0.27	0.54	mg/Kg
D2546-04	B-1(6-7.5)	SOIL	Mercury	0.017		0.002	0.0055	0.011	mg/Kg
D2546-04	B-1(6-7.5)	SOIL	Nickel	29.000		0.42	0.905	1.810	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: D2546 **Order ID:** D2546

Client: Dvirka & Bartilucci **Project ID:** PV6256, IBM East Fishkill

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
D2546-04	B-1(6-7.5)	SOIL	Zinc	58.800		0.63	0.905	1.810	mg/Kg
Client ID : B-2(8-2)									
D2546-05	B-2(8-2)	SOIL	Arsenic	7.460		0.32	0.485	0.97	mg/Kg
D2546-05	B-2(8-2)	SOIL	Beryllium	0.370		0.06	0.145	0.29	mg/Kg
D2546-05	B-2(8-2)	SOIL	Cadmium	1.170		0.06	0.145	0.29	mg/Kg
D2546-05	B-2(8-2)	SOIL	Chromium	10.600		0.13	0.245	0.49	mg/Kg
D2546-05	B-2(8-2)	SOIL	Copper	13.200		0.31	0.485	0.97	mg/Kg
D2546-05	B-2(8-2)	SOIL	Lead	14.900		0.12	0.29	0.58	mg/Kg
D2546-05	B-2(8-2)	SOIL	Mercury	0.049		0.002	0.0055	0.011	mg/Kg
D2546-05	B-2(8-2)	SOIL	Nickel	17.300		0.45	0.97	1.940	mg/Kg
D2546-05	B-2(8-2)	SOIL	Zinc	44.100		0.68	0.97	1.940	mg/Kg
Client ID : B-2(2-3.5)									
D2546-06	B-2(2-3.5)	SOIL	Arsenic	4.910		0.40	0.61	1.220	mg/Kg
D2546-06	B-2(2-3.5)	SOIL	Beryllium	0.490		0.07	0.185	0.37	mg/Kg
D2546-06	B-2(2-3.5)	SOIL	Cadmium	0.940		0.07	0.185	0.37	mg/Kg
D2546-06	B-2(2-3.5)	SOIL	Chromium	9.580		0.16	0.305	0.61	mg/Kg
D2546-06	B-2(2-3.5)	SOIL	Copper	9.200		0.39	0.61	1.220	mg/Kg
D2546-06	B-2(2-3.5)	SOIL	Lead	14.400		0.15	0.365	0.73	mg/Kg
D2546-06	B-2(2-3.5)	SOIL	Mercury	0.027		0.003	0.0065	0.013	mg/Kg
D2546-06	B-2(2-3.5)	SOIL	Nickel	15.000		0.56	1.215	2.430	mg/Kg
D2546-06	B-2(2-3.5)	SOIL	Zinc	36.900		0.85	1.215	2.430	mg/Kg
Client ID : B-2(4-5)									
D2546-07	B-2(4-5)	SOIL	Arsenic	9.590		0.29	0.44	0.88	mg/Kg
D2546-07	B-2(4-5)	SOIL	Beryllium	0.330		0.05	0.13	0.26	mg/Kg
D2546-07	B-2(4-5)	SOIL	Cadmium	1.220		0.05	0.13	0.26	mg/Kg
D2546-07	B-2(4-5)	SOIL	Chromium	11.000		0.11	0.22	0.44	mg/Kg
D2546-07	B-2(4-5)	SOIL	Copper	27.400		0.28	0.44	0.88	mg/Kg
D2546-07	B-2(4-5)	SOIL	Lead	13.600		0.11	0.265	0.53	mg/Kg
D2546-07	B-2(4-5)	SOIL	Mercury	0.022		0.002	0.0055	0.011	mg/Kg
D2546-07	B-2(4-5)	SOIL	Nickel	25.700		0.40	0.88	1.760	mg/Kg
D2546-07	B-2(4-5)	SOIL	Zinc	58.700		0.62	0.88	1.760	mg/Kg
Client ID : B-2(6-8)									
D2546-08	B-2(6-8)	SOIL	Arsenic	6.110		0.35	0.535	1.070	mg/Kg
D2546-08	B-2(6-8)	SOIL	Beryllium	0.360		0.06	0.16	0.32	mg/Kg
D2546-08	B-2(6-8)	SOIL	Cadmium	0.640		0.06	0.16	0.32	mg/Kg
D2546-08	B-2(6-8)	SOIL	Chromium	9.190		0.14	0.265	0.53	mg/Kg
D2546-08	B-2(6-8)	SOIL	Copper	10.600		0.34	0.535	1.070	mg/Kg
D2546-08	B-2(6-8)	SOIL	Lead	13.900		0.13	0.32	0.64	mg/Kg
D2546-08	B-2(6-8)	SOIL	Mercury	0.047		0.002	0.0055	0.011	mg/Kg
D2546-08	B-2(6-8)	SOIL	Nickel	14.800		0.49	1.07	2.140	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: D2546 **Order ID:** D2546

Client: Dvirka & Bartilucci **Project ID:** PV6256, IBM East Fishkill

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
D2546-08	B-2(6-8)	SOIL	Zinc	38.900		0.75	1.07	2.140	mg/Kg
Client ID :	**B-4(9-2)**								
D2546-09	B-4(9-2)	SOIL	Arsenic	7.720		0.30	0.455	0.91	mg/Kg
D2546-09	B-4(9-2)	SOIL	Beryllium	0.310		0.05	0.135	0.27	mg/Kg
D2546-09	B-4(9-2)	SOIL	Cadmium	0.980		0.05	0.135	0.27	mg/Kg
D2546-09	B-4(9-2)	SOIL	Chromium	9.270		0.12	0.23	0.46	mg/Kg
D2546-09	B-4(9-2)	SOIL	Copper	17.400		0.29	0.455	0.91	mg/Kg
D2546-09	B-4(9-2)	SOIL	Lead	14.400		0.11	0.275	0.55	mg/Kg
D2546-09	B-4(9-2)	SOIL	Mercury	0.041		0.002	0.0055	0.011	mg/Kg
D2546-09	B-4(9-2)	SOIL	Nickel	17.900		0.42	0.915	1.830	mg/Kg
D2546-09	B-4(9-2)	SOIL	Zinc	44.200		0.64	0.915	1.830	mg/Kg
Client ID :	**B-4(2-3)**								
D2546-10	B-4(2-3)	SOIL	Arsenic	9.740		0.34	0.52	1.040	mg/Kg
D2546-10	B-4(2-3)	SOIL	Beryllium	0.260	J	0.06	0.155	0.31	mg/Kg
D2546-10	B-4(2-3)	SOIL	Cadmium	1.410		0.06	0.155	0.31	mg/Kg
D2546-10	B-4(2-3)	SOIL	Chromium	12.800		0.14	0.26	0.52	mg/Kg
D2546-10	B-4(2-3)	SOIL	Copper	29.500		0.33	0.52	1.040	mg/Kg
D2546-10	B-4(2-3)	SOIL	Lead	16.000		0.13	0.315	0.63	mg/Kg
D2546-10	B-4(2-3)	SOIL	Mercury	0.032		0.002	0.005	0.010	mg/Kg
D2546-10	B-4(2-3)	SOIL	Nickel	26.000		0.48	1.045	2.090	mg/Kg
D2546-10	B-4(2-3)	SOIL	Zinc	61.900		0.73	1.045	2.090	mg/Kg
Client ID :	**B-3(9-2)**								
D2546-11	B-3(9-2)	SOIL	Arsenic	8.160		0.31	0.47	0.94	mg/Kg
D2546-11	B-3(9-2)	SOIL	Beryllium	0.440		0.06	0.14	0.28	mg/Kg
D2546-11	B-3(9-2)	SOIL	Cadmium	1.640		0.06	0.14	0.28	mg/Kg
D2546-11	B-3(9-2)	SOIL	Chromium	12.500		0.12	0.235	0.47	mg/Kg
D2546-11	B-3(9-2)	SOIL	Copper	17.000		0.30	0.47	0.94	mg/Kg
D2546-11	B-3(9-2)	SOIL	Lead	18.100		0.11	0.28	0.56	mg/Kg
D2546-11	B-3(9-2)	SOIL	Mercury	0.039		0.002	0.0055	0.011	mg/Kg
D2546-11	B-3(9-2)	SOIL	Nickel	22.000		0.43	0.935	1.870	mg/Kg
D2546-11	B-3(9-2)	SOIL	Zinc	51.000		0.66	0.935	1.870	mg/Kg
Client ID :	**B-3(2-3.5)**								
D2546-12	B-3(2-3.5)	SOIL	Arsenic	7.810		0.37	0.565	1.130	mg/Kg
D2546-12	B-3(2-3.5)	SOIL	Beryllium	0.380		0.07	0.17	0.34	mg/Kg
D2546-12	B-3(2-3.5)	SOIL	Cadmium	1.050		0.07	0.17	0.34	mg/Kg
D2546-12	B-3(2-3.5)	SOIL	Chromium	11.100		0.15	0.28	0.56	mg/Kg
D2546-12	B-3(2-3.5)	SOIL	Copper	16.500		0.36	0.565	1.130	mg/Kg
D2546-12	B-3(2-3.5)	SOIL	Lead	15.600		0.14	0.34	0.68	mg/Kg
D2546-12	B-3(2-3.5)	SOIL	Mercury	0.041		0.002	0.0055	0.011	mg/Kg
D2546-12	B-3(2-3.5)	SOIL	Nickel	18.500		0.52	1.13	2.260	mg/Kg

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Hit Summary Sheet
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SDG No.: D2546 **Order ID:** D2546

Client: Dvirka & Bartilucci **Project ID:** PV6256, IBM East Fishkill

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
D2546-12	B-3(2-3.5)	SOIL	Zinc	45.800		0.79	1.13	2.260	mg/Kg
Client ID :	**B-3(6-7)**								
D2546-13	B-3(6-7)	SOIL	Arsenic	8.560		0.28	0.43	0.86	mg/Kg
D2546-13	B-3(6-7)	SOIL	Beryllium	0.300		0.05	0.13	0.26	mg/Kg
D2546-13	B-3(6-7)	SOIL	Cadmium	1.530		0.05	0.13	0.26	mg/Kg
D2546-13	B-3(6-7)	SOIL	Chromium	10.900		0.11	0.215	0.43	mg/Kg
D2546-13	B-3(6-7)	SOIL	Copper	21.300		0.28	0.43	0.86	mg/Kg
D2546-13	B-3(6-7)	SOIL	Lead	14.000		0.10	0.26	0.52	mg/Kg
D2546-13	B-3(6-7)	SOIL	Mercury	0.030		0.002	0.0055	0.011	mg/Kg
D2546-13	B-3(6-7)	SOIL	Nickel	21.800		0.40	0.865	1.730	mg/Kg
D2546-13	B-3(6-7)	SOIL	Zinc	51.500		0.60	0.865	1.730	mg/Kg
Client ID :	**B-5(13-2)**								
D2546-14	B-5(13-2)	SOIL	Antimony	0.680	J	0.45	1	2.000	mg/Kg
D2546-14	B-5(13-2)	SOIL	Arsenic	7.830		0.26	0.4	0.80	mg/Kg
D2546-14	B-5(13-2)	SOIL	Beryllium	0.240		0.05	0.12	0.24	mg/Kg
D2546-14	B-5(13-2)	SOIL	Cadmium	1.690		0.05	0.12	0.24	mg/Kg
D2546-14	B-5(13-2)	SOIL	Chromium	27.100		0.10	0.2	0.40	mg/Kg
D2546-14	B-5(13-2)	SOIL	Copper	410.000		0.26	0.4	0.80	mg/Kg
D2546-14	B-5(13-2)	SOIL	Lead	15.700		0.10	0.24	0.48	mg/Kg
D2546-14	B-5(13-2)	SOIL	Mercury	0.018		0.002	0.0055	0.011	mg/Kg
D2546-14	B-5(13-2)	SOIL	Nickel	72.500		0.37	0.8	1.600	mg/Kg
D2546-14	B-5(13-2)	SOIL	Zinc	298.000		0.56	0.8	1.600	mg/Kg
Client ID :	**B-5(6-7)**								
D2546-15	B-5(6-7)	SOIL	Antimony	1.110	J	0.55	1.215	2.430	mg/Kg
D2546-15	B-5(6-7)	SOIL	Arsenic	4.060		0.32	0.485	0.97	mg/Kg
D2546-15	B-5(6-7)	SOIL	Beryllium	0.230	J	0.06	0.145	0.29	mg/Kg
D2546-15	B-5(6-7)	SOIL	Cadmium	0.660		0.06	0.145	0.29	mg/Kg
D2546-15	B-5(6-7)	SOIL	Copper	6.590		0.31	0.485	0.97	mg/Kg
D2546-15	B-5(6-7)	SOIL	Lead	3.670		0.12	0.29	0.58	mg/Kg
D2546-15	B-5(6-7)	SOIL	Mercury	0.003	J	0.002	0.0055	0.011	mg/Kg
D2546-15	B-5(6-7)	SOIL	Nickel	5.390		0.45	0.975	1.950	mg/Kg
D2546-15	B-5(6-7)	SOIL	Zinc	12.100		0.68	0.975	1.950	mg/Kg
Client ID :	**B-6(10-2)**								
D2546-16	B-6(10-2)	SOIL	Arsenic	11.600		0.36	0.55	1.100	mg/Kg
D2546-16	B-6(10-2)	SOIL	Beryllium	0.800		0.07	0.165	0.33	mg/Kg
D2546-16	B-6(10-2)	SOIL	Cadmium	2.390		0.07	0.165	0.33	mg/Kg
D2546-16	B-6(10-2)	SOIL	Chromium	12.400		0.14	0.275	0.55	mg/Kg
D2546-16	B-6(10-2)	SOIL	Copper	21.700		0.35	0.55	1.100	mg/Kg
D2546-16	B-6(10-2)	SOIL	Lead	17.300		0.13	0.33	0.66	mg/Kg
D2546-16	B-6(10-2)	SOIL	Mercury	0.081		0.002	0.006	0.012	mg/Kg

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Hit Summary Sheet
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SDG No.: D2546 **Order ID:** D2546

Client: Dvirka & Bartilucci **Project ID:** PV6256, IBM East Fishkill

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
D2546-16	B-6(10-2)	SOIL	Nickel	22.900		0.51	1.105	2.210	mg/Kg
D2546-16	B-6(10-2)	SOIL	Zinc	38.600		0.77	1.105	2.210	mg/Kg
Client ID :	**B-6(2-3)**								
D2546-17	B-6(2-3)	SOIL	Antimony	0.920	J	0.54	1.205	2.410	mg/Kg
D2546-17	B-6(2-3)	SOIL	Arsenic	15.500		0.32	0.48	0.96	mg/Kg
D2546-17	B-6(2-3)	SOIL	Beryllium	0.370		0.06	0.145	0.29	mg/Kg
D2546-17	B-6(2-3)	SOIL	Cadmium	1.050		0.06	0.145	0.29	mg/Kg
D2546-17	B-6(2-3)	SOIL	Chromium	2.290		0.13	0.24	0.48	mg/Kg
D2546-17	B-6(2-3)	SOIL	Copper	15.500		0.31	0.48	0.96	mg/Kg
D2546-17	B-6(2-3)	SOIL	Lead	9.510		0.12	0.29	0.58	mg/Kg
D2546-17	B-6(2-3)	SOIL	Mercury	0.013		0.002	0.0055	0.011	mg/Kg
D2546-17	B-6(2-3)	SOIL	Nickel	14.900		0.44	0.96	1.920	mg/Kg
D2546-17	B-6(2-3)	SOIL	Zinc	10.800		0.67	0.96	1.920	mg/Kg

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Antimony	977.49	994.0	98.3	90 - 110	P	05/14/2012	12:26	LB60659
	Arsenic	980.03	999.0	98.1	90 - 110	P	05/14/2012	12:26	LB60659
	Beryllium	481.01	495.0	97.2	90 - 110	P	05/14/2012	12:26	LB60659
	Cadmium	507.17	496.0	102.3	90 - 110	P	05/14/2012	12:26	LB60659
	Chromium	494.75	490.0	101.0	90 - 110	P	05/14/2012	12:26	LB60659
	Copper	504.63	492.0	102.6	90 - 110	P	05/14/2012	12:26	LB60659
	Lead	1007.50	1002.0	100.5	90 - 110	P	05/14/2012	12:26	LB60659
	Nickel	502.42	503.0	99.9	90 - 110	P	05/14/2012	12:26	LB60659
	Selenium	938.11	1003.0	93.5	90 - 110	P	05/14/2012	12:26	LB60659
	Silver	508.68	501.0	101.5	90 - 110	P	05/14/2012	12:26	LB60659
	Thallium	1001.70	1003.0	99.9	90 - 110	P	05/14/2012	12:26	LB60659
	Zinc	994.47	1025.0	97.0	90 - 110	P	05/14/2012	12:26	LB60659
CCV01	Antimony	5049.10	5000.0	101.0	90 - 110	P	05/14/2012	13:16	LB60659
	Arsenic	4919.00	5000.0	98.4	90 - 110	P	05/14/2012	13:16	LB60659
	Beryllium	234.79	250.0	93.9	90 - 110	P	05/14/2012	13:16	LB60659
	Cadmium	2481.10	2500.0	99.2	90 - 110	P	05/14/2012	13:16	LB60659
	Chromium	965.78	1000.0	96.6	90 - 110	P	05/14/2012	13:16	LB60659
	Copper	1187.00	1250.0	95.0	90 - 110	P	05/14/2012	13:16	LB60659
	Lead	4958.30	5000.0	99.2	90 - 110	P	05/14/2012	13:16	LB60659
	Nickel	2462.20	2500.0	98.5	90 - 110	P	05/14/2012	13:16	LB60659
	Selenium	4786.90	5000.0	95.7	90 - 110	P	05/14/2012	13:16	LB60659
	Silver	1200.20	1250.0	96.0	90 - 110	P	05/14/2012	13:16	LB60659
	Thallium	4931.70	5000.0	98.6	90 - 110	P	05/14/2012	13:16	LB60659
	Zinc	2421.00	2500.0	96.8	90 - 110	P	05/14/2012	13:16	LB60659
CCV02	Antimony	5099.20	5000.0	102.0	90 - 110	P	05/14/2012	14:06	LB60659
	Arsenic	4913.40	5000.0	98.3	90 - 110	P	05/14/2012	14:06	LB60659
	Beryllium	231.81	250.0	92.7	90 - 110	P	05/14/2012	14:06	LB60659
	Cadmium	2487.80	2500.0	99.5	90 - 110	P	05/14/2012	14:06	LB60659
	Chromium	977.08	1000.0	97.7	90 - 110	P	05/14/2012	14:06	LB60659
	Copper	1177.80	1250.0	94.2	90 - 110	P	05/14/2012	14:06	LB60659
	Lead	4981.20	5000.0	99.6	90 - 110	P	05/14/2012	14:06	LB60659
	Nickel	2461.30	2500.0	98.5	90 - 110	P	05/14/2012	14:06	LB60659

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Selenium	4760.10	5000.0	95.2	90 - 110	P	05/14/2012	14:06	LB60659
	Silver	1196.10	1250.0	95.7	90 - 110	P	05/14/2012	14:06	LB60659
	Thallium	4938.60	5000.0	98.8	90 - 110	P	05/14/2012	14:06	LB60659
	Zinc	2419.80	2500.0	96.8	90 - 110	P	05/14/2012	14:06	LB60659
CCV03	Antimony	4885.80	5000.0	97.7	90 - 110	P	05/14/2012	14:57	LB60659
	Arsenic	4907.10	5000.0	98.1	90 - 110	P	05/14/2012	14:57	LB60659
	Beryllium	239.89	250.0	96.0	90 - 110	P	05/14/2012	14:57	LB60659
	Cadmium	2385.70	2500.0	95.4	90 - 110	P	05/14/2012	14:57	LB60659
	Chromium	962.87	1000.0	96.3	90 - 110	P	05/14/2012	14:57	LB60659
	Copper	1213.90	1250.0	97.1	90 - 110	P	05/14/2012	14:57	LB60659
	Lead	4754.80	5000.0	95.1	90 - 110	P	05/14/2012	14:57	LB60659
	Nickel	2401.20	2500.0	96.0	90 - 110	P	05/14/2012	14:57	LB60659
	Selenium	4746.40	5000.0	94.9	90 - 110	P	05/14/2012	14:57	LB60659
	Silver	1173.10	1250.0	93.8	90 - 110	P	05/14/2012	14:57	LB60659
	Thallium	4822.10	5000.0	96.4	90 - 110	P	05/14/2012	14:57	LB60659
	Zinc	2384.60	2500.0	95.4	90 - 110	P	05/14/2012	14:57	LB60659
CCV04	Antimony	4960.40	5000.0	99.2	90 - 110	P	05/14/2012	15:47	LB60659
	Arsenic	4852.30	5000.0	97.0	90 - 110	P	05/14/2012	15:47	LB60659
	Beryllium	232.64	250.0	93.1	90 - 110	P	05/14/2012	15:47	LB60659
	Cadmium	2474.50	2500.0	99.0	90 - 110	P	05/14/2012	15:47	LB60659
	Chromium	958.38	1000.0	95.8	90 - 110	P	05/14/2012	15:47	LB60659
	Copper	1177.30	1250.0	94.2	90 - 110	P	05/14/2012	15:47	LB60659
	Lead	4937.80	5000.0	98.8	90 - 110	P	05/14/2012	15:47	LB60659
	Nickel	2446.70	2500.0	97.9	90 - 110	P	05/14/2012	15:47	LB60659
	Selenium	4758.90	5000.0	95.2	90 - 110	P	05/14/2012	15:47	LB60659
	Silver	1188.80	1250.0	95.1	90 - 110	P	05/14/2012	15:47	LB60659
	Thallium	4878.90	5000.0	97.6	90 - 110	P	05/14/2012	15:47	LB60659
	Zinc	2414.20	2500.0	96.6	90 - 110	P	05/14/2012	15:47	LB60659
CCV05	Antimony	5040.00	5000.0	100.8	90 - 110	P	05/14/2012	16:38	LB60659
	Arsenic	4860.30	5000.0	97.2	90 - 110	P	05/14/2012	16:38	LB60659
	Beryllium	232.54	250.0	93.0	90 - 110	P	05/14/2012	16:38	LB60659
	Cadmium	2503.60	2500.0	100.1	90 - 110	P	05/14/2012	16:38	LB60659
	Chromium	970.32	1000.0	97.0	90 - 110	P	05/14/2012	16:38	LB60659
	Copper	1174.90	1250.0	94.0	90 - 110	P	05/14/2012	16:38	LB60659
	Lead	4999.10	5000.0	100.0	90 - 110	P	05/14/2012	16:38	LB60659

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2465.80	2500.0	98.6	90 - 110	P	05/14/2012	16:38	LB60659
	Selenium	4792.90	5000.0	95.9	90 - 110	P	05/14/2012	16:38	LB60659
	Silver	1191.40	1250.0	95.3	90 - 110	P	05/14/2012	16:38	LB60659
	Thallium	4925.40	5000.0	98.5	90 - 110	P	05/14/2012	16:38	LB60659
	Zinc	2464.80	2500.0	98.6	90 - 110	P	05/14/2012	16:38	LB60659
CCV06	Antimony	4999.90	5000.0	100.0	90 - 110	P	05/14/2012	17:28	LB60659
	Arsenic	4773.30	5000.0	95.5	90 - 110	P	05/14/2012	17:28	LB60659
	Beryllium	229.12	250.0	91.6	90 - 110	P	05/14/2012	17:28	LB60659
	Cadmium	2520.20	2500.0	100.8	90 - 110	P	05/14/2012	17:28	LB60659
	Chromium	979.80	1000.0	98.0	90 - 110	P	05/14/2012	17:28	LB60659
	Copper	1166.80	1250.0	93.3	90 - 110	P	05/14/2012	17:28	LB60659
	Lead	5000.40	5000.0	100.0	90 - 110	P	05/14/2012	17:28	LB60659
	Nickel	2469.30	2500.0	98.8	90 - 110	P	05/14/2012	17:28	LB60659
	Selenium	4696.50	5000.0	93.9	90 - 110	P	05/14/2012	17:28	LB60659
	Silver	1196.20	1250.0	95.7	90 - 110	P	05/14/2012	17:28	LB60659
	Thallium	4913.70	5000.0	98.3	90 - 110	P	05/14/2012	17:28	LB60659
	Zinc	2418.20	2500.0	96.7	90 - 110	P	05/14/2012	17:28	LB60659
CCV07	Antimony	4951.80	5000.0	99.0	90 - 110	P	05/14/2012	18:19	LB60659
	Arsenic	4750.50	5000.0	95.0	90 - 110	P	05/14/2012	18:19	LB60659
	Beryllium	232.16	250.0	92.9	90 - 110	P	05/14/2012	18:19	LB60659
	Cadmium	2549.60	2500.0	102.0	90 - 110	P	05/14/2012	18:19	LB60659
	Chromium	981.20	1000.0	98.1	90 - 110	P	05/14/2012	18:19	LB60659
	Copper	1168.40	1250.0	93.5	90 - 110	P	05/14/2012	18:19	LB60659
	Lead	5056.30	5000.0	101.1	90 - 110	P	05/14/2012	18:19	LB60659
	Nickel	2494.70	2500.0	99.8	90 - 110	P	05/14/2012	18:19	LB60659
	Selenium	4673.10	5000.0	93.5	90 - 110	P	05/14/2012	18:19	LB60659
	Silver	1199.40	1250.0	96.0	90 - 110	P	05/14/2012	18:19	LB60659
	Thallium	4952.10	5000.0	99.0	90 - 110	P	05/14/2012	18:19	LB60659
	Zinc	2462.60	2500.0	98.5	90 - 110	P	05/14/2012	18:19	LB60659
CCV08	Antimony	5149.00	5000.0	103.0	90 - 110	P	05/14/2012	19:23	LB60659
	Arsenic	5003.70	5000.0	100.1	90 - 110	P	05/14/2012	19:23	LB60659
	Beryllium	244.12	250.0	97.6	90 - 110	P	05/14/2012	19:23	LB60659
	Cadmium	2629.00	2500.0	105.2	90 - 110	P	05/14/2012	19:23	LB60659
	Chromium	1028.80	1000.0	102.9	90 - 110	P	05/14/2012	19:23	LB60659
	Copper	1230.50	1250.0	98.4	90 - 110	P	05/14/2012	19:23	LB60659

CHEMTECH

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Lead	5225.90	5000.0	104.5	90 - 110	P	05/14/2012	19:23	LB60659
	Nickel	2587.10	2500.0	103.5	90 - 110	P	05/14/2012	19:23	LB60659
	Selenium	4872.90	5000.0	97.5	90 - 110	P	05/14/2012	19:23	LB60659
	Silver	1242.00	1250.0	99.4	90 - 110	P	05/14/2012	19:23	LB60659
	Thallium	5118.40	5000.0	102.4	90 - 110	P	05/14/2012	19:23	LB60659
	Zinc	2572.10	2500.0	102.9	90 - 110	P	05/14/2012	19:23	LB60659
CCV09	Antimony	4904.50	5000.0	98.1	90 - 110	P	05/14/2012	20:14	LB60659
	Arsenic	4764.40	5000.0	95.3	90 - 110	P	05/14/2012	20:14	LB60659
	Beryllium	233.91	250.0	93.6	90 - 110	P	05/14/2012	20:14	LB60659
	Cadmium	2521.80	2500.0	100.9	90 - 110	P	05/14/2012	20:14	LB60659
	Chromium	980.60	1000.0	98.1	90 - 110	P	05/14/2012	20:14	LB60659
	Copper	1178.50	1250.0	94.3	90 - 110	P	05/14/2012	20:14	LB60659
	Lead	4977.50	5000.0	99.6	90 - 110	P	05/14/2012	20:14	LB60659
	Nickel	2468.10	2500.0	98.7	90 - 110	P	05/14/2012	20:14	LB60659
	Selenium	4538.70	5000.0	90.8	90 - 110	P	05/14/2012	20:14	LB60659
	Silver	1197.10	1250.0	95.8	90 - 110	P	05/14/2012	20:14	LB60659
	Thallium	4903.20	5000.0	98.1	90 - 110	P	05/14/2012	20:14	LB60659
	Zinc	2400.60	2500.0	96.0	90 - 110	P	05/14/2012	20:14	LB60659
CCV10	Antimony	5224.50	5000.0	104.5	90 - 110	P	05/14/2012	21:05	LB60659
	Arsenic	5004.20	5000.0	100.1	90 - 110	P	05/14/2012	21:05	LB60659
	Beryllium	238.95	250.0	95.6	90 - 110	P	05/14/2012	21:05	LB60659
	Cadmium	2663.00	2500.0	106.5	90 - 110	P	05/14/2012	21:05	LB60659
	Chromium	1041.50	1000.0	104.2	90 - 110	P	05/14/2012	21:05	LB60659
	Copper	1194.00	1250.0	95.5	90 - 110	P	05/14/2012	21:05	LB60659
	Lead	5278.60	5000.0	105.6	90 - 110	P	05/14/2012	21:05	LB60659
	Nickel	2604.00	2500.0	104.2	90 - 110	P	05/14/2012	21:05	LB60659
	Selenium	4816.10	5000.0	96.3	90 - 110	P	05/14/2012	21:05	LB60659
	Silver	1236.10	1250.0	98.9	90 - 110	P	05/14/2012	21:05	LB60659
	Thallium	5166.00	5000.0	103.3	90 - 110	P	05/14/2012	21:05	LB60659
	Zinc	2595.80	2500.0	103.8	90 - 110	P	05/14/2012	21:05	LB60659
CCV11	Antimony	5096.80	5000.0	101.9	90 - 110	P	05/14/2012	21:57	LB60659
	Arsenic	4898.30	5000.0	98.0	90 - 110	P	05/14/2012	21:57	LB60659
	Beryllium	238.07	250.0	95.2	90 - 110	P	05/14/2012	21:57	LB60659
	Cadmium	2584.00	2500.0	103.4	90 - 110	P	05/14/2012	21:57	LB60659
	Chromium	1013.40	1000.0	101.3	90 - 110	P	05/14/2012	21:57	LB60659

CHEMTECH

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV11	Copper	1203.70	1250.0	96.3	90 - 110	P	05/14/2012	21:57	LB60659
	Lead	5142.10	5000.0	102.8	90 - 110	P	05/14/2012	21:57	LB60659
	Nickel	2537.40	2500.0	101.5	90 - 110	P	05/14/2012	21:57	LB60659
	Selenium	4850.40	5000.0	97.0	90 - 110	P	05/14/2012	21:57	LB60659
	Silver	1227.50	1250.0	98.2	90 - 110	P	05/14/2012	21:57	LB60659
	Thallium	5057.40	5000.0	101.1	90 - 110	P	05/14/2012	21:57	LB60659
	Zinc	2518.20	2500.0	100.7	90 - 110	P	05/14/2012	21:57	LB60659
CCV12	Antimony	5142.40	5000.0	102.8	90 - 110	P	05/14/2012	22:51	LB60659
	Arsenic	4904.30	5000.0	98.1	90 - 110	P	05/14/2012	22:51	LB60659
	Beryllium	237.45	250.0	95.0	90 - 110	P	05/14/2012	22:51	LB60659
	Cadmium	2642.20	2500.0	105.7	90 - 110	P	05/14/2012	22:51	LB60659
	Chromium	1030.20	1000.0	103.0	90 - 110	P	05/14/2012	22:51	LB60659
	Copper	1192.20	1250.0	95.4	90 - 110	P	05/14/2012	22:51	LB60659
	Lead	5231.70	5000.0	104.6	90 - 110	P	05/14/2012	22:51	LB60659
	Nickel	2573.50	2500.0	102.9	90 - 110	P	05/14/2012	22:51	LB60659
	Selenium	4718.00	5000.0	94.4	90 - 110	P	05/14/2012	22:51	LB60659
	Silver	1237.60	1250.0	99.0	90 - 110	P	05/14/2012	22:51	LB60659
	Thallium	5113.30	5000.0	102.3	90 - 110	P	05/14/2012	22:51	LB60659
	Zinc	2526.60	2500.0	101.1	90 - 110	P	05/14/2012	22:51	LB60659
CCV13	Antimony	5092.60	5000.0	101.9	90 - 110	P	05/14/2012	23:42	LB60659
	Arsenic	4880.50	5000.0	97.6	90 - 110	P	05/14/2012	23:42	LB60659
	Beryllium	233.97	250.0	93.6	90 - 110	P	05/14/2012	23:42	LB60659
	Cadmium	2594.10	2500.0	103.8	90 - 110	P	05/14/2012	23:42	LB60659
	Chromium	1015.90	1000.0	101.6	90 - 110	P	05/14/2012	23:42	LB60659
	Copper	1196.00	1250.0	95.7	90 - 110	P	05/14/2012	23:42	LB60659
	Lead	5164.60	5000.0	103.3	90 - 110	P	05/14/2012	23:42	LB60659
	Nickel	2549.00	2500.0	102.0	90 - 110	P	05/14/2012	23:42	LB60659
	Selenium	4790.70	5000.0	95.8	90 - 110	P	05/14/2012	23:42	LB60659
	Silver	1213.90	1250.0	97.1	90 - 110	P	05/14/2012	23:42	LB60659
	Thallium	5037.00	5000.0	100.7	90 - 110	P	05/14/2012	23:42	LB60659
	Zinc	2511.60	2500.0	100.5	90 - 110	P	05/14/2012	23:42	LB60659
ICV01	Antimony	965.15	994.0	97.1	90 - 110	P	05/15/2012	15:39	LB60693
	Arsenic	986.78	999.0	98.8	90 - 110	P	05/15/2012	15:39	LB60693
	Beryllium	493.92	495.0	99.8	90 - 110	P	05/15/2012	15:39	LB60693
	Cadmium	508.58	496.0	102.5	90 - 110	P	05/15/2012	15:39	LB60693

CHEMTECH

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Chromium	507.61	490.0	103.6	90 - 110	P	05/15/2012	15:39	LB60693
	Copper	516.56	492.0	105.0	90 - 110	P	05/15/2012	15:39	LB60693
	Lead	1001.40	1002.0	99.9	90 - 110	P	05/15/2012	15:39	LB60693
	Nickel	503.60	503.0	100.1	90 - 110	P	05/15/2012	15:39	LB60693
	Selenium	1002.00	1003.0	99.9	90 - 110	P	05/15/2012	15:39	LB60693
	Silver	497.04	501.0	99.2	90 - 110	P	05/15/2012	15:39	LB60693
	Thallium	1002.80	1003.0	100.0	90 - 110	P	05/15/2012	15:39	LB60693
	Zinc	1034.60	1025.0	100.9	90 - 110	P	05/15/2012	15:39	LB60693
CCV01	Antimony	4822.20	5000.0	96.4	90 - 110	P	05/15/2012	16:05	LB60693
	Arsenic	4879.00	5000.0	97.6	90 - 110	P	05/15/2012	16:05	LB60693
	Beryllium	258.95	250.0	103.6	90 - 110	P	05/15/2012	16:05	LB60693
	Cadmium	2521.80	2500.0	100.9	90 - 110	P	05/15/2012	16:05	LB60693
	Chromium	1023.70	1000.0	102.4	90 - 110	P	05/15/2012	16:05	LB60693
	Copper	1287.60	1250.0	103.0	90 - 110	P	05/15/2012	16:05	LB60693
	Lead	4992.90	5000.0	99.9	90 - 110	P	05/15/2012	16:05	LB60693
	Nickel	2508.90	2500.0	100.4	90 - 110	P	05/15/2012	16:05	LB60693
	Selenium	5042.50	5000.0	100.8	90 - 110	P	05/15/2012	16:05	LB60693
	Silver	1263.40	1250.0	101.1	90 - 110	P	05/15/2012	16:05	LB60693
	Thallium	4978.40	5000.0	99.6	90 - 110	P	05/15/2012	16:05	LB60693
	Zinc	2600.40	2500.0	104.0	90 - 110	P	05/15/2012	16:05	LB60693
CCV02	Antimony	4777.00	5000.0	95.5	90 - 110	P	05/15/2012	16:56	LB60693
	Arsenic	4884.60	5000.0	97.7	90 - 110	P	05/15/2012	16:56	LB60693
	Beryllium	260.24	250.0	104.1	90 - 110	P	05/15/2012	16:56	LB60693
	Cadmium	2483.80	2500.0	99.4	90 - 110	P	05/15/2012	16:56	LB60693
	Chromium	1032.10	1000.0	103.2	90 - 110	P	05/15/2012	16:56	LB60693
	Copper	1303.50	1250.0	104.3	90 - 110	P	05/15/2012	16:56	LB60693
	Lead	4914.70	5000.0	98.3	90 - 110	P	05/15/2012	16:56	LB60693
	Nickel	2483.30	2500.0	99.3	90 - 110	P	05/15/2012	16:56	LB60693
	Selenium	5050.20	5000.0	101.0	90 - 110	P	05/15/2012	16:56	LB60693
	Silver	1266.20	1250.0	101.3	90 - 110	P	05/15/2012	16:56	LB60693
	Thallium	4927.10	5000.0	98.5	90 - 110	P	05/15/2012	16:56	LB60693
	Zinc	2575.40	2500.0	103.0	90 - 110	P	05/15/2012	16:56	LB60693
CCV03	Antimony	4778.90	5000.0	95.6	90 - 110	P	05/15/2012	17:47	LB60693
	Arsenic	4874.10	5000.0	97.5	90 - 110	P	05/15/2012	17:47	LB60693
	Beryllium	268.67	250.0	107.5	90 - 110	P	05/15/2012	17:47	LB60693

CHEMTECH

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV03	Cadmium	2542.90	2500.0	101.7	90 - 110	P	05/15/2012	17:47	LB60693
	Chromium	1069.50	1000.0	107.0	90 - 110	P	05/15/2012	17:47	LB60693
	Copper	1328.20	1250.0	106.3	90 - 110	P	05/15/2012	17:47	LB60693
	Lead	5009.00	5000.0	100.2	90 - 110	P	05/15/2012	17:47	LB60693
	Nickel	2525.60	2500.0	101.0	90 - 110	P	05/15/2012	17:47	LB60693
	Selenium	5102.90	5000.0	102.1	90 - 110	P	05/15/2012	17:47	LB60693
	Silver	1307.00	1250.0	104.6	90 - 110	P	05/15/2012	17:47	LB60693
	Thallium	4976.00	5000.0	99.5	90 - 110	P	05/15/2012	17:47	LB60693
	Zinc	2645.90	2500.0	105.8	90 - 110	P	05/15/2012	17:47	LB60693
CCV04	Antimony	4709.20	5000.0	94.2	90 - 110	P	05/15/2012	18:38	LB60693
	Arsenic	4787.40	5000.0	95.7	90 - 110	P	05/15/2012	18:38	LB60693
	Beryllium	263.07	250.0	105.2	90 - 110	P	05/15/2012	18:38	LB60693
	Cadmium	2511.20	2500.0	100.4	90 - 110	P	05/15/2012	18:38	LB60693
	Chromium	1059.80	1000.0	106.0	90 - 110	P	05/15/2012	18:38	LB60693
	Copper	1301.80	1250.0	104.1	90 - 110	P	05/15/2012	18:38	LB60693
	Lead	4946.70	5000.0	98.9	90 - 110	P	05/15/2012	18:38	LB60693
	Nickel	2491.60	2500.0	99.7	90 - 110	P	05/15/2012	18:38	LB60693
	Selenium	5013.10	5000.0	100.3	90 - 110	P	05/15/2012	18:38	LB60693
	Silver	1289.10	1250.0	103.1	90 - 110	P	05/15/2012	18:38	LB60693
	Thallium	4924.60	5000.0	98.5	90 - 110	P	05/15/2012	18:38	LB60693
	Zinc	2617.10	2500.0	104.7	90 - 110	P	05/15/2012	18:38	LB60693
CCV05	Antimony	4735.30	5000.0	94.7	90 - 110	P	05/15/2012	19:29	LB60693
	Arsenic	4826.50	5000.0	96.5	90 - 110	P	05/15/2012	19:29	LB60693
	Beryllium	271.33	250.0	108.5	90 - 110	P	05/15/2012	19:29	LB60693
	Cadmium	2561.40	2500.0	102.5	90 - 110	P	05/15/2012	19:29	LB60693
	Chromium	1085.90	1000.0	108.6	90 - 110	P	05/15/2012	19:29	LB60693
	Copper	1337.70	1250.0	107.0	90 - 110	P	05/15/2012	19:29	LB60693
	Lead	5022.20	5000.0	100.4	90 - 110	P	05/15/2012	19:29	LB60693
	Nickel	2534.10	2500.0	101.4	90 - 110	P	05/15/2012	19:29	LB60693
	Selenium	4984.30	5000.0	99.7	90 - 110	P	05/15/2012	19:29	LB60693
	Silver	1306.90	1250.0	104.6	90 - 110	P	05/15/2012	19:29	LB60693
	Thallium	4968.20	5000.0	99.4	90 - 110	P	05/15/2012	19:29	LB60693
	Zinc	2612.30	2500.0	104.5	90 - 110	P	05/15/2012	19:29	LB60693
CCV06	Antimony	4781.80	5000.0	95.6	90 - 110	P	05/15/2012	20:20	LB60693
	Arsenic	4837.80	5000.0	96.8	90 - 110	P	05/15/2012	20:20	LB60693

CHEMTECH

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Initial Calibration Source: EPA

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV06	Beryllium	269.44	250.0	107.8	90 - 110	P	05/15/2012	20:20	LB60693
	Cadmium	2614.00	2500.0	104.6	90 - 110	P	05/15/2012	20:20	LB60693
	Chromium	1090.20	1000.0	109.0	90 - 110	P	05/15/2012	20:20	LB60693
	Copper	1337.90	1250.0	107.0	90 - 110	P	05/15/2012	20:20	LB60693
	Lead	5129.80	5000.0	102.6	90 - 110	P	05/15/2012	20:20	LB60693
	Nickel	2585.20	2500.0	103.4	90 - 110	P	05/15/2012	20:20	LB60693
	Selenium	4959.80	5000.0	99.2	90 - 110	P	05/15/2012	20:20	LB60693
	Silver	1303.70	1250.0	104.3	90 - 110	P	05/15/2012	20:20	LB60693
	Thallium	5029.60	5000.0	100.6	90 - 110	P	05/15/2012	20:20	LB60693
	Zinc	2604.80	2500.0	104.2	90 - 110	P	05/15/2012	20:20	LB60693
CCV07	Antimony	4776.40	5000.0	95.5	90 - 110	P	05/15/2012	21:11	LB60693
	Arsenic	4745.00	5000.0	94.9	90 - 110	P	05/15/2012	21:11	LB60693
	Beryllium	264.75	250.0	105.9	90 - 110	P	05/15/2012	21:11	LB60693
	Cadmium	2574.30	2500.0	103.0	90 - 110	P	05/15/2012	21:11	LB60693
	Chromium	1082.60	1000.0	108.3	90 - 110	P	05/15/2012	21:11	LB60693
	Copper	1316.60	1250.0	105.3	90 - 110	P	05/15/2012	21:11	LB60693
	Lead	5049.40	5000.0	101.0	90 - 110	P	05/15/2012	21:11	LB60693
	Nickel	2527.40	2500.0	101.1	90 - 110	P	05/15/2012	21:11	LB60693
	Selenium	5103.80	5000.0	102.1	90 - 110	P	05/15/2012	21:11	LB60693
	Silver	1307.60	1250.0	104.6	90 - 110	P	05/15/2012	21:11	LB60693
	Thallium	4954.00	5000.0	99.1	90 - 110	P	05/15/2012	21:11	LB60693
	Zinc	2623.90	2500.0	105.0	90 - 110	P	05/15/2012	21:11	LB60693

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Mercury	3.86	4.0	96.5	90 - 110	CV	05/15/2012	13:16	LB60687
CCV01	Mercury	5.10	5.0	102.0	90 - 110	CV	05/15/2012	13:20	LB60687
CCV02	Mercury	5.17	5.0	103.4	90 - 110	CV	05/15/2012	13:43	LB60687
CCV03	Mercury	5.19	5.0	103.8	90 - 110	CV	05/15/2012	14:06	LB60687
CCV04	Mercury	5.25	5.0	105.0	90 - 110	CV	05/15/2012	14:29	LB60687
CCV05	Mercury	5.23	5.0	104.6	90 - 110	CV	05/15/2012	14:52	LB60687
CCV06	Mercury	5.19	5.0	103.8	90 - 110	CV	05/15/2012	15:14	LB60687
CCV07	Mercury	5.08	5.0	101.6	90 - 110	CV	05/15/2012	15:24	LB60687

CHEMTECH

Metals

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CRDL STANDARD FOR AA & ICP

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Initial Calibration Source:

Continuing Calibration Source: INORGANIC-VENTURES

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Antimony	26.97	25.0	107.9	50 - 150	P	05/14/2012	12:39	LB60659
	Arsenic	9.94	10.0	99.4	70 - 130	P	05/14/2012	12:39	LB60659
	Beryllium	3.00	3.0	100.0	70 - 130	P	05/14/2012	12:39	LB60659
	Cadmium	3.43	3.0	114.3	70 - 130	P	05/14/2012	12:39	LB60659
	Chromium	5.74	5.0	114.8	70 - 130	P	05/14/2012	12:39	LB60659
	Copper	11.04	10.0	110.4	70 - 130	P	05/14/2012	12:39	LB60659
	Lead	6.11	6.0	101.8	50 - 150	P	05/14/2012	12:39	LB60659
	Nickel	21.76	20.0	108.8	70 - 130	P	05/14/2012	12:39	LB60659
	Selenium	8.21	10.0	82.1	70 - 130	P	05/14/2012	12:39	LB60659
	Silver	5.48	5.0	109.6	70 - 130	P	05/14/2012	12:39	LB60659
	Thallium	21.35	20.0	106.8	50 - 150	P	05/14/2012	12:39	LB60659
	Zinc	25.52	20.0	127.6	70 - 130	P	05/14/2012	12:39	LB60659
CRI01	Mercury	0.15	0.2	75.0	70 - 130	CV	05/15/2012	13:24	LB60687
CRI01	Antimony	23.58	25.0	94.3	50 - 150	P	05/15/2012	15:48	LB60693
	Arsenic	6.05	10.0	60.5	70 - 130	P	05/15/2012	15:48	LB60693
	Beryllium	3.14	3.0	104.7	70 - 130	P	05/15/2012	15:48	LB60693
	Cadmium	3.32	3.0	110.7	70 - 130	P	05/15/2012	15:48	LB60693
	Chromium	5.11	5.0	102.2	70 - 130	P	05/15/2012	15:48	LB60693
	Copper	10.37	10.0	103.7	70 - 130	P	05/15/2012	15:48	LB60693
	Lead	5.78	6.0	96.3	50 - 150	P	05/15/2012	15:48	LB60693
	Nickel	21.39	20.0	107.0	70 - 130	P	05/15/2012	15:48	LB60693
	Selenium	7.72	10.0	77.2	70 - 130	P	05/15/2012	15:48	LB60693
	Silver	5.01	5.0	100.2	70 - 130	P	05/15/2012	15:48	LB60693
	Thallium	17.91	20.0	89.6	50 - 150	P	05/15/2012	15:48	LB60693
	Zinc	24.05	20.0	120.2	70 - 130	P	05/15/2012	15:48	LB60693

CHEMTECH

Metals
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INTERFERENCE CHECK SAMPLE

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window	Analysis Date	Analysis Time	Run Number
ICSA01	Antimony	4.8				05/14/2012	12:47	LB60659
	Arsenic	3.8				05/14/2012	12:47	LB60659
	Beryllium	0.62				05/14/2012	12:47	LB60659
	Cadmium	3.4				05/14/2012	12:47	LB60659
	Chromium	49.1	43	114.2	80 - 120%	05/14/2012	12:47	LB60659
	Copper	27.8				05/14/2012	12:47	LB60659
	Lead	6.9				05/14/2012	12:47	LB60659
	Nickel	23.8				05/14/2012	12:47	LB60659
	Selenium	-4.9				05/14/2012	12:47	LB60659
	Silver	-6.6				05/14/2012	12:47	LB60659
	Thallium	2.7				05/14/2012	12:47	LB60659
	Zinc	35.7				05/14/2012	12:47	LB60659
ICSAB01	Antimony	639	589	108.5	80 - 120%	05/14/2012	12:51	LB60659
	Arsenic	102	101	101.0	80 - 120%	05/14/2012	12:51	LB60659
	Beryllium	483	475	101.7	80 - 120%	05/14/2012	12:51	LB60659
	Cadmium	1060	940	112.8	80 - 120%	05/14/2012	12:51	LB60659
	Chromium	530	511	103.7	80 - 120%	05/14/2012	12:51	LB60659
	Copper	497	548	90.7	80 - 120%	05/14/2012	12:51	LB60659
	Lead	63.1	61	103.4	80 - 120%	05/14/2012	12:51	LB60659
	Nickel	1060	984	107.7	80 - 120%	05/14/2012	12:51	LB60659
	Selenium	42.7	53	80.6	80 - 120%	05/14/2012	12:51	LB60659
	Silver	200	206	97.1	80 - 120%	05/14/2012	12:51	LB60659
	Thallium	100	103	97.1	80 - 120%	05/14/2012	12:51	LB60659
	Zinc	1000	1028	97.3	80 - 120%	05/14/2012	12:51	LB60659
ICSA01	Antimony	5.2				05/15/2012	15:56	LB60693
	Arsenic	-5.9				05/15/2012	15:56	LB60693
	Beryllium	0.66				05/15/2012	15:56	LB60693
	Cadmium	1.6				05/15/2012	15:56	LB60693
	Chromium	49.9	43	116.0	80 - 120%	05/15/2012	15:56	LB60693
	Copper	35.4				05/15/2012	15:56	LB60693
	Lead	7.2				05/15/2012	15:56	LB60693
	Nickel	25.2				05/15/2012	15:56	LB60693
	Selenium	8.3				05/15/2012	15:56	LB60693
	Silver	-1.1				05/15/2012	15:56	LB60693
	Thallium	-3.8				05/15/2012	15:56	LB60693
	Zinc	25.0				05/15/2012	15:56	LB60693
ICSAB01	Antimony	590	589	100.2	80 - 120%	05/15/2012	16:00	LB60693
	Arsenic	99.8	101	98.8	80 - 120%	05/15/2012	16:00	LB60693
	Beryllium	510	475	107.4	80 - 120%	05/15/2012	16:00	LB60693
	Cadmium	1010	940	107.4	80 - 120%	05/15/2012	16:00	LB60693
	Chromium	532	511	104.1	80 - 120%	05/15/2012	16:00	LB60693
	Copper	534	548	97.4	80 - 120%	05/15/2012	16:00	LB60693
	Lead	60.7	61	99.5	80 - 120%	05/15/2012	16:00	LB60693
	Nickel	1030	984	104.7	80 - 120%	05/15/2012	16:00	LB60693
	Selenium	56.2	53	106.0	80 - 120%	05/15/2012	16:00	LB60693

CHEMTECH

Metals
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INTERFERENCE CHECK SAMPLE

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window	Analysis Date	Analysis Time	Run Number
ICSAB01	Silver	209	206	101.5	80 - 120%	05/15/2012	16:00	LB60693
	Thallium	96.9	103	94.1	80 - 120%	05/15/2012	16:00	LB60693
	Zinc	991	1028	96.4	80 - 120%	05/15/2012	16:00	LB60693

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Sample ID	Analyte	Result ug/L	Accceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/14/2012	12:31	LB60659
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/14/2012	12:31	LB60659
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/14/2012	12:31	LB60659
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/14/2012	12:31	LB60659
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/14/2012	12:31	LB60659
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/14/2012	12:31	LB60659
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/14/2012	12:31	LB60659
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/14/2012	12:31	LB60659
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/14/2012	12:31	LB60659
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/14/2012	12:31	LB60659
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	05/14/2012	12:31	LB60659
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/14/2012	12:31	LB60659
CCB01	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/14/2012	13:20	LB60659
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/14/2012	13:20	LB60659
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/14/2012	13:20	LB60659
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/14/2012	13:20	LB60659
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/14/2012	13:20	LB60659
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/14/2012	13:20	LB60659
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/14/2012	13:20	LB60659
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/14/2012	13:20	LB60659
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/14/2012	13:20	LB60659
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/14/2012	13:20	LB60659
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	05/14/2012	13:20	LB60659
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/14/2012	13:20	LB60659
CCB02	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/14/2012	14:11	LB60659
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/14/2012	14:11	LB60659
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/14/2012	14:11	LB60659
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/14/2012	14:11	LB60659
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/14/2012	14:11	LB60659
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/14/2012	14:11	LB60659
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/14/2012	14:11	LB60659
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/14/2012	14:11	LB60659
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/14/2012	14:11	LB60659
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/14/2012	14:11	LB60659
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	05/14/2012	14:11	LB60659
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/14/2012	14:11	LB60659
CCB03	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/14/2012	15:01	LB60659
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/14/2012	15:01	LB60659
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/14/2012	15:01	LB60659

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB03	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/14/2012	15:01	LB60659
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/14/2012	15:01	LB60659
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/14/2012	15:01	LB60659
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/14/2012	15:01	LB60659
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/14/2012	15:01	LB60659
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/14/2012	15:01	LB60659
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/14/2012	15:01	LB60659
	Thallium	2.8	+/-20.0	J	2.4	20.0	P	05/14/2012	15:01	LB60659
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/14/2012	15:01	LB60659
CCB04	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/14/2012	15:51	LB60659
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/14/2012	15:51	LB60659
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/14/2012	15:51	LB60659
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/14/2012	15:51	LB60659
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/14/2012	15:51	LB60659
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/14/2012	15:51	LB60659
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/14/2012	15:51	LB60659
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/14/2012	15:51	LB60659
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/14/2012	15:51	LB60659
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/14/2012	15:51	LB60659
	Thallium	2.7	+/-20.0	J	2.4	20.0	P	05/14/2012	15:51	LB60659
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/14/2012	15:51	LB60659
CCB05	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/14/2012	16:42	LB60659
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/14/2012	16:42	LB60659
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/14/2012	16:42	LB60659
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/14/2012	16:42	LB60659
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/14/2012	16:42	LB60659
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/14/2012	16:42	LB60659
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/14/2012	16:42	LB60659
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/14/2012	16:42	LB60659
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/14/2012	16:42	LB60659
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/14/2012	16:42	LB60659
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	05/14/2012	16:42	LB60659
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/14/2012	16:42	LB60659
CCB06	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/14/2012	17:32	LB60659
	Arsenic	6.3	+/-10.0	J	4.2	10.0	P	05/14/2012	17:32	LB60659
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/14/2012	17:32	LB60659
	Cadmium	1.5	+/-3.0	J	0.5	3.0	P	05/14/2012	17:32	LB60659
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/14/2012	17:32	LB60659
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/14/2012	17:32	LB60659
	Lead	3.3	+/-6.0	J	2.6	6.0	P	05/14/2012	17:32	LB60659
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/14/2012	17:32	LB60659
	Selenium	6.0	+/-10.0	J	4.8	10.0	P	05/14/2012	17:32	LB60659

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/14/2012	17:32	LB60659
	Thallium	7.5	+/-20.0	J	2.4	20.0	P	05/14/2012	17:32	LB60659
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/14/2012	17:32	LB60659
CCB07	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/14/2012	18:23	LB60659
	Arsenic	6.6	+/-10.0	J	4.2	10.0	P	05/14/2012	18:23	LB60659
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/14/2012	18:23	LB60659
	Cadmium	2.2	+/-3.0	J	0.5	3.0	P	05/14/2012	18:23	LB60659
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/14/2012	18:23	LB60659
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/14/2012	18:23	LB60659
	Lead	5.1	+/-6.0	J	2.6	6.0	P	05/14/2012	18:23	LB60659
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/14/2012	18:23	LB60659
	Selenium	5.6	+/-10.0	J	4.8	10.0	P	05/14/2012	18:23	LB60659
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/14/2012	18:23	LB60659
	Thallium	8.2	+/-20.0	J	2.4	20.0	P	05/14/2012	18:23	LB60659
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/14/2012	18:23	LB60659
CCB08	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/14/2012	19:28	LB60659
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/14/2012	19:28	LB60659
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/14/2012	19:28	LB60659
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/14/2012	19:28	LB60659
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/14/2012	19:28	LB60659
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/14/2012	19:28	LB60659
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/14/2012	19:28	LB60659
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/14/2012	19:28	LB60659
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/14/2012	19:28	LB60659
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/14/2012	19:28	LB60659
	Thallium	2.6	+/-20.0	J	2.4	20.0	P	05/14/2012	19:28	LB60659
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/14/2012	19:28	LB60659
CCB09	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/14/2012	20:18	LB60659
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/14/2012	20:18	LB60659
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/14/2012	20:18	LB60659
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/14/2012	20:18	LB60659
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/14/2012	20:18	LB60659
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/14/2012	20:18	LB60659
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/14/2012	20:18	LB60659
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/14/2012	20:18	LB60659
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/14/2012	20:18	LB60659
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/14/2012	20:18	LB60659
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	05/14/2012	20:18	LB60659
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/14/2012	20:18	LB60659
CCB10	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/14/2012	21:09	LB60659
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/14/2012	21:09	LB60659
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/14/2012	21:09	LB60659

CHEMTECH

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB10	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/14/2012	21:09	LB60659
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/14/2012	21:09	LB60659
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/14/2012	21:09	LB60659
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/14/2012	21:09	LB60659
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/14/2012	21:09	LB60659
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/14/2012	21:09	LB60659
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/14/2012	21:09	LB60659
	Thallium	2.7	+/-20.0	J	2.4	20.0	P	05/14/2012	21:09	LB60659
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/14/2012	21:09	LB60659
CCB11	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/14/2012	22:01	LB60659
	Arsenic	5.4	+/-10.0	J	4.2	10.0	P	05/14/2012	22:01	LB60659
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/14/2012	22:01	LB60659
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/14/2012	22:01	LB60659
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/14/2012	22:01	LB60659
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/14/2012	22:01	LB60659
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/14/2012	22:01	LB60659
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/14/2012	22:01	LB60659
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/14/2012	22:01	LB60659
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/14/2012	22:01	LB60659
	Thallium	9.2	+/-20.0	J	2.4	20.0	P	05/14/2012	22:01	LB60659
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/14/2012	22:01	LB60659
CCB12	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/14/2012	23:00	LB60659
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/14/2012	23:00	LB60659
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/14/2012	23:00	LB60659
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/14/2012	23:00	LB60659
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/14/2012	23:00	LB60659
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/14/2012	23:00	LB60659
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/14/2012	23:00	LB60659
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/14/2012	23:00	LB60659
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/14/2012	23:00	LB60659
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/14/2012	23:00	LB60659
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	05/14/2012	23:00	LB60659
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/14/2012	23:00	LB60659
CCB13	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/14/2012	23:46	LB60659
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/14/2012	23:46	LB60659
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/14/2012	23:46	LB60659
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/14/2012	23:46	LB60659
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/14/2012	23:46	LB60659
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/14/2012	23:46	LB60659
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/14/2012	23:46	LB60659
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/14/2012	23:46	LB60659
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/14/2012	23:46	LB60659

CHEMTECH

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB13	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/14/2012	23:46	LB60659
	Thallium	3.6	+/-20.0	J	2.4	20.0	P	05/14/2012	23:46	LB60659
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/14/2012	23:46	LB60659
ICB01	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	05/15/2012	13:18	LB60687
CCB01	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	05/15/2012	13:22	LB60687
CCB02	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	05/15/2012	13:45	LB60687
CCB03	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	05/15/2012	14:08	LB60687
CCB04	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	05/15/2012	14:31	LB60687
CCB05	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	05/15/2012	14:54	LB60687
CCB06	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	05/15/2012	15:16	LB60687
CCB07	Mercury	0.092	+/-0.200	U	0.092	0.200	CV	05/15/2012	15:26	LB60687
ICB01	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/15/2012	15:43	LB60693
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/15/2012	15:43	LB60693
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/15/2012	15:43	LB60693
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/15/2012	15:43	LB60693
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/15/2012	15:43	LB60693
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/15/2012	15:43	LB60693
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/15/2012	15:43	LB60693
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/15/2012	15:43	LB60693
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/15/2012	15:43	LB60693
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/15/2012	15:43	LB60693
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	05/15/2012	15:43	LB60693
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/15/2012	15:43	LB60693
CCB01	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/15/2012	16:09	LB60693
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/15/2012	16:09	LB60693
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/15/2012	16:09	LB60693
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/15/2012	16:09	LB60693
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/15/2012	16:09	LB60693
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/15/2012	16:09	LB60693
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/15/2012	16:09	LB60693
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/15/2012	16:09	LB60693
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/15/2012	16:09	LB60693
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/15/2012	16:09	LB60693
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	05/15/2012	16:09	LB60693
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/15/2012	16:09	LB60693
CCB02	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/15/2012	17:00	LB60693
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/15/2012	17:00	LB60693
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/15/2012	17:00	LB60693
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/15/2012	17:00	LB60693
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/15/2012	17:00	LB60693
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/15/2012	17:00	LB60693

CHEMTECH

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/15/2012	17:00	LB60693
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/15/2012	17:00	LB60693
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/15/2012	17:00	LB60693
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/15/2012	17:00	LB60693
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	05/15/2012	17:00	LB60693
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/15/2012	17:00	LB60693
CCB03	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/15/2012	17:51	LB60693
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/15/2012	17:51	LB60693
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/15/2012	17:51	LB60693
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/15/2012	17:51	LB60693
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/15/2012	17:51	LB60693
	Copper	7.2	+/-10.0	J	2.0	10.0	P	05/15/2012	17:51	LB60693
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/15/2012	17:51	LB60693
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/15/2012	17:51	LB60693
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/15/2012	17:51	LB60693
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/15/2012	17:51	LB60693
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	05/15/2012	17:51	LB60693
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/15/2012	17:51	LB60693
CCB04	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/15/2012	18:42	LB60693
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/15/2012	18:42	LB60693
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/15/2012	18:42	LB60693
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/15/2012	18:42	LB60693
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/15/2012	18:42	LB60693
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/15/2012	18:42	LB60693
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/15/2012	18:42	LB60693
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/15/2012	18:42	LB60693
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/15/2012	18:42	LB60693
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/15/2012	18:42	LB60693
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	05/15/2012	18:42	LB60693
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/15/2012	18:42	LB60693
CCB05	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/15/2012	19:33	LB60693
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/15/2012	19:33	LB60693
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/15/2012	19:33	LB60693
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/15/2012	19:33	LB60693
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/15/2012	19:33	LB60693
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/15/2012	19:33	LB60693
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/15/2012	19:33	LB60693
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/15/2012	19:33	LB60693
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/15/2012	19:33	LB60693
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/15/2012	19:33	LB60693
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	05/15/2012	19:33	LB60693
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/15/2012	19:33	LB60693

CHEMTECH

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	MDL	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/15/2012	20:24	LB60693
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/15/2012	20:24	LB60693
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/15/2012	20:24	LB60693
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/15/2012	20:24	LB60693
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/15/2012	20:24	LB60693
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/15/2012	20:24	LB60693
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/15/2012	20:24	LB60693
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/15/2012	20:24	LB60693
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/15/2012	20:24	LB60693
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/15/2012	20:24	LB60693
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	05/15/2012	20:24	LB60693
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/15/2012	20:24	LB60693
CCB07	Antimony	8.0	+/-25.0	U	8.0	25.0	P	05/15/2012	21:15	LB60693
	Arsenic	4.2	+/-10.0	U	4.2	10.0	P	05/15/2012	21:15	LB60693
	Beryllium	0.7	+/-3.0	U	0.7	3.0	P	05/15/2012	21:15	LB60693
	Cadmium	0.5	+/-3.0	U	0.5	3.0	P	05/15/2012	21:15	LB60693
	Chromium	1.1	+/-5.0	U	1.1	5.0	P	05/15/2012	21:15	LB60693
	Copper	2.0	+/-10.0	U	2.0	10.0	P	05/15/2012	21:15	LB60693
	Lead	2.6	+/-6.0	U	2.6	6.0	P	05/15/2012	21:15	LB60693
	Nickel	4.2	+/-20.0	U	4.2	20.0	P	05/15/2012	21:15	LB60693
	Selenium	4.8	+/-10.0	U	4.8	10.0	P	05/15/2012	21:15	LB60693
	Silver	1.5	+/-5.0	U	1.5	5.0	P	05/15/2012	21:15	LB60693
	Thallium	2.4	+/-20.0	U	2.4	20.0	P	05/15/2012	21:15	LB60693
	Zinc	6.5	+/-20.0	U	6.5	20.0	P	05/15/2012	21:15	LB60693

CHEMTECH

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PREPARATION BLANK SUMMARY

Client: Dvirka & Bartilucci **SDG No.:** D2546

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	MDL mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB62984BL		SOIL		Batch Number:		PB62984		Prep Date:	05/09/2012	
	Antimony	0.560	<2.500	U	0.560	2.500	P	05/14/2012	20:06	LB60659
	Arsenic	0.330	<1.000	U	0.330	1.000	P	05/14/2012	20:06	LB60659
	Beryllium	0.060	<0.300	U	0.060	0.300	P	05/14/2012	20:06	LB60659
	Cadmium	0.060	<0.300	U	0.060	0.300	P	05/14/2012	20:06	LB60659
	Chromium	0.130	<0.500	U	0.130	0.500	P	05/14/2012	20:06	LB60659
	Copper	0.320	<1.000	U	0.320	1.000	P	05/14/2012	20:06	LB60659
	Lead	0.120	<0.600	U	0.120	0.600	P	05/14/2012	20:06	LB60659
	Nickel	0.460	<2.000	U	0.460	2.000	P	05/14/2012	20:06	LB60659
	Selenium	0.410	<1.000	U	0.410	1.000	P	05/14/2012	20:06	LB60659
	Silver	0.150	<0.500	U	0.150	0.500	P	05/14/2012	20:06	LB60659
	Thallium	0.270	<2.000	U	0.270	2.000	P	05/14/2012	20:06	LB60659
	Zinc	0.700	<2.000	U	0.700	2.000	P	05/14/2012	20:06	LB60659
PB63116BL		SOIL		Batch Number:		PB63116		Prep Date:	05/14/2012	
	Mercury	0.002	<0.010	U	0.002	0.010	CV	05/15/2012	13:30	LB60687

CHEMTECH

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MATRIX SPIKE SUMMARY

Client: Dvirka & Bartilucci **Level:** LOW **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Matrix: SOIL **Sample ID:** D2546-01 **Client ID:** B-1(9-2)S

Percent Solids for Sample: 79.4 **Spiked ID:** D2546-01S **Percent Solids for Spike Sample:** 79.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	47 - 131	35.9834		0.5877	U	83.96	42.9	N	P
Arsenic	mg/Kg	73 - 114	72.0372		4.9829		83.96	79.9		P
Beryllium	mg/Kg	79 - 112	16.3560		0.4764		20.99	75.7	N	P
Cadmium	mg/Kg	73 - 114	21.7853		1.0319		20.99	98.9		P
Chromium	mg/Kg	68 - 122	46.7454		10.2360		41.98	87.0		P
Copper	mg/Kg	59 - 132	33.2872		8.0970		31.49	80.0		P
Lead	mg/Kg	66 - 125	110.6633		10.4778		104.95	95.5		P
Nickel	mg/Kg	64 - 129	66.9721		15.3561		52.48	98.4		P
Selenium	mg/Kg	69 - 105	141.5932		0.4303	U	209.91	67.5	N	P
Silver	mg/Kg	54 - 131	5.1270		0.1574	U	7.87	65.1		P
Thallium	mg/Kg	74 - 116	192.8002		0.2834	U	209.91	91.8		P
Zinc	mg/Kg	67 - 127	58.7038		36.2639		20.99	106.9		P

CHEMTECH

Metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

Client: Dvirka & Bartilucci **Level:** LOW **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Matrix: SOIL **Sample ID:** D2546-01 **Client ID:** B-1(9-2)SD

Percent Solids for Sample: 79.4 **Spiked ID:** D2546-01SD **Percent Solids for Spike Sample:** 79.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	47 - 131	40.1582		0.6354	U	90.77	44.2	N	P
Arsenic	mg/Kg	73 - 114	76.6946		4.9829		90.77	79.0		P
Beryllium	mg/Kg	79 - 112	17.2465		0.4764		22.69	73.9	N	P
Cadmium	mg/Kg	73 - 114	23.2771		1.0319		22.69	98.0		P
Chromium	mg/Kg	68 - 122	48.8109		10.2360		45.39	85.0		P
Copper	mg/Kg	59 - 132	34.7267		8.0970		34.04	78.2		P
Lead	mg/Kg	66 - 125	117.5710		10.4778		113.46	94.4		P
Nickel	mg/Kg	64 - 129	71.0282		15.3561		56.73	98.1		P
Selenium	mg/Kg	69 - 105	152.3929		0.4652	U	226.93	67.2	N	P
Silver	mg/Kg	54 - 131	5.5631		0.1702	U	8.51	65.4		P
Thallium	mg/Kg	74 - 116	208.2397		0.3064	U	226.93	91.8		P
Zinc	mg/Kg	67 - 127	67.0910		36.2639		22.69	135.9	N	P

CHEMTECH

Metals
- 5a -
MATRIX SPIKE SUMMARY

Client: Dvirka & Bartilucci **Level:** LOW **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Matrix: SOIL **Sample ID:** D2466-16 **Client ID:** TS-1-40-46S

Percent Solids for Sample: 70.6 **Spiked ID:** D2466-16S **Percent Solids for Spike Sample:** 70.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	34 - 153	0.3119		0.0136	J	0.28	106.5		CV

CHEMTECH

Metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

Client: Dvirka & Bartilucci **Level:** LOW **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Matrix: SOIL **Sample ID:** D2466-16 **Client ID:** TS-1-40-46SD

Percent Solids for Sample: 70.6 **Spiked ID:** D2466-16SD **Percent Solids for Spike Sample:** 70.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	34 - 153	0.3121		0.0136	J	0.28	106.6		CV

CHEMTECH

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Matrix: WATER **Level:** LOW **Client ID:** B-1(9-2)A

Sample ID: D2546-01 **Spiked ID:** D2546-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	ug/L	47 - 131	607.20		8.00	U	800.0	75.9		P
Beryllium	ug/L	79 - 112	145.44		4.69		200.0	70.4		P
Selenium	ug/L	69 - 105	1266.30		4.80	U	2000.0	63.3		P
Zinc	ug/L	67 - 127	499.74		36.3		200	249.9		P

CHEMTECH

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Dvirka & Bartilucci **Level:** LOW **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Matrix: SOIL **Sample ID:** D2546-01 **Client ID:** B-1(9-2)D

Percent Solids for Sample: 79.4 **Duplicate ID** D2546-01D **Percent Solids for Spike Sample:** 79.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	mg/Kg	20	0.5927	U	0.5927	U			P
Arsenic	mg/Kg	20	4.9829		4.7499		4.8		P
Beryllium	mg/Kg	20	0.4764		0.4995		4.7		P
Cadmium	mg/Kg	20	1.0319		1.2690		20.6	*	P
Chromium	mg/Kg	20	10.2360		12.1351		17.0		P
Copper	mg/Kg	20	8.0970		8.9410		9.9		P
Lead	mg/Kg	20	10.4778		12.0896		14.3		P
Nickel	mg/Kg	20	15.3561		17.6471		13.9		P
Selenium	mg/Kg	20	0.4339	U	0.4339	U			P
Silver	mg/Kg	20	0.1588	U	0.1588	U			P
Thallium	mg/Kg	20	0.2858	U	0.2858	U			P
Zinc	mg/Kg	20	36.2639		41.8178		14.2		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

CHEMTECH

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Dvirka & Bartilucci **Level:** LOW **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Matrix: SOIL **Sample ID:** D2546-01 **Client ID:** B-1(9-2)SD

Percent Solids for Sample: 79.4 **Duplicate ID** D2546-01SD **Percent Solids for Spike Sample:** 79.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Antimony	mg/Kg	20	35.9834		40.1582		11.0		P
Arsenic	mg/Kg	20	72.0372		76.6946		6.3		P
Beryllium	mg/Kg	20	16.3560		17.2465		5.3		P
Cadmium	mg/Kg	20	21.7853		23.2771		6.6		P
Chromium	mg/Kg	20	46.7454		48.8109		4.3		P
Copper	mg/Kg	20	33.2872		34.7267		4.2		P
Lead	mg/Kg	20	110.6633		117.5710		6.1		P
Nickel	mg/Kg	20	66.9721		71.0282		5.9		P
Selenium	mg/Kg	20	141.5932		152.3929		7.3		P
Silver	mg/Kg	20	5.1270		5.5631		8.2		P
Thallium	mg/Kg	20	192.8002		208.2397		7.7		P
Zinc	mg/Kg	20	58.7038		67.0910		13.3		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

CHEMTECH

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Dvirka & Bartilucci **Level:** LOW **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Matrix: SOIL **Sample ID:** D2466-16 **Client ID:** TS-1-40-46D

Percent Solids for Sample: 70.6 **Duplicate ID** D2466-16D **Percent Solids for Spike Sample:** 70.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.0136	J	0.0146		7.1		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

CHEMTECH

Metals
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LABORATORY CONTROL SAMPLE SUMMARY

Client: Dvirka & Bartilucci **SDG No.:** D2546

Contract: DVIR01 **Lab Code:** CHEM **Case No.:** D2546 **SAS No.:** D2546

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB63116BS							
Mercury	mg/Kg	0.200	0.200		100.0	73 - 121	CV

CHEMTECH

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TS-1-40-46L

Lab Name: Chemtech Consulting Group **Contract:** DVIR01

Lab Code: CHEM **Case No.:** D2546 **SAS No.:** D2546 **SDG No.:** D2546

Matrix (soil/water): WATER **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.19	J	0.46	U	100.0		CV

CHEMTECH

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

B-1(9-2)L

Lab Name: Chemtech Consulting Group **Contract:** DVIR01

Lab Code: CHEM **Case No.:** D2546 **SAS No.:** D2546 **SDG No.:** D2546

Matrix (soil/water): WATER **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Antimony	8.00	U	40.00	U			P
Arsenic	49.06		50.30		2.5		P
Beryllium	4.69		5.80	J	23.7		P
Cadmium	10.16		2.50	U	100.0		P
Chromium	100.78		118.65		17.7		P
Copper	79.72		100.00		25.4		P
Lead	103.16		102.30		0.8		P
Nickel	151.19		165.60		9.5		P
Selenium	4.80	U	24.00	U			P
Silver	1.50	U	7.50	U			P
Thallium	2.40	U	12.00	U			P
Zinc	357.04		466.50		30.7		P

ATTACHMENT 6

DATA VALIDATION SHEETS

DVIRKA AND BARTILUCCI CONSULTING ENGINEERS
A DIVISION OF D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	IBM East Fishkill
Project Number:	3155-03
Sample Date(s):	April 30 and May 1, 2012
Sample Team:	PB
Matrix/Number of Samples:	Soil/ 17 Trip Blanks / 0 Field Blanks/ 0
Analyzing Laboratory:	Chemtech, Mountainside, New Jersey
Analyses:	Volatile Organic Compounds (VOCs): by SW846 8260C Metals: by SW846 Method 6010B, mercury by Method 7471A
Laboratory Report No:	D2546 Date: 06/01/2012

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:
The data packages have been reviewed in accordance with the NYSDEC 6/05 ASP Quality Assurance/ Quality Control (QA/QC) requirements. A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of June 2008, or USEPA National Functional Guidelines of Inorganic Data Review, January 2010, method performance criteria, and Dvirka and Bartilucci Consulting Engineers, a Division of D&B Engineers and Architects, P.C. professional judgment.

DVIRKA AND BARTILUCCI CONSULTING ENGINEERS
A DIVISION OF D&B ENGINEERS AND ARCHITECTS, P.C.

Custody Numbers:D2546
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Sample Collection Date	Analysis		
			VOC	SVOC	MET
B-1 (9-2)	D2546-01	4/30/12	X		X
B-1 (2-3.5)	D2546-02	4/30/12	X		X
B-1 (4-5.5)	D2546-03	4/30/12	X		X
B-1 (6-7.5)	D2546-04	4/30/12	X		X
B-2 (8-2)	D2546-05	4/30/12	X		X
B-2 (2-3.5)	D2546-06	4/30/12	X		X
B-2 (4-5)	D2546-07	4/30/12	X		X
B-2 (6-8)	D2546-08	4/30/12	X		X
B-4 (9-2)	D2546-09	4/30/12	X		X
B-4 (2-3)	D2546-10	4/30/12	X		X
B-3 (9-2)	D2546-11	4/30/12	X		X
B-3 (2-3.5)	D2546-12	4/30/12	X		X
B-3 (6-7)	D2546-13	4/30/12	X		X
B-5 (13-2)	D2546-14	5/1/12	X		X
B-5 (6-7)	D2546-15	5/1/12	X		X
B-6 (10-2)	D2546-16	5/1/12	X		X
B-6 (2-3)	D2546-17	5/1/12	X		X

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks					X
C. Field blanks					X
3. Matrix spike (MS) %R		X	X		
4. Matrix spike duplicate (MSD) %R		X	X		
5. MS/MSD precision (RPD)		X		X	
6. Blank spike %R		X	X		
7. Surrogate spike recoveries		X	X		
8. Instrument performance check		X		X	
9. Internal standard retention times and areas		X	X		
10. Initial calibration RRF's and %RSD's		X		X	
11. Continuing calibration RRF's and %D's		X	X		
12. Transcriptions – quant report vs. Form I		X		X	

VOCs - volatile organic compounds
%D - percent difference
RRF - relative response factor
%R - percent recovery
%RSD - percent relative standard deviation
RPD - relative percent difference

Comments:
Performance was acceptable with the following exceptions:

3-4. The %Rs were above the QC limits for vinyl chloride, bromomethane and chloroethane in the MS and MSD. The compounds were not detected in the associated samples; therefore, qualification of the data was not necessary.

6. The blank spike %Rs for ten compounds were above the QC limits associated with the reanalysis for sample B-5(6-7). The blank spike %Rs were below QC limits for vinyl chloride and chloroethane associated with the reanalysis for sample B-2(2-3.5). The blank spike %Rs were below the QC limits for 1,2,3-trichlorobenzene, 1,2-dibromom-3-chloropropane, and 2-hexanone and above the QC limits for tetrachloroethene associated with the reanalysis for sample B-2(6-8). The following compounds were qualified as estimated (UJ): 1,2,3-trichlorobenzene, 1,2-dibromom-3-chloropropane, and 2-hexanone in the reanalysis for sample B-2(6-8) and vinyl chloride and chloroethane in the reanalysis for sample B-2(2-3.5).

7&9. The surrogate spike, 1,2-dichloroethane-d4 had the %Rs above the QC limits in the original analysis for samples:B-1(9-2), B-1(2-3.5), B-1(4-5.5), B-1(6-7.5), B-2(8-2) and B-2(2-3.5) and in the reanalysis for samples: B-1(9-2), B-1(2-3.5), B-1(4-5.5), B-1(6-7.5), B-2(8-2), B-2(4-5), B-2(6-8), B-4(9-2), B-4(2-3), B-3(9-2), B-3(2-3.5), B-3(6-7), B-5(13-2), B-6(10-2) and B-6(2-3). The surrogate spike, bromofluoromethane had the %R below the QC limits in the reanalysis for sample B-5(13-2).

In addition, the internal standard area for 1,4-dichlorobenzene-d4 was below the QC limit in the original analysis for samples: B-1(9-2), B-2(8-2) and B-2(6-8) and in the reanalysis for samples: B-1(9-2), B-1(6-7.5), B-2(8-2), B-3(9-2) and B-3(2-3.5). All internal standards areas

were below QC limits the original analysis for sample B-2(2-3.5) and the internal standard area for pentafluorobenzene and 1,4-difluorobenzene were below QC limits the original analysis for sample B-5(6-7).

Based on the surrogate %R and internal standard area the following original sample results were reported: B-1(9-2), B-1(2-3.5), B-1(4-5.5), B-1(6-7.5), B-2(8-2), B-2(4-5), B-4(9-2), B-4(2-3), B-3(9-2), B-3(2-3.5), B-3(6-7), B-5(13-2), B-6(10-2) and B-6(2-3).

Based on the surrogate %R and internal standard area the following the reanalysis samples results were reported: B-2(2-3.5), B-2(6-8) and B-5(6-7).

Acetone was qualified as estimated (J) in the original sample for B-1(9-2), B-1(6-7.5) and B-2(8-2) due to surrogate %Rs. 1,2,3-Trichlorobenzne, 1,2,4-trichlorobenzene, 1,2-dibromom-3-chloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene and 1,4-dichlorobenzene were qualified as not usable(R) based on the internal standard areas in the original sample for B-1(9-2) and B-2(8-2).

11. The continuing calibration %Ds for 1,2,3-trichlorobenzene, 1,2,4-trichlotobenzene, bromoform, bromochloromethane, dibromochloromethane and vinyl chloride were above QC limits and qualified as estimated (UJ) in the original samples for B-2(4-5), B-4(9-2), B-4(2-3), B-3(9-2), B-3(2-3.5), B-3(6-7), B-5(13-2), B-6(10-2) and B-6(2-3).

The continuing calibration %Ds for bromoform, 1,2,3-trichlorobenzene and vinyl chloride were above QC limits and qualified as estimated (UJ) in the reanalysis sample for B-2(2-3.5).

The continuing calibration %Ds for 1,2,3-trichlorobenzene, 1,1,2,2-tetrachloroethane, 1,4-dioxane, bromoform, bromomethane, tetrachloroethene and trans-1,3-dichloropropene were above QC limits and qualified as estimated (UJ) in the reanalysis sample for B-2(6-8).

INORGANIC ANALYSES
METALS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Preparation and calibration blanks		X		X	
B. Field blanks					X
3. Initial calibration verification %R		X		X	
4. Continuing calibration verification %R		X		X	
5. CRDL standard %R		X		X	
6. Interference check sample %R		X		X	
7. Laboratory control sample %R		X		X	
8. Spike sample %R		X	X		
9. Post digestive spike sample %R		X	X		
10. Duplicate %RPD		X	X		
11. Serial dilution check %D		X	X		

%R - percent recovery %D - percent difference RPD - relative percent difference

Comments:
Performance was acceptable, with the following exceptions:

8&9. The %R was below the QC limits in the matrix spike and matrix spike duplicate for antimony, beryllium and selenium and the post digestive spike for beryllium and selenium associated with all samples. The %R was above the QC limits in the matrix spike duplicate and post digestion spike for zinc associated with all samples. Beryllium and selenium were qualified as estimated low (J-/UJ); antimony was qualified as estimated (J/UJ); and zinc was qualified as estimated high (J+) in all samples.

10. The %RPD was above the QC limits in the duplicate for cadmium associated with all samples. It was qualified as estimated (J) in all samples.

11. The %D was above the QC limits of 10% in the serial dilution for chromium and zinc associated with all samples. Chromium was qualified as estimated (J/UJ) in all samples.

DATA VALIDATION AND QUALIFICATION SUMMARY

Laboratory Numbers:D2546

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
B-2(6-8)	1,2,3-Trichlorobenzene, 1,2-dibromom-3-chloropropane, and 2-hexanone	UJ	The blank spike %Rs were below QC limits
B-2(2-3.5)	Vinyl chloride and chloroethane	UJ	The blank spike %Rs were below QC limits
B-1(9-2), B-1(2-3.5), B-1(4-5.5), B-1(6-7.5), B-2(8-2), B-2(4-5), B-4(9-2), B-4(2-3), B-3(9-2), B-3(2-3.5), B-3(6-7), B-5(13-2), B-6(10-2) and B-6(2-3)	All VOCs		The surrogate spike had the %Rs above the QC limits and/or internal standard areas were below QC limits and the original sample results were reported
B-2(2-3.5), B-2(6-8) and B-5(6-7)	All VOCs		The surrogate spike had the %Rs above the QC limits and/or internal standard areas were below QC limits and the reanalysis samples results were reported
B-1(9-2), B-1(6-7.5) and B-2(8-2)	Acetone	J	Due to surrogate %Rs.
B-1(9-2) and B-2(8-2)	1,2,3-Trichlorobenzne, 1,2,4-trichlorobenzene, 1,2-dibromom-3-chloropropane, 1,2-dichlorobenzene, 1,3-dichlorobenzene and 1,4-dichlorobenzene	R	Based on the internal standard areas
B-2(2-3.5)	Bromoform, 1,2,3-trichlorobenzene and vinyl chloride	UJ	The continuing calibration %Ds were above QC limits
B-2(6-8)	1,2,3-Trichlorobenzene, 1,1,2,2-tetrachloroethane, 1,4-dioxane, bromoform, bromomethane, tetrachloroethene and trans-1,3-dichloropropene	UJ	The continuing calibration %Ds were above QC limits

Sample ID	Analyte(s)	Qualifier	Reason(s)
Metals			
All samples	Antimony	J/UJ	The %R was below the QC limits in the matrix spike and matrix spike duplicate
All samples	Beryllium and selenium	J-/UJ	The %R was below the QC limits in the matrix spike and matrix spike duplicate and the post digestive spike
All samples	Zinc	J+	The %R was above the QC limits in the matrix spike duplicate and post digestion spike
All samples	Cadmium	J	%RPD was above the QC limits in the duplicate
All samples	Chromium	J/UJ	%D was above the QC limits of 10% in the serial dilution

VALIDATION PERFORMED , BY & DATE:	Donna M. , Brown 6/5/2012
VALIDATION PERFORMED , BY SIGNATURE: