



A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

December 30, 2008

CDM  
Raritan Plaza I  
Raritan Center  
Edison NJ 08818-3142  
Attn: Ms. Cristina Ramacciotti


RE: Client Project: Villa  
Lab Work Order #: G2261

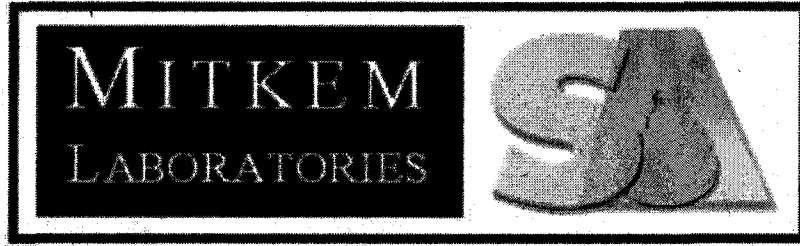
Dear Ms. Ramacciotti:

Enclosed please find the data report of the required analyses for the samples associated with the above referenced project. If you have any questions regarding this report, please call me.

We appreciate your business.

Sincerely,

  
Shirley Ng  
Project Manager



**\* Data Summary Pack \***

# Mitkem Laboratories

## New York State Department of Environmental Conservation Sample Identification and Analytical Requirements Summary

Project Name : Villa project groundwater

SDG : G2261

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				Other
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	
MW-8S	G2261-01	OLC3.2_VOA				SEE DATA
MW-9S	G2261-02	OLC3.2_VOA				SEE DATA
MW-7S	G2261-03	OLC3.2_VOA				SEE DATA
MW-5S	G2261-04	OLC3.2_VOA				SEE DATA
MW-4S	G2261-05	OLC3.2_VOA				SEE DATA
MW-6S	G2261-06	OLC3.2_VOA				SEE DATA
FB120408	G2261-07	OLC3.2_VOA				SEE DATA
TRIP BLANK	G2261-08	OLC3.2_VOA				

# Mitkem Laboratories

## New York State Department of Environmental Conservation Sample Preparation and Analysis Summary MSVOA

Project Name : Villa project groundwater

SDG : G2261

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
OLC3.2_VOA					
G2261-01D	AQ	12/3/2008	12/4/2008	NA	12/12/2008
G2261-02D	AQ	12/3/2008	12/4/2008	NA	12/11/2008
G2261-03D	AQ	12/3/2008	12/4/2008	NA	12/11/2008
G2261-04D	AQ	12/3/2008	12/4/2008	NA	12/11/2008
G2261-05D	AQ	12/3/2008	12/4/2008	NA	12/11/2008
G2261-06D	AQ	12/4/2008	12/4/2008	NA	12/11/2008
G2261-07A	AQ	12/4/2008	12/4/2008	NA	12/11/2008
G2261-08A	AQ	12/4/2008	12/4/2008	NA	12/11/2008

# Mitkem Laboratories

## New York State Department of Environmental Conservation Sample Preparation and Analysis Summary MSVOA

Project Name : Villa project groundwater

SDG : G2261

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
OLC3.2_VOA					
G2261-01D	AQ	OLC3.2_VOA	NA	LOW	1
G2261-02D	AQ	OLC3.2_VOA	NA	LOW	1
G2261-03D	AQ	OLC3.2_VOA	NA	LOW	1
G2261-04D	AQ	OLC3.2_VOA	NA	LOW	1
G2261-05D	AQ	OLC3.2_VOA	NA	LOW	1
G2261-06D	AQ	OLC3.2_VOA	NA	LOW	1
G2261-07A	AQ	OLC3.2_VOA	NA	LOW	1
G2261-08A	AQ	OLC3.2_VOA	NA	LOW	1

Analytical Data Package for CDM

Client Project No.: Villa

Mitkem Work Order ID: G2261

December 30, 2008

Prepared For: CDM  
Raritan Plaza I  
Raritan Center  
Edison NJ 08818-3142  
Attn: Ms. Cristina Ramacciotti

Prepared By: Mitkem Laboratories  
175 Metro Center Boulevard  
Warwick, RI 02886  
(401) 732-3400

## SDG Narrative

Mitkem Laboratories submits the enclosed data package in response to CDM's Villa project. Under this deliverable, analysis results are presented for eight aqueous samples that were received on December 5, 2008. Analyses were performed per specification in project contract and discussion with client. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID.

The analyses were performed and reported per NYSDEC ASP (2000 update) requirement for Category B deliverable.

The following observation and/or deviations are observed for the following analyses:

### 1. Overall observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

### 2. OLC 3.2 Volatile Analysis:

Trap used for instrument V5: OI Analytical #10 trap containing 8 cm each of Tenax, silica gel and carbon molecular sieve.

GC column used: 30 m x 0.25 mm id (1.4 um film thickness) DB-624 capillary column.

Samples were preserved with hydrochloric acid with pH<2.

Surrogate recovery: recoveries were within the QC limits with the exception of 2-hexanone-d5 in sample MW-9S, MW-7S, MW-5S, MW-4S, MW-6S, FB120408, Trip Blank and MW-8S. No more than 1 DMC was outside the QC limits in any field sample. This method allows up to three DMC outside the limits.

Lab control sample: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

### 3. RSK 175 Analysis:

Lab control sample/ lab control sample duplicate: spike recoveries were within the QC limits.

Sample analysis: no unusual observation was made for the analysis.

### 4. Wet Chemistry analysis:

Lab control sample: spike recoveries were within the QC limits.

Duplicate analysis: duplicate was performed on sample MW-6S for total organic carbon analysis. Percent RPDs were within the QC limits.

Matrix spike analysis: matrix spike was performed on sample MW-6S. Spike recovery was outside the QC limits indicating possible matrix interference. Matrix spike duplicate could not be performed due to insufficient sample volume.

Sample analysis: no other unusual observation was made for the analysis.


Sulfate, Chloride, Nitrite and Nitrate by method EPA 300 was subcontracted to Spectrum Analytical, Inc. located in Agawam, MA. The entire Spectrum report is submitted after Mitkem's report.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data



package has been authorized by the laboratory manager or his designee, as verified by the following signature.

  
Shirley Ng  
Project Manager  
12/30/08

**Mitkem Laboratories**

Date: 10-Dec-08

Client: CDM

Client Sample ID: MW-8S

Lab ID: G2261-01

Project: Villa project groundwater

Collection Date: 12/03/08 12:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>RSK175 -- Dissolved Gases by GC-FID</b>							<b>RSK175</b>
Methane	ND		0.60	µg/L	1	12/09/2008 10:52	40636
Ethane	ND		1.2	µg/L	1	12/09/2008 10:52	40636
Ethene	ND		1.5	µg/L	1	12/09/2008 10:52	40636

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
RL - Reporting Limit

**Mitkem Laboratories**

Date: 10-Dec-08

Client: CDM  
Client Sample ID: MW-9S  
Lab ID: G2261-02

Project: Villa project groundwater  
Collection Date: 12/03/08 10:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>RSK175 -- Dissolved Gases by GC-FID</b>							<b>RSK175</b>
Methane	ND		0.60	µg/L	1	12/09/2008 11:02	40636
Ethane	ND		1.2	µg/L	1	12/09/2008 11:02	40636
Ethene	ND		1.5	µg/L	1	12/09/2008 11:02	40636

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
RL - Reporting Limit

**Mitkem Laboratories**

Date: 10-Dec-08

**Client:** CDM  
**Client Sample ID:** MW-7S  
**Lab ID:** G2261-03**Project:** Villa project groundwater  
**Collection Date:** 12/03/08 10:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>RSK175 -- Dissolved Gases by GC-FID</b>							<b>RSK175</b>
Methane	ND		0.58	µg/L	1	12/09/2008 11:16	40636
Ethane	ND		1.2	µg/L	1	12/09/2008 11:16	40636
Ethene	ND		1.5	µg/L	1	12/09/2008 11:16	40636

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
RL - Reporting Limit

# Mitkem Laboratories

Date: 10-Dec-08

Client: CDM  
Client Sample ID: MW-5S  
Lab ID: G2261-04

Project: Villa project groundwater  
Collection Date: 12/03/08 13:27

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>RSK175 -- Dissolved Gases by GC-FID</b>							<b>RSK175</b>
Methane	0.76		0.58	µg/L	1	12/09/2008 11:22	40636
Ethane	ND		1.2	µg/L	1	12/09/2008 11:22	40636
Ethene	ND		1.5	µg/L	1	12/09/2008 11:22	40636

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
RL - Reporting Limit

**Mitkem Laboratories**

Date: 10-Dec-08

**Client:** CDM  
**Client Sample ID:** MW-4S  
**Lab ID:** G2261-05**Project:** Villa project groundwater  
**Collection Date:** 12/03/08 15:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>RSK175 -- Dissolved Gases by GC-FID</b>							<b>RSK175</b>
Methane	ND		0.60	µg/L	1	12/09/2008 11:42	40636
Ethane	ND		1.2	µg/L	1	12/09/2008 11:42	40636
Ethene	ND		1.5	µg/L	1	12/09/2008 11:42	40636

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
RL - Reporting Limit

**Mitkem Laboratories**

Date: 10-Dec-08

**Client:** CDM  
**Client Sample ID:** MW-6S  
**Lab ID:** G2261-06**Project:** Villa project groundwater  
**Collection Date:** 12/04/08 09:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>RSK175 -- Dissolved Gases by GC-FID</b>							<b>RSK175</b>
Methane	ND		0.60	µg/L	1	12/09/2008 11:48	40636
Ethane	ND		1.2	µg/L	1	12/09/2008 11:48	40636
Ethene	ND		1.5	µg/L	1	12/09/2008 11:48	40636

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
RL - Reporting Limit

**Mitkem Laboratories**

Date: 10-Dec-08

**Client:** CDM  
**Client Sample ID:** FB120408  
**Lab ID:** G2261-07**Project:** Villa project groundwater  
**Collection Date:** 12/04/08 08:45

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>RSK175 -- Dissolved Gases by GC-FID</b>							<b>RSK175</b>
Methane	ND		0.60	µg/L	1	12/09/2008 11:57	40636
Ethane	ND		1.2	µg/L	1	12/09/2008 11:57	40636
Ethene	ND		1.5	µg/L	1	12/09/2008 11:57	40636

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
RL - Reporting Limit



**ANALYTICAL QC SUMMARY REPORT**

CLIENT: CDM

Work Order: G2261

Project: Villa project groundwater

RSK175

RSK175 -- Dissolved Gases by GC-FID

Sample ID: MB-40636	SampType: MBLK	TestCode: RSK175	Prep Date: 12/09/2008	Run ID: V7_081209A			
Client ID: MB-40636	Batch ID: 40636	Units: µg/L	Analysis Date: 12/09/2008	SeqNo: 946573			
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit	Qual

Methane	ND	0.60					
Ethane	ND	1.2					
Ethene	ND	1.5					

Sample ID: LCS-40636	SampType: LCS	TestCode: RSK175	Prep Date: 12/09/2008	Run ID: V7_081209A			
Client ID: LCS-40636	Batch ID: 40636	Units: µg/L	Analysis Date: 12/09/2008	SeqNo: 946574			
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit	Qual

Methane	42.02	0.60	0	93.4	75	125	0
Ethane	86.90	1.2	0	102	75	125	0
Ethene	81.89	1.5	0	104	75	125	0

Sample ID: LCSD-40636	SampType: LCSD	TestCode: RSK175	Prep Date: 12/09/2008	Run ID: V7_081209A			
Client ID: LCSD-40636	Batch ID: 40636	Units: µg/L	Analysis Date: 12/09/2008	SeqNo: 946575			
Analyte	Result	PQL	SPK Ref Val	%REC LowLimit HighLimit	RPD Ref Val	%RPD RPDLimit	Qual

Methane	50.40	0.60	0	112	75	125	42.02	18.1	25
Ethane	100.1	1.2	0	118	75	125	86.90	14.1	25
Ethene	95.72	1.5	0	121	75	125	81.89	15.6	25

0012

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank

Mitkem Laboratories

Date: 15-Dec-08

Client: CDM  
Client Sample ID: MW-8S  
Lab ID: G2261-01

Project: Villa project groundwater  
Collection Date: 12/03/08 12:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SM 2320 -- ALKALINITY (Total)</b>							<b>SM2320_W</b>
Alkalinity, Total (As CaCO3)	34		20	mg/L CaCO3		1 12/10/2008 11:36	40692
<b>SM 5310B TOC -- TOTAL ORGANIC CARBON by Combustion</b>							<b>SM5310B_TOC_W</b>
Organic Carbon, Total	ND		10	mg/L		1 12/11/2008 8:22	40735

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
RL - Reporting Limit

Mitekem Laboratories

Date: 15-Dec-08

Client: CDM  
Client Sample ID: MW-9S  
Lab ID: G2261-02

Project: Villa project groundwater  
Collection Date: 12/03/08 10:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SM 2320 -- ALKALINITY (Total)</b>							<b>SM2320_W</b>
Alkalinity, Total (As CaCO3)	20		20	mg/L CaCO3	1	12/10/2008 11:40	40692
<b>SM 5310B TOC -- TOTAL ORGANIC CARBON by Combustion</b>							<b>SM5310B_TOC_W</b>
Organic Carbon, Total	ND		10	mg/L	1	12/11/2008 8:43	40735

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
RL - Reporting Limit

**Mitekem Laboratories**

Date: 15-Dec-08

Client: CDM

Client Sample ID: MW-7S

Lab ID: G2261-03

Project: Villa project groundwater

Collection Date: 12/03/08 10:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SM 2320 -- ALKALINITY (Total)</b>							<b>SM2320_W</b>
Alkalinity, Total (As CaCO3)	21		20	mg/L CaCO3	1	12/10/2008 11:43	40692
<b>SM 5310B TOC -- TOTAL ORGANIC CARBON by Combustion</b>							<b>SM5310B_TOC_W</b>
Organic Carbon, Total	ND		10	mg/L	1	12/11/2008 9:03	40735

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
RL - Reporting Limit

Mitkem Laboratories

Date: 15-Dec-08

Client: CDM  
Client Sample ID: MW-5S  
Lab ID: G2261-04

Project: Villa project groundwater  
Collection Date: 12/03/08 13:27

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SM 2320 -- ALKALINITY (Total)</b>							<b>SM2320_W</b>
Alkalinity, Total (As CaCO3)	21		20	mg/L CaCO3		1 12/10/2008 11:46	40692
<b>SM 5310B TOC -- TOTAL ORGANIC CARBON by Combustion</b>							<b>SM5310B_TOC_W</b>
Organic Carbon, Total	ND		10	mg/L		1 12/11/2008 10:11	40735

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
RL - Reporting Limit

Mitkem Laboratories

Date: 15-Dec-08

Client: CDM  
Client Sample ID: MW-4S  
Lab ID: G2261-05

Project: Villa project groundwater  
Collection Date: 12/03/08 15:00

Analyses	Result Qual	RL Units	DF Date Analyzed	Batch ID
<b>SM 2320 -- ALKALINITY (Total)</b>				<b>SM2320_W</b>
Alkalinity, Total (As CaCO3)	ND	20 mg/L CaCO3	1 12/10/2008 11:50	40692
<b>SM 5310B TOC -- TOTAL ORGANIC CARBON by Combustion</b>				<b>SM5310B_TOC_W</b>
Organic Carbon, Total	ND	10 mg/L	1 12/11/2008 10:32	40735

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
RL - Reporting Limit

Mitekem Laboratories

Date: 15-Dec-08

Client: CDM  
Client Sample ID: MW-6S  
Lab ID: G2261-06

Project: Villa project groundwater  
Collection Date: 12/04/08 9:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
<b>SM 2320 -- ALKALINITY (Total)</b>							<b>SM2320_W</b>
Alkalinity, Total (As CaCO3)	23		20	mg/L CaCO3		1 12/10/2008 11:53	40692
<b>SM 5310B TOC -- TOTAL ORGANIC CARBON by Combustion</b>							<b>SM5310B_TOC_W</b>
Organic Carbon, Total	ND		10	mg/L		1 12/11/2008 10:53	40735

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
RL - Reporting Limit

**ANALYTICAL QC SUMMARY REPORT**  
**SM2320\_W**  
**SM 2320 -- ALKALINITY (Total)**

CLIENT: CDM  
 Work Order: G2261  
 Project: Villa project groundwater

Sample ID: MB-40692	SampType: MBLK	TestCode: SM2320_W	Prep Date: 12/10/2008	Run ID: SPEC2_081210B
Client ID: MB-40692	Batch ID: 40692	Units: mg/L CaCO3	Analysis Date: 12/10/2008	SeqNo: 947585
Analyte	Result	PQL	SPK Ref Val	%REC
Alkalinity, Total (As CaCO3)	ND	20	0	101
			SPK value	LowLimit
			RPD Ref Val	HighLimit
				%RPD
				RPDLimit
				Qual

Sample ID: LCS-40692	SampType: LCS	TestCode: SM2320_W	Prep Date: 12/10/2008	Run ID: SPEC2_081210B
Client ID: LCS-40692	Batch ID: 40692	Units: mg/L CaCO3	Analysis Date: 12/10/2008	SeqNo: 947586
Analyte	Result	PQL	SPK Ref Val	%REC
Alkalinity, Total (As CaCO3)	84.00	20	0	101
			SPK value	LowLimit
			RPD Ref Val	HighLimit
				%RPD
				RPDLimit
				Qual

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 B - Analyte detected in the associated Method Blank



**ANALYTICAL QC SUMMARY REPORT**  
**SM5310B\_TOC\_W**  
**SM 5310B TOC -- TOTAL ORGANIC CARBON by Combustion**

CLIENT: CDM  
 Work Order: G2261  
 Project: Villa project groundwater

Sample ID: MB-40735    SampType: MBLK    TestCode: SM5310B\_TOC\_W    Prep Date: 12/11/2008    Run ID: TOC1\_081211A  
 Client ID: MB-40735    Batch ID: 40735    Units: mg/L    Analysis Date: 12/11/2008    SeqNo: 948866

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	ND	1.0									

Sample ID: LCS-40735    SampType: LCS    TestCode: SM5310B\_TOC\_W    Prep Date: 12/11/2008    Run ID: TOC1\_081211A  
 Client ID: LCS-40735    Batch ID: 40735    Units: mg/L    Analysis Date: 12/11/2008    SeqNo: 948857

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	67.48	1.0	79.10	0	85.3	80	120	0	0	0	20

Sample ID: G2261-06BDUP    SampType: DUP    TestCode: SM5310B\_TOC\_W    Prep Date: 12/11/2008    Run ID: TOC1\_081211A  
 Client ID: MW-6S    Batch ID: 40735    Units: mg/L    Analysis Date: 12/11/2008    SeqNo: 948866

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	ND	1.0	0	0	0	0	0	0	0	0	20

Sample ID: G2261-06BMS    SampType: MS    TestCode: SM5310B\_TOC\_W    Prep Date: 12/11/2008    Run ID: TOC1\_081211A  
 Client ID: MW-6S    Batch ID: 40735    Units: mg/L    Analysis Date: 12/11/2008    SeqNo: 948867

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Organic Carbon, Total	34.24	1.0	50.00	0	68.5	75	125	0	0	0	5

Qualifiers:    ND - Not Detected at the Reporting Limit    S - Spike Recovery outside accepted recovery limits    B - Analyte detected in the associated Method Blank  
 J - Analyte detected below quantitation limits    R - RPD outside accepted recovery limits



Sample Identification  
 MW-8S/G2261-01E  
 SA88359-01

Client Project #  
 G2261

Matrix  
 Ground Water

Collection Date/Time  
 03-Dec-08 12:00

Received  
 04-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
<b>General Chemistry Parameters</b>												
16887-00-6	Chloride	29.8		mg/l	1.00	0.249	1	EPA 300.0	04-Dec-08	05-Dec-08	8120438	X
14797-55-8	Nitrate as N	11.8	HT7	mg/l	0.500	0.178	5	"	05-Dec-08	06-Dec-08	8120585	X
									19:00	17:15		
14797-65-0	Nitrite as N	0.0900	J	mg/l	0.200	0.0246	1	"	04-Dec-08	05-Dec-08	8120438	
									16:00	03:15		
14808-79-8	Sulfate as SO4	26.7		mg/l	1.00	0.248	1	"	"	"	"	X

Sample Identification  
 MW-9S/G2661-02E  
 SA88359-02

Client Project #  
 G2261

Matrix  
 Ground Water

Collection Date/Time  
 03-Dec-08 10:15

Received  
 04-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
<b>General Chemistry Parameters</b>												
16887-00-6	Chloride	23.3		mg/l	1.00	0.249	1	EPA 300.0	04-Dec-08	05-Dec-08	8120438	X
14797-55-8	Nitrate as N	7.49		mg/l	0.100	0.0355	1	"	04-Dec-08	05-Dec-08	"	X
									16:00	05:17		
14797-65-0	Nitrite as N	0.120	J	mg/l	0.200	0.0246	1	"	04-Dec-08	05-Dec-08	"	
									16:00	05:17		
14808-79-8	Sulfate as SO4	39.6		mg/l	1.00	0.248	1	"	"	"	"	X

Sample Identification  
 MW-7S/G2261-03E  
 SA88359-03

Client Project #  
 G2261

Matrix  
 Ground Water

Collection Date/Time  
 03-Dec-08 10:15

Received  
 04-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
<b>General Chemistry Parameters</b>												
16887-00-6	Chloride	23.2		mg/l	1.00	0.249	1	EPA 300.0	04-Dec-08	05-Dec-08	8120438	X
14797-55-8	Nitrate as N	7.47		mg/l	0.100	0.0355	1	"	04-Dec-08	05-Dec-08	"	X
									16:00	05:35		
14797-65-0	Nitrite as N	0.110	J	mg/l	0.200	0.0246	1	"	04-Dec-08	05-Dec-08	"	
									16:00	05:35		
14808-79-8	Sulfate as SO4	39.7		mg/l	1.00	0.248	1	"	"	"	"	X

Sample Identification  
 MW-5S/G2261-04E  
 SA88359-04

Client Project #  
 G2261

Matrix  
 Ground Water

Collection Date/Time  
 03-Dec-08 13:27

Received  
 04-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
<b>General Chemistry Parameters</b>												
16887-00-6	Chloride	27.7		mg/l	1.00	0.249	1	EPA 300.0	04-Dec-08	05-Dec-08	8120438	X
14797-55-8	Nitrate as N	10.2	HT7	mg/l	0.500	0.178	5	"	05-Dec-08	06-Dec-08	8120585	X
									19:00	18:25		
14797-65-0	Nitrite as N	0.100	J	mg/l	0.200	0.0246	1	"	04-Dec-08	05-Dec-08	8120438	
									16:00	05:52		
14808-79-8	Sulfate as SO4	29.9		mg/l	1.00	0.248	1	"	"	"	"	X

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\* Reportable Detection Limit

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Page 5 of 11

0021

Sample Identification  
 MW-4S/G2261-05E  
 SA88359-05

Client Project #  
 G2261

Matrix  
 Ground Water

Collection Date/Time  
 05-Dec-08 15:00

Received  
 04-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
<b>General Chemistry Parameters</b>												
16887-00-6	Chloride	20.7		mg/l	1.00	0.249	1	EPA 300.0	04-Dec-08	05-Dec-08	8120438	X
14797-55-8	Nitrate as N	12.0	HT7	mg/l	0.500	0.178	5	"	05-Dec-08 19:00	06-Dec-08 18:42	8120585	X
14797-65-0	Nitrite as N	0.100	J	mg/l	0.200	0.0246	1	"	04-Dec-08 16:00	05-Dec-08 06:09	8120438	
14808-79-8	Sulfate as SO4	41.2		mg/l	1.00	0.248	1	"	"	"	"	X

Sample Identification  
 MW-6S/G2261-06E  
 SA88359-06

Client Project #  
 G2261

Matrix  
 Ground Water

Collection Date/Time  
 04-Dec-08 09:00

Received  
 04-Dec-08

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Cert.
<b>General Chemistry Parameters</b>												
16887-00-6	Chloride	23.2		mg/l	1.00	0.249	1	EPA 300.0	04-Dec-08	05-Dec-08	8120438	X
14797-55-8	Nitrate as N	7.59		mg/l	0.100	0.0355	1	"	04-Dec-08 16:00	05-Dec-08 06:27	"	X
14797-65-0	Nitrite as N	BDL	U	mg/l	0.200	0.0246	1	"	04-Dec-08 16:00	05-Dec-08 06:27	"	
14808-79-8	Sulfate as SO4	38.1		mg/l	1.00	0.248	1	"	"	"	"	X

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Page 6 of 11

0022

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch 8120438 - General Preparation</b>										
<b>Blank (8120438-BLK1)</b>										
Prepared & Analyzed: 04-Dec-08										
Sulfate as SO4	BRL	U	mg/l	1.00						
Chloride	BRL	U	mg/l	1.00						
Nitrite as N	BRL	U	mg/l	0.200						
Nitrate as N	BRL	U	mg/l	0.100						
<b>Calibration Blank (8120438-CCB1)</b>										
Prepared & Analyzed: 04-Dec-08										
Sulfate as SO4	0.100		mg/l							
Chloride	0.120		mg/l							
Nitrite as N	-0.0100	U	mg/l							
Nitrate as N	0.00	U	mg/l							
<b>Calibration Blank (8120438-CCB2)</b>										
Prepared: 04-Dec-08 Analyzed: 05-Dec-08										
Chloride	0.230		mg/l							
Sulfate as SO4	0.0700		mg/l							
Nitrite as N	0.0100		mg/l							
Nitrate as N	0.0300		mg/l							
<b>Calibration Check (8120438-CCV1)</b>										
Prepared & Analyzed: 04-Dec-08										
Chloride	20.6		mg/l		20.0		103	90-110		
Nitrite as N	2.11		mg/l		2.00		106	90-110		
Sulfate as SO4	20.5		mg/l		20.0		102	90-110		
Nitrate as N	2.06		mg/l		2.00		103	90-110		
<b>Calibration Check (8120438-CCV2)</b>										
Prepared & Analyzed: 04-Dec-08										
Sulfate as SO4	4.09		mg/l		4.00		102	90-110		
Chloride	4.40		mg/l		4.00		110	90-110		
Nitrite as N	0.360		mg/l		0.400		90	90-110		
Nitrate as N	0.430		mg/l		0.400		108	90-110		
<b>Calibration Check (8120438-CCV3)</b>										
Prepared: 04-Dec-08 Analyzed: 05-Dec-08										
Sulfate as SO4	20.5		mg/l		20.0		102	90-110		
Chloride	20.9		mg/l		20.0		104	90-110		
Nitrite as N	2.11		mg/l		2.00		106	90-110		
Nitrate as N	2.06		mg/l		2.00		103	90-110		
<b>Calibration Check (8120438-CCV4)</b>										
Prepared: 04-Dec-08 Analyzed: 05-Dec-08										
Sulfate as SO4	4.06		mg/l		4.00		102	90-110		
Chloride	4.31		mg/l		4.00		108	90-110		
Nitrate as N	0.410		mg/l		0.400		102	90-110		
<b>Duplicate (8120438-DUP1) Source: SA88267-01</b>										
Prepared & Analyzed: 04-Dec-08										
Sulfate as SO4	10.5		mg/l	1.00		10.4			0.3	20
Nitrite as N	0.0800	J	mg/l	0.200		0.0800			0	20
Chloride	12.4		mg/l	1.00		12.3			0.4	20
Nitrate as N	1.33		mg/l	0.100		1.33			0	20

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Page 7 of 11

0023

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 8120438 - General Preparation										
<u>Duplicate (8120438-DUP2)</u>		Source: SA88285-03								
Prepared & Analyzed: 04-Dec-08										
Sulfate as SO4	13.7		mg/l	1.00		13.8			0.1	20
Chloride	189		mg/l	1.00		199			5	20
Nitrite as N	BRL	U	mg/l	0.200		BRL				20
Nitrate as N	1.27		mg/l	0.100		1.27			0	20
<u>Duplicate (8120438-DUP3)</u>		Source: SA88359-01								
Prepared: 04-Dec-08 Analyzed: 05-Dec-08										
Chloride	29.9		mg/l	1.00		29.8			0.3	20
Nitrite as N	0.110	J	mg/l	0.200		0.0900			20	20
Sulfate as SO4	28.6		mg/l	1.00		28.7			0.1	20
Nitrate as N	11.8		mg/l	0.100		11.7			0.5	20
<u>Duplicate (8120438-DUP4)</u>		Source: SA88359-06								
Prepared: 04-Dec-08 Analyzed: 05-Dec-08										
Nitrite as N	0.0900	J	mg/l	0.200		BRL				20
Sulfate as SO4	37.9		mg/l	1.00		38.1			0.6	20
Chloride	23.3		mg/l	1.00		23.2			0.3	20
Nitrate as N	7.56		mg/l	0.100		7.59			0.4	20
<u>Matrix Spike (8120438-MS1)</u>		Source: SA88267-01								
Prepared & Analyzed: 04-Dec-08										
Sulfate as SO4	14.4		mg/l	1.00	4.00	10.4	99	90-110		
Nitrite as N	0.460		mg/l	0.200	0.400	0.0800	95	90-110		
Chloride	16.9	QM9	mg/l	1.00	4.00	12.3	115	90-110		
Nitrate as N	1.73		mg/l	0.100	0.400	1.33	100	90-110		
<u>Matrix Spike (8120438-MS2)</u>		Source: SA88285-03								
Prepared: 04-Dec-08 Analyzed: 05-Dec-08										
Nitrite as N	0.540	QM9	mg/l	0.200	0.400	BRL	135	90-110		
Chloride	193	QM4X	mg/l	1.00	4.00	199	-133	90-110		
Sulfate as SO4	18.7	QM9	mg/l	1.00	4.00	13.8	123	90-110		
Nitrate as N	1.75	QM9	mg/l	0.100	0.400	1.27	120	90-110		
<u>Matrix Spike (8120438-MS3)</u>		Source: SA88359-01								
Prepared: 04-Dec-08 Analyzed: 05-Dec-08										
Sulfate as SO4	32.6		mg/l	1.00	4.00	28.7	99	90-110		
Nitrite as N	0.490		mg/l	0.200	0.400	0.0900	100	90-110		
Chloride	34.0		mg/l	1.00	4.00	29.8	104	90-110		
Nitrate as N	12.0	QM4X	mg/l	0.100	0.400	11.7	82	90-110		
<u>Matrix Spike (8120438-MS4)</u>		Source: SA88359-06								
Prepared: 04-Dec-08 Analyzed: 05-Dec-08										
Sulfate as SO4	41.5	QM4X	mg/l	1.00	4.00	38.1	83	90-110		
Nitrite as N	0.500	QM9	mg/l	0.200	0.400	BRL	125	90-110		
Chloride	27.2		mg/l	1.00	4.00	23.2	102	90-110		
Nitrate as N	7.91	QM4X	mg/l	0.100	0.400	7.59	80	90-110		
<u>Matrix Spike Dup (8120438-MSD1)</u>		Source: SA88267-01								
Prepared & Analyzed: 04-Dec-08										
Chloride	17.0	QM9	mg/l	1.00	4.00	12.3	118	90-110	0.6	20
Sulfate as SO4	14.4		mg/l	1.00	4.00	10.4	100	90-110	0.3	20
Nitrite as N	0.460		mg/l	0.200	0.400	0.0800	95	90-110	0	20
Nitrate as N	1.73		mg/l	0.100	0.400	1.33	100	90-110	0	20

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\* Reportable Detection Limit

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Page 8 of 11

0024

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch 8120438 - General Preparation</b>										
<u>Matrix Spike Dup (8120438-MSD2)</u> Source: SA88285-03										
Prepared: 04-Dec-08 Analyzed: 05-Dec-08										
Chloride	193	QM4X	mg/l	1.00	4.00	199	-138	90-110	0.1	20
Sulfate as SO4	18.6	QM9	mg/l	1.00	4.00	10.8	121	90-110	0.5	20
Nitrite as N	0.540	QM9	mg/l	0.200	0.400	BRL	135	90-110	0	20
Nitrate as N	1.69		mg/l	0.100	0.400	1.27	105	90-110	3	20
<u>Matrix Spike Dup (8120438-MSD3)</u> Source: SA88359-01										
Prepared: 04-Dec-08 Analyzed: 05-Dec-08										
Sulfate as SO4	32.6		mg/l	1.00	4.00	28.7	98	90-110	0.03	20
Chloride	34.2		mg/l	1.00	4.00	29.8	108	90-110	0.4	20
Nitrite as N	0.480		mg/l	0.200	0.400	0.0900	97	90-110	2	20
Nitrate as N	12.0	QM4X	mg/l	0.100	0.400	11.7	80	90-110	0.08	20
<u>Matrix Spike Dup (8120438-MSD4)</u> Source: SA88359-06										
Prepared: 04-Dec-08 Analyzed: 05-Dec-08										
Nitrite as N	0.500	QM9	mg/l	0.200	0.400	BRL	125	90-110	0	20
Sulfate as SO4	41.5	QM4X	mg/l	1.00	4.00	38.1	88	90-110	0.4	20
Chloride	27.1		mg/l	1.00	4.00	23.2	98	90-110	0.6	20
Nitrate as N	7.92	QM4X	mg/l	0.100	0.400	7.59	82	90-110	0.1	20
<u>Reference (8120438-SRM1)</u>										
Prepared & Analyzed: 04-Dec-08										
Chloride	26.2		mg/l	1.00	25.0		105	90-110		
Sulfate as SO4	25.5		mg/l	1.00	25.0		102	90-110		
Nitrite as N	2.49		mg/l	0.200	2.50		100	90-110		
Nitrate as N	2.53		mg/l	0.100	2.50		101	90-110		
<u>Reference (8120438-SRM2)</u>										
Prepared & Analyzed: 04-Dec-08										
Nitrite as N	0.440	Z-2	mg/l	0.200	0.500		88	90-110		
Sulfate as SO4	5.14		mg/l	1.00	5.00		103	90-110		
Chloride	5.36		mg/l	1.00	5.00		107	90-110		
Nitrate as N	0.500		mg/l	0.100	0.500		100	90-110		
<b>Batch 8120585 - General Preparation</b>										
<u>Blank (8120585-BLK1)</u>										
Prepared: 05-Dec-08 Analyzed: 06-Dec-08										
Nitrate as N	BRL	U	mg/l	0.100						
<u>Calibration Blank (8120585-CCB1)</u>										
Prepared: 05-Dec-08 Analyzed: 06-Dec-08										
Nitrate as N	0.00	U	mg/l							
<u>Calibration Blank (8120585-CCB2)</u>										
Prepared: 05-Dec-08 Analyzed: 06-Dec-08										
Nitrate as N	0.00	U	mg/l							
<u>Calibration Check (8120585-CCV1)</u>										
Prepared: 05-Dec-08 Analyzed: 06-Dec-08										
Nitrate as N	2.07		mg/l		2.00		104	90-110		
<u>Calibration Check (8120585-CCV2)</u>										
Prepared: 05-Dec-08 Analyzed: 06-Dec-08										
Nitrate as N	0.390		mg/l		0.400		97	90-110		

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\* Reportable Detection Limit

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Page 9 of 11

0025

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch 8120585 - General Preparation</b>										
<u>Calibration Check (8120585-CCV3)</u>										
Prepared: 05-Dec-08 Analyzed: 06-Dec-08										
Nitrate as N	2.05		mg/l		2.00		102	90-110		
<u>Calibration Check (8120585-CCV4)</u>										
Prepared: 05-Dec-08 Analyzed: 06-Dec-08										
Nitrate as N	0.380		mg/l		0.400		95	90-110		
<u>Duplicate (8120585-DUP1)</u> Source: SA88444-16										
Prepared: 05-Dec-08 Analyzed: 06-Dec-08										
Nitrate as N	2.67		mg/l	0.100		2.61			2	20
<u>Duplicate (8120585-DUP2)</u> Source: SA88346-01										
Prepared: 05-Dec-08 Analyzed: 06-Dec-08										
Nitrate as N	66.9		mg/l	1.00		66.7			0.3	20
<u>Matrix Spike (8120585-MS1)</u> Source: SA88444-16										
Prepared: 05-Dec-08 Analyzed: 06-Dec-08										
Nitrate as N	3.01		mg/l	0.100	0.400	2.61	100	90-110		
<u>Matrix Spike (8120585-MS2)</u> Source: SA88346-01										
Prepared: 05-Dec-08 Analyzed: 06-Dec-08										
Nitrate as N	71.2	QM4X	mg/l	1.00	4.00	66.7	112	90-110		
<u>Matrix Spike Dup (8120585-MSD1)</u> Source: SA88444-16										
Prepared: 05-Dec-08 Analyzed: 06-Dec-08										
Nitrate as N	3.10	QM4X	mg/l	0.100	0.400	2.61	122	90-110	3	20
<u>Matrix Spike Dup (8120585-MSD2)</u> Source: SA88346-01										
Prepared: 05-Dec-08 Analyzed: 06-Dec-08										
Nitrate as N	70.4		mg/l	1.00	4.00	66.7	93	90-110	1	20
<u>Reference (8120585-SRM1)</u>										
Prepared: 05-Dec-08 Analyzed: 06-Dec-08										
Nitrate as N	2.56		mg/l	0.100	2.50		102	90-110		
<u>Reference (8120585-SRM2)</u>										
Prepared: 05-Dec-08 Analyzed: 06-Dec-08										
Nitrate as N	0.520		mg/l	0.100	0.500		104	90-110		

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Page 10 of 11

0026

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-8S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-01D  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3966.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/12/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		0.50	U
74-87-3	Chloromethane		0.50	U
75-01-4	Vinyl chloride		0.50	U
74-83-9	Bromomethane		0.50	U
75-00-3	Chloroethane		0.50	U
75-69-4	Trichlorofluoromethane		0.50	U
75-35-4	1,1-Dichloroethene		0.39	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.50	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		0.50	U
79-20-9	Methyl acetate		0.50	U
75-09-2	Methylene chloride		0.50	U
156-60-5	trans-1,2-Dichloroethene		0.50	U
1634-04-4	Methyl tert-butyl ether		0.50	U
75-34-3	1,1-Dichloroethane		0.96	
156-59-2	cis-1,2-Dichloroethene		0.50	U
78-93-3	2-Butanone		5.0	U
74-97-5	Bromochloromethane		0.50	U
67-66-3	Chloroform		0.50	U
71-55-6	1,1,1-Trichloroethane		0.57	
110-82-7	Cyclohexane		0.50	U
56-23-5	Carbon tetrachloride		0.50	U
71-43-2	Benzene		0.50	U
107-06-2	1,2-Dichloroethane		0.50	U
79-01-6	Trichloroethene		1.1	
108-87-2	Methylcyclohexane		0.50	U
78-87-5	1,2-Dichloropropane		0.50	U
75-27-4	Bromodichloromethane		0.50	U
10061-01-5	cis-1,3-Dichloropropene		0.50	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		0.50	U
10061-02-6	trans-1,3-Dichloropropene		0.50	U
79-00-5	1,1,2-Trichloroethane		0.50	U
127-18-4	Tetrachloroethene		0.50	U
591-78-6	2-Hexanone		5.0	U

EPA OLC

0027



1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-8S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-01D  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3966.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/12/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
124-48-1	Dibromochloromethane		0.50	U
106-93-4	1,2-Dibromoethane		0.50	U
108-90-7	Chlorobenzene		0.50	U
100-41-4	Ethylbenzene		0.50	U
1330-20-7	Xylenes (Total)		0.50	U
100-42-5	Styrene		0.50	U
75-25-2	Bromoform		0.50	U
98-82-8	Isopropylbenzene		0.50	U
79-34-5	1,1,2,2-Tetrachloroethane		0.50	U
541-73-1	1,3-Dichlorobenzene		0.50	U
106-46-7	1,4-Dichlorobenzene		0.50	U
95-50-1	1,2-Dichlorobenzene		0.50	U
96-12-8	1,2-Dibromo-3-chloropropane		0.50	U
120-82-1	1,2,4-Trichlorobenzene		0.50	U
87-61-6	1,2,3-Trichlorobenzene		0.50	U

1J - FORM I VOA-TIC  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.  
 MW-8S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-01D  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3966.D  
 Level: (TRACE or LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/12/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-9S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-02D  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3949.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		0.50	U
74-87-3	Chloromethane		0.50	U
75-01-4	Vinyl chloride		0.50	U
74-83-9	Bromomethane		0.50	U
75-00-3	Chloroethane		0.50	U
75-69-4	Trichlorofluoromethane		0.50	U
75-35-4	1,1-Dichloroethene		0.37	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.50	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		0.50	U
79-20-9	Methyl acetate		0.50	U
75-09-2	Methylene chloride		0.50	U
156-60-5	trans-1,2-Dichloroethene		0.50	U
1634-04-4	Methyl tert-butyl ether		0.50	U
75-34-3	1,1-Dichloroethane		1.6	
156-59-2	cis-1,2-Dichloroethene		0.50	U
78-93-3	2-Butanone		5.0	U
74-97-5	Bromochloromethane		0.50	U
67-66-3	Chloroform		0.50	U
71-55-6	1,1,1-Trichloroethane		0.35	J
110-82-7	Cyclohexane		0.50	U
56-23-5	Carbon tetrachloride		0.50	U
71-43-2	Benzene		0.50	U
107-06-2	1,2-Dichloroethane		0.50	U
79-01-6	Trichloroethene		0.93	
108-87-2	Methylcyclohexane		0.50	U
78-87-5	1,2-Dichloropropane		0.50	U
75-27-4	Bromodichloromethane		0.50	U
10061-01-5	cis-1,3-Dichloropropene		0.50	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		0.50	U
10061-02-6	trans-1,3-Dichloropropene		0.50	U
79-00-5	1,1,2-Trichloroethane		0.50	U
127-18-4	Tetrachloroethene		0.50	U
591-78-6	2-Hexanone		5.0	U

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-9S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-02D  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3949.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
124-48-1	Dibromochloromethane		0.50	U
106-93-4	1,2-Dibromoethane		0.50	U
108-90-7	Chlorobenzene		0.50	U
100-41-4	Ethylbenzene		0.50	U
1330-20-7	Xylenes (Total)		0.50	U
100-42-5	Styrene		0.50	U
75-25-2	Bromoform		0.50	U
98-82-8	Isopropylbenzene		0.50	U
79-34-5	1,1,2,2-Tetrachloroethane		0.50	U
541-73-1	1,3-Dichlorobenzene		0.50	U
106-46-7	1,4-Dichlorobenzene		0.50	U
95-50-1	1,2-Dichlorobenzene		0.50	U
96-12-8	1,2-Dibromo-3-chloropropane		0.50	U
120-82-1	1,2,4-Trichlorobenzene		0.50	U
87-61-6	1,2,3-Trichlorobenzene		0.50	U

1J - FORM I VOA-TIC  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.  
 MW-9S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-02D  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3949.D  
 Level: (TRACE or LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-7S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-03D  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3950.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		0.50	U
74-87-3	Chloromethane		0.50	U
75-01-4	Vinyl chloride		0.50	U
74-83-9	Bromomethane		0.50	U
75-00-3	Chloroethane		0.50	U
75-69-4	Trichlorofluoromethane		0.50	U
75-35-4	1,1-Dichloroethene		0.38	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.50	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		0.50	U
79-20-9	Methyl acetate		0.50	U
75-09-2	Methylene chloride		0.50	U
156-60-5	trans-1,2-Dichloroethene		0.50	U
1634-04-4	Methyl tert-butyl ether		0.50	U
75-34-3	1,1-Dichloroethane		1.6	
156-59-2	cis-1,2-Dichloroethene		0.50	U
78-93-3	2-Butanone		5.0	U
74-97-5	Bromochloromethane		0.50	U
67-66-3	Chloroform		0.50	U
71-55-6	1,1,1-Trichloroethane		0.36	J
110-82-7	Cyclohexane		0.50	U
56-23-5	Carbon tetrachloride		0.50	U
71-43-2	Benzene		0.50	U
107-06-2	1,2-Dichloroethane		0.50	U
79-01-6	Trichloroethene		0.93	
108-87-2	Methylcyclohexane		0.50	U
78-87-5	1,2-Dichloropropane		0.50	U
75-27-4	Bromodichloromethane		0.50	U
10061-01-5	cis-1,3-Dichloropropene		0.50	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		0.50	U
10061-02-6	trans-1,3-Dichloropropene		0.50	U
79-00-5	1,1,2-Trichloroethane		0.50	U
127-18-4	Tetrachloroethene		0.50	U
591-78-6	2-Hexanone		5.0	U

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-7S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-03D  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3950.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
124-48-1	Dibromochloromethane		0.50	U
106-93-4	1,2-Dibromoethane		0.50	U
108-90-7	Chlorobenzene		0.50	U
100-41-4	Ethylbenzene		0.50	U
1330-20-7	Xylenes (Total)		0.50	U
100-42-5	Styrene		0.50	U
75-25-2	Bromoform		0.50	U
98-82-8	Isopropylbenzene		0.50	U
79-34-5	1,1,2,2-Tetrachloroethane		0.50	U
541-73-1	1,3-Dichlorobenzene		0.50	U
106-46-7	1,4-Dichlorobenzene		0.50	U
95-50-1	1,2-Dichlorobenzene		0.50	U
96-12-8	1,2-Dibromo-3-chloropropane		0.50	U
120-82-1	1,2,4-Trichlorobenzene		0.50	U
87-61-6	1,2,3-Trichlorobenzene		0.50	U

1J - FORM I VOA-TIC  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.  
 MW-7S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-03D  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3950.D  
 Level: (TRACE or LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.



1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-5S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-04D  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3951.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		0.50	U
74-87-3	Chloromethane		0.50	U
75-01-4	Vinyl chloride		0.50	U
74-83-9	Bromomethane		0.50	U
75-00-3	Chloroethane		0.50	U
75-69-4	Trichlorofluoromethane		0.50	U
75-35-4	1,1-Dichloroethene		0.35	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.50	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		0.50	U
79-20-9	Methyl acetate		0.50	U
75-09-2	Methylene chloride		0.50	U
156-60-5	trans-1,2-Dichloroethene		0.50	U
1634-04-4	Methyl tert-butyl ether		0.50	U
75-34-3	1,1-Dichloroethane		0.79	
156-59-2	cis-1,2-Dichloroethene		0.50	U
78-93-3	2-Butanone		5.0	U
74-97-5	Bromochloromethane		0.50	U
67-66-3	Chloroform		0.50	U
71-55-6	1,1,1-Trichloroethane		0.48	J
110-82-7	Cyclohexane		0.50	U
56-23-5	Carbon tetrachloride		0.50	U
71-43-2	Benzene		0.50	U
107-06-2	1,2-Dichloroethane		0.50	U
79-01-6	Trichloroethene		0.86	
108-87-2	Methylcyclohexane		0.50	U
78-87-5	1,2-Dichloropropane		0.50	U
75-27-4	Bromodichloromethane		0.50	U
10061-01-5	cis-1,3-Dichloropropene		0.50	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		0.50	U
10061-02-6	trans-1,3-Dichloropropene		0.50	U
79-00-5	1,1,2-Trichloroethane		0.50	U
127-18-4	Tetrachloroethene		0.50	U
591-78-6	2-Hexanone		5.0	U

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-5S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-04D  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3951.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
124-48-1	Dibromochloromethane		0.50	U
106-93-4	1,2-Dibromoethane		0.50	U
108-90-7	Chlorobenzene		0.50	U
100-41-4	Ethylbenzene		0.50	U
1330-20-7	Xylenes (Total)		0.50	U
100-42-5	Styrene		0.50	U
75-25-2	Bromoform		0.50	U
98-82-8	Isopropylbenzene		0.50	U
79-34-5	1,1,2,2-Tetrachloroethane		0.50	U
541-73-1	1,3-Dichlorobenzene		0.50	U
106-46-7	1,4-Dichlorobenzene		0.50	U
95-50-1	1,2-Dichlorobenzene		0.50	U
96-12-8	1,2-Dibromo-3-chloropropane		0.50	U
120-82-1	1,2,4-Trichlorobenzene		0.50	U
87-61-6	1,2,3-Trichlorobenzene		0.50	U

1J - FORM I VOA-TIC  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.  
MW-5S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-04D

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3951.D

Level: (TRACE or LOW/MED) LOW Date Received: 12/04/2008

% Moisture: not dec. Date Analyzed: 12/11/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-4S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-05D  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3952.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		0.50	U
74-87-3	Chloromethane		0.50	U
75-01-4	Vinyl chloride		0.50	U
74-83-9	Bromomethane		0.50	U
75-00-3	Chloroethane		0.50	U
75-69-4	Trichlorofluoromethane		0.50	U
75-35-4	1,1-Dichloroethene		0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.50	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		0.50	U
79-20-9	Methyl acetate		0.50	U
75-09-2	Methylene chloride		0.50	U
156-60-5	trans-1,2-Dichloroethene		0.50	U
1634-04-4	Methyl tert-butyl ether		0.50	U
75-34-3	1,1-Dichloroethane		0.76	
156-59-2	cis-1,2-Dichloroethene		0.50	U
78-93-3	2-Butanone		5.0	U
74-97-5	Bromochloromethane		0.50	U
67-66-3	Chloroform		0.50	U
71-55-6	1,1,1-Trichloroethane		0.50	U
110-82-7	Cyclohexane		0.50	U
56-23-5	Carbon tetrachloride		0.50	U
71-43-2	Benzene		0.50	U
107-06-2	1,2-Dichloroethane		0.50	U
79-01-6	Trichloroethene		0.50	U
108-87-2	Methylcyclohexane		0.50	U
78-87-5	1,2-Dichloropropane		0.50	U
75-27-4	Bromodichloromethane		0.50	U
10061-01-5	cis-1,3-Dichloropropene		0.50	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		0.50	U
10061-02-6	trans-1,3-Dichloropropene		0.50	U
79-00-5	1,1,2-Trichloroethane		0.50	U
127-18-4	Tetrachloroethene		0.50	U
591-78-6	2-Hexanone		5.0	U

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-4S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-05D  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3952.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	Q
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
1330-20-7	Xylenes (Total)	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

1J - FORM I VOA-TIC  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-4S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-05D  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3952.D  
 Level: (TRACE or LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-6S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-06D  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3953.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		0.50	U
74-87-3	Chloromethane		0.50	U
75-01-4	Vinyl chloride		0.50	U
74-83-9	Bromomethane		0.50	U
75-00-3	Chloroethane		0.50	U
75-69-4	Trichlorofluoromethane		0.50	U
75-35-4	1,1-Dichloroethene		0.32	J
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.50	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		0.50	U
79-20-9	Methyl acetate		0.50	U
75-09-2	Methylene chloride		0.50	U
156-60-5	trans-1,2-Dichloroethene		0.50	U
1634-04-4	Methyl tert-butyl ether		0.50	U
75-34-3	1,1-Dichloroethane		1.6	
156-59-2	cis-1,2-Dichloroethene		0.50	U
78-93-3	2-Butanone		5.0	U
74-97-5	Bromochloromethane		0.50	U
67-66-3	Chloroform		0.50	U
71-55-6	1,1,1-Trichloroethane		0.36	J
110-82-7	Cyclohexane		0.50	U
56-23-5	Carbon tetrachloride		0.50	U
71-43-2	Benzene		0.50	U
107-06-2	1,2-Dichloroethane		0.50	U
79-01-6	Trichloroethene		1.1	
108-87-2	Methylcyclohexane		0.50	U
78-87-5	1,2-Dichloropropane		0.50	U
75-27-4	Bromodichloromethane		0.50	U
10061-01-5	cis-1,3-Dichloropropene		0.50	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		0.50	U
10061-02-6	trans-1,3-Dichloropropene		0.50	U
79-00-5	1,1,2-Trichloroethane		0.50	U
127-18-4	Tetrachloroethene		0.50	U
591-78-6	2-Hexanone		5.0	U

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-6S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-06D  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3953.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
124-48-1	Dibromochloromethane		0.50	U
106-93-4	1,2-Dibromoethane		0.50	U
108-90-7	Chlorobenzene		0.50	U
100-41-4	Ethylbenzene		0.50	U
1330-20-7	Xylenes (Total)		0.50	U
100-42-5	Styrene		0.50	U
75-25-2	Bromoform		0.50	U
98-82-8	Isopropylbenzene		0.50	U
79-34-5	1,1,2,2-Tetrachloroethane		0.50	U
541-73-1	1,3-Dichlorobenzene		0.50	U
106-46-7	1,4-Dichlorobenzene		0.50	U
95-50-1	1,2-Dichlorobenzene		0.50	U
96-12-8	1,2-Dibromo-3-chloropropane		0.50	U
120-82-1	1,2,4-Trichlorobenzene		0.50	U
87-61-6	1,2,3-Trichlorobenzene		0.50	U



1J - FORM I VOA-TIC  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.  
 MW-6S

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-06D  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3953.D  
 Level: (TRACE or LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB120408

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-07A  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3954.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		0.50	U
74-87-3	Chloromethane		0.50	U
75-01-4	Vinyl chloride		0.50	U
74-83-9	Bromomethane		0.50	U
75-00-3	Chloroethane		0.50	U
75-69-4	Trichlorofluoromethane		0.50	U
75-35-4	1,1-Dichloroethene		0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.50	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		0.50	U
79-20-9	Methyl acetate		0.50	U
75-09-2	Methylene chloride		0.50	U
156-60-5	trans-1,2-Dichloroethene		0.50	U
1634-04-4	Methyl tert-butyl ether		0.50	U
75-34-3	1,1-Dichloroethane		0.50	U
156-59-2	cis-1,2-Dichloroethene		0.50	U
78-93-3	2-Butanone		5.0	U
74-97-5	Bromochloromethane		0.50	U
67-66-3	Chloroform		0.50	U
71-55-6	1,1,1-Trichloroethane		0.50	U
110-82-7	Cyclohexane		0.50	U
56-23-5	Carbon tetrachloride		0.50	U
71-43-2	Benzene		0.50	U
107-06-2	1,2-Dichloroethane		0.50	U
79-01-6	Trichloroethene		0.50	U
108-87-2	Methylcyclohexane		0.50	U
78-87-5	1,2-Dichloropropane		0.50	U
75-27-4	Bromodichloromethane		0.50	U
10061-01-5	cis-1,3-Dichloropropene		0.50	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		0.50	U
10061-02-6	trans-1,3-Dichloropropene		0.50	U
79-00-5	1,1,2-Trichloroethane		0.50	U
127-18-4	Tetrachloroethene		0.50	U
591-78-6	2-Hexanone		5.0	U

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FB120408

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-07A  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3954.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
124-48-1	Dibromochloromethane		0.50	U
106-93-4	1,2-Dibromoethane		0.50	U
108-90-7	Chlorobenzene		0.50	U
100-41-4	Ethylbenzene		0.50	U
1330-20-7	Xylenes (Total)		0.50	U
100-42-5	Styrene		0.50	U
75-25-2	Bromoform		0.50	U
98-82-8	Isopropylbenzene		0.50	U
79-34-5	1,1,2,2-Tetrachloroethane		0.50	U
541-73-1	1,3-Dichlorobenzene		0.50	U
106-46-7	1,4-Dichlorobenzene		0.50	U
95-50-1	1,2-Dichlorobenzene		0.50	U
96-12-8	1,2-Dibromo-3-chloropropane		0.50	U
120-82-1	1,2,4-Trichlorobenzene		0.50	U
87-61-6	1,2,3-Trichlorobenzene		0.50	U

1J - FORM I VOA-TIC  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.  
 FB120408

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-07A  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3954.D  
 Level: (TRACE or LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-08A  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3955.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		0.50	U
74-87-3	Chloromethane		0.50	U
75-01-4	Vinyl chloride		0.50	U
74-83-9	Bromomethane		0.50	U
75-00-3	Chloroethane		0.50	U
75-69-4	Trichlorofluoromethane		0.50	U
75-35-4	1,1-Dichloroethene		0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.50	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		0.50	U
79-20-9	Methyl acetate		0.50	U
75-09-2	Methylene chloride		0.50	U
156-60-5	trans-1,2-Dichloroethene		0.50	U
1634-04-4	Methyl tert-butyl ether		0.50	U
75-34-3	1,1-Dichloroethane		0.50	U
156-59-2	cis-1,2-Dichloroethene		0.50	U
78-93-3	2-Butanone		5.0	U
74-97-5	Bromochloromethane		0.50	U
67-66-3	Chloroform		0.50	U
71-55-6	1,1,1-Trichloroethane		0.50	U
110-82-7	Cyclohexane		0.50	U
56-23-5	Carbon tetrachloride		0.50	U
71-43-2	Benzene		0.50	U
107-06-2	1,2-Dichloroethane		0.50	U
79-01-6	Trichloroethene		0.50	U
108-87-2	Methylcyclohexane		0.50	U
78-87-5	1,2-Dichloropropane		0.50	U
75-27-4	Bromodichloromethane		0.50	U
10061-01-5	cis-1,3-Dichloropropene		0.50	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		0.50	U
10061-02-6	trans-1,3-Dichloropropene		0.50	U
79-00-5	1,1,2-Trichloroethane		0.50	U
127-18-4	Tetrachloroethene		0.50	U
591-78-6	2-Hexanone		5.0	U

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-08A  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3955.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
124-48-1	Dibromochloromethane		0.50	U
106-93-4	1,2-Dibromoethane		0.50	U
108-90-7	Chlorobenzene		0.50	U
100-41-4	Ethylbenzene		0.50	U
1330-20-7	Xylenes (Total)		0.50	U
100-42-5	Styrene		0.50	U
75-25-2	Bromoform		0.50	U
98-82-8	Isopropylbenzene		0.50	U
79-34-5	1,1,2,2-Tetrachloroethane		0.50	U
541-73-1	1,3-Dichlorobenzene		0.50	U
106-46-7	1,4-Dichlorobenzene		0.50	U
95-50-1	1,2-Dichlorobenzene		0.50	U
96-12-8	1,2-Dibromo-3-chloropropane		0.50	U
120-82-1	1,2,4-Trichlorobenzene		0.50	U
87-61-6	1,2,3-Trichlorobenzene		0.50	U

1J - FORM I VOA-TIC  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.  
 TRIP BLANK

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: G2261-08A  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3955.D  
 Level: (TRACE or LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V5JLCS

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40712  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3948.D  
 Level: (TRACE/LOW/MED) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		0.50	U
74-87-3	Chloromethane		0.50	U
75-01-4	Vinyl chloride		0.50	U
74-83-9	Bromomethane		0.50	U
75-00-3	Chloroethane		0.50	U
75-69-4	Trichlorofluoromethane		0.50	U
75-35-4	1,1-Dichloroethene		4.1	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.50	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		0.50	U
79-20-9	Methyl acetate		0.50	U
75-09-2	Methylene chloride		0.50	U
156-60-5	trans-1,2-Dichloroethene		0.50	U
1634-04-4	Methyl tert-butyl ether		0.50	U
75-34-3	1,1-Dichloroethane		0.50	U
156-59-2	cis-1,2-Dichloroethene		0.50	U
78-93-3	2-Butanone		5.0	U
74-97-5	Bromochloromethane		0.50	U
67-66-3	Chloroform		0.50	U
71-55-6	1,1,1-Trichloroethane		0.50	U
110-82-7	Cyclohexane		0.50	U
56-23-5	Carbon tetrachloride		0.50	U
71-43-2	Benzene		4.9	
107-06-2	1,2-Dichloroethane		0.50	U
79-01-6	Trichloroethene		4.7	
108-87-2	Methylcyclohexane		0.50	U
78-87-5	1,2-Dichloropropane		0.50	U
75-27-4	Bromodichloromethane		0.50	U
10061-01-5	cis-1,3-Dichloropropene		0.50	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		4.9	
10061-02-6	trans-1,3-Dichloropropene		0.50	U
79-00-5	1,1,2-Trichloroethane		0.50	U
127-18-4	Tetrachloroethene		0.50	U
591-78-6	2-Hexanone		5.0	U

EPA OLC

0051



1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

V5JLCS

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-40712  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3948.D  
 Level: (TRACE/LOW/MED) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
124-48-1	Dibromochloromethane		0.50	U
106-93-4	1,2-Dibromoethane		0.50	U
108-90-7	Chlorobenzene		5.1	
100-41-4	Ethylbenzene		0.50	U
1330-20-7	Xylenes (Total)		0.50	U
100-42-5	Styrene		0.50	U
75-25-2	Bromoform		0.50	U
98-82-8	Isopropylbenzene		0.50	U
79-34-5	1,1,2,2-Tetrachloroethane		0.50	U
541-73-1	1,3-Dichlorobenzene		0.50	U
106-46-7	1,4-Dichlorobenzene		0.50	U
95-50-1	1,2-Dichlorobenzene		0.50	U
96-12-8	1,2-Dibromo-3-chloropropane		0.50	U
120-82-1	1,2,4-Trichlorobenzene		0.50	U
87-61-6	1,2,3-Trichlorobenzene		0.50	U

2A - FORM II VOA-1

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (VCL) #	VDMC2 (CLA) #	VDMC3 (DCE) #	VDMC4 (BUT) #	VDMC5 (CLF) #	VDMC6 (DCA) #	VDMC7 (BEN) #
01	MB-40712	95	99	71	166	93	95	108
02	LCS-40712	94	97	85	177	91	91	101
03	MW-9S	104	115	87	95	105	99	110
04	MW-7S	102	109	87	82	101	100	112
05	MW-5S	105	117	86	81	104	100	112
06	MW-4S	103	113	88	85	103	100	113
07	MW-6S	102	115	83	80	103	96	113
08	FB120408	101	113	88	83	99	94	112
09	TRIP BLANK	105	121	83	73	105	97	113
10	MW-8S	95	99	71	165	93	95	104

VDMC1	(VCL) = Vinyl chloride-d3	QC LIMITS (49-138)
VDMC2	(CLA) = Chloroethane-d5	(60-126)
VDMC3	(DCE) = 1,1-Dichloroethene-d2	(65-130)
VDMC4	(BUT) = 2-Butanone-d5	(42-171)
VDMC5	(CLF) = Chloroform-d	(80-123)
VDMC6	(DCA) = 1,2-Dichloroethane-d4	(78-129)
VDMC7	(BEN) = Benzene-d6	(78-121)

# Column to be used to flag recovery values  
 \* Values outside of contract required QC limits

## WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES

Contract: \_\_\_\_\_

Lab Code: MITKEM

Case No.: \_\_\_\_\_

Mod. Ref No.: \_\_\_\_\_

SDG No.: MG2261

Level: (TRACE or LOW) LOW

	EPA SAMPLE NO.	VDMC8 (DPA) #	VDMC9 (TOL) #	VDMC10 (TDP) #	VDMC11 (HEX) #	VDMC12 (BRF) #	VDMC13 (TCA) #	VDMC14 (DCZ) #	TOT OUT
01	VBLK5J	112	105	94	101	116	100	108	0
02	V5JLCS	109	102	101	53	106	95	112	1
03	MW-9S	111	106	90	16 *	106	97	109	1
04	MW-7S	112	107	92	32 *	102	98	107	1
05	MW-5S	111	107	88	12 *	109	101	107	1
06	MW-4S	107	105	91	17 *	114	93	118	1
07	MW-6S	107	107	90	20 *	105	101	111	1
08	FB120408	105	106	88	36 *	108	100	112	1
09	TRIP BLANK	106	105	91	13 *	117	93	113	1
10	MW-8S	107	105	98	15 *	111	102	115	1
11	VHBLK5J	109	104	99	94	121	101	114	0

VDMC8 (DPA) = 1,2-Dichloropropane-d6  
VDMC9 (TOL) = Toluene-d8  
VDMC10 (TDP) = trans-1,3-Dichloropropene-d4  
VDMC11 (HEX) = 2-Hexanone-d5  
VDMC12 (BRF) = Bromoform-d  
VDMC13 (TCA) = 1,1,2,2-Tetrachloroethane-d2  
VDMC14 (DCZ) = 1,2-Dichlorobenzene-d4

QC LIMITS

(84-123)

(77-120)

(80-128)

(37-169)

(76-135)

(75-131)

(50-150)

# Column to be used to flag recovery values

\* Values outside of contract required QC limits

3 - FORM III  
WATER LABORATORY CONTROL  
SAMPLE RECOVERY

CLIENT SAMPLE NO.

V5JLCS

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
Lab Sample ID: LCS-40712 LCS Lot No.: \_\_\_\_\_  
Date Extracted: 12/11/2008 Date Analyzed (1): 12/11/2008

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
1,1-Dichloroethene	5.0000	0.0000	4.0783	82		61 - 145
Benzene	5.0000	0.0000	4.9437	99		76 - 127
Trichloroethene	5.0000	0.0000	4.6933	94		71 - 120
Toluene	5.0000	0.0000	4.8543	97		76 - 125
Chlorobenzene	5.0000	0.0000	5.1344	103		75 - 130

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

\* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

4A - FORM IV VOA  
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.  
VBLK5J

Lab Name: MITKEM LABORATORIES Contract:  
 Lab Code: MITKEM Case No.: Mod. Ref No.: SDG No.: MG2261  
 Lab File ID: V5K3947.D Lab Sample ID: MB-40712  
 Instrument ID: V5  
 Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 12/11/2008  
 Level: (TRACE or LOW/MED) LOW Time Analyzed: 15:22  
 GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	V5JLCS	LCS-40712	V5K3948.D	15:52
02	MW-9S	G2261-02D	V5K3949.D	16:17
03	MW-7S	G2261-03D	V5K3950.D	16:46
04	MW-5S	G2261-04D	V5K3951.D	17:15
05	MW-4S	G2261-05D	V5K3952.D	17:44
06	MW-6S	G2261-06D	V5K3953.D	18:13
07	FB120408	G2261-07A	V5K3954.D	18:42
08	TRIP BLANK	G2261-08A	V5K3955.D	19:11
09	MW-8S	G2261-01D	V5K3966.D	00:29
10	VHBLK5J	VHBLK5J	V5K3967.D	00:59

COMMENTS:

1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK5J

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40712  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3947.D  
 Level: (TRACE/LOW/MED) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		0.50	U
74-87-3	Chloromethane		0.50	U
75-01-4	Vinyl chloride		0.50	U
74-83-9	Bromomethane		0.50	U
75-00-3	Chloroethane		0.50	U
75-69-4	Trichlorofluoromethane		0.50	U
75-35-4	1,1-Dichloroethene		0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.50	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		0.50	U
79-20-9	Methyl acetate		0.50	U
75-09-2	Methylene chloride		0.50	U
156-60-5	trans-1,2-Dichloroethene		0.50	U
1634-04-4	Methyl tert-butyl ether		0.50	U
75-34-3	1,1-Dichloroethane		0.50	U
156-59-2	cis-1,2-Dichloroethene		0.50	U
78-93-3	2-Butanone		5.0	U
74-97-5	Bromochloromethane		0.50	U
67-66-3	Chloroform		0.50	U
71-55-6	1,1,1-Trichloroethane		0.50	U
110-82-7	Cyclohexane		0.50	U
56-23-5	Carbon tetrachloride		0.50	U
71-43-2	Benzene		0.50	U
107-06-2	1,2-Dichloroethane		0.50	U
79-01-6	Trichloroethene		0.50	U
108-87-2	Methylcyclohexane		0.50	U
78-87-5	1,2-Dichloropropane		0.50	U
75-27-4	Bromodichloromethane		0.50	U
10061-01-5	cis-1,3-Dichloropropene		0.50	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		0.50	U
10061-02-6	trans-1,3-Dichloropropene		0.50	U
79-00-5	1,1,2-Trichloroethane		0.50	U
127-18-4	Tetrachloroethene		0.50	U
591-78-6	2-Hexanone		5.0	U

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VBLK5J

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40712  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3947.D  
 Level: (TRACE/LOW/MED) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. Date Analyzed: 12/11/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
124-48-1	Dibromochloromethane		0.50	U
106-93-4	1,2-Dibromoethane		0.50	U
108-90-7	Chlorobenzene		0.50	U
100-41-4	Ethylbenzene		0.50	U
1330-20-7	Xylenes (Total)		0.50	U
100-42-5	Styrene		0.50	U
75-25-2	Bromoform		0.50	U
98-82-8	Isopropylbenzene		0.50	U
79-34-5	1,1,2,2-Tetrachloroethane		0.50	U
541-73-1	1,3-Dichlorobenzene		0.50	U
106-46-7	1,4-Dichlorobenzene		0.50	U
95-50-1	1,2-Dichlorobenzene		0.50	U
96-12-8	1,2-Dibromo-3-chloropropane		0.50	U
120-82-1	1,2,4-Trichlorobenzene		0.50	U
87-61-6	1,2,3-Trichlorobenzene		0.50	U

1J - FORM I VOA-TIC  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.  
VBLK5J

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_

Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-40712

Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3947.D

Level: (TRACE or LOW/MED) LOW Date Received: \_\_\_\_\_

% Moisture: not dec. Date Analyzed: 12/11/2008

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.



1A - FORM I VOA-1  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLK5J

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLK5J  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3967.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/12/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
75-71-8	Dichlorodifluoromethane		0.50	U
74-87-3	Chloromethane		0.50	U
75-01-4	Vinyl chloride		0.50	U
74-83-9	Bromomethane		0.50	U
75-00-3	Chloroethane		0.50	U
75-69-4	Trichlorofluoromethane		0.50	U
75-35-4	1,1-Dichloroethene		0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.50	U
67-64-1	Acetone		5.0	U
75-15-0	Carbon disulfide		0.50	U
79-20-9	Methyl acetate		0.50	U
75-09-2	Methylene chloride		0.50	U
156-60-5	trans-1,2-Dichloroethene		0.50	U
1634-04-4	Methyl tert-butyl ether		0.50	U
75-34-3	1,1-Dichloroethane		0.50	U
156-59-2	cis-1,2-Dichloroethene		0.50	U
78-93-3	2-Butanone		5.0	U
74-97-5	Bromochloromethane		0.50	U
67-66-3	Chloroform		0.50	U
71-55-6	1,1,1-Trichloroethane		0.50	U
110-82-7	Cyclohexane		0.50	U
56-23-5	Carbon tetrachloride		0.50	U
71-43-2	Benzene		0.50	U
107-06-2	1,2-Dichloroethane		0.50	U
79-01-6	Trichloroethene		0.50	U
108-87-2	Methylcyclohexane		0.50	U
78-87-5	1,2-Dichloropropane		0.50	U
75-27-4	Bromodichloromethane		0.50	U
10061-01-5	cis-1,3-Dichloropropene		0.50	U
108-10-1	4-Methyl-2-pentanone		5.0	U
108-88-3	Toluene		0.50	U
10061-02-6	trans-1,3-Dichloropropene		0.50	U
79-00-5	1,1,2-Trichloroethane		0.50	U
127-18-4	Tetrachloroethene		0.50	U
591-78-6	2-Hexanone		5.0	U

1B - FORM I VOA-2  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VHBLK5J

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLK5J  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3967.D  
 Level: (TRACE/LOW/MED) LOW Date Received: 12/04/2008  
 % Moisture: not dec. Date Analyzed: 12/12/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 Purge Volume: 25.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
124-48-1	Dibromochloromethane		0.50	U
106-93-4	1,2-Dibromoethane		0.50	U
108-90-7	Chlorobenzene		0.50	U
100-41-4	Ethylbenzene		0.50	U
1330-20-7	Xylenes (Total)		0.50	U
100-42-5	Styrene		0.50	U
75-25-2	Bromoform		0.50	U
98-82-8	Isopropylbenzene		0.50	U
79-34-5	1,1,2,2-Tetrachloroethane		0.50	U
541-73-1	1,3-Dichlorobenzene		0.50	U
106-46-7	1,4-Dichlorobenzene		0.50	U
95-50-1	1,2-Dichlorobenzene		0.50	U
96-12-8	1,2-Dibromo-3-chloropropane		0.50	U
120-82-1	1,2,4-Trichlorobenzene		0.50	U
87-61-6	1,2,3-Trichlorobenzene		0.50	U

1J - FORM I VOA-TIC  
 VOLATILE ORGANICS ANALYSIS DATA SHEET  
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

VHBLK5J

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: VHBLK5J  
 Sample wt/vol: 25.0 (g/mL) ML Lab File ID: V5K3967.D  
 Level: (TRACE or LOW/MED) LOW Date Received: \_\_\_\_\_  
 % Moisture: not dec. Date Analyzed: 12/12/2008  
 GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0  
 Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)  
 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L Purge Volume: 25.0 (mL)

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
E966796 <sup>1</sup>	Total Alkanes	N/A		

<sup>1</sup>EPA-designated Registry Number.

8A - FORM VIII VOA  
VOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: MITKEM LABORATORIES Contract: \_\_\_\_\_  
 Lab Code: MITKEM Case No.: \_\_\_\_\_ Mod. Ref No.: \_\_\_\_\_ SDG No.: MG2261  
 GC Column: DB-624 ID: 0.25 (mm) Init. Calib. Date(s): 12/11/2008 12/11/2008  
 EPA Sample No. (VSTD#####): VSTD0055J Date Analyzed: 12/11/2008  
 Lab File ID (Standard): V5K3946.D Time Analyzed: 14:55  
 Instrument ID: V5 Heated Purge: (Y/N) N

	IS1 (CBZ)			IS2 (DFB)			IS3 (DCB)		
	AREA	#	RT	AREA	#	RT	AREA	#	RT
12 HOUR STD	301026		8.808	475694		5.742	128071		11.537
UPPER LIMIT	421436		9.138	665972		6.072	179299		11.867
LOWER LIMIT	180616		8.478	285416		5.412	76843		11.207
SAMPLE NO.									
01	VBLK5J	299295	8.812	536625		5.735	110169		11.541
02	V5JLCS	308534	8.809	539346		5.743	109971		11.538
03	MW-9S	355887	8.811	601357		5.745	127764		11.540
04	MW-7S	351035	8.813	603724		5.736	125657		11.542
05	MW-5S	341061	8.815	581173		5.737	121893		11.544
06	MW-4S	345186	8.820	583039		5.743	113280		11.538
07	MW-6S	334574	8.814	574234		5.748	122169		11.543
08	FB120408	341238	8.820	594169		5.742	118562		11.537
09	TRIP BLANK	331572	8.819	567266		5.742	113456		11.537
10	MW-8S	310893	8.814	545204		5.736	111583		11.543
11	VHBLK5J	305615	8.814	530711		5.736	109732		11.543

IS1 (CBZ) = Chlorobenzene-d5  
 IS2 (DFB) = 1,4-Difluorobenzene  
 IS3 (DCB) = 1,4-Dichlorobenzene-d4  
 AREA UPPER LIMIT = 200% (Low-Medium Volatiles) and 140% (Trace Volatiles) of internal standard area  
 AREA LOWER LIMIT = 50% (Low-Medium Volatiles) and 60% (Trace Volatiles) of internal standard area  
 RT UPPER LIMIT = +0.50 (Low-Medium Volatiles) and +0.33 (Trace Volatiles) minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 (Low-Medium Volatiles) and -0.33 (Trace Volatiles) minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.

