



engineering and constructing a better tomorrow

March 5, 2010

Mr. Frank Sowers
Project Manager
New York State Department of Environmental Conservation
Region 8 – Division of Environmental Remediation
6274 East Avon-Lima Road
Avon, NY 14414

Subject: **VCA Index # B8-0508-97-02**
Former Taylor Instrument Facility
January & February 2010 Progress Report
MACTEC Project 3031-05-2006

Dear Mr. Sowers:

In accordance with Section II of the Taylor VCA, attached please find the January & February 2010 progress report.

Should you have any questions, please contact me at (865) 588-8544 or RARyan@mactec.com.

Sincerely,

MACTEC Engineering and Consulting, Inc.

Ricky A. Ryan, P.E.
Senior Principal Project Manager
[979]

K. Joe Deatherage
Senior Environmental Engineer

cc: Bart Putzig, NYSDEC (electronic)
James D. Charles, NYSDEC (electronic)
Katherine Comerford, NYSDOH (electronic)
Jeffrey Kosmala, MCHD
Jean McCreary, Nixon Peabody LLP
David McAdams, Thermo Fisher Scientific
Nelson Walter, MACTEC (electronic)
Melody Christopher, ABB (electronic)

Enclosure

RECEIVED
MAR 10 2010
REGION 8 REMED

Progress Report -- January & February 2010

Voluntary Cleanup of Former Taylor Instruments Facility

I. Introduction

In accordance with Section II of the Voluntary Cleanup Agreement (the Agreement) between Combustion Engineering (C-E) and the New York State Department of Environmental Conservation (NYSDEC), Agreement Index Number B8-0508-97-02, MACTEC Engineering and Consulting, Inc. (MACTEC), on behalf of C-E, has prepared this monthly progress report. The progress report is intended to supply information described in Items A.1 through A.5 of Section II of the Agreement.

As the department is aware, C-E and Thermo Fisher Scientific Company (formerly Fisher Scientific LLC) have reached an agreement through which C-E will take the lead on all on-site activities, while Thermo Fisher Scientific will take the lead on all off-site activities.

II. Description of Actions Taken Toward Compliance with Agreement [A.1]

During the reporting period, C-E undertook the following actions towards achieving compliance with the Agreement:

- As recommended in the *Accelerated Bioremediation Pilot Test Final Report*, dated January 4, 2008, the remediation system remained shut down in January & February 2010.
- MACTEC received NYSDEC approval of the *Work Plan for Sub-Slab Vapor and Indoor Air Investigation* via letter dated January 7, 2010.
- MACTEC conducted the fieldwork associated with the above-referenced work plan on February 1 – 3, 2010.
- MACTEC began preparation of a report of the results for the above-referenced investigation.

Thermo Fisher Scientific's activities related to off-site activities in January & February are listed below.

- None.

III. Summary of Sampling and Testing Results [A.2]

Quarterly effluent water samples related to the groundwater remediation system have been routinely collected and reported to Monroe County Pure Waters (MCPW) in accordance with MCPW Sewer Use Permit #861. Effluent sampling has been suspended while the remediation system remains shut down during accelerated bioremediation.

IV. Required Deliverables Submitted [A.3]

- As requested in the NYSDEC letter dated January 7, 2010, MACTEC has included the preliminary analytical results summary received from the laboratory as an attachment to this monthly report.

Progress Report – January & February 2010
Voluntary Cleanup of Former Taylor Instruments Facility

V. Scheduled Future Actions [A.4]

- MACTEC will submit a report of the results for the sub-slab vapor and indoor air investigation conducted in February 2010.
- Following the Department's review of the *Work Plan for Accelerated Bioremediation and Permanent Decommissioning of the Remedial Treatment System*, and resolution of any comments, MACTEC will begin planning for implementation of the work.

VI. Percentage Completion/Delays [A.5]

The following table summarizes percentage completion, expected delays, and mitigative measures for items specified in the Agreement and other major actions. For items prior to calendar year 2003, see monthly progress reports dated June 2003 or earlier.

Item	Status	Delays Anticipated or Encountered	Mitigative Measures, Comments
Final Engineering Report (Final), Mercury and VOC Remediation	100%	Completed.	Document was approved, assignable release and covenant not to sue issued by NYSDEC via letter dated September 2, 2005.
First Quarterly Groundwater Monitoring Report, 2003	100%	Completed.	None.
Second Quarter Groundwater Monitoring Report, 2003	100%	Completed.	None.
Third Quarter Groundwater Monitoring Report, 2003	100%	Completed.	None.
Fourth Quarter Groundwater Monitoring Report, 2003	100%	Completed.	None.
First Period 2004 Semi-Annual Groundwater Monitoring Report	100%	Completed.	None.
Second Period 2004 Semi-Annual Groundwater Monitoring Report	100%	Completed.	None.
Annual Groundwater Monitoring Report, 2005	100%	Completed.	None.
Annual Groundwater Monitoring Report, 2006	100%	Completed.	None.

Progress Report – January & February 2010
Voluntary Cleanup of Former Taylor Instruments Facility

Item	Status	Delays Anticipated or Encountered	Mitigative Measures, Comments
DPVE Remedial System Operation	Shut down	Ongoing.	System operation started in December 2000 and was suspended in May 2006.
Accelerated Bioremediation Pilot Test	100%	Completed.	None.
Soil Vapor Investigation	100%	Completed.	None.
Sub-Slab Vapor & Indoor Air Investigation	90%	Ongoing.	Report of results is in progress.
Work Plan for Accelerated Bioremediation and Permanent Decommissioning of the Remedial Treatment System	100%	None.	Awaiting NYSDEC review comments and/or approval.

VII. Proposed Investigative/Remedial Work Plan Modifications [A.6]

None.

February 24, 2010

Joe Deatherage
Mactec, Inc - TN
9725 Cogdill Road
Knoxville, TN 37932

Project Location: Rochester, New York
Client Job Number:
Project Number: 3031052006.12
Laboratory Work Order Number: 10B0169

Enclosed are results of analyses for samples received by the laboratory on February 8, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Holly L. Folsom
Project Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Mactec, Inc - TN
9725 Cogdill Road
Knoxville, TN 37932
ATTN: Joe Deatherage

REPORT DATE: 2/24/2010

PURCHASE ORDER NUMBER: 201001132

PROJECT NUMBER: 3031052006.12

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10B0169

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Rochester, New York

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SS-04	10B0169-01	Sub Slab		EPA TO-15	
IA-04	10B0169-02	Indoor air		EPA TO-15	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Revised Report on 2/24/10: Canister vacuum readings and batch canister certifications added to report per client request.

EPA TO-15**Qualifications:**

Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

Vinyl Chloride

B010191-BS1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Christopher J. Hall

Project Chemist Supervisor

ANALYTICAL RESULTS

Project Location: Rochester, New York
Date Received: 2/8/2010
Field Sample #: SS-04
Sample ID: 10B0169-01
Sample Matrix: Sub Slab
Sampled: 2/3/2010 16:05

Sample Description/Location:
Sub Description/Location:
Canister ID: 1162
Canister Size:
Flow Controller ID: 3410
Sample Type:

Work Order: 10B0169
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -14
Receipt Vacuum(in Hg): -15
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	2/8/10 15:44	WSD	
Tetrachloroethylene	0.28	0.10		1.9	0.68	2	2/8/10 15:44	WSD	
Trichloroethylene	0.34	0.10		1.8	0.54	2	2/8/10 15:44	WSD	
Vinyl Chloride	ND	0.10		ND	0.26	2	2/8/10 15:44	WSD	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (I)	93.9	70-130	2/8/10 15:44

ANALYTICAL RESULTS

Project Location: Rochester, New York
Date Received: 2/8/2010
Field Sample #: 1A-04
Sample ID: 10B0169-02
Sample Matrix: Indoor air
Sampled: 2/3/2010 16:04

Sample Description/Location:
Sub Description/Location:
Canister ID: 1119
Canister Size:
Flow Controller ID: 3269
Sample Type:

Work Order: 10B0169
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -11
Receipt Vacuum(in Hg): -11
Flow Controller Type:
Flow Controller Calibration
RPD Pre and Post-Sampling.

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
cis-1,2-Dichloroethylene	0.29	0.035		1.1	0.14	0.702	2/8/10 15:03	WSD	
Tetrachloroethylene	0.053	0.035		0.36	0.24	0.702	2/8/10 15:03	WSD	
Trichloroethylene	0.66	0.035		3.5	0.19	0.702	2/8/10 15:03	WSD	
Vinyl Chloride	ND	0.035		ND	0.090	0.702	2/8/10 15:03	WSD	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	94.1	70-130	2/8/10 15:03

Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
10B0169-01 [SS-04]	B010191	1.5	1	N/A	1000	400	300	02/08/10
10B0169-02 [IA-04]	B010191	1.5	1	N/A	1000	400	855	02/08/10

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level	Source	%REC	%REC	RPD	RPD	Flag
	Results	RL	Results	RL	ppbv	Result	%REC	Limits	RPD	Limit	
Batch B010191 - TO-15 Prep											
Blank (B010191-BLK1)					Prepared & Analyzed: 02/08/10						
cis-1,2-Dichloroethylene	ND	0.020									
Tetrachloroethylene	ND	0.020									
Trichloroethylene	ND	0.020									
Vinyl Chloride	ND	0.020									
Surrogate: 4-Bromofluorobenzene (1)	7.48				8.00		93.5	70-130			
LCS (B010191-BS1)					Prepared & Analyzed: 02/08/10						
cis-1,2-Dichloroethylene	5.40				5.00		108	70-130			
Tetrachloroethylene	5.12				5.00		102	70-130			
Trichloroethylene	5.26				5.00		105	70-130			
Vinyl Chloride	7.19				5.00		144 *	70-130			L-0
Surrogate: 4-Bromofluorobenzene (1)	7.55				8.00		94.4	70-130			

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

L-01 Laboratory fortified blank /laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA TO-15 in Air</i>	
cis-1,2-Dichloroethylene	AIHA,FL,NY
Tetrachloroethylene	AIHA,FL,NJ,NY
Trichloroethylene	AIHA,FL,NJ,NY
Vinyl Chloride	AIHA,FL,NJ,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2010
CT	Connecticut Department of Public Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2010
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2010
FL	Florida Department of Health	E871027 NELAP	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	02/23/2011



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AIR SAMPLE CHAIN OF CUSTODY
RECORD

39 SPRUCE ST

EAST LONGMEADOW, MA 01028

Page 2 of 2

Company Name: MACTEC Engineering

Address: 9725 Cogdill Road, Knoxville, TN 37932

KJ Deatherage @ mactec.com

Attention: Rochester, New York

Project Location: Joe Deatherage

Sampled By: B. Shaw / J. Deatherage

Telephone: (65) 218-1049

Project #: 3031052006-12

Client PO #: TBP.

DATA DELIVERY (check one): ☒ FAX ☐ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email: KJ Deatherage @ mactec.com

Format: ☐ EXCEL ☐ PDF ☐ GIS KEY ☐ OTHER

Date Sampled ONLY USE WHEN USING PUMPS

Start Stop Total Flow Rate Volume

Date Time Date Time Minutes M³/Min. or L / Min. Liters or M³ Matrix Code

Field ID	Sample Description	Media	Lab #	Date Time	Date Time	Minutes Sampled	M ³ /Min. or L / Min.	Liters or M ³	Matrix Code	Canister ID	Controlle ID	
(*) ① SS-04	[Handwritten Box]	S	04-01	2-2-10 1540	2-3-10 1605	24 hrs	~4 mL/min	~6L	SS	✓	30-14-15 1662	3410 1119
(*) ① IA-04		S	04-02	2-2-10 1535	2-3-10 1604	24 hrs	~4 mL/min	~6L	IA	✓	30-11-11 1119	3269
	SS-05	S	05	2-2-10 1910	2-3-10 1835	23.5 hrs	~4 mL/min	~6L	SS	✓	30-10-08 1288	3270
	IA-05	S	05	2-2-10 1905	2-3-10 1836	23.5 hrs	~4 mL/min	~6L	IA	✓	30-06-12 1886	3398
	AA-03	S	03	2-2-10 1735	2-3-10 1841	24 hrs	~4 mL/min	~6L	AMB	✓	29-05-10 1092	3413
[Handwritten Signature]												
(*) Analyze for Joe D. HF 2/8/10												

* Analyze for Joe D. HF 2/8/10

Laboratory Comments:

① Hold these samples per client request; MACTEC will inform client for further action TBP.

** Please provide summary canister certification, per request.

Relinquished by: (signature)

Date/Time: 02-03-2010

Received by: (signature)

Date/Time: 2/14/10 12:15

Relinquished by: (signature)

Date/Time:

Received by: (signature)

Date/Time:

Turnaround **

- ☐
- 7-Day
-
- ☐
- 10-Day
-
- ☐
- Other

RUSH *

☒ *24-Hr ☐ *48-Hr☐ *72-Hr ☐ *4-Day

*Approval Required

CLIENT COMMENTS:

TLE = trichloroethene; VC = vinyl chloride
PCE = tetrachloroethene; DE = dichloroethenereturned (3)
unused Summary

Special Requirements

Regulations:

Data Enhancement/VCP? ☐ Y ☐ NEnhanced Data Package ☐ Y ☐ N

(Surcharge Applies)

Required Detection Limits:

Other: Analyze TO-15 for the 64 compounds listed above.

*Matrix Code:

SG = SOIL GAS

IA = INDOOR AIR

AMB = AMBIENT

SS = SUB SLAB

D = DUP

BL = BLANK

O = other

**Media Codes:

S = summary can

TB = tedlar bag

P = PUF

T = tube

F = filter

C = cassette

O = Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

A114 NFI AC & WREMBE Certified



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Fax: 413-525-6405
Email: info@contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST
EAST LONGMEADOW, MA 01028

Page 1 of 2

Company Name: MATEL Engineering
Address: 9725 Cogdill Road, Knoxville, TN 37932
Attention: Joe Deatherage
Project Location: Rochester, New York
Sampled By: BAS / JD

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Telephone: (865) 218-1049
Project # 3031052006.12
Client PO # TBP

DATA DELIVERY (check one): **
☐ FAX ☐ EMAIL ☐ WEBSITE CLIENT
Fax #:
Email: KJ Deatherage @ matedec.com
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY ☐ OTHER

Date Sampled ONLY USE WHEN USING PUMPS

Start	Stop	Total	Flow Rate	Volume
Date Time	Date Time	Minutes Sampled	M ³ /Min. or L/Min.	Liters or M ³
2-1-10 1625	2-2-10 1715	724hrs	~4 m ³ /min	~6 L
2-1-10 1624	2-2-10 1710	724hrs	1	~6 L
2-1-10 1856	2-2-10 1758	~23hrs		~6 L
2-1-10 1857	2-2-10 1758	~23hrs		~6 L
2-1-10 1705	2-2-10 1755	724hrs		~6 L
2-2-10 1021	02-3-10 1037	~24hrs		~6 L
2-2-10 1020	2-3-10 1035	~24hrs		~6 L

ANALYSIS REQUESTED		Hg		Please fill out completely, sign, date and retain the yellow copy for your record.	
Field ID	Sample Description	Media	Lab #	Summa Canister ID	Flow Controller ID
SS-01	OT	S	OT	1291	-3073
IA-01	OT	S	OT	1108	-3098
SS-02	OT	S	OT	1807	-3265
IA-02	OT	S	OT	1846	-3175
AA-02	OT	S	OT	1134	-3434
SS-03	OT	S	OT	1249	-3013
IA-03	OT	S	OT	1492	-3256
IA-03dup	OT	S	OT	1866	-3401

Proposal Provided? (For Billing purposes)

☐ yes ☐ no proposal date

Field ID	Sample Description	Media	Lab #	Date Time	Date Time	Minutes Sampled	Flow Rate	Volume	Matrix Code	Summa Canister ID	Flow Controller ID
SS-01	OT	S	OT	2-1-10 1625	2-2-10 1715	724hrs	~4 m ³ /min	~6 L	SS	1291	-3073
IA-01	OT	S	OT	2-1-10 1624	2-2-10 1710	724hrs	1	~6 L	IA	1108	-3098
SS-02	OT	S	OT	2-1-10 1856	2-2-10 1758	~23hrs		~6 L	SS	1807	-3265
IA-02	OT	S	OT	2-1-10 1857	2-2-10 1758	~23hrs		~6 L	IA	1846	-3175
AA-02	OT	S	OT	2-1-10 1705	2-2-10 1755	724hrs		~6 L	AMB	1134	-3434
SS-03	OT	S	OT	2-2-10 1021	02-3-10 1037	~24hrs		~6 L	SS	1249	-3013
IA-03	OT	S	OT	2-2-10 1020	2-3-10 1035	~24hrs		~6 L	IA	1492	-3256
IA-03dup	OT	S	OT	2-2-10 1020	2-3-10 1035	~24hrs		~6 L	IA	1866	-3401

Laboratory Comments:

** Please provide Summa canisters certification sheets, per request.

CLIENT COMMENTS:
VC = Vinyl chloride; TCE = Trichloroethene
PCE = Tetrachloroethene; DCE = dichloroethene
returned (3) unused Summa's;

Relinquished by: (signature)	Date/Time: 02-03-10	Turnaround ** ☐ 7-Day ☐ 10-Day ☐ Other RUSH * ☒ *24-Hr ☐ *48-Hr ☐ *72-Hr ☐ *4-Day *Approval Required	Special Requirements Regulations: Data Enhancement/RCP? ☐ Y ☒ N Enhanced Data Package ☐ Y ☒ N (Surcharge Applies) Required Detection Limits: 0.1 µg/m ³ = SG Other: *Analyze TO-15 for (4) compounds listed above.	*Matrix Code: SG = SOIL GAS IA = INDOOR AIR AMB = AMBIENT SS = SUB SLAB D = DUP BL = BLANK O = other	**Media Codes: S = Summa can TB = tedar bag P = PUF T = tube F = filter C = cassette O = Other
------------------------------	---------------------	---	---	---	---

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.



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Page 1 of 2

Company Name: MATEL Engineering
Address: 9725 Cogdill Road, Knoxville, TN 37932
KJ Deatherage@matec.comTelephone: (865) 218-1049
Project # 3031052006.12
Client PO # TBPAttention: Joe Deatherage
Project Location: Rochester, New York
Sampled By: BAS / JD

Proposal Provided? (For Billing purposes)

☐ yes ☐ no proposal date

Field ID	Sample Description	Media	Lab #	Date		Minutes Sampled	Flow Rate M ³ /Min. or L / Min.	Volume Liters or M ³	Matrix Code*	ANALYSIS REQUESTED				Summa Canister ID		Flow Controller ID
				Start Time	Stop Time											
	SS-01	S	01	2-1-10 1625	2-2-10 1715	724hrs	~4 m ³ /min	~6 L	SS	✓	✓	✓	✓	30 ⁺ -13-12	1291	-3073
	IA-01	S	02	2-1-10 1624	2-2-10 1710	724hrs	1	~6 L	IA	✓	✓	✓	✓	30 ⁺ -13-12	1108	-3098
	SS-02	S	03	2-1-10 1856	2-2-10 1758	~23hrs		~6 L	SS	✓	✓	✓	✓	30 ⁺ -10-11	1807	-3265
	IA-02	S	04	2-1-10 1857	2-2-10 1758	~23hrs		~6 L	IA	✓	✓	✓	✓	30 ⁺ -6-5	1846	-3175
	AA-02	S	05	2-1-10 1705	2-2-10 1755	724hrs		~6 L	AMB	✓	✓	✓	✓	29-8-7	1134	-3434
	SS-03	S	06	2-2-10 1021	02-3-10 1037	~24hrs		~6 L	SS	✓	✓	✓	✓	28 ⁺ -13-13	1249	-3013
	IA-03	S	07	2-2-10 1020	2-3-10 1035	~24hrs		~6 L	IA	✓	✓	✓	✓	30 ⁺ -12-11	1492	-3256
	IA-03dup	S	08	2-2-10 1020	2-3-10 1035	~24hrs		~6 L	IA	✓	✓	✓	✓	30 ⁺ -11-12	1866	-3401

Laboratory Comments:

CLIENT COMMENTS:
VC = Vinyl chloride; TCE = trichloroethene / returned (3)
PCE = Tetrachloroethene; DCE = dichloroethene / unused samples;

** Please provide Summa canisters certification sheets, per request.

Relinquished by: (signature)	Date/Time: 02-03-10	Turnaround ** ☐ 7-Day ☐ 10-Day ☐ Other RUSH * ☒ *24-Hr ☐ *48-Hr ☐ *72-Hr ☐ *4-Day *Approval Required	Special Requirements Regulations: _____ Data Enhancement/RCP? ☐ Y ☒ N Enhanced Data Package ☐ Y ☒ N 0.25 M ³ /min (Surcharge Applies) Required Detection Limits ☒ 1 µg/m ³ = SG Other: <u>ANALYZE TO-15 FOR (4) compounds listed above.</u>	*Matrix Code: SG = SOIL GAS IA = INDOOR AIR AMB = AMBIENT SS = SUB SLAB D = DUP BL = BLANK O = other	**Media Codes: S = Summa can TB = tedlar bag P = PUF T = tube F = filler C = cassette O = Other
Received by: (signature)	Date/Time: 2/1/10 12:15				
Relinquished by: (signature)	Date/Time:				
Received by: (signature)	Date/Time:				

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT



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Page 2 of 2

Company Name: MACTEL Engineering

Address: 9725 Cogdill Road, Knoxville, TN 37932

KJ Deatherage @ mactel.com

Attention: Rochester, New York

Project Location: Joe Deatherage

Sampled By: B. Shaw / J. Deatherage

Telephone: (65) 218-1049

Project #: 3031052006.12

Client PO #: TBP.

DATA DELIVERY (check one): ☒ FAX ☐ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email: KJ Deatherage @ mactel.com

Format: ☐ EXCEL ☐ PDF ☐ GIS KEY ☐ OTHER

Date Sampled

ONLY USE WHEN USING PUMPS

Start

Stop

Total

Flow Rate

Volume

Matrix

Code

Date Time

Date Time

Minutes Sampled

M³/Min. or L/Min.Liters or M³

Matrix Code

Field ID	Sample Description	Media	Lab #	Date Time	Date Time	Minutes Sampled	M ³ /Min. or L/Min.	Liters or M ³	Matrix Code
① SS-04	SS-04	S	09	2-2-10 1540	2-3-10 1605	~24 hrs	~4 mL/min	~6 L	SS
① IA-04	IA-04	S	10	2-2-10 1535	2-3-10 1604	~24 hrs	~4 mL/min	~6 L	IA
SS-05	SS-05	S	11	2-2-10 1910	2-3-10 1835	2.5 hrs	~4 mL/min	~6 L	SS
IA-05	IA-05	S	12	2-2-10 1905	2-3-10 1836	2.5 hrs	~4 mL/min	~6 L	IA
AA-03	AA-03	S	13	2-2-10 1755	2-3-10 1841	~24 hrs	~4 mL/min	~6 L	AMB

Laboratory Comments:

① Hold these samples per client request; MACTEL will inform Cont.

** Please provide summa canister certification, per request, per further action TBP

CLIENT COMMENTS:

TCE = trichloroethene; VC = vinyl chloride

PUE = tetrachloroethene; DCE = dichloroethene

returned (3)
unused Summa;

Relinquished by: (signature)

Date/Time:

02-03-2010.

Received by: (signature)

Date/Time:

2/11/10 12:15

Relinquished by: (signature)

Date/Time:

Received by: (signature)

Date/Time:

Turnaround **

☐ 7-Day☐ 10-Day☐ Other

RUSH *

☒ *24-Hr ☐ *48-Hr☐ *72-Hr ☐ *4-Day

*Approval Required

Special Requirements

Regulations:

Data Enhancement/RCP? ☐ Y ☐ NEnhanced Data Package ☐ Y ☐ N

(Surcharge Applies)

Required Detection Limits:

Other: Analyze TO-15 for the

compounds listed above

Matrix Code:

SG= SOIL GAS

IA= INDOOR AIR

AMB=AMBIENT

SS= SUB SLAB

D= DUP

BL= BLANK

O= other

Media Codes:

S=summa can

TB=tedlar bag

P=PUF

T=tube

F= filter

C=cassette

O= Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WRF/DRF Certified

 Print page | C


Detailed Results

Tracking no.: 869248361623

Select time format: 12H

Delivered

 Delivered
 Signed for by: D.DONATI

Shipment Dates

Destination

Ship date Feb 3, 2010

Signature Proof of Delivery

Delivery date Feb 4, 2010 12:15 PM

Shipment Facts

Service type	Standard Overnight	Delivered to	Shipping/Receiving
Weight	33.0 lbs/15.0 kg	Reference	3031052006-12

Shipment Travel History

Select time zone: Local Scan Time

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Feb 4, 2010 12:15 PM	Delivered		
Feb 4, 2010 7:49 AM	On FedEx vehicle for delivery	WINDSOR LOCKS, CT	
Feb 4, 2010 7:36 AM	At local FedEx facility	WINDSOR LOCKS, CT	
Feb 4, 2010 6:04 AM	At dest sort facility	EAST GRANBY, CT	
Feb 4, 2010 3:07 AM	Departed FedEx location	MEMPHIS, TN	
Feb 3, 2010 11:22 PM	Arrived at FedEx location	MEMPHIS, TN	
Feb 3, 2010 9:11 PM	Left FedEx origin facility	ROCHESTER, NY	
Feb 3, 2010 3:00 PM	Picked up	ROCHESTER, NY	



www.confestlabs.com

39 Spruce Street
East Longmeadow, MA
Phone: 1-413-525-2332
Fax: 1-413-525-6405

AIR ONLY RECEIPT CHECKLIST

CLIENT NAME: mactec Eng
RECEIVED BY: ka DATE: 2/4/10

1. Was chain of custody relinquished and signed? YES NO
2. Does Chain agree with samples? YES NO

If not, explain:

3. All Samples in good condition? YES NO

If not, explain:

4. Are there any on hold samples? YES NO STORED WHERE: Air Lab

5. ARE THERE ANY RUSH OR SHORT HOLDING TIME SAMPLES? WHO WAS NOTIFIED? B.D. DATE 2/4 TIME 12:20

Location where samples are stored:

Air Lab

Permission to sub-contract samples? Yes No (circle)
(Walk in clients only) if not already approved.
Client Signature _____

CONTAINERS SENT TO CON-TEST	# of containers
Summa cans	16
Tedlar Bags	
Regulators	16
Restrictors	
Tubes	
Other	

1. Was all media (used & unused) checked into the WASP asset management program?
2. Were all returned summa cans, restrictors, & regulators documented as returned in the AIR Lab Outbound excel sheet?
3. Were the Lab ID's documented in the Air Lab Outbound excel sheet?
4. Was the job documented in the Air Lab Log-In Access Database?

Laboratory comments:

Holly L. Folsom

From: "Tim Kelley" <tkelley@contestlabs.com>
To: "Holly Folsom" <hfolsom@contestlabs.com>
Sent: Monday, February 08, 2010 9:09 AM
Subject: Fwd: Samples on Hold

Please take care of this. I missed this on Friday. I will let the air lab know

----- Original Message -----

Subject: Samples on Hold

Date: Fri, 5 Feb 2010 08:18:19 -0500

From: Deatherage, Joe <KJDeatherage@mactec.com>

To: Tim Kelley <tkelley@contestlabs.com>

Tim, for samples SS-04 and 1A-04, which we asked you to hold, please go ahead and run these on a 24-hr turn.

Also to clarify, for reporting limits we need 1 ug/m3 on sub-slab (SS) and 0.25 ug/m3 on indoor and ambient outdoor air (IA and AA).

Thanks,

Joe Deatherage, P.E.

Senior Engineer

MACTEC Engineering and Consulting, Inc.

(865) 218-1049



Air Sampling Media Certificate of Analysis

Company Name: MACTEC-TN Project Reference: 3031052006.12

Contact Name: Joe Deatherage Date Analyzed: 1/21/10

Certification Type: *Batch Certified* ☒ *Individual Certified* ☐

Media Type: *Summa Canister* ☒ *Tubes* ☐
Flow Controllers ☐ *Other* ☐

Media IDs: BC1055 BC1886

Note: *Two ID's grouped together, for example BC1136/BC3145, represents matched pairs of certified summa canisters and flow controllers.*

Units: PPBv ☒ Ug/M3 ☐ Ng ☐ Other ☐

<0.04	Propylene	<0.02	c-1,2-Dichloroethylene	<0.02	Toluene
<0.02	Dichlorodifluoromethane	<0.02	Vinyl acetate	<0.02	2-Hexanone (MBK)
<0.02	Chloromethane	<0.02	Hexane	<0.02	Dibromochloromethane
<0.02	Freon 114	<0.02	Ethyl acetate	<0.02	1,2-Dibromomethane
<0.02	Vinyl chloride	<0.02	Chloroform	<0.02	Tetrachloroethylene
<0.02	1,3-Butadiene	<0.02	Tetrahydrofuran	<0.02	Chlorobenzene
<0.02	Bromomethane	<0.02	1,2-Dichloroethylene	<0.02	Ethylbenzene
<0.02	Chloroethane	<0.02	1,1,1-Trichloroethane	<0.04	m,p-Xylenes
0.11	Acetone	<0.02	Benzene	<0.02	Bromoform
<0.02	Trichlorofluoromethane	<0.02	Carbon Tetrachloride	<0.02	Styrene
<0.08	Ethanol	<0.02	Cyclohexane	<0.02	o-Xylene
<0.02	1,1-Dichloroethylene	<0.02	1,2-Dichloropropane	<0.02	1,1,2,2-Tetrachloroethane
0.13	Methylene chloride	<0.02	Bromodichloromethane	<0.02	4-Ethyltoluene
<0.02	Freon 113	<0.02	Trichloroethylene	<0.02	1,3,5-Trimethylbenzene
<0.02	Carbon disulfide	<0.02	1,4-Dioxane	<0.02	1,2,4-Trimethylbenzene
<0.02	t-1,2-Dichloroethylene	<0.02	Heptane	<0.02	1,3-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	MIBK	<0.02	Benzyl chloride
<0.02	Methyl tert-butyl Ether	<0.02	c-1,3-Dichloropropylene	<0.02	1,4-Dichlorobenzene
<0.02	Isopropanol	<0.02	t-1,3-Dichloropropylene	<0.02	1,2-Dichlorobenzene
0.04	2-Butanone (MEK)	<0.02	1,1,2-Trichloroethylene	<0.02	1,2,4-Trichlorobenzene
				<0.02	Hexachlorobutadiene

Special Notes: _____

Analyst Initials/Date: TPH 2-22-10



Air Sampling Media Certificate of Analysis

Company Name: MACTEC-TN Project Reference: 3031052006.12

Contact Name: Joe Deatherage Date Analyzed: 1/20/10

Certification Type: *Batch Certified* ☒ *Individual Certified* ☐

Media Type: *Summa Canister* ☒ *Tubes* ☐
Flow Controllers ☐ *Other* ☐

Media IDs:	<u>BC1846</u>	<u>BC1807</u>	<u>BC1108</u>
	<u>BC1119</u>	<u>BC1662</u>	<u>BC1291</u>
	<u>BC1288</u>		

Note: *Two ID's grouped together, for example BC1136/BC3145, represents matched pairs of certified summa canisters and flow controllers.*

Units: PPBv ☒ Ug/M3 ☐ Ng ☐ Other ☐

<0.08	Propylene	<0.02	c-1,2-Dichloroethylene	<0.02	Toluene
<0.02	Dichlorodifluoromethane	<0.04	Vinyl acetate	<0.02	2-Hexanone (MBK)
<0.02	Chloromethane	<0.02	Hexane	<0.02	Dibromochloromethane
<0.02	Freon 114	<0.02	Ethyl acetate	<0.02	1,2-Dibromomethane
<0.02	Vinyl chloride	<0.02	Chloroform	<0.02	Tetrachloroethylene
<0.02	1,3-Butadiene	<0.02	Tetrahydrofuran	<0.02	Chlorobenzene
<0.02	Bromomethane	<0.02	1,2-Dichloroethylene	<0.02	Ethylbenzene
<0.02	Chloroethane	<0.02	1,1,1-Trichloroethane	<0.04	m,p-Xylenes
0.31	Acetone	<0.02	Benzene	<0.02	Bromoform
<0.02	Trichlorofluoromethane	<0.02	Carbon Tetrachloride	<0.02	Styrene
0.26	Ethanol	<0.02	Cyclohexane	<0.02	o-Xylene
<0.02	1,1-Dichloroethylene	<0.02	1,2-Dichloropropane	<0.02	1,1,2,2-Tetrachloroethane
0.34	Methylene chloride	<0.02	Bromodichloromethane	<0.02	4-Ethyltoluene
<0.02	Freon 113	<0.02	Trichloroethylene	<0.02	1,3,5-Trimethylbenzene
<0.02	Carbon disulfide	<0.02	1,4-Dioxane	<0.02	1,2,4-Trimethylbenzene
<0.02	t-1,2-Dichloroethylene	<0.02	Heptane	<0.02	1,3-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	MIBK	<0.02	Benzyl chloride
<0.02	Methyl tert-butyl Ether	<0.02	c-1,3-Dichloropropylene	<0.02	1,4-Dichlorobenzene
<0.04	Isopropanol	<0.02	t-1,3-Dichloropropylene	<0.02	1,2-Dichlorobenzene
0.02	2-Butanone (MEK)	<0.02	1,1,2-Trichloroethylene	<0.04	1,2,4-Trichlorobenzene
				<0.04	Hexachlorobutadiene

Special Notes:

Analyst Initials/Date: TPH 2-22-10



Air Sampling Media Certificate of Analysis

Company Name: MACTEC-TN Project Reference: 3031052006.12

Contact Name: Joe Deatherage Date Analyzed: 1/21/10

Certification Type: *Batch Certified* ☒ *Individual Certified* ☐

Media Type: *Summa Canister* ☒ *Tubes* ☐
Flow Controllers ☐ *Other* ☐

Media IDs:	<u>BC1866</u>	<u>BC1249</u>	<u>BC1134</u>
	<u>BC1175</u>	<u>BC1092</u>	<u>BC1492</u>
	<u>BC1252</u>		

Note: *Two ID's grouped together, for example BC1136/BC3145, represents matched pairs of certified summa canisters and flow controllers.*

Units: PPBv ☒ Ug/M3 ☐ Ng ☐ Other ☐

<0.08	Propylene	<0.02	c-1,2-Dichloroethylene	<0.02	Toluene
<0.02	Dichlorodifluoromethane	<0.04	Vinyl acetate	<0.02	2-Hexanone (MBK)
<0.02	Chloromethane	<0.02	Hexane	<0.02	Dibromochloromethane
<0.02	Freon 114	<0.02	Ethyl acetate	<0.02	1,2-Dibromomethane
<0.02	Vinyl chloride	<0.02	Chloroform	<0.02	Tetrachloroethylene
<0.02	1,3-Butadiene	<0.02	Tetrahydrofuran	<0.02	Chlorobenzene
<0.02	Bromomethane	<0.02	1,2-Dichloroethylene	<0.02	Ethylbenzene
<0.02	Chloroethane	<0.02	1,1,1-Trichloroethane	<0.04	m,p-Xylenes
0.40	Acetone	<0.02	Benzene	<0.02	Bromoform
<0.02	Trichlorofluoromethane	<0.02	Carbon Tetrachloride	<0.02	Styrene
0.24	Ethanol	<0.02	Cyclohexane	<0.02	o-Xylene
<0.02	1,1-Dichloroethylene	<0.02	1,2-Dichloropropane	<0.02	1,1,2,2-Tetrachloroethane
0.38	Methylene chloride	<0.02	Bromodichloromethane	<0.02	4-Ethyltoluene
<0.02	Freon 113	<0.02	Trichloroethylene	<0.02	1,3,5-Trimethylbenzene
<0.02	Carbon disulfide	<0.02	1,4-Dioxane	<0.02	1,2,4-Trimethylbenzene
<0.02	t-1,2-Dichloroethylene	<0.02	Heptane	<0.02	1,3-Dichlorobenzene
<0.02	1,1-Dichloroethane	<0.02	MBK	<0.02	Benzyl chloride
<0.02	Methyl tert-butyl Ether	<0.02	c-1,3-Dichloropropylene	<0.02	1,4-Dichlorobenzene
<0.04	Isopropanol	<0.02	t-1,3-Dichloropropylene	<0.02	1,2-Dichlorobenzene
0.04	2-Butanone (MEK)	<0.02	1,1,2-Trichloroethylene	<0.04	1,2,4-Trichlorobenzene
				<0.04	Hexachlorobutadiene

Special Notes: _____

Analyst Initials/Date: TPH 2-22-10

February 5, 2010

Joe Deatherage
Mactec, Inc - TN
9725 Cogdill Road
Knoxville, TN 37932

Project Location: Rochester, New York
Client Job Number:
Project Number: 3031052006.12
Laboratory Work Order Number: 10B0091

Enclosed are results of analyses for samples received by the laboratory on February 4, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Holly L. Folsom
Project Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Mactec, Inc - TN
9725 Cogdill Road
Knoxville, TN 37932
ATTN: Joe Deatherage

REPORT DATE: 2/5/2010

PURCHASE ORDER NUMBER: 200912351

PROJECT NUMBER: 3031052006.12

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10B0091

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Rochester, New York

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SS-01	10B0091-01	Sub Slab		EPA TO-15	
IA-01	10B0091-02	Indoor air		EPA TO-15	
SS-02	10B0091-03	Sub Slab		EPA TO-15	
IA-02	10B0091-04	Indoor air		EPA TO-15	
AA-02	10B0091-05	Ambient Air		EPA TO-15	
SS-03	10B0091-06	Sub Slab		EPA TO-15	
IA-03	10B0091-07	Indoor air		EPA TO-15	
IA-03 Dup	10B0091-08	Indoor air		EPA TO-15	
SS-05	10B0091-11	Sub Slab		EPA TO-15	
IA-05	10B0091-12	Indoor air		EPA TO-15	
AA-03	10B0091-13	Ambient Air		EPA TO-15	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Michael A. Erickson
Laboratory Director



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Rochester, New York
Date Received: 2/4/2010
Field Sample #: SS-01
Sample ID: 10B0091-01
Sample Matrix: Sub Slab
Sampled: 2/2/2010 17:15

Sample Description/Location:
Sub Description/Location:
Canister ID: 1291
Canister Size: 6 liter
Flow Controller ID: 3073
Sample Type: 24 hr

Work Order: 10B0091
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -13
Receipt Vacuum(in Hg): -12
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time	Analyst
	Results	RL		Results	RL		Analyzed	
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	2/4/10 20:00	XC
Tetrachloroethylene	0.92	0.10		6.3	0.68	2	2/4/10 20:00	XC
Trichloroethylene	13	0.10		71	0.54	2	2/4/10 20:00	XC
Vinyl Chloride	ND	0.10		ND	0.26	2	2/4/10 20:00	XC

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	103	70-130	2/4/10 20:00

ANALYTICAL RESULTS

Project Location: Rochester, New York
Date Received: 2/4/2010
Field Sample #: 1A-01
Sample ID: 10B0091-02
Sample Matrix: Indoor air
Sampled: 2/2/2010 17:10

Sample Description/Location:
Sub Description/Location:
Canister ID: 1108
Canister Size: 6 liter
Flow Controller ID: 3098
Sample Type: 24 hr

Work Order: 10B0091
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -13
Receipt Vacuum(in Hg): -12
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
cis-1,2-Dichloroethylene	0.049	0.035		0.19	0.14	0.702	2/4/10 16:19	XC	
Tetrachloroethylene	ND	0.035		ND	0.24	0.702	2/4/10 16:19	XC	
Trichloroethylene	0.12	0.035		0.66	0.19	0.702	2/4/10 16:19	XC	
Vinyl Chloride	ND	0.035		ND	0.090	0.702	2/4/10 16:19	XC	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	102	70-130	2/4/10 16:19

ANALYTICAL RESULTS

Project Location: Rochester, New York
Date Received: 2/4/2010
Field Sample #: SS-02
Sample ID: 10B0091-03
Sample Matrix: Sub Slab
Sampled: 2/2/2010 17:58

Sample Description/Location:
Sub Description/Location:
Canister ID: 1807
Canister Size: 6 liter
Flow Controller ID: 3265
Sample Type: 23 hr

Work Order: 10B0091
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -11
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time	
	Results	RL		Results	RL		Analyzed	Analyst
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	2/4/10 21:19	XC
Tetrachloroethylene	0.33	0.10		2.2	0.68	2	2/4/10 21:19	XC
Trichloroethylene	ND	0.10		ND	0.54	2	2/4/10 21:19	XC
Vinyl Chloride	ND	0.10		ND	0.26	2	2/4/10 21:19	XC

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.8	70-130	2/4/10 21:19

ANALYTICAL RESULTS

Project Location: Rochester, New York
Date Received: 2/4/2010
Field Sample #: 1A-02
Sample ID: 10B0091-04
Sample Matrix: Indoor air
Sampled: 2/2/2010 17:58

Sample Description/Location:
Sub Description/Location:
Canister ID: 1846
Canister Size: 6 liter
Flow Controller ID: 3175
Sample Type: 23 hr

Work Order: 10B0091
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -5
Flow Controller Type: Fixed-On/Off
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	2/4/10	14:50	XC
Tetrachloroethylene	ND	0.035		ND	0.24	0.702	2/4/10	14:50	XC
Trichloroethylene	ND	0.035		ND	0.19	0.702	2/4/10	14:50	XC
Vinyl Chloride	ND	0.035		ND	0.090	0.702	2/4/10	14:50	XC

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	86.7	70-130	2/4/10 14:50

ANALYTICAL RESULTS

Project Location: Rochester, New York
Date Received: 2/4/2010
Field Sample #: AA-02
Sample ID: 10B0091-05
Sample Matrix: Ambient Air
Sampled: 2/2/2010 17:55

Sample Description/Location:
Sub Description/Location:
Canister ID: 1134
Canister Size: 6 liter
Flow Controller ID: 3434
Sample Type: 24 hr

Work Order: 10B0091
Initial Vacuum(in Hg): -29
Final Vacuum(in Hg): -8
Receipt Vacuum(in Hg): -7
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		
	Results	RL		Results	RL		Analyzed	Analyst	
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	2/4/10	15:33	XC
Tetrachloroethylene	ND	0.035		ND	0.24	0.702	2/4/10	15:33	XC
Trichloroethylene	ND	0.035		ND	0.19	0.702	2/4/10	15:33	XC
Vinyl Chloride	ND	0.035		ND	0.090	0.702	2/4/10	15:33	XC

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	106	70-130	2/4/10 15:33



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Rochester, New York
Date Received: 2/4/2010
Field Sample #: SS-03
Sample ID: 10B0091-06
Sample Matrix: Sub Slab
Sampled: 2/3/2010 10:37

Sample Description/Location:
Sub Description/Location:
Canister ID: 1249
Canister Size: 6 liter
Flow Controller ID: 3013
Sample Type: 24 hr

Work Order: 10B0091
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -13
Receipt Vacuum(in Hg): -13
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	2/4/10 21:59	XC	
Tetrachloroethylene	0.12	0.10		0.79	0.68	2	2/4/10 21:59	XC	
Trichloroethylene	ND	0.10		ND	0.54	2	2/4/10 21:59	XC	
Vinyl Chloride	ND	0.10		ND	0.26	2	2/4/10 21:59	XC	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	95.7	70-130	2/4/10 21:59

ANALYTICAL RESULTS

Project Location: Rochester, New York
Date Received: 2/4/2010
Field Sample #: 1A-03
Sample ID: 10B0091-07
Sample Matrix: Indoor air
Sampled: 2/3/2010 10:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 1492
Canister Size: 6 liter
Flow Controller ID: 3256
Sample Type: 24 hr

Work Order: 10B0091
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -12
Receipt Vacuum(in Hg): -11
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	2/4/10 17:04	XC	
Tetrachloroethylene	0.31	0.035		2.1	0.24	0.702	2/4/10 17:04	XC	
Trichloroethylene	ND	0.035		ND	0.19	0.702	2/4/10 17:04	XC	
Vinyl Chloride	ND	0.035		ND	0.090	0.702	2/4/10 17:04	XC	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	94.8	70-130	2/4/10 17:04

ANALYTICAL RESULTS

Project Location: Rochester, New York
Date Received: 2/4/2010
Field Sample #: 1A-03 Dup
Sample ID: 10B0091-08
Sample Matrix: Indoor air
Sampled: 2/3/2010 10:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 1866
Canister Size: 6 liter
Flow Controller ID: 3409
Sample Type: 24 hr

Work Order: 10B0091
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -11
Receipt Vacuum(in Hg): -12
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time	
	Results	RL		Results	RL		Analyzed	Analyst
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	2/4/10 17:49	XC
Tetrachloroethylene	0.32	0.035		2.1	0.24	0.702	2/4/10 17:49	XC
Trichloroethylene	ND	0.035		ND	0.19	0.702	2/4/10 17:49	XC
Vinyl Chloride	ND	0.035		ND	0.090	0.702	2/4/10 17:49	XC

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	100	70-130	2/4/10 17:49

ANALYTICAL RESULTS

Project Location: Rochester, New York
Date Received: 2/4/2010
Field Sample #: SS-05
Sample ID: 10B0091-11
Sample Matrix: Sub Slab
Sampled: 2/3/2010 18:35

Sample Description/Location:
Sub Description/Location:
Canister ID: 1288
Canister Size: 6 liter
Flow Controller ID: 3270
Sample Type: 23 hr

Work Order: 10B0091
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -10
Receipt Vacuum(in Hg): -8
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
cis-1,2-Dichloroethylene	ND	0.10		ND	0.40	2	2/4/10 22:39	XC	
Tetrahaloroethylene	0.11	0.10		0.73	0.68	2	2/4/10 22:39	XC	
Trichloroethylene	ND	0.10		ND	0.54	2	2/4/10 22:39	XC	
Vinyl Chloride	ND	0.10		ND	0.26	2	2/4/10 22:39	XC	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	97.1	70-130	2/4/10 22:39



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ANALYTICAL RESULTS

Project Location: Rochester, New York
Date Received: 2/4/2010
Field Sample #: 1A-05
Sample ID: 10B0091-12
Sample Matrix: Indoor air
Sampled: 2/3/2010 18:36

Sample Description/Location:
Sub Description/Location:
Canister ID: 1886
Canister Size: 6 liter
Flow Controller ID: 3398
Sample Type: 23 hr

Work Order: 10B0091
Initial Vacuum(in Hg): -30
Final Vacuum(in Hg): -6
Receipt Vacuum(in Hg): -12
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time	
	Results	RL		Results	RL		Analyzed	Analyst
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	2/4/10 18:35	XC
Tetrachloroethylene	0.10	0.035		0.69	0.24	0.702	2/4/10 18:35	XC
Trichloroethylene	ND	0.035		ND	0.19	0.702	2/4/10 18:35	XC
Vinyl Chloride	ND	0.035		ND	0.090	0.702	2/4/10 18:35	XC

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	108	70-130	2/4/10 18:35



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ANALYTICAL RESULTS

Project Location: Rochester, New York
 Date Received: 2/4/2010
 Field Sample #: AA-03
 Sample ID: 10B0091-13
 Sample Matrix: Ambient Air
 Sampled: 2/3/2010 18:41

Sample Description/Location:
 Sub Description/Location:
 Canister ID: 1092
 Canister Size: 6 liter
 Flow Controller ID: 3413
 Sample Type: 24 hr

Work Order: 10B0091
 Initial Vacuum(in Hg): -29
 Final Vacuum(in Hg): -5
 Receipt Vacuum(in Hg): -10
 Flow Controller Type: Fixed-Orifice
 Flow Controller Calibration
 RPD Pre and Post-Sampling:

EPA TO-15

Analyte	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL		Results	RL		Analyzed		
cis-1,2-Dichloroethylene	ND	0.035		ND	0.14	0.702	2/4/10 19:20	XC	
Tetrachloroethylene	0.046	0.035		0.31	0.24	0.702	2/4/10 19:20	XC	
Trichloroethylene	ND	0.035		ND	0.19	0.702	2/4/10 19:20	XC	
Vinyl Chloride	ND	0.035		ND	0.090	0.702	2/4/10 19:20	XC	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	93.6	70-130	2/4/10 19:20

Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
10B0091-01 [SS-01]	B010092	1.5	1	N/A	1000	400	300	02/04/10
10B0091-02 [1A-01]	B010092	1.5	1	N/A	1000	400	855	02/04/10
10B0091-03 [SS-02]	B010092	1.5	1	N/A	1000	400	300	02/04/10
10B0091-04 [1A-02]	B010092	1	1	N/A	1000	400	570	02/04/10
10B0091-05 [AA-02]	B010092	1	1	N/A	1000	400	570	02/04/10
10B0091-06 [SS-03]	B010092	1.5	1	N/A	1000	400	300	02/04/10
10B0091-07 [1A-03]	B010092	1.5	1	N/A	1000	400	855	02/04/10
10B0091-08 [1A-03 Dup]	B010092	1.5	1	N/A	1000	400	855	02/04/10
10B0091-11 [SS-05]	B010092	1	1	N/A	1000	400	200	02/04/10
10B0091-12 [1A-05]	B010092	1.5	1	N/A	1000	400	855	02/04/10
10B0091-13 [AA-03]	B010092	1.5	1	N/A	1000	400	855	02/04/10

QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
	Results	RL	Results	RL							
Batch B010092 - TO-15 Prep											
Blank (B010092-BLK1)					Prepared & Analyzed: 02/04/10						
cis-1,2-Dichloroethylene	ND	0.035									
Tetrachloroethylene	ND	0.035									
Trichloroethylene	ND	0.035									
Vinyl Chloride	ND	0.035									
Surrogate: 4-Bromofluorobenzene (1)	7.70				8.00		96.2	70-130			
LCS (B010092-BS1)					Prepared & Analyzed: 02/04/10						
cis-1,2-Dichloroethylene	5.50				5.00		110	70-130			
Tetrachloroethylene	5.10				5.00		102	70-130			
Trichloroethylene	4.55				5.00		91.0	70-130			
Vinyl Chloride	4.30				5.00		85.9	70-130			
Surrogate: 4-Bromofluorobenzene (1)	7.64				8.00		95.5	70-130			
Duplicate (B010092-DUP1)		Source: 10B0091-01			Prepared & Analyzed: 02/04/10						
cis-1,2-Dichloroethylene	ND	0.10	ND	0.40		ND				25	
Tetrachloroethylene	0.94	0.10	6.4	0.68		0.92			1.93	25	
Trichloroethylene	13	0.10	68	0.54		13			4.43	25	
Vinyl Chloride	ND	0.10	ND	0.26		ND				25	
Surrogate: 4-Bromofluorobenzene (1)	7.82				8.00		97.7	70-130			

FLAG/QUALIFIER SUMMARY

- * QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA TO-15 in Air</i>	
cis-1,2-Dichloroethylene	AIHA,FL,NY
Tetrachloroethylene	AIHA,FL,NJ,NY
Trichloroethylene	AIHA,FL,NJ,NY
Vinyl Chloride	AIHA,FL,NJ,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2010
CT	Connecticut Department of Public Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2010
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2010
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2010
FL	Florida Department of Health	E871027 NELAP	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	03/23/2010



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AIR SAMPLE CHAIN OF CUSTODY
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Page 1 of 2

19 OF 24

Company Name: MATEC EngineeringAddress: 9725 Cogdill Road, Knoxville, TN 37932→ KJDeatherage@matec.comAttention: Joe DeatherageProject Location: Rochester, New YorkSampled By: BA5 / JD

Proposal Provided? (For Billing purposes)

☐ yes ☐ no proposal date

Field ID	Sample Description	Media	Lab #	Date Time	Date Time	Minutes Sampled	M ³ /Min. or L / Min.	Liters or M ³	Matrix Code*	✓				Canister ID	Controller ID
	SS-01	S	01	2-1-10 1625	2-2-10 1715	724hrs	~4 mL/min	~6 L	SS	✓				-30 ⁺ -13-12	1291 - 3073
	IA-01	S	02	2-1-10 1624	2-2-10 1710	724hrs	1	~6 L	IA	✓				-30 ⁺ -13-12	1108 - 3098
	SS-02	S	03	2-1-10 1856	2-2-10 1758	~23hrs		~6 L	SS	✓				-30 ⁺ -10-11	1807 - 3265
	IA-02	S	04	2-1-10 1857	2-2-10 1758	~23hrs		~6 L	IA	✓				-30-6-5	1846 - 3175
	AA-02	S	05	2-1-10 1705	2-2-10 1755	724hrs		~6 L	AMB	✓				-29-8-7	1134 - 3434
	SS-03	S	06	2-2-10 1021	02-3-10 1037	~24hrs		~6 L	SS	✓				-28-13-13	1249 - 3013
	IA-03	S	07	2-2-10 1020	2-3-10 1035	~24hrs		~6 L	IA	✓				-30 ⁺ -12-11	1492 - 3256
	IA-03dup	S	08	2-2-10 1020	2-3-10 1035	~24hrs		~6 L	IA	✓				-30 ⁺ -11-12	1866 - 3404

Laboratory Comments:

** Please provide summa canisters certification sheets, per request.

Relinquished by: (signature)

Date/Time: 02-03-10

Received by: (signature)

Date/Time: 2/4/10 12:15

Relinquished by: (signature)

Date/Time:

Received by: (signature)

Date/Time:

Turnaround **

- ☐
- 7-Day
-
- ☐
- 10-Day
-
- ☒
- Other

RUSH *

☒ *24-Hr ☐ *48-Hr☐ *72-Hr ☐ *4-Day

*Approval Required

Special Requirements

Regulations:

Data Enhancement/RCP? ☐ Y ☒ NEnhanced Data Package ☐ Y ☒ N

(Surcharge Applies)

Required Detection Limits: 1 µg/m³ = SGOther: Analyze TO-15 for (4) compounds listed above.

*Matrix Code:

SG= SOIL GAS
IA= INDOOR AIR
AMB= AMBIENT
SS= SUB SLAB
D= DUP
BL= BLANK
O= other

**Media Codes:

S= summa can
TB= tedlar bag
P= PUF
T= tube
F= filter
C= cassette
O= OtherCLIENT COMMENTS:
VG= vinyl chloride; TCE= trichloroethene
PCE= tetrachloroethene; DCE= dichloroethene
/ returned (3)
unused summas;



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Page 2 of 2

20 OF 24

Company Name: MACTEC Engineering
Address: 9725 Cogdill Road, Knoxville, TN 37932
KJ Deatherage @ mactec.comTelephone: (615) 218-1049
Project # 3031052006.12
Client PO # TBP.Attention: Rochester, New YorkProject Location: Joe DeatherageSampled By: B. Shaw / J. Deatherage

Proposal Provided? (For Billing purposes)

☐ yes ☐ no proposal date

Field ID		Sample Description		Media	Lab #	Date Time		Date Time		Minutes Sampled	M ³ /Min. or L / Min.	Liters or M ³	Matrix Code*	TUE			ur e	ur e	ur e	Summa Canister ID	Flow Controller ID
	①	SS-04	HOLD	S	09	2-2-10 1540	2-3-10 1605	~24 hrs	~4 mL/min	~6L	SS	✓				-30	-14	-15	1662	3410	
	①	IA-04		S	10	2-2-10 1535	2-3-10 1604	~24 hrs	~4 mL/min	~6L	IA	✓				-30	-11	-11	1119	3269	
		SS-05		S	11	2-2-10 1910	2-3-10 1835	23.5 hrs	~4 mL/min	~6L	SS	✓				-30	-10	-8	1288	3270	
		IA-05		S	12	2-2-10 1905	2-3-10 1836	23.5 hrs	~4 mL/min	~6L	IA	✓				-30	-6	-12	1886	3398	
		AA-03	S	13	2-2-10 1755	2-3-10 1841	24 hrs	~4 mL/min	~6L	AMB	✓				-29	-5	-10	1092	3413		

Laboratory Comments:

① Hold these samples per clients request; MACTEC will inform client for further action TBP.
** Please provide summa canister certification, per request.

CLIENT COMMENTS:

TCE = trichloroethene; VC = vinyl chloride
PCE = tetrachloroethene; DCE = dichloroethene
returned (3) unused Summa;

Relinquished by: (signature)

Date/Time:

02-03-2010

Received by: (signature)

Date/Time:

2/4/10 12:15

Relinquished by: (signature)

Date/Time:

Received by: (signature)

Date/Time:

Turnaround **

- ☐
- 7-Day
-
- ☐
- 10-Day
-
- ☐
- Other

RUSH *

☒ *24-Hr ☐ *48-Hr☐ *72-Hr ☐ *4-Day

*Approval Required

Special Requirements

Regulations:

Data Enhancement/RCP? ☐ Y ☐ NEnhanced Data Package ☐ Y ☐ N

(Surcharge Applies)

Required Detection Limits:

other: Analyze TO-15 for the

compounds listed above;

*Matrix Code:

SG= SOIL GAS

IA= INDOOR AIR

AMB= AMBIENT

SS= SUB SLAB

D= DUP

BL= BLANK

O= other

**Media Codes:

S= summa can

TB= tedlar bag

P= PUF

T= tube

F= filter

C= cassette

O= Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA NEI AC & WRE/DRE Certified



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Page 1 of 2

21 OF 24

Company Name: MAJTEL Engineering

Address: 9725 Cogdill Road, Knoxville, TN 37932

KJDeatherage@majectec.com

Attention: Joe Deatherage

Project Location: Rochester, New York

Sampled By: BAS / JD

Proposal Provided? (For Billing purposes)

☐ yes ☐ no proposal date

Telephone: (865) 218-1049

Project # 3031052006.12

Client PO # TBP.

DATA DELIVERY (check one): **

☐ FAX ☐ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email: KJDeatherage@majectec.com

Format: ☐ EXCEL ☐ PDF ☐ GIS KEY ☐ OTHER

Date Sampled ONLY USE WHEN USING PUMPS

Start Stop Total Flow Rate Volume

Field ID	Sample Description	Media	Lab #	Date Time	Date Time	Minutes Sampled	M ³ /Min. or L / Min.	Liters or M ³	Matrix Code*	Summa Canister ID	Flow Controller ID
	SS-01	S	01	2-1-10 1625	2-2-10 1715	72hrs	~4 mL/min	~6 L	SG	1291	3073
	IA-01	S	02	2-1-10 1624	2-2-10 1710	72hrs		~6 L	IA	1108	3098
	SS-02	S	03	2-1-10 1856	2-2-10 1758	~23hrs		~6 L	SG	1807	3265
	IA-02	S	04	2-1-10 1857	2-2-10 1758	~23hrs		~6 L	IA	1846	3175
	AA-02	S	05	2-1-10 1705	2-2-10 1755	72hrs		~6 L	AMB	1134	3434
	SS-03	S	06	2-2-10 1021	2-3-10 1037	~2hrs		~6 L	SG	1249	3013
	IA-03	S	07	2-2-10 1020	2-3-10 1035	~2hrs		~6 L	IA	1492	3256
	IA-03dup	S	08	2-2-10 1020	2-3-10 1035	~2hrs		~6 L	IA	1866	3404

Laboratory Comments:

** Please provide Summa canisters certification sheets, per request.

Relinquished by: (signature)

Date/Time: 02-03-10

Received by: (signature)

Date/Time: 2/1/10 12:15

Relinquished by: (signature)

Date/Time:

Received by: (signature)

Date/Time:

Turnaround **

☐ 7-Day☐ 10-Day☐ Other

RUSH *

☒ *24-Hr ☐ *48-Hr☐ *72-Hr ☐ *4-Day

*Approval Required

CLIENT COMMENTS:

VC = Vinyl chloride; TCE = trichloroethene

PCE = Tetrachloroethene; DCE = dichloroethene

returned (3) unused Summa's;

Special Requirements

Regulations:

Data Enhancement/RCP? ☐ Y ☒ NEnhanced Data Package ☐ Y ☒ N 0.25 M³/M³

(Surcharge Applies)

Required Detection Limits 0.1 M³/M³ = SG

Other Analyte TO-15 for (4) compounds

listed above.

*Matrix Code:

SG= SOIL GAS

IA= INDOOR AIR

AMB=AMBIENT

SS = SUB SLAB

D = DUP

BL = BLANK

O = other

**Media Codes:

S=Summa can

TB=tedlar bag

P=PUF

T=tube

F= filter

C=cassette

O = Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT



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22 OF 24

Company Name: MACTEC EngineeringAddress: 9725 Cogdill Road, Knoxville, TN 37932→ KJ Deatherage @ mactec.comAttention: Rochester, New YorkProject Location: Joe DeatherageSampled By: B. Shaw / J. Deatherage

Proposal Provided? (For Billing purposes)

☐ yes ☐ no proposal date

Field ID	ID	Sample Description	Media	Lab #	Date Time	Stop Date Time	Total Minutes Sampled	Flow Rate M ³ /Min. or L / Min.	Volume Liters or M ³	Matrix Code*	Summa Canister ID	Flow Controller ID
①	SS-04	<u>HOLD</u>	S	09	2-2-10 1540	2-3-10 1605	~24 hrs	~4 mL/min	~6 L	SS	1662	3410
①	IA-04	<u>HOLD</u>	S	10	2-2-10 1535	2-3-10 1604	~24 hrs	~4 mL/min	~6 L	IA	1119	3269
	SS-05		S	11	2-2-10 1910	2-3-10 1835	~23.5 hrs	~4 mL/min	~6 L	SS	1288	3270
	IA-05		S	12	2-2-10 1905	2-3-10 1836	~23.5 hrs	~4 mL/min	~6 L	IA	1886	3398
	AA-03		S	13	2-2-10 1735	2-3-10 1841	~24 hrs	~4 mL/min	~6 L	AMB	1092	3413

Laboratory Comments:

① Hold these samples per client request; MACTEC will inform client for further action TBD

** Please provide summa canister certification, per request.

CLIENT COMMENTS:

TCE = trichloroethene; VC = vinyl chloride
PCE = tetrachloroethene; DCE = dichloroethene

returned (3) unused Summa;

Relinquished by: (signature)

Date/Time:

02-03-2010

Received by: (signature)

Date/Time:

2/1/10 12:15

Relinquished by: (signature)

Date/Time:

Received by: (signature)

Date/Time:

Turnaround **

- ☐ 7-Day
☐ 10-Day
☐ Other

RUSH *

☒ *24-Hr ☐ *48-Hr☐ *72-Hr ☐ *4-Day

*Approval Required

Special Requirements

Regulations:

Data Enhancement/RCP? ☐ Y ☐ NEnhanced Data Package ☐ Y ☐ N

(Surcharge Applies)

Required Detection Limits:

other: Analyze TO-15 for the

compound & listed above;

*Matrix Code:

SG= SOIL GAS

IA= INDOOR AIR

AMB= AMBIENT

SS= SUB SLAB

D= DUP

BL= BLANK

O= other

**Media Codes:

S= summa can

TB= tedlar bag

P= PUF

T= tube

F= filter

C= cassette

O= Other

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS

INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA. NELAC & WRF/DRF Certified



Detailed Results

Tracking no.: 869248361623

Select time format: 12H

Delivered
Delivered
 Signed for by: D.DONATI

Shipment Dates

Ship date Feb 3, 2010

Delivery date Feb 4, 2010 12:15 PM

Destination

Signature Proof of Delivery

Shipment Facts

Service type	Standard Overnight	Delivered to	Shipping/Receiving
Weight	33.0 lbs/15.0 kg	Reference	3031052006-12

Shipment Travel History

Select time zone: Local Scan Time

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Feb 4, 2010 12:15 PM	Delivered		
Feb 4, 2010 7:49 AM	On FedEx vehicle for delivery	WINDSOR LOCKS, CT	
Feb 4, 2010 7:36 AM	At local FedEx facility	WINDSOR LOCKS, CT	
Feb 4, 2010 6:04 AM	At dest sort facility	EAST GRANBY, CT	
Feb 4, 2010 3:07 AM	Departed FedEx location	MEMPHIS, TN	
Feb 3, 2010 11:22 PM	Arrived at FedEx location	MEMPHIS, TN	
Feb 3, 2010 9:11 PM	Left FedEx origin facility	ROCHESTER, NY	
Feb 3, 2010 3:00 PM	Picked up	ROCHESTER, NY	



www.contestlabs.com

39 Spruce Street
East Longmeadow, MA
Phone: 1-413-525-2332
Fax: 1-413-525-6405

AIR ONLY RECEIPT CHECKLIST

CLIENT NAME: mactec Eng

RECEIVED BY: ko

DATE: 2/4/10

1. Was chain of custody relinquished and signed?

YES
YES

NO

2. Does Chain agree with samples?

NO

If not, explain:

3. All Samples in good condition?

YES

NO

If not, explain:

4. Are there any on hold samples? YES

NO

STORED WHERE:

Air Lab

5. ARE THERE ANY RUSH OR SHORT HOLDING TIME SAMPLES? WHO WAS NOTIFIED? B.D. DATE 2/4 TIME 12:20

Location where samples are stored:

Air Lab

Permission to sub-contract samples? Yes No (circle)
(Walk in clients only) if not already approved.
Client Signature _____

CONTAINERS SENT TO CON-TEST	# of containers
Summa cans	<u>16</u>
Tedlar Bags	
Regulators	<u>16</u>
Restrictors	
Tubes	
Other	

1. Was all media (used & unused) checked into the WASP asset management program?

2. Were all returned summa cans, restrictors, & regulators documented as returned in the AIR Lab Outbound excel sheet?

3. Were the Lab ID's documented in the Air Lab Outbound excel sheet?

4. Was the job documented in the Air Lab Log-In Access Database?

Laboratory comments: