LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

16 July 2010

Robert Corcoran, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, 11th Floor
625 Broadway
Albany, New York 12233-7015

RE: Groundwater Monitoring Event No. 1: June 2010
Target Rock Site
1966 E Broadhollow Road
East Farmingdale, New York
NYSDEC Site #1-52-119
Langan Project No.: 100179501

Dear Mr. Corcoran:

Langan Engineering & Environmental Services (Langan) has been retained by Curtiss-Wright Corporation (Curtiss-Wright) to provide environmental consulting services for the Curtiss-Wright Flow Control Corporation, Target Rock Site located at 1966 E Broadhollow Road in East Farmingdale, New York (the "Site"). Refer to **Figure 1** for a Site Location Map.

As part of these services and in accordance with the New York State Department of Environmental Conservation (NYSDEC) approved Monitoring Well Installation and Sampling Work Plan dated 17 February 2010 prepared by Arcadis of New York, Inc., Langan is submitting this letter report to document groundwater monitoring well installation activities and the initial groundwater quarterly monitoring event for the two newly installed wells as described below.

Monitoring Well Installation Activities

On 19 May 2010, two permanent groundwater monitoring wells (TRMW-6 and TRMW-7) were installed at the Site by Berninger Environmental, Inc. of Bohemia, New York. Refer to **Figure 2** for a Monitoring Well Location Map.

The flush-mounted monitoring wells (TRMW-6 and TRMW-7) were constructed of 2-inch diameter PVC screen and riser pipe. TRMW-6 was installed with 3-feet of riser and 15-feet of screen installed from 3 to 18-feet below ground surface, a sand filter pack and cement/bentonite

seal. TRMW-7 was installed with 5-feet of riser and 10-feet of screen installed from 5 to 15-feet below ground surface, a sand filter pack and cement/bentonite seal. The wells were developed using a submersible pump until turbidity was below 50 nephelometric turbidity units (NTUs). Approximately 8 gallons of development water was purged from TRMW-6 and 15 gallons of development water was purged from TRMW-7. Soil cuttings and well development water were collected in separate 55-gallons drums (a total of four drums). Refer to **Attachment 1** for a copy of the soil boring logs and monitoring well construction documentation including well development turbidity readings.

Monitoring Well Sampling Activities

In accordance with industry practice, the wells, which were installed on 19 May 2010, were allowed to stabilize for at least 14 days prior to sampling. Accordingly, Langan sampled the wells on 4 June 2010. Prior to purging the wells, well headspace was screened for volatile organic vapors using a photo ionization detector (PID). No elevated PID readings were detected in either well. Depth-to-water readings were then recorded.

A bladder pump was used to purge the monitoring wells using "low-flow" techniques. Field parameters were collected and recorded during purging activities. Refer to **Attachment 2** for a summary of the field parameters collected prior to sampling each well. No sheen or product was measured or observed during the sampling activities. The purge water was collected in two 55-gallon drums. Please note that these two drums, as well as the two drums with soil cuttings, will be removed from the Site and properly disposed of by Curtiss-Wright. Following the disposal of these drums, appropriate documentation will be submitted to NYSDEC.

After purging, the bladder pump purging rate was lowered to 100 ml/L in order to collect the groundwater sample from the each well. One sample was collected from each well and submitted to HamptonClarke/Veritech laboratories of Fairfield, New Jersey (New York ELAP #11408 and 11939) for volatile organic compounds (VOC) analysis via EPA Method 8260. Field and trip blanks were also submitted to Veritech.

The analytical results indicated that, with the exception of detectable concentrations of chloroform (1.9 ug/L) and tetrachloroethene (3.7 ug/L) detected in TRMW-7, no VOCs were detected in excess of their method detection limits in the samples collected. With respect to these detectable concentrations, both of these concentrations were below their NYSDEC Technical and Operational Guidance Series (TOGS) Groundwater Standard/Guidance Value of 7 ug/L for chloroform and 5 ug/L for tetrachloroethene. Refer to **Table 1** for a summary of the analytical results and **Attachment 3** for a copy of the analytical results.

Closure

We will continue to perform quarterly groundwater monitoring activities for the two newly installed groundwater monitoring wells (TRMW-6 and TRMW-7) in accordance with the February 2010 NYSDEC approved workplan. The next monitoring event is scheduled for September 2010.

If you have any questions concerning this submittal, please feel free to contact us at 201.794.6900.

Sincerely,
Langan Engineering & Environmental Services

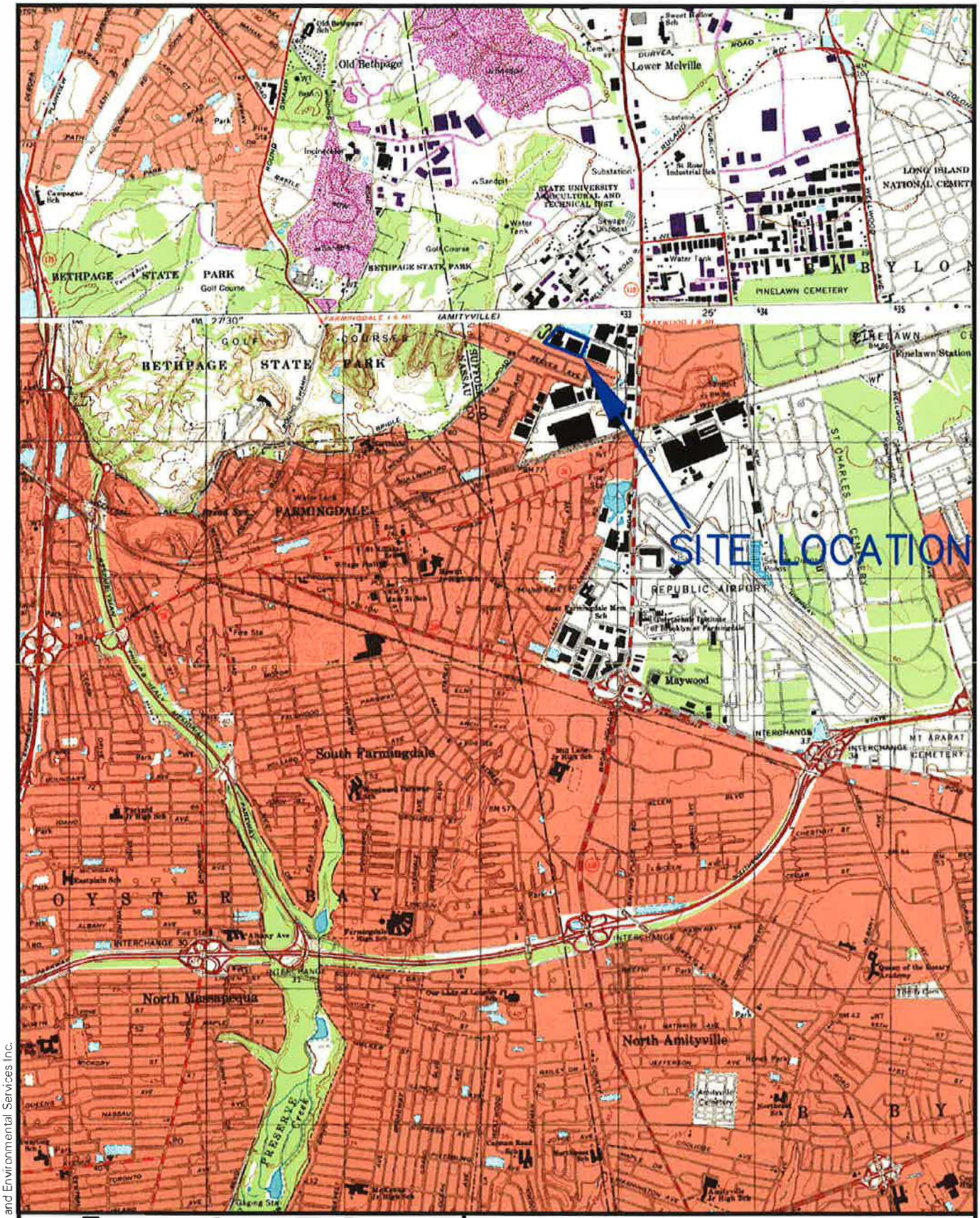
Michael J. Morris, P.G.
Project Manager

Gerald J. Zambrella, C.E.M., LSRP
Principal

Enclosure: Figures
Table
Attachment 1 – Monitoring Well Documentation
Attachment 2 – Groundwater Sampling Field Parameters
Attachment 3 – Analytical Report

cc: David Rogers, George McDonald and John Pluta, Curtiss-Wright
Peter Ruppar, Esq., Duke, Holzman, Photiadis & Gresene LLP

FIGURES



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ENGINEERING & ENVIRONMENTAL SERVICES

River Drive Center 1 Elmwood Park, NJ 07407
P: 201.794.6900 F: 201.794.0366
www.langan.com

NEW JERSEY PENNSYLVANIA NEW YORK CONNECTICUT FLORIDA NEVADA
NJ Certificate of Authorization No: 24GA27996400

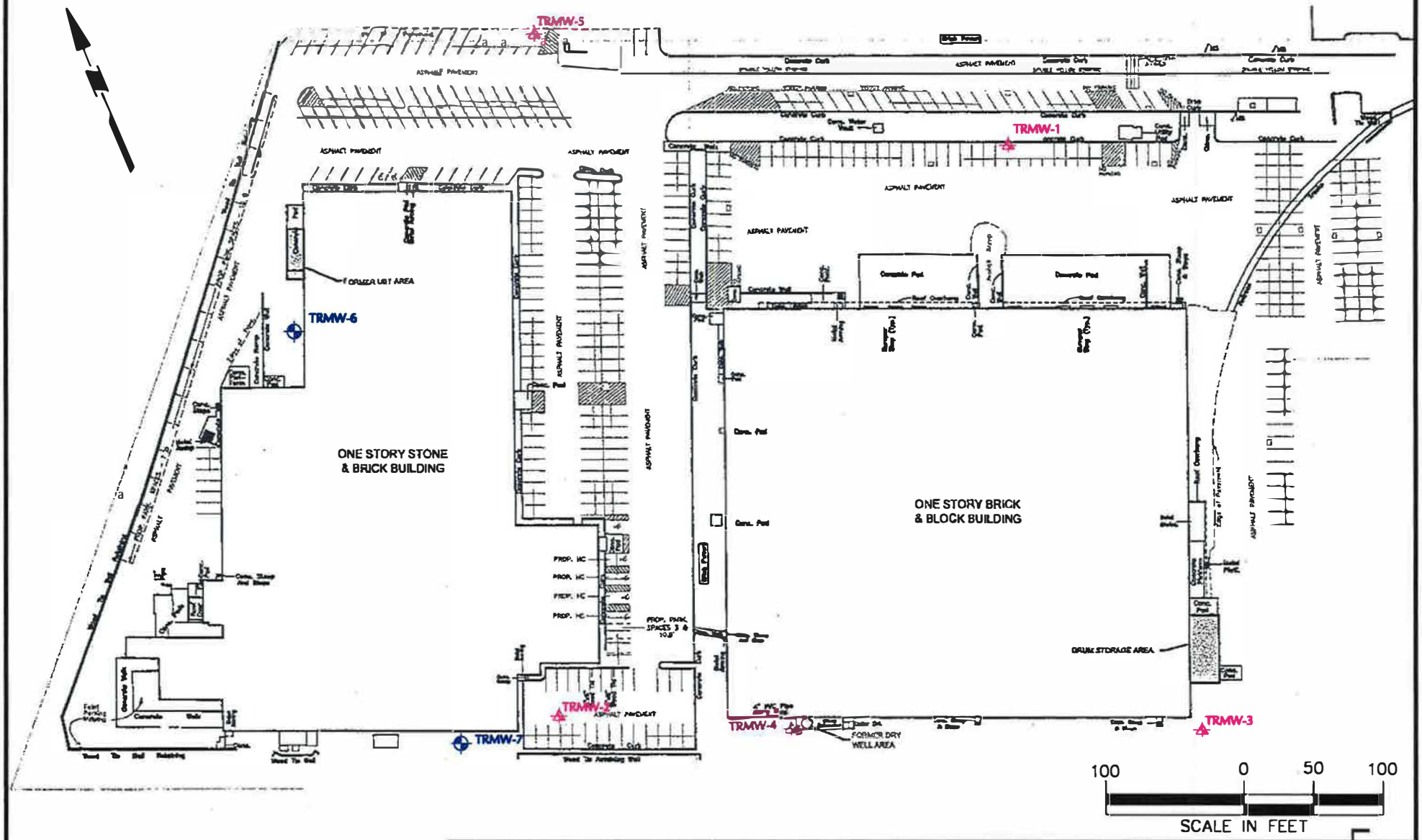
Project

CURTISS-WRIGHT TARGET ROCK SITE LOCATION MAP

EAST FARMINGDALE NEW YORK

Project No.	Date	Scale	Dwg. No.
100179501	6/24/2010	1" = 1000'	1

Filename: G:\data5\100179501\Codd Data – 100179501\Dwg\Figure 1.dwg Date: 6/29/2010 Time: 10:49 User: mbator Style Table: Langan.stb Layout: A Size Sheet (Bottom)



LEGEND:

- TRMW-6 — MAY 2010 MONITORING WELL LOCATIONS
- TRMW-1 — EXISTING MONITORING WELL LOCATIONS

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Project

MONITORING WELL LOCATION MAP

EAST FARMINGDALE NEW YORK

Project No.	Date	Scale	Dwg. No.
100179501	06-29-10	1"= 100'	2

Filename: G:\data5\100179501\Cadd Data – 100179501\Dwg\100179501 MW Location Plan.dwg Date: 6/30/2010 Time: 10:24 User: tfoster Style Table: Langan.stb Layout: Layout1

TABLE

Table 1

Groundwater Analytical Result Summary - June 2010

Curtiss-Wright Target Rock Site
East Farmingdale, New York

CLIENT ID:	NYSDEC TOGS	TRMW-6		TRMW-7		FB		TB	
LAB ID:	Groundwater	AC52177-001		AC52177-002		AC52177-003		AC52177-004	
COLLECTION DATE:	Standard/	6/4/2010		6/4/2010		6/4/2010		6/2/2010	
SAMPLE MATRIX:	Guidance	Aqueous		Aqueous		Aqueous		Aqueous	
SAMPLE UNITS:	Value	ug/L		ug/L		ug/L		ug/L	
Analyte	ug/L	Result	RL	Result	RL	Result	RL	Result	RL
Volatiles									
Chloroform	7	ND	1	1.9	1	ND	1	ND	1
Tetrachloroethene	5	ND	1	3.7	1	ND	1	ND	1

ND = Detected Below Method Detection Limits
RL = Reporting Limit

ATTACHMENT 1

LOG OF BORING NO: TRMW-6						Sheet 1 of 1	
Project Name	Curtiss-Wright Target Rock				**Project No.**	100179501	
Boring Location	East Farmingdale, NY				**Elevation and Datum**		
Drilling Company	Berninger Environmental Inc.				**Date Started**	5/19/2010	**Date Finished** 5/19/2010
Drilling Equipment	Track-mounted Geoprobe						
Size and Type of Bit	Hollow Stem Auger				**Completion Depth**	18 feet	**Rock Depth** Not Encountered
Casing							
Casing Hammer	**Weight** ---		**Drop** ---		**Water Level**	6 feet	
Sampler	---				**Driller**	Butch Meyers	
Sampler Hammer Weight	---		**Drop** ---		**Inspector**	Michael Bator	

Depth (ft)	S	Type	Recov. (ft)	PID ppm	DESCRIPTION	REMARKS
1					ASPHALT	Air knifed hole to 5-feet
					GRAVEL	
2				0	FILL (brown f-m sand, tr silt, tr f-gravel, tr asphalt)	
3					Light brown f-m SAND, tr f-m gravel, tr silt	
4						
5				0		
6						
7						
8				0	Light brown f-m SAND, some f-c gravel, tr silt	
9					Brown/orange f-m SAND, some silt, moist	
10					Brown silty f-m SAND, some f-gravel, wet	
11				0		
12						
13						
14				0		
15						
16						Well TRMW-6 installed from 0-18' bgs. 2" PVC screen from 3-18' bgs.
17				0	Light brown silty f-m SAND, some f-m gravel	2" PVC riser from 0-3' bgs.
18						
19						
20				0		
21					End boring at 20'	

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WELL CONSTRUCTION SUMMARY

Well No. **TRMW-6**

PROJECT	Curtiss-Wright Target Rock	PROJECT NO.	100179501
LOCATION	East Farmingdale, NY	ELEVATION AND DATUM	
DRILLING AGENCY	Berninger Environmental, Inc.	DATE STARTED / DATE FINISHED	5/19/2010 / 5/19/2010
DRILLING EQUIPMENT	Track-mounted Geoprobe	DRILLER	Butch Meyers
SIZE AND TYPE OF BIT	6 1/4" Hollow-Stem Auger	INSPECTOR	Michael Bator

METHOD OF INSTALLATION

Borehole was advanced to 20' below grade on 4/12/10. A 15', 0.020 slot, PVC screen and 3' of PVC riser were installed. Silica sand was placed in annular space of well to approximately 1 foot above the screened interval. Above the silica sand, 1' of benseal was installed. The annular space was tremie grouted to grade. A flush-mount manhole was installed at grade.

METHOD OF WELL DEVELOPMENT

The well was developed using a peristaltic pump. The well was developed until the nephelometric turbidity units (NTUs) were below 50.0 for 10 minutes. The well was purged for 21 minutes, with approximately 8 gallons being pumped from the well.

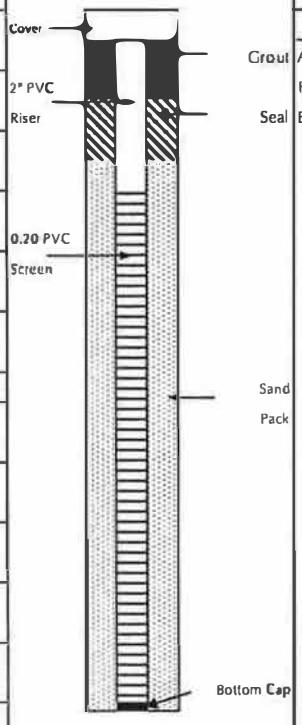
TYPE OF CASING	PVC	DIAMETER	2-inch
TYPE OF SCREEN	PVC	DIAMETER	2-inch
BOREHOLE DIAMETER			6-inch
TYPE OF BACKFILL MATERIAL			Portland Cement
TYPE OF SEAL MATERIAL			Benseal
TYPE OF FILTER MATERIAL			Silica Quartz

TOP OF CASING	ELEVATION	DEPTH (ft) Grade
TOP OF SEAL	ELEVATION	DEPTH (ft) 1'
TOP OF FILTER	ELEVATION	DEPTH (ft) 2'
TOP OF SCREEN	ELEVATION	DEPTH (ft) 3'
BOTTOM OF BORING	ELEVATION	DEPTH (ft) 18'
SCREEN LENGTH	15'	
SLOT SIZE	0.02	

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
Flush-mount	
Asphalt/gravel (0-1')	
Fill (1-2')	
Brown SAND (2-18')	

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LOG OF BORING NO: TRMW-7				Sheet 1 of 1	
Project Name	Curtiss-Wright Target Rock			**Project No.** 100179501	
Boring Location	East Farmingdale, NY			**Elevation and Datum**	
Drilling Company	Berninger Environmental Inc.			**Date Started** 5/19/2010	**Date Finished** 5/19/2010
Drilling Equipment	Track-mounted Geoprobe				
Size and Type of Bit	Hollow Stem Auger			**Completion Depth** 15 feet	**Rock Depth** Not Encountered
Casing					
Casing Hammer	**Weight** ---	**Drop** ---		**Water Level** 7 feet	
Sampler	---			**Driller** Butch Meyers	
Sampler Hammer Weight	---	**Drop** ---		**Inspector** Michael Bator	

Depth (ft)	S	Type	Recov. (ft)	PID ppm	DESCRIPTION	REMARKS
1					TOPSOIL	Hand augered to 5-feet
2				0	Brown f-m SAND, some f-c gravel, tr silt	
3						
4						
5				0	Brown f-m silty SAND, tr f-gravel, moist	
6						
7						
8				0		
9					Brown f-m silty SAND, some f-m gravel, moist	
10						
11				0	Brown/orange f-m sandy SILT, tr f-gravel, wet	
12						
13						
14				0	Brown/orange silty f-m SAND, some f-gravel	
15						
16					End boring at 15'	Well TRMW-7 installed from 0-15' bgs. 2" PVC screen from 5-15' bgs. 2" PVC riser from 0-5' bgs.
17						
18						
19						
20						
21						

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WELL CONSTRUCTION SUMMARY

Well No. **TRMW-7**

PROJECT	Curtiss-Wright Target Rock	**PROJECT NO.**	100179501
LOCATION	East Farmingdale, NY	**ELEVATION AND DATUM**	
DRILLING AGENCY	Berninger Environmental, Inc.	**DATE STARTED** 5/19/2010	**DATE FINISHED** 5/19/2010
DRILLING EQUIPMENT	Track-mounted Geoprobe	**DRILLER**	Butch Meyers
SIZE AND TYPE OF BIT	6 1/4" Hollow-Stem Auger	**INSPECTOR**	Michael Bator

METHOD OF INSTALLATION

Borehole was advanced to 15 below grade on 4/12/10. A 10', 0.020 slot, PVC screen and 5' of PVC riser were installed. Silica sand was placed in annular space of well to approximately 1 foot above the screened interval. Above the silica sand, 1' of benseal was installed. The annular space was tremie grouted to grade. A flush-mount manhole was installed at grade.

METHOD OF WELL DEVELOPMENT

The well was developed using a peristaltic pump. The well was developed until the nephelometric turbidity units (NTUs) were below 50.0 for 10 minutes. The well was purged for 36 minutes, with approximately 15 gallons being pumped from the well.

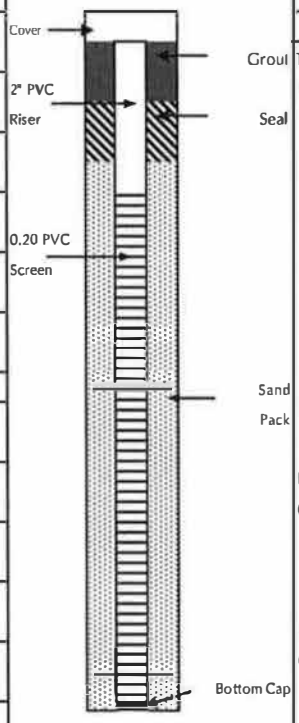
TYPE OF CASING PVC	**DIAMETER** 2-inch	**TYPE OF BACKFILL MATERIAL**	Portland Cement
TYPE OF SCREEN PVC	**DIAMETER** 2-inch	**TYPE OF SEAL MATERIAL**	Benseal
BOREHOLE DIAMETER 6-inch		**TYPE OF FILTER MATERIAL**	Silica Quartz

TOP OF CASING	**ELEVATION**	**DEPTH (ft)** Grade
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)** 3'
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)** 4'
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)** 5'
BOTTOM OF BORING	**ELEVATION**	**DEPTH (ft)** 15'
SCREEN LENGTH 10'		
SLOTSIZE 0.02		

GROUNDWATER ELEVATIONS

ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	**DEPTH (FT)**
Flush-mount	
Topsoil (0-1')	
Brown SAND (1 to 10')	
Brown/orange SILT (10-13')	
Brown/orange SAND (13-15')	

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WELL DEVELOPMENT TURBIDITY READINGS
CURTISS-WRIGHT TARGET ROCK
EAST FARMINGDALE, NEW YORK

TRMW-6

Time	Turbidity Reading (NTUs)
11:30	999
11:33	614
11:36	202
11:39	82.8
11:42	49.7
11:45	42.9
11:48	40.4
11:51	39.1

TRMW-7

Time	Turbidity Reading (NTUs)
13:02	999
13:05	999
13:08	801
13:11	605
13:14	426
13:17	299
13:20	131
13:23	75.2
13:26	51.8
13:29	49.0
13:32	48.1
13:35	46.0
13:38	44.2

ATTACHMENT 2

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	Curtiss-Wright Target Rock	Site Location:		Well No:	TRMW-6	Date:	6/4/2010
Initial Depth to Water (ft):	6.71		Pump Intake Depth (ft):		15.0'	Sampling Event:	June-10

TIME	pH (std. Units)	COND. (uS)	DO (mg/l)	ORP (mV)	TEMP. °C	DTW (ft)	Q (ml/m)	NOTES color, odor etc.
8:58						6.71		Start - Total depth = 16.28
9:03	6.23	0.236	10.33	152	16.4	6.80	400	3 well volumes = 4.75-gal
9:08	6.32	0.319	10.02	161	16.1	6.80	400	PID = 0.4
9:13	6.33	0.317	9.89	168	15.9	6.80	400	Brown, silty, no odor
9:18	6.33	0.315	9.82	174	15.9	6.80	400	
9:23	6.33	0.316	9.75	178	15.9	6.80	400	Clearing
9:28	6.33	0.316	9.95	181	15.9	6.80	400	
9:33	6.33	0.317	9.99	183	15.8	6.80	400	
9:38	6.33	0.312	9.99	186	15.6	6.80	400	
9:43	6.31	0.308	9.89	188	15.7	6.80	400	
9:48	6.30	0.307	9.97	191	15.8	6.80	400	Turbidity < 50
9:53	6.29	0.305	10.00	192	15.8	6.80	400	
9:58	6.29	0.305	9.99	193	15.8	6.80	400	5 gallons purged
10:00								Sample

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River Drive Center One Elmwood Park, NJ 07407

LOW FLOW SAMPLING FIELD PARAMETER MEASUREMENTS

Project:	Curtiss-Wright Target Rock	Site Location:		Well No:	TRMW-7	Date:	6/4/2010
Initial Depth to Water (ft):	8.23'		Pump Intake Depth (ft):		12.0'	Sampling Event:	June-10

TIME	pH (std. Units)	COND. (uS)	DO (mg/l)	ORP (mV)	TEMP. °C	DTW (ft)	Q (ml/m)	NOTES color, odor etc.
11:14								Start - Total depth = 13.80
11:19	5.99	0.241	4.03	176	20.0	8.26	200	3 well volumes = 2.75 gal
11:24	5.93	0.236	2.67	191	19.6	8.29	200	PID = 0.0
11:29	5.89	0.233	2.70	200	20.2	8.30	200	Brown, silty, no odor
11:34	5.88	0.232	2.54	206	19.1	8.30	200	-
11:39	5.88	0.231	2.32	211	19.2	8.30	200	Clearing
11:44	5.87	0.231	2.21	215	19.1	8.30	200	-
11:49	5.86	0.232	2.17	218	19.3	8.30	200	
11:54	5.86	0.232	2.12	220	19.3	8.30	200	
11:59	5.85	0.236	2.06	222	19.3	8.30	200	
12:04	5.85	0.238	1.98	224	19.3	8.30	200	
12:09	5.84	0.238	1.96	225	19.3	8.30	200	Turbidity < 50
12:14	5.84	0.239	1.88	227	19.2	8.30	200	
12:19	5.84	0.239	1.82	227	19.2	8.30	200	3.5-gallons purged
12:25								Sample

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ATTACHMENT 3

HAMPTONCLARKE-VERITECH

175 ROUTE 46 WEST, UNIT D · FAIRFIELD, NJ 07004
198 ROUTE 46 EAST, FAIRFIELD, NJ 07004
800-426-9992 · 973-244-9770
FAX: 973-244-9787

WWW.HCVLAB.COM

Project: Target Rock

Client PO: Not Available

Report To: Langan Engineering & Environmental
River Drive Center 1
Elmwood Park, NJ 07407

Attn: M.Bator

Received Date: 6/4/2010

Report Date: 6/28/2010

Deliverables: NYDOH-R

Lab ID: AC52177

Lab Project No: 0060430

Jeri Rossi - Quality Assurance Director OR Stanley Gilewicz - Laboratory Director

NJ	(07071 and 07069)	NY	(ELAP11408 and 11939)	CT	(PH-0671)	USACE
PA	(68-00463 and 68-04409)	KY	(90124)	WV	(353)	

HC·V
HAMPTONCLARKE·VERITECH

TABLE OF CONTENTS

Sample Summary

Client: Langan Engineering & Environmental
Project: Target Rock

HCV Project #: 0060430

Lab#	SampleID	Matrix	Collection Date	Receipt Date
AC52177-001	TRMW-6	Aqueous	6/4/2010	6/4/2010
AC52177-002	TRMW-7	Aqueous	6/4/2010	6/4/2010
AC52177-003	FB	Aqueous	6/4/2010	6/4/2010
AC52177-004	TB	Aqueous	6/2/2010	6/4/2010

HAMPTON·CLARKE·VERITECH

Non-Conformance Summary

HCV Project AC52177

Volatile Organic Analysis:

The recovery of Trichloroethene is biased high, outside QC limits in the Matrix Spike and Matrix Spike Duplicate in batch MBS16492. All QC criteria were met in the Laboratory Control Sample (MBS16492)

Jeri Rossi 6/28/10

Jeri Rossi — Date

Quality Assurance Director

HCV Executive Summary

Client: Langan Engineering & Environmental **HCV Project #:** 0060430

Project: Target Rock

Lab#: AC52177-002 **Sample ID: TRMW-7**

Analyte	Units	RL	Result	Analytical Method
Chloroform	ug/l	1.0	1.9	EPA 8260B
Tetrachloroethene	ug/l	1.0	3.7	EPA 8260B

HCV Report Of Analysis

Client: Langan Engineering & Environmental
Project: Target Rock

HCV Project#: 0060430

Sample ID: TRMW-6
Lab#: AC52177-001
Matrix: Aqueous

Collection Date: 6/4/2010
Receipt Date: 6/4/2010

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	5.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	10	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	10	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	0.50	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	0.50	ND
Dibromochloromethane	1	ug/l	0.50	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	10	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	0.50	ND
Trichloroethene	1	ug/l	10	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1	ND

Sample ID: TRMW-7
Lab#: AC52177-002
Matrix: Aqueous
Collection Date: 6/4/2010
Receipt Date: 6/4/2010

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1c0	ND
1,1ç2,2-Tetrachloroethane	1	ug/l	1c0	ND
1,1,2-Trichloro-1ç2,2-trifluoroethane	1	ug/l	5.0	ND
1,1ç2-Trichloroethane	1	ug/l	1c0	ND
1,1-Dichloroethane	1	ug/l	1c0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1c0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1c0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1c0	ND
1,3-Dichloropropane	1	ug/l	1c0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1c0	ND
Acetone	1	ug/l	5.0	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	0.50	ND
Bromoform	1	ug/l	1c0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	**1**	**ug/l**	**1.0**	**1.9**
Chloromethane	1	ug/l	1.0	ND
cis-1ç2-Dichloroethene	1	ug/l	1.0	ND
cis-1ç3-Dichloropropene	1	ug/l	0.50	ND
Dibromochloromethane	1	ug/l	0.50	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1c0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1c0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1c0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1c0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**3.7**
Toluene	1	ug/l	1.0	ND
trans-1ç2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	0.50	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1	ND

Sample ID: FB
Lab#: AC52177-003
Matrix: Aqueous
Collection Date: 6/4/2010
Receipt Date: 6/4/2010

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result

Sample ID: FB
Lab#: AC52177-003
Matrix: Aqueous
Collection Date: 6/4/2010
Receipt Date: 6/4/2010

1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	5.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1.0	ND
1,2,4-Trimethylbenzene	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	0.50	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	0.50	ND
Dibromochloromethane	1	ug/l	0.50	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	0.50	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1	ND

Sample ID: TB
Lab#: AC52177-004
Matrix: Aqueous
Collection Date: 6/2/2010
Receipt Date: 6/4/2010

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	5.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND

Sample ID: TB
Lab#: AC52177-004
Matrix: Aqueous

Collection Date: 6/2/2010
Receipt Date: 6/4/2010

1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichloropropane	1	ug/l	1e0	ND
1,2,4-Trimethylbenzene	1	ug/l	1e0	ND
1,2-Dichlorobenzene	1	ug/l	1e0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3,5-Trimethylbenzene	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1e0	ND
1,3-Dichloropropane	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Chloroethylvinylether	1	ug/l	1e0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Isopropyltoluene	1	ug/l	1e0	ND
4-Methyl-2-pentanone	1	ug/l	1e0	ND
Acetone	1	ug/l	5.0	ND
Acrolein	1	ug/l	5.0	ND
Acrylonitrile	1	ug/l	2.0	ND
Benzene	1	ug/l	0.50	ND
Bromodichloromethane	1	ug/l	0.50	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1e0	ND
Chlorobenzene	1	ug/l	1e0	ND
Chloroethane	1	ug/l	1e0	ND
Chloroform	1	ug/l	1e0	ND
Chloromethane	1	ug/l	1e0	ND
cis-1e2-Dichloroethene	1	ug/l	1e0	ND
cis-1e3-Dichloropropene	1	ug/l	0.50	ND
Dibromochloromethane	1	ug/l	0.50	ND
Dichlorodifluoromethane	1	ug/l	1e0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-tbutyl ether	1	ug/l	0.50	ND
n-Butylbenzene	1	ug/l	1.0	ND
n-Propylbenzene	1	ug/l	1.0	ND
o-Xylene	1	ug/l	1.0	ND
sec-Butylbenzene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
t-Butyl Alcohol	1	ug/l	5.0	ND
t-Butylbenzene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1e3-Dichloropropene	1	ug/l	0.50	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1	ND

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REPORTING DEFINITIONS

DF = Dilution Factor

RL = Reporting Limit

MDL = Method Detection Limit

For Clean Water Act and SW846 Organic Methods and Metals Methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve.

For Clean Water Act and SW846 Wet Chemistry methods, the Reporting Limit is determined by the concentration of the lowest standard in the calibration curve. For most gravimetric methods the Reporting Limit is defined as a value 3 to 5 times the MDL.

DATA QUALIFIERS

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the concentration is below the Reporting Limit (RL) but above the MDL (Method Detection Limit). The concentration reported is an estimate.

NA- Not Applicable.

ND- Not Detected.

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Method References

PARAMETER	METHOD	TECHNIQUE
WATER POLLUTION PARAMETERS		
Fecal Coliform	SM9222D	Membrane Filtration
Total Coliform	SM 9222 B	Membrane Filtration
Heterotrophic PC	SM9215B	Pour Plate
Acidity	SM 2310 B (4a)	Electrometric
Alkalinity	SM 2320 B	Electrometric
Ammonia	SM4500NH3B-18	Distillation (prep)
Ammonia	SM4500NH3C-18	Nesslerization (analysis)
BOD	SM 5210 B	DO Depletion
Bromide	EPA 300.0	Ion Chromatography
Calcium	EPA200.7	Digestion, ICP
CBOD	SM 5210 B	DO Depletion, N Inhib.
COD	HACH8000	Spectrophotometric, manual
Chloride	EPA300.0	Ion Chromatography
Cyanide(T)	EPA 335.4	Dist/Spectrophotometric (auto)
Cyanide ■	SM4500-CN C/E	Dist/Spectrophotometric (man.)
Cyanide (Am)	SM4500-CN C/G	Distillation, Spectrophotometric
Cyanide (Am)	EPA 1677	Flow Injection/Ligand Exchange
Fluoride	EPA 300.0	Ion Chromatography
Hardness	EPA 200.7	Ca + Mg Carbonates, ICP
Hex Chrom	SM3500-Cr D	Spectrophotometric
Magnesium	EPA200.7	Digestion, ICP
Metals	EPA 200.7	Digestion, ICP
Mercury	EPA 245.1	Manual, Cold Vapor
Metals	EPA200.8	ICP/MS
Nitrate	EPA300.0	Ion Chromatography
Nitrite	EPA300.0	Ion Chromatography
Nitrite	SM4500-NO3 F	Auto, Cd Reduction
Nitrate-Nitrite	SM4500-NO3 F	Auto, Cd Reduction
O & G HEM	EPA 1664A	Grav., Hexane Extractable
Oil & Grease SGT	EPA 1664A	Grav., Silica Gel Treated, HEM
Sulfate	EPA 300.0	Ion Chromatography
TOC	SM 5310 B	Combustion
Ortho Phosphate	EPA300.0	Ion Chromatography
Ortho Phosphate	SM 4500-P, E	Ascorbic Acid, Manual
Phenols	EPA 420.1	Distillation, Colorimetric
Total Phosphorus	SM 4500-P B5+E	Persulfate Digestion
Potassium	EPA 200.7	Digestion, ICP
Total Residue	SM 2540 B	Gravimetric, 103-105° C
TDS	SM 2540 C	Gravimetric, 180° C
TSS	SM 2540D	Gravimetric, 103-105° C
Settleable Solids	SM 2540 F	Volumetric, Imhoff Cone
Volatile Solids	EPA 160.4	Gravimetric, 550° C
Total,Fix,Vol Sol.	SM 2540 G	Gravimetric. 550° C
Salinity	SM 2520 B	Electrical Conductivity
Sodium	EPA 200.7	Digestion, ICP
Specific Cond.	SM 2510 B	Wheatstone Bridge
Sulfides	SM 4500-S² F	Titrimetric, Iodine
Turbidity	SM 2130 B	Nephelometric
PCB**	EPA608	Extraction, GC, ECD
Pesticides	EPA 608	Extraction, GC, ECD
Petroleum Org.	OQ QAM 25 rev. 7	Extraction, GC. FID
VOA	EPA624	GC/MS
Semi-VOA	EPA625	Extraction, GC/MS

PARAMETER	METHOD	TECHNIQUE
DRINKING WATER PARAMETERS		
Total coliform	SM 9221D + E	Presence/Absence
Total coli/E. coli	SM 9222 B/G	Membrane Filtration/Enumeration
Cyanide	SM 4500-CN-E	Dist/Spectrophotometric (man.)
Cyanide	EPA 335.4	Dist/Spectrophotometric (auto)
Cyanide	EPA OIA-1677	Flow Injection, Ligand Exchange
VOA	EPA 524.2	GC/MS
Metals	EPA200.8	ICP/MS
Mercury	EPA 245.1	Manual, Cold Vapor
Ca, Fe, Mg, Na	EPA 200.7	ICP
Total Hardness	EPA 200.7	ICP
Turbidity	EPA 180.1	Nephelometric
Chlorine Residual	SM4500-Cl G	DPD, Colorimetric
SOLID HAZARDOUS WASTE PARAMETERS		
Specific Cond.	SW-8469050A	Wheatstone Bridge
Phenols	SW-8462065	Colorimetric
Cyanide	SW-8462014	Titrimetric/Spectrophotometric
Chromium VI	SW-846 7196A	Colorimetric
Metals	SW-846 6010B	ICP
Metals	SW-8462020	ICP/MS
Mercury (liquid)	SW-846 7470A	Manual Cold Vapor
Mercury (solid)	SW-846 7471A	Manual Cold Vapor
EDB/DBCP	SW-8462011	Microextraction, GC, ECD
Alcohols/Glycols	SW-846 8015B	GC, FID
Petroleum Organics	OQA QAM 25 rev7	Extraction, GC, FID
DRO	SW-846 8015B	Extraction, GC, FID
GRO	SW8468015B m	GC/MS, Purge & Trap
PCB**	SW-846 8082	Extraction,GC, ECD
Pesticides	SW-846 8081A	Extraction,GC, ECD
Herbicides	SW-846 8151A	Extraction,GC, ECD
VOA	SW-846 8260B	GC/MS
Semi-VOA	SW-846 8270C	Extraction, GC/MS
Semi-VOA	SW-846 8270C	GC/MS/SIM
Cyanide (T)	SW-846 9012A	Colorimetric (auto)
Cyanide (T)	SW-846 9010C	Distillation
Cyanide (Am)	SW-846 9010C	Distillation
Sulfides	SW-846 9030B	Redox Titration
Sulfides	SW-846 9034	Titration
Sulfate	SW-846 9056	Ion Chromatography
pH	SW-846 9040B	Elect, waste, >20% water
TOC	SW-8462060	Infrared Spectrometry
TOC (sediment)	Lloyd Kahn Meth.	Infrared Spectrometry
Oil & Grease hem	SW-8462664A	Extraction and Gravimetric
Nitrite	SW-846 9056	Ion Chromatography
Nitrate	SW-846 9056	Ion Chromatography
Bromide	SW-846 9056	Ion Chromatography
Chloride	SW-8462056	Ion Chromatography
Fluoride	SW-846 9056	Ion Chromatography
Ortho Phosphate	SW-846 9056	Ion Chromatography

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Method References cont'd

PARAMETER	METHOD	TECHNIQUE
SOLID HAZARDOUS WASTE PREP		
Metals, Total& Diss	SW-846 3005A	Acid Dig/Surface & GW, ICP
Metals, Total	SW-846 3010A	Acid Dig/Aq Samples, ICP
Metals	SW-846 3050B	Acid Dig, Soil Sediment, Sludge
Metals	SW-846 3060A	Chromium VI Digestion
Semi-VO	SW-846 3510C	Separatory Funnel Extraction
Semi-VO	SW-846 3550B	Ultrasonic Extraction
Semi-VO	SW-846 3520C	Liquid-Liquid Extraction
Semi-VO	SW-846 3545	Pressurized Fluid Extraction
VO	SW-846 5030B	Purge & Trap Aqueous
Organics	SW-846 3580A	Waste Dilution
Organics	SW-846 3585	Waste Dilution, Volatile Organics
VO-low/high conc.	SW-846 5035l/h	Closed System Purge & Trap
Semi-VO	SW-846 3611B	Petroleum Waste, Cleanup Alumina
Semi-VO	SW-846 3620B	Cleanup-Florisil
Semi-VO	SW-846 3640A	Cleanup-Gel Permeation
Semi-VO	SW-846 3650B	Cleanup-Acid/Base Partition
Semi-VO	SW-846 3660B	Cleanup-Sulfur Removal
Semi-VO	SW-846 3665A	Cleanup-Sulfuric Acid/$KMnO_4$
SOLID AND CHEMICAL MATERIALS		
Ignitability of Solids	SW-8462030	Burn Rate
Reactivity	SW-8462.3*	HCN, HS Release
Cyanide	SW-846 9013	Extraction, Oils and Solids
EOX	SW-8462023	Extraction
Sulfides-extractable	SW-8462031	Water extraction, Distillation
O & G Sludge HEM	SW-8462071	Extraction and Gravimetric
Free Liquid	SW-846 9095	Flow-through Paint Filtration (obs)
Fingerprint Analysis	SW-8462015B	GC/FID
pH	SW-846 9045C	pH, soil and waste
Temperature	SM 2550 B	Thermometric

PARAMETER	METHOD	TECHNIQUE
CHARACTERISTICS OF HAZARDOUS WASTE		
Flash Point	SW-8462010	Pensky-Martens Closed Cup
Corrosivity	SW-846 9040B	Aqueous Waste, Potentiometric
Volatile Organics	SW-8462311	TCLP, Toxicity Procedure, ZHE
Metals-Semi VOA	SW-846 1311	TCLP, Toxicity Procedure, Shaker
Metals-Organics	SW-8462310A	EP Toxicity Test
Metals-Organics	SW-846 1312	Synthetic PPT Leachate Procedure
Metals-Organics	SW-8462320	Multiple Extraction
ASTM		
Specific Gravity	ASTM D-1429*	Erlenmeyer Flask
Sulfur Analysis	ASTM D-1552*	Infrared Spectometry
Total Organic Matter	ASTM D-2974*	Organic Content
Extraction of solid waste	ASTM D-3987	Shaker Extraction
ANALYZE IMMEDIATELY PARAMETERS		
D.O.	SM4500-O G	Electrode
pH	SM 4500-H+ B	Electrometric
Temperature	SM 2550 B	Thermometric
pH	SW-846 9040B	Aqueous, Electrometric
ORP	SM-25802*	Electrode
Chlorine Residual	SM4500-Cl G	DPD, Colorimetric

* Not a NELAP accredited method
** Aroclor 1262 and 1268 are not NELAP accredited parameters.

Laboratory Chronicle

0011

Client: Langan Engineering & Environmental
Project: Target Rock

HCV Project #: 0060430

Lab#: AC52177-001 **Sample ID: TRMW-6**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	6/9/10 13:01	WP

Lab#: AC52177-002 **Sample ID: TRMW-7**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	6/9/10 12:45	WP

Lab#: AC52177-003 **Sample ID: FB**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	6/9/10 12:28	WP

Lab#: AC52177-004 **Sample ID: TB**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260B	6/9/10 12:12	WP

Chain of Custody Forms

Veritech/Division of Hampton-Clarke — CHAIN OF CUSTODY RECORD

175 US Hwy 46 West, Fairfield, New Jersey 07004 & 198 Route 46 East, 1st Floor, Fairfield, New Jersey 07004

Ph: 800-426-9992
Fax: 973-439-1458

Project#(Lab Use Only): 0060430

Page 1 of 1

NELAC/NJ# 07071/07069 CT# PH-0671 NY/ELAP# 11408/11939 PA# 68-463/68-04409 WV# 353 KY# 90124

2013

Customer Information

1a) Customer: Langan Engineering
Address: River Drive Center One
Elmwood Park NJ

1b) Email/Cell/Fax/Ph: 201-794-0366

1c) Send Invoice To: Mike Baker

1d) Send Report To:

Project Information

2a) Project: Target Rock

2b) Project Manager: Mike Morris

2c) Location (City/State): East Farmingdale, NY

2d) Quote#/PO# (If Applicable):

3) Reporting Requirements (please circle)

Turnaround Time
- 24-Hour(100%)
- 48-Hour(75%)
- 72-Hour (50%)
- 4 Day(TPH)
- 1-Week(25%)
- 10 Days(10%)
- Standard
- Other:

Report type
- Data Sum
- Waste
- Red NJ/NY/PA
- CLP
- Full/Cat-B
- Cat-A
- Other:

Electronic Deliv
- Hazsite/Csv
- Equis
- Excel-NJCC
- Excel-Nytagm
- Excel-PAActII
- PDF
- Other:

Expedited TAT Not always available (Please check with lab)!

7) Analysis Request

FOR LAB USE ONLY

Batch# AC52177

Check if Contingent===> <===Check if Contingent

Matrix Codes: DW-Drinking Water; GW-Ground Water; WW-Waste Water; S-Soil; SL-Sludge; O-Oil; A-Air; Ot-Other

Lab Sample#	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite(C)	Sample Type: Grab(G)	VOs	8) # Of Bottles: None	MeOH	Encore	NaOH	HCl	H_2SO_4	HNO_3	Other:	9) Methanol Bottle Numbers (If applicable) / Comments
-001	TRMW-6	GW	6/4/10	1000		X	X					3				
-002	TRMW-7	GW	6/4/10	1235		X	X					3				
-003	FB	GW	6/4/10	1245		X	X					3				
-004	TB	GW	6/4/10	-			X					3				

10) Relinquished By:	Accepted By	Date	Time
[signature]	Auto Baker	6/4/10	14:50
Auto Baker	[signature]	6/4/10	1430

Comments, Notes, Special Requirements, HAZARDS

Cooler Temp: 3.9°C

11) Sampler: [signature] Date: 6/4/10

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis

CONDITION UPON RECEIPT

Batch Number AC52177 Entered By: Frantz
Date Entered 6/4/2010 4:36:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	Yes	Are the COC seals intact?
4	Yes	Please specify the Temperature inside the container (in degC) 3.9
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	Yes	Are samples preserved correctly?
12	NA	Are all soils preserved in methanol accompanied by dry soil?
13	NA	Other comments ...Specify
14	NA	Corrective actions (Specify item number and corrective action taken).

PRESERVATION DOCUMENT

Batch Number AC52177

Entered By: Frantz
Date Entered 6/4/2010 4:36:00 PM

Lab#:	Container Siz	Container Typ	Parameter	Preservative	PH
AC52177-001	40ml	G	VO+10	HCL	1
AC52177-002	40ml	G	VO+10	HCL	1
AC52177-003	40ml	G	VO+10	HCL	1
AC52177-004	40ml	G	VO+10	HCL	1

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu2	A/M	Analysis
AC52177-001	06/04/10 16:30	FRAN	0	M	Received
AC52177-001	06/04/10 16:35	FRAN	0	M	Login
AC52177-001	06/07/10 09:31	R22	1	A	NONE
AC52177-001	06/08/10 14:34	WP	1	A	VOA
AC52177-001	06/07/10 09:31	R22	2	A	NONE
AC52177-001	06/09/10 11:15	WP	2	A	VOA
AC52177-002	06/04/10 16:30	FRAN	0	M	Received
AC52177-002	06/04/10 16:35	FRAN	0	M	Login
AC52177-002	06/07/10 09:31	R22	1	A	NONE
AC52177-002	06/08/10 14:34	WP	1	A	VOA
AC52177-002	06/07/10 09:31	R22	2	A	NONE
AC52177-002	06/09/10 11:15	WP	2	A	VOA
AC52177-003	06/04/10 16:30	FRAN	0	M	Received
AC52177-003	06/04/10 16:35	FRAN	0	M	Login
AC52177-003	06/07/10 09:31	R22	1	A	NONE
AC52177-003	06/08/10 14:34	WP	1	A	VOA
AC52177-003	06/07/10 09:31	R22	2	A	NONE
AC52177-003	06/09/10 11:15	WP	2	A	VOA
AC52177-004	06/04/10 16:30	FRAN	0	M	Received
AC52177-004	06/04/10 16:35	FRAN	0	M	Login
AC52177-004	06/07/10 09:31	R22	1	A	NONE
AC52177-004	06/08/10 14:34	WP	1	A	VOA
AC52177-004	06/07/10 09:31	R22	2	A	NONE
AC52177-004	06/09/10 11:15	WP	2	A	VOA

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Volatile Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC52177-001
Client Id: TRMW-6
Data File: 2M53680.D
Analysis Date: 06/09/10 13:01
Date Rec/Extracted: 06/04/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas#	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	0.50	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.50	U
75-27-4	Bromodichloromethane	0.50	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 155925

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

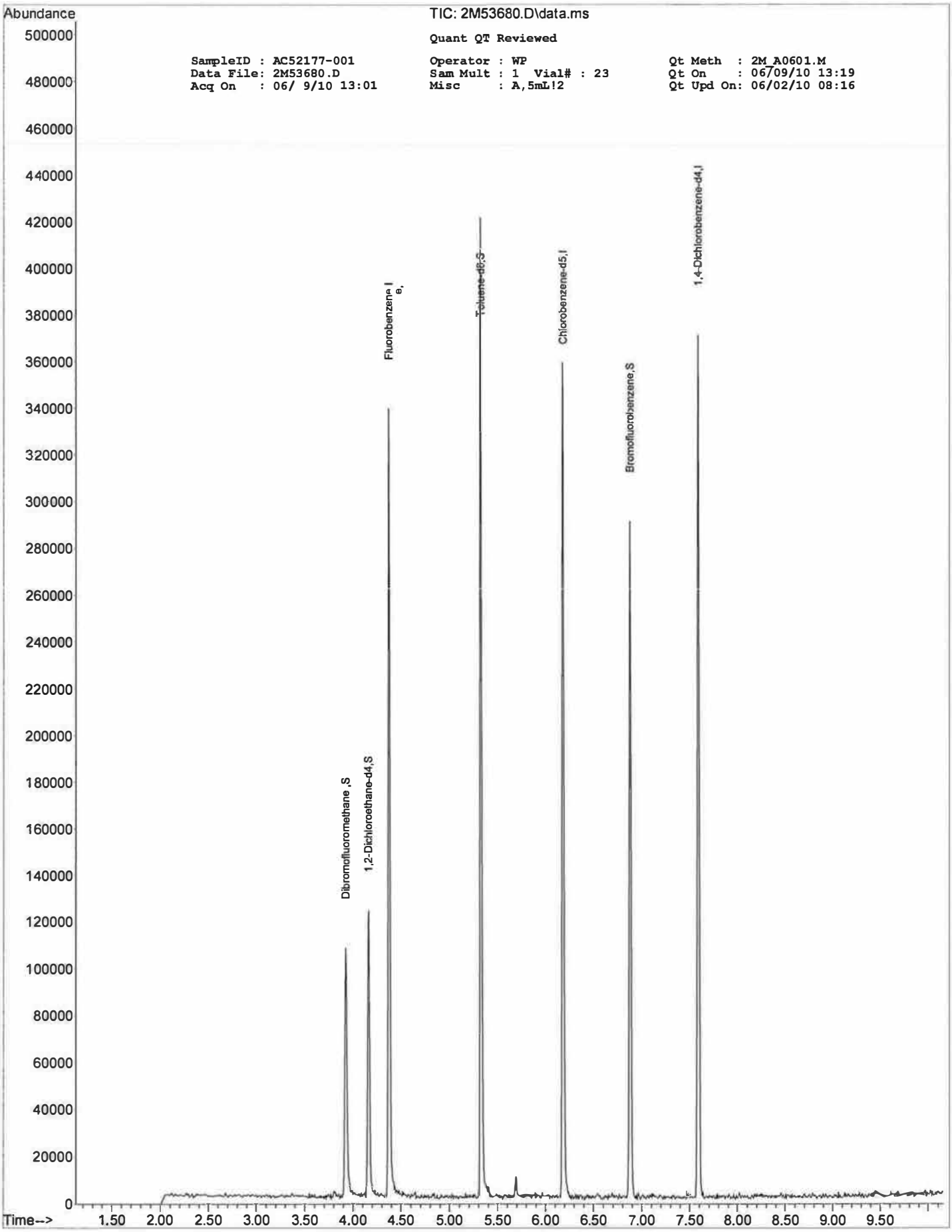
Quantitation Report (QT Reviewed)

SampleID : AC52177-001 Operator : WP Qt Meth : 2M_A0601.M
Data File: 2M53680.D Sam Mult : 1 Vial# : 23 Qt On : 06/09/10 13:19
Acq On : 06/ 9/10 13:01 Misc : A,5mL!2 Qt Upd On: 06/02/10 08:16

Data Path : G:\GcMsData\2010\GCMS_2\Data\06-09-10\
Qt Path : G:\GCMSDATA\2010\GCMS_2\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.376	96	191353	30.00	ug/l	-0.01
48) Chlorobenzene-d5	6.187	117	146361	30.00	ug/l	-0.01
63) 1,4-Dichlorobenzene-d4	7.589	152	81174	30.00	ug/l	-0.01
System Monitoring Compounds						
33) Dibromofluoromethane	3.925	111	52804	29.75	ug/l	-0.01
Spiked Amount 30.000			Recovery = 99.17%			
35) 1,2-Dichloroethane-d4	4.159	102	12649	31.04	ug/l	-0.01
Spiked Amount 30.000			Recovery = 103.47%			
59) Toluene-d8	5.327	100	112640	27.95	ug/l	-0.01
Spiked Amount 30.000			Recovery = 93.17%			
67) Bromofluorobenzene	6.879	174	67923	27.29	ug/l	-0.01
Spiked Amount 30.000			Recovery = 90.97%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 2M53680.D\data.ms
Quant QT Reviewed
SampleID : AC52177-001
Data File: 2M53680.D
Acq On : 06/ 9/10 13:01
Operator : WP
Sam Mult : 1 Vial# : 23
Misc : A,5mL!2
Qt Meth : 2M_A0601.M
Qt On : 06/09/10 13:19
Qt Upd On: 06/02/10 08:16
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC52177-002
Client Id: TRMW-7
Data File: 2M53679.D
Analysis Date: 06/09/10 12:45
Date Rec/Extracted: 06/04/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas#	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	**67-66-3**	**Chloroform**	**1.0**	**1.9**
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	0.50	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	U	**127-18-4**	**Tetrachloroethene**	**1.0**	**3.7**
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.50	U
75-27-4	Bromodichloromethane	0.50	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 155925

Total Target Concentration 5.6

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

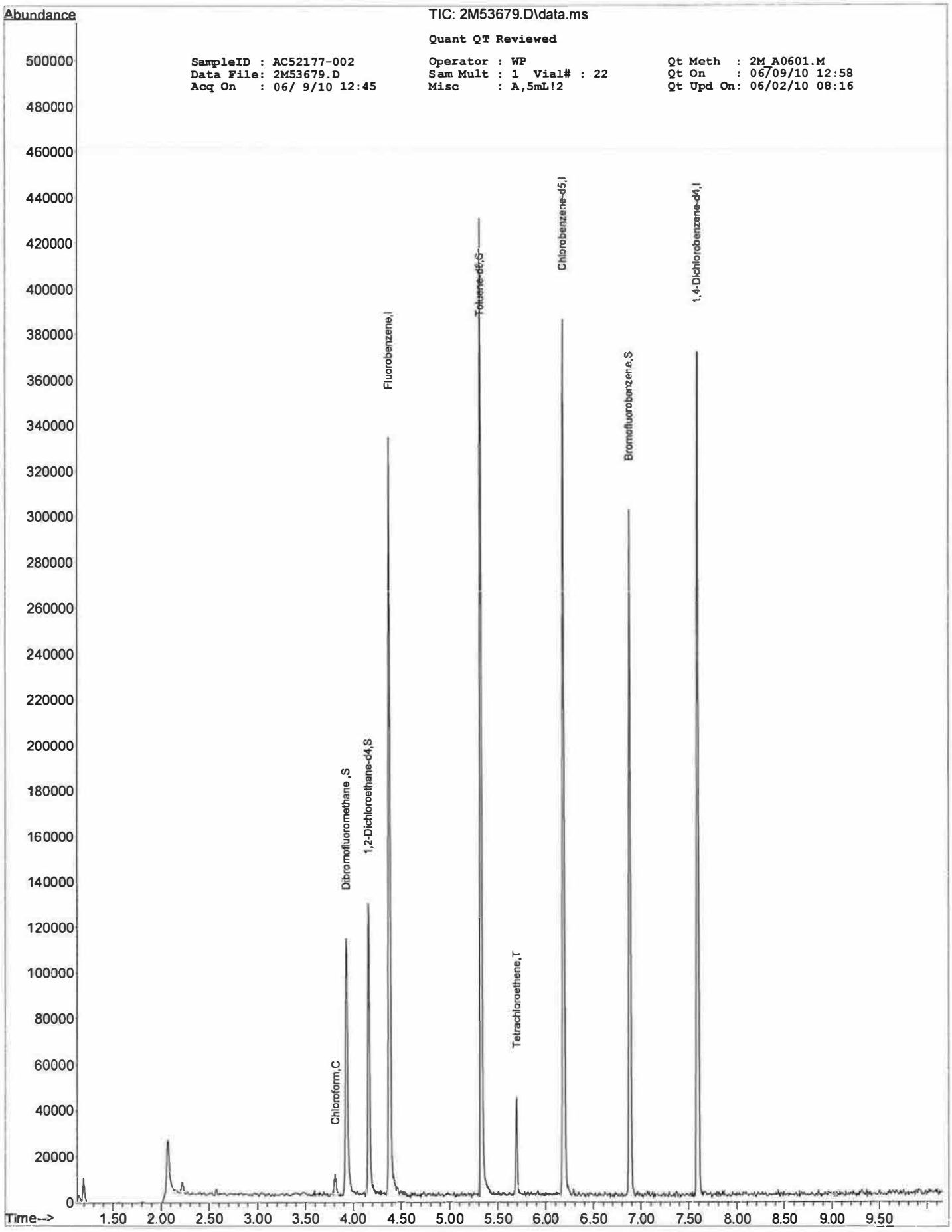
Quantitation Report (QT Reviewed)

SampleIDe: AC52177-002 Operator : WP Qt Meth : 2M_A0601.M
Data File: 2M53679.D Sam Mult : 1 Vial# : 22 Qt On : 06/09/10 12:58
Acq On : 06/ 9/10 12:45 Misc : A,5mL!2 Qt Upd On: 06/02/10 08:16

Data Path : G:\GcMsData\2010\GCMS_2\Data\06-09-10\
Qt Path : G:\GCMSDATA\2010\GCMS_2\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.376	96	189125	30.00	ug/l	-0.01
48) Chlorobenzene-d5	6.187	117	152696	30.00	ug/l	-0.01
63) 1,4-Dichlorobenzene-d4	7.589	152	80623	30.00	ug/l	-0.01
System Monitoring Compounds						
33) Dibromofluoromethane	3.925	111	54659	31.16	ug/l	-0.01
Spiked Amount 30.000			Recovery = 103.87%			
35) 1,2-Dichloroethane-d4	4.159	102	11055	27.44	ug/l	-0.01
Spiked Amount 30.000			Recovery = 91.47%			
59) Toluene-d8	5.327	100	115789	27.54	ug/l	-0.01
Spiked Amount 30.000			Recovery = 91.80%			
67) Bromofluorobenzene	6.879	174	70535	28.53	ug/l	-0.01
Spiked Amount 30.000			Recovery = 95.10%			
Target Compounds						Qvalue
32) Chloroform	3.810	83	5568	1.88	ug/l	91
58) Tetrachloroethene	5.694	164	7338	3.72	ug/l	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 2M53679.D\data.ms
Quant QT Reviewed
SampleID : AC52177-002
Data File: 2M53679.D
Acq On : 06/ 9/10 12:45
Operator : WP
Sam Mult : 1 Vial# : 22
Misc : A,5mL!2
Qt Meth : 2M_A0601.M
Qt On : 06/09/10 12:58
Qt Upd On: 06/02/10 08:16
Chloroform,C
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Tetrachloroethene,T
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC52177-003
Client Id: FB
Data File: 2M53678.D
Analysis Date: 06/09/10 12:28
Date Rec/Extracted: 06/04/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	0.50	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.50	U
75-27-4	Bromodichloromethane	0.50	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 155925

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

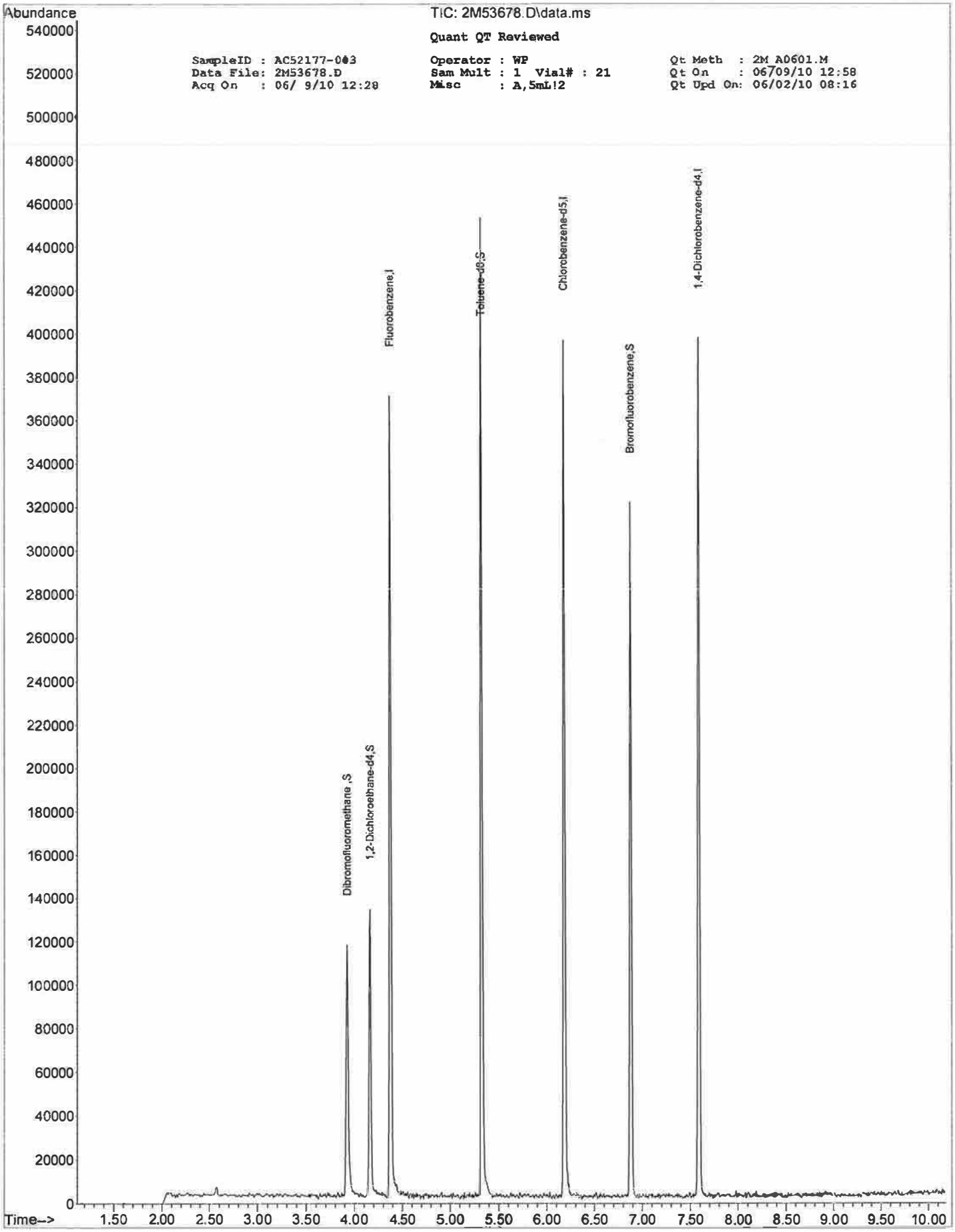
Quantitation Report (QT Reviewed)

SampleIDe: AC52177-003 Operator : WP Qt Meth : 2M_A0601.M
Data File: 2M53678.D Sam Mult : 1 Vial#e: 21 Qt On : 06/09/10 12:58
Acq On : 06/ 9/10 12:28 Misc : A,5mL,2 Qt Upd On: 06/02/10 08:16

Data Path : G:\GcMsData\2010\GCMS_2\Data\06-09-10\
Qt Path : G:\GCMSDATA\2010\GCMS_2\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.375	96	203724	30.00	ug/l	-0.01
48) Chlorobenzene-d5	6.187	117	159528	30.00	ug/l	-0.01
63) 1,4-Dichlorobenzene-d4	7.589	152	89741	30.00	ug/l	-0.01
System Monitoring Compounds						
33) Dibromofluoromethane	3.924	111	57478	30.42	ug/l	-0.01
Spiked Amount 30.000			Recovery = 101.40%			
35) 1,2-Dichloroethane-d4	4.165	102	12402	28.58	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.27%			
59) Toluene-d8	5.326	100	129086	29.39	ug/l	-0.01
Spiked Amount 30.000			Recovery = 97e97%			
67) Bromofluorobenzene	6.879	174	75284	27.36	ug/l	-0.01
Spiked Amount 30.000			Recovery = 91.20%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 2M53678.D\data.ms
Quant QT Reviewed
SampleID : AC52177-003
Data File: 2M53678.D
Acq On : 06/ 9/10 12:29
Operator : WP
Sam Mult : 1 Vial# : 21
Misc : A,5mL!2
Qt Meth : 2M_A0601.M
Qt On : 06/09/10 12:58
Qt Upd On: 06/02/10 08:16
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC52177-004
Client Id: TB
Data File: 2M53677.D
Analysis Date: 06/09/10 12:12
Date Rec/Extracted: 06/04/10-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	0.50	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591278-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.50	U
75-27-4	Bromodichloromethane	0.50	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 155925

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

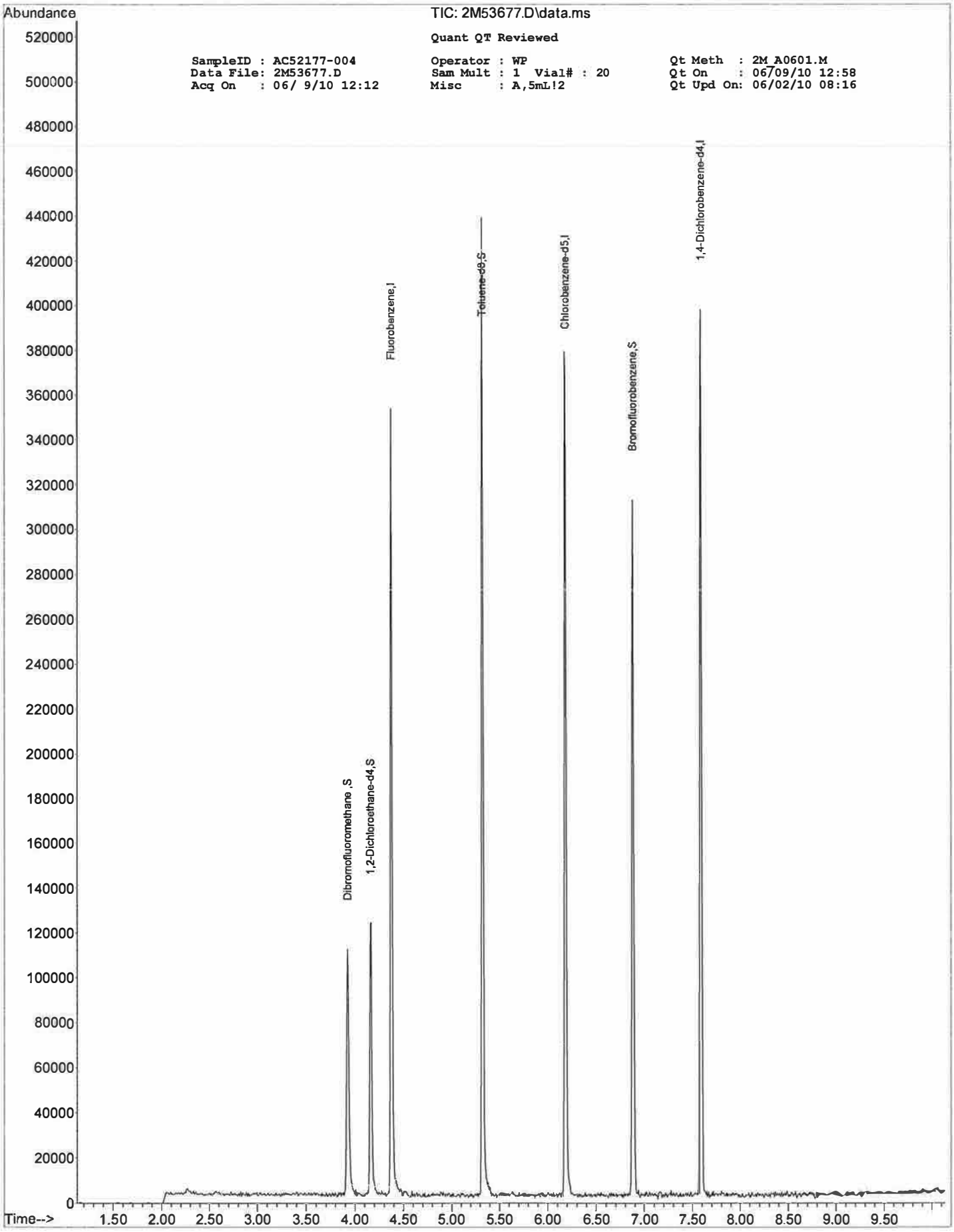
Quantitation Report (QT Reviewed)

SampleIDe: AC52177-004 Operator : WP Qt Meth : 2M_A0601.M
Data File: 2M53677.D Sam Multe: 1 Vial#e: 20 Qt On : 06/09/10 12:58
Acq On : 06/ 9/10 12:12 Misc : A,5mL!2 Qt Upd On: 06/02/10 08:16

Data Path : G:\GcMsData\2010\GCMS_2\Data\06-09-10\
Qt Path : G:\GCMSDATA\2010\GCMS_2\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.376	96	200571	30.00	ug/l	-0.01
48) Chlorobenzene-d5	6.187	117	153936	30.00	ug/l	-0.01
63) 1,4-Dichlorobenzene-d4	7.589	152	92721	30.00	ug/l	-0.01
System Monitoring Compounds						
33) Dibromofluoromethane	3.924	111	55896	30.05	ug/l	-0.01
Spiked Amount 30.000			Recovery =	100.17%		
35) 1,2-Dichloroethane-d4	4.159	102	11869	27.78	ug/l	-0.01
Spiked Amount 30.000			Recovery =	92.60%		
59) Toluene-d8	5.326	100	124120	29.29	ug/l	-0.01
Spiked Amount 30.000			Recovery =	97.63%		
67) Bromofluorobenzene	6.879	174	74027	26.03	ug/l	-0.01
Spiked Amount 30.000			Recovery =	86.77%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+)e=esignals summed


Abundance
TIC: 2M53677.D\data.ms
Quant QT Reviewed
SampleID : AC52177-004
Data File: 2M53677.D
Acq On : 06/ 9/10 12:12
Operator : WP
Sam Mult : 1 Vial# : 20
Misc : A,5mL!2
Qt Meth : 2M_A0601.M
Qt On : 06/09/10 12:58
Qt Upd On: 06/02/10 08:16
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 2M53662.D
Analysis Date: 06/09/10 08:08
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260B
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	0.50	U
95-50-1	1,2-Dichlorobenzene	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	100-41-4	Ethylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	136777612	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	2.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	0.50	U
75-27-4	Bromodichloromethane	0.50	U	79-01-6	Trichloroethene	1.0	U
75-25-2	Bromoform	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
74-83-9	Bromomethane	1.0	U	75-01-4	Vinyl Chloride	1.0	U
75-15-0	Carbon Disulfide	1.0	U				

Worksheet #: 155925

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

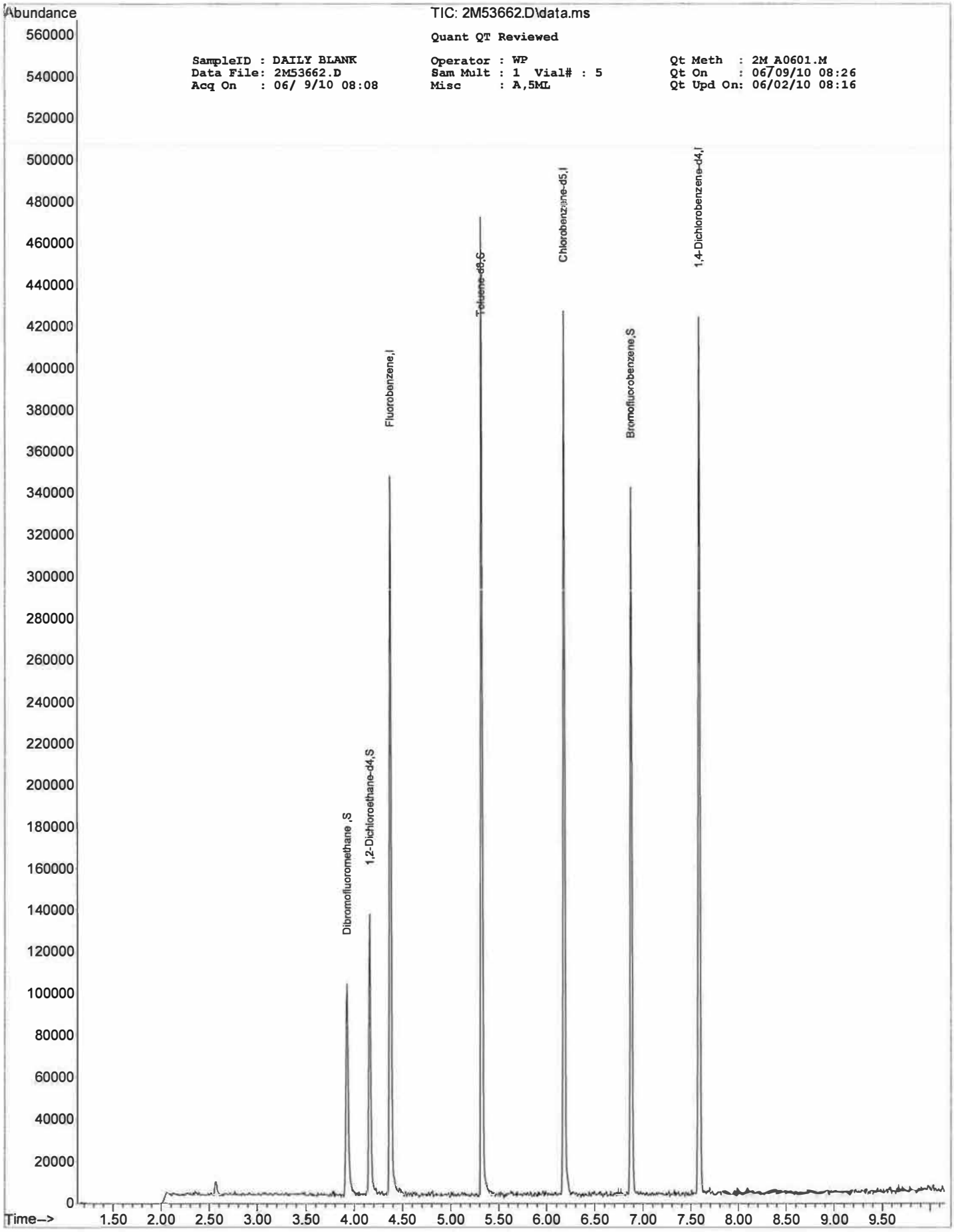
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP Qt Meth : 2M_A0601.M
Data File: 2M53662.D Sam Mult0: 1 Vial# : 5 Qt On : 06/09/10 08:26
Acq On : 06/ 9/10 08:08 Misc : A,5ML Qt Upd On: 06/02/10 08:16

Data Path : G:\GcMsData\2010\GCMS_2\Data\06-09-10\
Qt Path : G:\GCMSDATA\2010\GCMS_2\METHODQT\
Qt Resp Via0: Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.370	96	198623	30.00	ug/l	-0.02
48) Chlorobenzene-d5	6.181	117	166377	30.00	ug/l	-0.02
63) 1,4-Dichlorobenzene-d4	7.583	152	92783	30.00	ug/l	-0.02
System Monitoring Compounds						
33) Dibromofluoromethane	3.925	111	51156	27.77	ug/l	-0.01
Spiked Amount 30.000			Recovery = 92.57%			
35) 1,2-Dichloroethane-d4	4.160	102	12918	30.54	ug/l	-0.01
Spiked Amount 30.000			Recovery = 101.80%			
59) Toluene-d8	5.321	100	130090	28.40	ug/l	-0002
Spiked Amount 30.000			Recovery = 94067%			
67) Bromofluorobenzene	6.873	174	77944	27.39	ug/l	-0.02
Spiked Amount 30.000			Recovery = 91.30%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 2M53662.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 2M53662.D
Acq On : 06/ 9/10 08:08
Operator : WP
Sam Mult : 1 Vial# : 5
Misc : A,5ML
Qt Meth : 2M_A0601.M
Qt On : 06/09/10 08:26
Qt Upd On: 06/02/10 08:16
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

FORM2

Surrogate Recovery

Method: EPA 8260B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
2M53662.D	DAILY BLANK	Aqueous	06/09/10 08:08	1		93	102	95	91		
2M53944.D	DAILY BLANK	Aqueous	06/15/10 09:20	1		96	97	91	90		
2M53680.D	AC52177-001	Aqueous	06/09/10 13:01	1		99	103	93	91		
2M53679.D	AC52177-002	Aqueous	06/09/10 12:45	1		104	91	92	95		
2M53678.D	AC52177-003	Aqueous	06/09/10 12:28	1		101	95	98	91		
2M53677.D	AC52177-004	Aqueous	06/09/10 12:12	1		100	93	98	87		
2M53672.D	MBS16422	Aqueous	06/09/10 10:51	1		96	99	100	91		
2M53688.D	MBS16424	Aqueous	06/09/10 15:10	1		99	106	95	90		
2M53952.D	MBS16492	Aqueous	06/15/10 11:34	1		84	93	92	93		
2M53964.D	AC52280-036(	Aqueous	06/15/10 14:48	1		85	92	91	91		
2M53977.D	AC52280-036(	Aqueous	06/15/10 18:17	1		97	91	94	93		
2M53978.D	AC52280-036(	Aqueous	06/15/10 18:33	1		92	94	96	92		
2M53980.D	MBS16496	Aqueous	06/15/10 19:05	1		96	95	94	93		

Flags: SD=Surrogate diluted out

*=Surrogate out

Method: EPA 8260B

Aqueous Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	74-137
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	74-114
S4=Bromofluorobenzene	30	83-115

Form3

MBS Data

Method: 8260

Data File:==>					2M53672.D			2M53688.D			2M53980.D								
Data/Batch/Sample ID:==>					MBS16422-Aq			MBS16424-Aq			MBS16496-Aq								
Date/Time:==>					06/09/10 10:51			06/09/10 15:10			06/15/10 19:05								
Compound	Limit(s) Soil	Aq	Col	Mr	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec	Conc	Conc Exp	% Rec
1,1-Dichloroethane		44-134	1	0	19.28	20	96	20.49	20	102	18.86	20	94						
1,1-Dichloroethene		21-133	1	0	17.54	20	88	19.12	20	96	18.18	20	91						
1,2-Dichlorobenzen		50-126	1	0	19.24	20	96	20.67	20	103	18	20	90						
1,2-Dichloroethane		43-144	1	0	22.26	20	111	25.25	20	126	21.18	20	106						
1,4-Dichlorobenzen		45-128	1	0	18.12	20	91	18.61	20	93	17.47	20	87						
2-Butanone		25-157	1	0	24.01	20	120	23.33	20	117	19.43	20	97						
Benzene		49-135	1	0	25.58	20	128	26.7	20	134	24.45	20	122						
Carbon Tetrachlorid		42-146	1	0	21.03	20	105	21.42	20	107	19.91	20	100						
Chlorobenzene		51-129	1	0	21.78	20	109	21.95	20	110	20.83	20	104						
Chloroform		40-148	1	0	20.72	20	104	23.06	20	115	20.79	20	104						
n-Propylbenzene		45-135	1	0	21.15	20	106	22.23	20	111	19.84	20	99						
sec-Butylbenzene		43-123	1	0	20.4	20	102	22.46	20	112	20.14	20	101						
Tetrachloroethene		42-138	1	0	20.03	20	100	20.19	20	101	20.13	20	101						
Toluene		53-129	1	0	21.35	20	107	22.18	20	111	20.51	20	103						
Trichloroethene		46-127	1	0	20.37	20	102	22.49	20	112	20.58	20	103						
Vinyl Chloride		21-137	1	0	17.54	20	88	18.69	20	93	16.29	20	81						

Flags/Notes: **** - Values outside of limits for this column/run***

FORM 3

Spike Recovery

Batch Number: MBS16492
Mbs Name: MBS16492
Ns Name: AC52280-036(T)
Ms Name: AC52280-036(T:M
Msd Name: AC52280-036(T:M

Mbs File: 2M53952.D
Non Spk'd File: 2M53964.D
Spike File: 2M53977.D
Spike Dup File: 2M53978.D
Matrix: Aqueous
Method: EPA 8260B

Mbs Date: 06/15/10 11:34
Non Spk'd Date: 06/15/10 14:48
Spike Date.: 06/15/10 18:17
Spike Dup Date: 06/15/10 18:33

Compound	C#	Co	Mr	Conc Exp	Lo Lim	Hi Lim	Rpd Lim	Mbs Conc	Sample Conc	Spike Conc	Spike Dup Conc	Mbs Rec	MS Rec	Msd Rec	Rpd
Vinyl Chloride	9	1	0	20	21	137	30	12.89	0.00	15.53	14.86	64	78	74	4.4
1,1-Dichloroethene	22	1	0	20	21	133	34	14.54	0.00	17.04	17.69	73	85	88	3.7
1,1-Dichloroethane	25	1	0	20	44	134	30	16.30	0.00	17.88	18.14	81	89	91	1.4
Chloroform	32	1	0	20	40	148	37	18.23	0.00	21.46	21.34	91	107	107	0.56
1,2-Dichloroethane	36	1	0	20	43	144	34	19.25	0.00	22.48	22.56	96	112	113	0.36
2-Butanone	37	1	0	20	25	157	47	20.52	0.00	17.17	22.84	103	86	114	28
Carbon Tetrachloride	39	1	0	20	42	146	32	18.20	0.00	20.21	19.62	91	101	98	3
Trichloroethene	45	1	0	20	46	127	30	19.03	0.00	35.22	36.46	95	176 Mo	182 Mo	3.5
Benzene	46	1	0	20	49	135	29	22.80	0.00	24.26	24.46	114	121	122	0.82
Tetrachloroethene	58	1	0	20	42	138	27	19.17	0.00	19.22	19.03	96	96	95	0.99
Toluene	60	1	0	20	53	129	33	18.29	0.00	19.42	20.47	91	97	102	5.3
Chlorobenzene	62	1	0	20	51	129	30	18.76	0.00	19.19	20.08	94	96	100	4.5
1,4-Dichlorobenzene	73	1	0	20	45	128	30	15.99	0.00	16.88	16.86	80	84	84	0.12
1,2-Dichlorobenzene	74	1	0	20	50	126	34	16.72	0.00	17.30	17.84	84	86	89	3.1
n-Propylbenzene	81	1	0	20	45	135	32	18.42	2.20	21.24	21.40	92	95	96	0.75
sec-Butylbenzene	86	1	0	20	43	123	33	18.43	1.65	20.55	20.80	92	94	96	1.2

Note:

Rp = Failed Rpd Criteria **Mo = Failed Recovery Criteria**

^ - Both Ms and Msd Recoveries = 0 ... no valid information can be calculated

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 2M53662.D
Matrix: Aqueous

Blank Analysis Date: 06/09/10 08:08
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
AC52177-001	2M53680.D	06/09/10 13:01
AC52177-002	2M53679.D	06/09/10 12:45
AC52177-003	2M53678.D	06/09/10 12:28
AC52177-004	2M53677.D	06/09/10 12:12
MBS16422	2M53672.D	06/09/10 10:51
MBS16424	2M53688.D	06/09/10 15:10

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 2M53944.D
Matrix: Aqueous

Blank Analysis Date: 06/15/10 09:20
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260B

Sample Number	Data File	Analysis Date
MBS16496	2M53980.D	06/15/10 19:05
AC52280-036(T:M	2M53978.D	06/15/10 18:33
AC52280-036(T:M	2M53977.D	06/15/10 18:17
AC52280-036(T)	2M53964.D	06/15/10 14:48
MBS16492	2M53952.D	06/15/10 11:34

Form 5

Tune Name: BFB TUNE **Data File:** 2M53198.D
Instrument: GCMS 2 **Analysis Date:** 06/01/10 10:03
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.198 to 4.218 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	24.5	8424	PASS
75	95	30	60	46.5	15990	PASS
95	95	100	100	100.0	34402	PASS
96	95	5	9	7.6	2608	PASS
173	174	0.00	2	0.9	293	PASS
174	95	50	100	94.8	32611	PASS
175	174	5	9	6.8	2205	PASS
176	174	95	101	95.8	31244	PASS
177	176	5	9	7.0	2193	PASS

Data File	Sample Number	Analysis Date:
2M53199.D	20 PPB	06/01/10 10:19
2M532012D	BLKJUG#2	06/01/10 10:41
2M53202.D	1 PPB	06/01/10 10:58
2M53203.D	CAL @ 0.5 PPB	06/01/10 11:18
2M53204.D	CAL @ 5 PPB	06/01/10 11:36
2M53205.D	CAL @ 500 PPB	06/01/10 11:52
2M53206.D	CAL @ 250 PPB	06/01/10 12:08
2M53207.D	CAL @ 100 PPB	06/01/10 12:24
2M53208.D	CAL @ 50 PPB	06/01/10 12:41
2M53209.D	CAL @ 20 PPB	06/01/10 12:57
2M53210.D	CAL @ 10 PPB	06/01/10 13:13
2M532112.D	50 PPB	06/01/10 13:30
2M53212.D	50 PPB	06/01/10 13:46
2M53213.D	BLKJUG#2	06/01/10 14:02
2M53214.D	CAL @ 1 PPB	06/01/10 14:18
2M53215.D	ICV	06/01/10 14:35
2M53216.D	BLK	06/01/10 14:52
2M53217.D	DAILY BLANK	06/01/10 15:08
2M53218.D	DAILY BLANK	06/01/10 15:25
2M53219.D	MBS16298	06/01/10 15:41
2M53220.D	MBS16300	06/01/10 15:58
2M53221.D	AC51924-028(T)	06/01/10 16:14
2M53222.D	AC51924-029(T)	06/01/10 16:30
2M53223.D	AC52024-004	06/01/10 16:47
2M53224.D	AC52024-005	06/01/10 17:03
2M53225.D	AC52024-007	06/01/10 17:19
2M53226.D	AC52003-016	06/01/10 17:35
2M53227.D	AC52003-015	06/01/10 17:51
2M53228.D	AC51989-017	06/01/10 18:07
2M53229.D	AC52035-015	06/01/10 18:23
2M53230.D	AC52024-001	06/01/10 18:39
2M532312D	AC52035-003	06/01/10 18:56
2M53232.D	AC52035-011	06/01/10 19:12
2M53233.D	AC51984-002	06/01/10 19:29
2M53234.D	BLK	06/01/10 19:45
2M53235.D	AC51991-001	06/01/10 20:01
2M53236.D	AC51991-003	06/01/10 20:17
2M53237.D	AC51991-004	06/01/10 20:33
2M53238.D	AC51991-006	06/01/10 20:49
2M53239.D	AC51991-005	06/01/10 21:05
2M53240.D	AC51993-004	06/01/10 21:21
2M53241.D	AC51993-005	06/01/10 21:37
2M53242.D	AC51993-004(MS)	06/01/10 21:53
2M53243.D	AC51993-004(MSD	06/01/10 22:09
2M53244.D	BLK	06/01/10 22:25
2M53245.D	BLK	06/01/10 22:41
2M53246.D	AC51993-006	06/01/10 22:57
2M53247.D	MBS16301	06/01/10 23:13
2M53248.D	BLK	06/01/10 23:29
2M53249.D	AC52004-005	06/01/10 23:45
2M53250.D	AC52004-006	06/02/10 00:01
2M53251.D	AC52021-005	06/02/10 00:17
2M53252.D	AC52021-004	06/02/10 00:32
2M53253.D	AC52021-001	06/02/10 00:49
2M53254.D	AC52004-001	06/02/10 01:05
2M53255.D	AC52004-002	06/02/10 01:21
2M53256.D	AC52004-003	06/02/10 01:37
2M53257.D	AC52004-004	06/02/10 01:54
2M53258.D	AC52032-001	06/02/10 02:10
2M53259.D	AC52032-002	06/02/10 02:26
2M53260.D	AC52013-001	06/02/10 02:42
2M532612D	AC52013-002	06/02/10 02:58
2M53262.D	AC52041-009	06/02/10 03:14
2M53263.D	AC52041-010	06/02/10 03:30
2M53264.D	AC52041-011	06/02/10 03:46

Form 5

Tune Name: BFB TUNE **Data File:** 2M53198.D
Instrument: GCMS 2 **Analysis Date:** 06/01/10 10:03
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.198 to 4.218 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	24.5	8424	PASS
75	95	30	60	46.5	15990	PASS
95	95	100	100	100.0	34402	PASS
96	95	5	9	7.6	2608	PASS
173	174	0.00	2	0.9	293	PASS
174	95	50	100	94.8	3261.1	PASS
175	174	5	9	6.8	2205	PASS
176	174	95	101	95.8	31244	PASS
177	176	5	9	7.0	2193	PASS

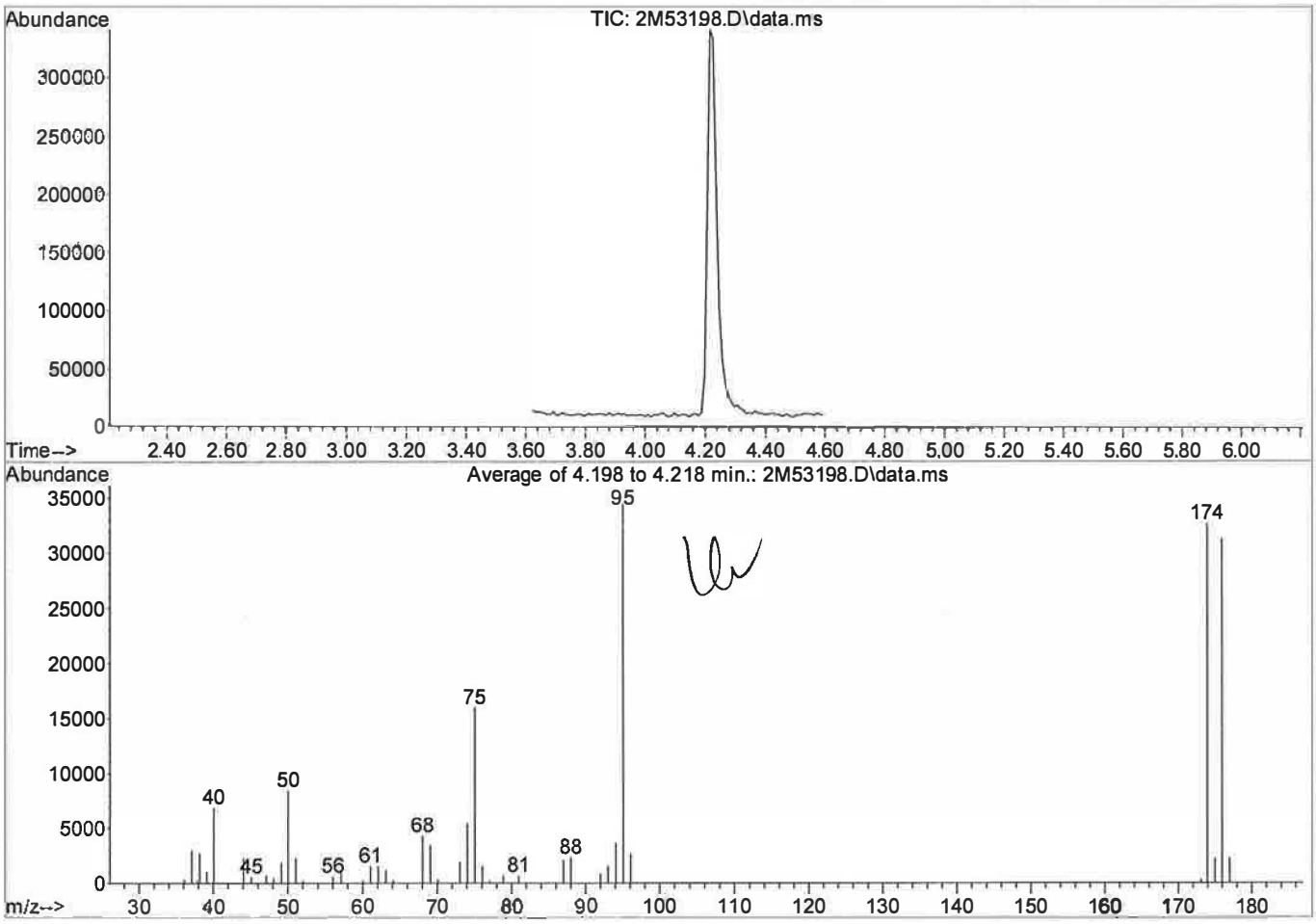
2M53265.D	AC52041-012	06/02/10 04:02
2M53266.D	AC52041-013	06/02/10 04:19
2M53267.D	BLK	06/02/10 04:34
2M53268.D	BLK	06/02/10 04:51
2M53269.D	MBS16302	06/02/10 05:07
2M53270.D	AC52036-001	06/02/10 05:23
2M53271.D	BLK	06/02/10 05:39
2M53272.D	AC51976-001	06/02/10 05:55
2M53273.D	BLK	06/02/10 06:11
2M53274.D	AC52040-001	06/02/10 06:28
2M53275.D	AC52041-010(MS)	06/02/10 06:44
2M53276.D	AC52041-010(MSD	06/02/10 07:00

CLPBFB

Data Path : G:\GcMsData\2010\GCMS_2\Data\06-01-10\
Data File : 2M53198.D
Acq On : 1 Jun 2010 10:03
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2010\GCMS_2\METHODQT\2M_A0504.M
Title : @GCMS_2,ug,624,8260
Last Update : Tue May 04 10:12:32 2010



Spectrum Information: Average of 4.198 to 4.218 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.5	8424	PASS
75	95	30	60	46.5	15990	PASS
95	95	100	100	100.0	34402	PASS
96	95	5	9	7.6	2608	PASS
173	174	0.00	2	0.9	293	PASS
174	95	50	100	94.8	32611	PASS
175	174	5	9	6.8	2205	PASS
176	174	95	101	95.8	31244	PASS
177	176	5	9	7.0	2193	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 2M53658.D
Instrument: GCMS 2 **Analysis Date:** 06/09/10 06:38
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.188 to 4.208 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	26.5	10123	PASS
75	95	30	60	48.5	18535	PASS
95	95	100	100	100.0	38232	PASS
96	95	5	9	7.3	2800	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	96.8	37010	PASS
175	174	5	9	7.9	2940	PASS
176	174	95	101	96.1	35564	PASS
177	176	5	9	7.7	2721	PASS

Data File	Sample Number	Analysis Date:
2M53659.D	CAL @ 20 PPB	06/09/10 07:12
2M53660.D	BLK	06/09/10 07:36
2M53661.D	DAILY BLANK	06/09/10 07:52
2M53662.D	DAILY BLANK	06/09/10 08:08
2M53663.D	AC52075-001	06/09/10 08:25
2M53664.D	AC52075-002	06/09/10 08:41
2M53665.D	AC52075-003	06/09/10 08:57
2M53666.D	AC52075-004	06/09/10 09:13
2M53667.D	AC52075-005	06/09/10 09:29
2M53668.D	AC52075-007	06/09/10 09:46
2M53669.D	AC52075-008	06/09/10 10:02
2M53670.D	AC52075-006	06/09/10 10:18
2M53671.D	AC51822-007(100x	06/09/10 10:35
2M53672.D	MBS16422	06/09/10 10:51
2M53673.D	MBS16423	06/09/10 11:07
2M53674.D	AC52204-019	06/09/10 11:23
2M53675.D	AC52114-003(100	06/09/10 11:40
2M53676.D	BLK	06/09/10 11:56
2M53677.D	AC52177-004	06/09/10 12:12
2M53678.D	AC52177-003	06/09/10 12:28
2M53679.D	AC52177-002	06/09/10 12:45
2M53680.D	AC52177-001	06/09/10 13:01
2M53681.D	AC52175-001	06/09/10 13:17
2M53682.D	AC52185-004	06/09/10 13:33
2M53683.D	AC52175-002	06/09/10 13:48
2M53684.D	AC52185-001	06/09/10 14:04
2M53685.D	AC51822-007	06/09/10 14:21
2M53686.D	AC52104-003(10X)	06/09/10 14:37
2M53687.D	AC52125-001	06/09/10 14:54
2M53688.D	MBS16424	06/09/10 15:10
2M53689.D	BLK	06/09/10 15:26
2M53690.D	AC51822-007	06/09/10 15:42
2M53691.D	AC52144-002(5X)	06/09/10 16:01
2M53692.D	AC52144-006(1000	06/09/10 16:19
2M53693.D	AC52144-005(500	06/09/10 16:35
2M53694.D	AC52144-004(500	06/09/10 16:51
2M53695.D	AC52144-003(200	06/09/10 17:07
2M53696.D	AC52144-002(20X)	06/09/10 17:28
2M53697.D	AC52204-006(MS)	06/09/10 17:47
2M53698.D	AC52204-006(MSD	06/09/10 18:03
2M53699.D	BLKJUG#3	06/09/10 18:19
2M53700.D	BLK	06/09/10 18:34
2M53701.D	MBS16434	06/09/10 18:51
2M53702.D	BLKJUG#1	06/09/10 19:06
2M53703.D	AC52230-004	06/09/10 19:22
2M53704.D	AC52230-005	06/09/10 19:39
2M53705.D	AC52230-003	06/09/10 19:55
2M53706.D	AC52230-002	06/09/10 20:11
2M53707.D	AC52230-001	06/09/10 20:28
2M53708.D	BLK	06/09/10 20:44
2M53709.D	AC52231-001	06/09/10 20:59
2M53710.D	BLK	06/09/10 21:16
2M53711.D	AC52232-001	06/09/10 21:32
2M53712.D	MBS16435	06/09/10 21:48
2M53713.D	AC52184-002(MS)	06/09/10 22:05
2M53714.D	AC52184-002(MSD	06/09/10 22:21
2M53715.D	BLK	06/09/10 22:37
2M53716.D	20 PPB	06/09/10 22:53
2M53717.D	BLK	06/09/10 23:09
2M53718.D	BLK	06/09/10 23:25
2M53719.D	52172-003	06/09/10 23:41
2M53720.D	20 PPB	06/09/10 23:57
2M53721.D	52172-004	06/10/10 00:13
2M53722.D	52172-005	06/10/10 00:29
2M53723.D	52174-001	06/10/10 00:45

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2
Data File: 2M53658.D
Analysis Date: 06/09/10 06:38
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.188 to 4.208 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	26.5	10123	PASS
75	95	30	60	48.5	18535	PASS
95	95	100	100	100.0	38232	PASS
96	95	5	9	7.3	2800	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	96.8	37010	PASS
175	174	5	9	7.9	2940	PASS
176	174	95	101	96.1	35564	PASS
177	176	5	9	7.7	2721	PASS

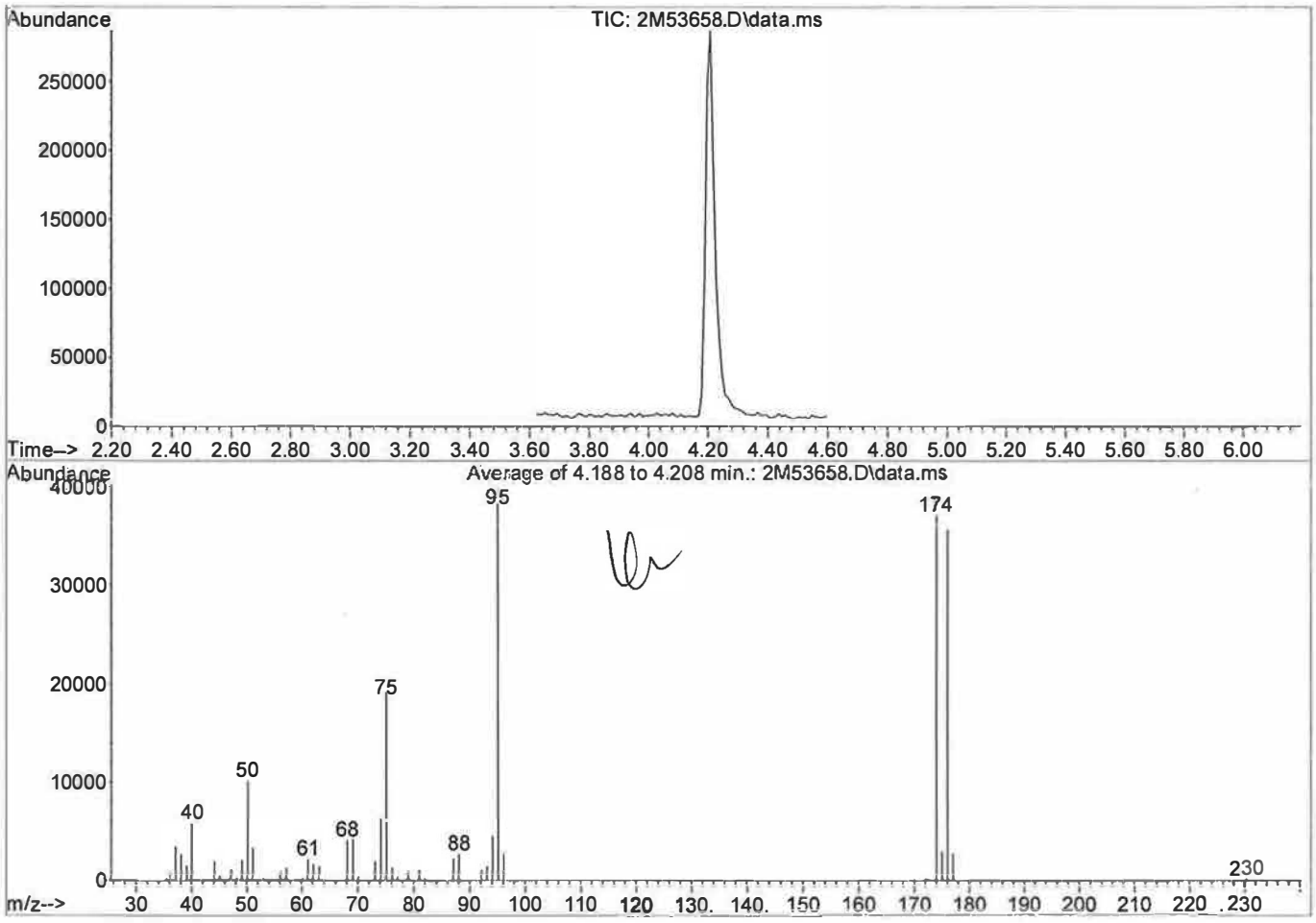
2M53724.D	52174-002	06/10/10 01:01
2M53725.D	52174-003	06/10/10 01:18
2M53726.D	52174-004	06/10/10 01:34
2M53727.D	52174-005	06/10/10 01:50
2M53728.D	52174-006	06/10/10 02:06
2M53729.D	52174-007	06/10/10 02:22
2M53730.D	BLK	06/10/10 02:39
2M53731.D	BLK	06/10/10 02:55
2M53732.D	BLK	06/10/10 03:10
2M53733.D	BLK	06/10/10 03:27

CLPBFB

Data Path : G:\GcMsData\2010\GCMS_2\Data\06-09-10\
Data File : 2M53658.D
Acq On : 9 Jun 2010 6:38
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2010\GCMS_2\METHODQT\2M_A0601.M
Title : @GCMS_2,ug,624,8260
Last Update : Tue Jun 01 15:21:54 2010



Spectrum Information: Average of 4.188 to 4.208 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.5	10123	PASS
75	95	30	60	48.5	18535	PASS
95	95	100	100	100.0	38232	PASS
96	95	5	9	7.3	2800	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	96.8	37010	PASS
175	174	5	9	7.9	2940	PASS
176	174	95	101	96.1	35564	PASS
177	176	5	9	7.7	2721	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 2M53939.D
Instrument: GCMS 2 **Analysis Date:** 06/15/10 07:20
Method: EPA 8260B

Tune Scan/Time Range: Average of 4.105 to 4.124 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	26.1	3270	PASS
75	95	30	60	49.7	6221	PASS
95	95	100	100	100.0	12505	PASS
96	95	5	9	6.7	833	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.5	11947	PASS
175	174	5	9	8.7	1042	PASS
176	174	95	101	98.7	11788	PASS
177	176	5	9	6.3	744	PASS

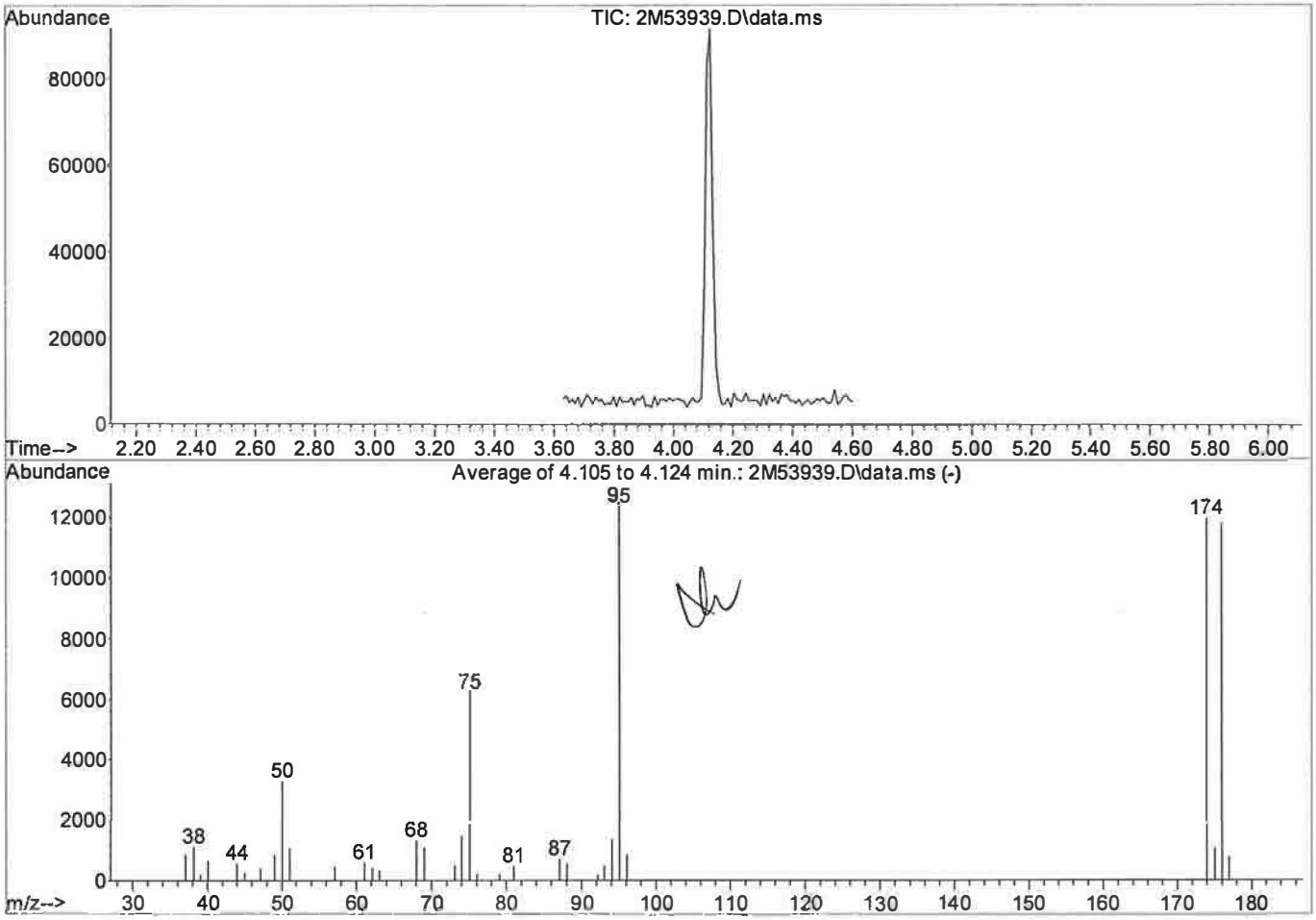
Data File	Sample Number	Analysis Date:
2M53940.D	20 PPB	06/15/10 08:02
2M53941.D	CAL @ 20 PPB	06/15/10 08:30
2M53942.D	BLK	06/15/10 08:48
2M53943.D	DAILY BLANK	06/15/10 09:04
2M53944.D	DAILY BLANK	06/15/10 09:20
2M53945.D	BLKJUG1	06/15/10 09:39
2M53946.D	AC52250-020	06/15/10 09:57
2M53947.D	AC52250-007	06/15/10 10:13
2M53948.D	AC52250-002	06/15/10 10:29
2M53949.D	AC52250-005	06/15/10 10:45
2M53950.D	AC52250-006	06/15/10 11:01
2M53951.D	BLK	06/15/10 11:18
2M53952.D	MBS16492	06/15/10 11:34
2M53953.D	52266-031	06/15/10 11:50
2M53954.D	AC52266-031(T)	06/15/10 12:06
2M53955.D	MBS16493	06/15/10 12:22
2M53956.D	AC52246-001	06/15/10 12:39
2M53957.D	AC52244-002	06/15/10 12:55
2M53958.D	AC52246-002	06/15/10 13:12
2M53959.D	AC52246-003	06/15/10 13:28
2M53960.D	AC52246-004	06/15/10 13:44
2M53961.D	AC52252-007	06/15/10 14:00
2M53962.D	AC52280-034(T)	06/15/10 14:16
2M53963.D	AC52280-035(T)	06/15/10 14:32
2M53964.D	AC52280-036(T)	06/15/10 14:48
2M53965.D	AC52280-037(T)	06/15/10 15:04
2M53966.D	AC52280-034(T)	06/15/10 15:20
2M53967.D	BLK	06/15/10 15:36
2M53968.D	AC52314-011	06/15/10 15:52
2M53969.D	AC52314-012	06/15/10 16:08
2M53970.D	AC52314-013	06/15/10 16:24
2M53971.D	AC52314-014	06/15/10 16:40
2M53972.D	AC52314-015	06/15/10 16:56
2M53973.D	AC52314-016	06/15/10 17:12
2M53974.D	AC52210-007	06/15/10 17:28
2M53975.D	AC52210-006	06/15/10 17:44
2M53976.D	AC52210-005	06/15/10 18:01
2M53977.D	AC52280-036(T:M	06/15/10 18:17
2M53978.D	AC52280-036(T:M	06/15/10 18:33
2M53979.D	AC52299-010	06/15/10 18:49
2M53980.D	MBS16496	06/15/10 19:05
2M53981.D	AC52308-001(MS)	06/15/10 19:21
2M53982.D	AC52308-001(MSD	06/15/10 19:37
2M53983.D	BLK	06/15/10 19:52
2M53984.D	AC52322-001(200	06/15/10 20:08
2M53985.D	BLK	06/15/10 20:24
2M53986.D	AC52322-002(500	06/15/10 20:40
2M53987.D	51346-001(80uL)	06/15/10 20:56
2M53988.D	51346-002(80uL)	06/15/10 21:12
2M53989.D	51346-003(80uL)	06/15/10 21:28
2M53990.D	51346-004(80uL)	06/15/10 21:44
2M53991.D	51346-005(80uL)	06/15/10 22:00
2M53992.D	51346-006(80uL)	06/15/10 22:16
2M53993.D	51346-007(80uL)	06/15/10 22:32
2M53994.D	51346-008(80uL)	06/15/10 22:48
2M53995.D	BLK	06/15/10 23:04
2M53996.D	BLK	06/15/10 23:20
2M53997.D	BLK	06/15/10 23:37
2M53998.D	BLK	06/15/10 23:53
2M53999.D	BLK	06/16/10 00:09

CLPBFB

Data Path : G:\GcMsData\2010\GCMS_2\Data\06-15-10\
Data File : 2M53939.D
Acq On : 15 Jun 2010 7:20
Operator : WP
Sample : BFB TUNE
Misc : A,5ML!2
ALS Vial : 65 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GCMSDATA\2010\GCMS_2\METHODQT\2M_A0601.M
Title : @GCMS_2,ug,624,8260
Last Update : Tue Jun 01 15:21:54 2010



Spectrum Information: Average of 4.105 to 4.124 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.1	3270	PASS
75	95	30	60	49.7	6221	PASS
95	95	100	100	100.0	12505	PASS
96	95	5	9	6.7	833	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.5	11947	PASS
175	174	5	9	8.7	1042	PASS
176	174	95	101	98.7	11788	PASS
177	176	5	9	6.3	744	PASS

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_2

Level#	Data File:	Cal Identifier:	Analysis Date/Time	Level#	Data File:	Cal Identifier:	Analysis Date/Time
1	2M53209.	CAL @ 20 PPB	06/01/10 12:57	2	2M53204.	CAL @ 5 PPB	06/01/10 11:36
3	2M53210.	CAL @ 10 PPB	06/01/10 13:13	4	2M53208.	CAL @ 50 PPB	06/01/10 12:41
5	2M53207.	CAL @ 100 PPB	06/01/10 12:24	6	2M53206.	CAL @ 250 PPB	06/01/10 12:08
7	2M53205.	CAL @ 500 PPB	06/01/10 11:52	8	2M53214.	CAL @ 1 PPB	06/01/10 14:18
9	2M53203.	CAL @ 0.5 PPB	06/01/10 11:18				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Chlorodifluoromethane	1	0	Avg	0.7036	0.6921	0.7120	0.7370	0.7055	0.7427	0.6750	0.5391	-----	0.688	1.24	0.998	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluoromethan	1	0	Avg	0.2851	0.3339	0.3711	0.3524	0.3250	0.3627	0.3120	0.2381	-----	0.323	1.23	0.994	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.4038	0.5518	0.5199	0.4423	0.4599	0.4946	0.5236	0.4423	----	0.480	1.36	0.999	1.00	11	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	LinF	0.1092	0.1681	0.1703	0.1611	0.1426	----	-----	0.1377	-----	0.148	1.64	0.992	0.993	16		20.00	5.00	10.00	50.00	100.0			1.00	
Vinyl Chloride	1	0	Avg	0.2492	0.3082	0.3155	0.2884	0.2612	0.2819	0.2816	0.2646	-----	0.2812	1.43	1.00	1.00	8.1	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	Qua	0.1208	0.2224	0.2000	0.1756	0.1676	0.1554	0.1221	0.2177	-----	0.1732	1.71	0.983	0.999	23		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethane	1	0	LinF	0.3175	0.5325	0.3925	0.3321	0.4054	0.3724	0.3455	0.3189	-----	0.377	1.88	0.998	0.999	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.2-Trichloro-1.2.2-tri	1	0	LinF	0.1884	0.2964	0.2321	0.2303	0.2071	0.2077	0.2137	0.1530	-----	0.216	2.23	1.00	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	LinF	0.3213	0.5280	0.3860	0.3411	0.3317	0.3226	0.3675	0.4395	-----	0.380	2.59	0.996	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	LinF	0.0518	0.0751	0.0590	0.0563	0.0716	0.0540	0.0652	0.0493	-----	0.0603	2.17	0.992	0.996	16		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	LinF	0.1342	0.1793	0.1649	0.1447	0.1439	0.1334	0.1427	0.0878	-----	0.141	2.76	0.999	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Avg	0.5400	0.5728	0.6354	0.6123	0.5837	0.5271	0.5458	0.4537	-----	0.559	2.36	0.999	0.999	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	LinF	0.1053	0.1655	0.1288	0.1111	0.1140	0.1076	0.1331	0.1559	-----	0.128	2.28	0.991	0.999	18		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	LinF	0.8722	1.3903	1.0670	0.9731	0.9230	0.9624	1.1089	0.9158	-----	1.03	2.41	0.996	1.00	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	LinF	0.0207	0.0283	0.0248	0.0249	0.0247	0.0239	0.0301	0.0376	----	0.0269	2.66	0.990	0.999	19		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.2888	0.3715	0.3514	0.3719	0.3188	0.3376	0.3556	0.2657	----	0.333	2.98	0.999	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	1.5729	2.0029	1.7732	1.7150	1.6394	1.5053	1.5600	1.5289	-----	1.66	3.14	0.999	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1-Dichloroethene	1	0	LinF	0.4736	0.7460	0.5814	0.5416	0.5163	----	-----	0.4738	-----	0.555	2.24	0.998	0.998	18	*(30)	20.00	5.00	10.00	50.00	100.0			1.00	
Methyl Acetate	1	0	Avg	0.3377	0.5102	0.4167	0.3639	0.3622	0.3522	0.4281	0.4537	-----	0.403	2.51	0.993	0.999	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	LinF	0.7048	0.9300	0.8330	0.7668	0.7213	0.6705	0.7277	0.7260	1.4990	0.842	2.77	0.999	0.999	31		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1.1-Dichloroethane	1	0	Avg	0.5954	0.9322	0.7330	0.6597	0.6310	0.6248	0.6856	0.6692	----	0.691	3.11	0.998	1.00	15	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
trans-1.2-Dichloroether	1	0	LinF	0.2811	0.4506	0.3312	0.3067	0.2861	0.2781	0.3033	0.2643	----	0.313	2.78	0.998	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1.2-Dichloroethene	1	0	Avg	0.5050	0.7301	0.6265	0.5511	0.5249	0.5527	0.4649	0.4968	----	0.557	3.57	0.993	0.999	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	LinF	0.3497	0.5112	0.3834	0.3467	0.3330	0.3365	0.2970	0.4407	----	0.375	3.77	0.996	1.00	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2.2-Dichloropropane	1	0	Avg	0.3057	0.4501	0.3691	0.3545	0.3455	0.3806	0.3142	0.3214	-----	0.355	3.57	0.991	0.998	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.4-Dioxane	1	0	Avg	0.0034	0.0039	0.0039	0.0038	0.0036	0.0033	0.0027	0.0041	-----	0.00362	4.83	0.988	1.00	12		1000.	250.0	500.0	2500.	5000.	1250	2500	50.00	
1.1-Dichloropropene	1	0	LinF	0.3674	0.5372	0.4641	0.4262	0.3774	0.3518	----	0.3905	----	0.416	4.07	0.998	0.999	16		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Chloroform	1	0	LinF	0.4445	0.7125	0.5454	0.4881	0.4722	0.4694	-----	0.4964	-----	0.518	3.82	1.00	1.00	18	*(30)	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Dibromofluoromethane	1	0	Avg	0.2606	0.3591	0.2712	0.2633	0.2435	0.2292	----	0.2775	0.3213	0.278	3.94	-1	-1	15		30.00	30.00	30.00	30.00	30.00	30.00		30.00	30.00
Cyclohexane	1	0	Avg	0.4824	0.5892	0.5390	0.6011	0.5097	0.5282	0.4111	0.4077	-----	0.509	4.00	0.983	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dichloroethane-d4	1	0	Avg	0.0582	0.0798	0.0657	0.0628	0.0583	0.0578	0.0544	0.0638	0.0738	0.0639	4.17	-1	-1	13		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1.2-Dichloroethane	1	0	LinF	0.4000	0.5750	0.4763	0.4257	0.4129	0.3800	-----	0.4534	0.8869	0.501	4.23	0.999	1.00	33		20.00	5.00	10.00	50.00	100.0	250.0		1.00	0.50
2-Butanone	1	0	Avg	0.1822	0.2314	0.2003	0.1947	0.1931	0.1844	0.1588	0.1622	-----	0.188	3.58	0.994	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.1.1-Trichloroethane	1	0	Avg	0.3205	0.4531	0.3721	0.3618	0.3447	0.3570	0.2977	0.2977	-----	0.351	3.95	0.992	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.2806	0.3903	0.3359	0.3161	0.2942	0.2795	-----	0.2442	----	0.306	4.07	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Vinyl Acetate	1	0	Avg	1.5562	2.1120	1.7520	1.7078	1.6249	1.5126	1.5821	1.7028	-----	1.69	3.14	0.999	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethane	1	0	Avg	0.4287	0.4687	0.5064	0.4597	0.4573	0.4400	-----	0.4952	0.6662	0.490	4.91	1.00	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	0.50
Methylcyclohexane	1	0	Avg	0.3779	0.3356	0.4311	0.4696	0.3994	0.3939	0.2983	0.3599	----	0.383	4.73	0.978	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromomethane	1	0	Avg	0.3134	0.3327	0.3833	0.3395	0.3174	0.2834	-----	0.3834	----	0.336	4.83	0.997	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1.2-Dichloropropane	1	0	Avg	0.4319	0.4868	0.5099	0.4493	0.4357	0.3989	0.3216	0.4196	-----	0.432	4.75	0.986	1.00	13	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.3489	0.3657	0.4037	0.3695	0.3484	0.3211	0.2530	0.3695	-----	0.348	4.61	0.983	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria ** - ccc compound*
b - failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 13.9
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form 6
Initial Calibration

Method: EPA 8260B

Instrument: GCMS_2

Level#	Data File:	Cal Identifier:	Analysis Date/Time	Level#	Data File:	Cal Identifier:	Analysis Date/Time
1	2M53209.	CAL @ 20 PPB	06/01/10 12:57	2	2M53204.	CAL @ 5 PPB	06/01/10 11:36
3	2M53210.	CAL @ 10 PPB	06/01/10 13:13	4	2M53208.	CAL @ 50 PPB	06/01/10 12:41
5	2M53207.	CAL @ 100 PPB	06/01/10 12:24	6	2M53206.	CAL @ 250 PPB	06/01/10 12:08
7	2M53205.	CAL @ 500 PPB	06/01/10 11:52	8	2M53214.	CAL @ 1 PPB	06/01/10 14:18
9	2M53203.	CAL @ 0.5 PPB	06/01/10 11:18				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd		Calibration Level Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
Benzene	1	0	LinF	1.2092	1.6799	1.4531	1.2613	1.1751	0.9926	----	1.4014	2.6865	1.48	4.21	0.994	1.00	36		20.00	5.00	10.00	50.00	100.0	250.0		1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.7027	0.8088	0.8073	0.7856	0.7433	0.6847	0.5640	0.7121	-----	0.726	4.27	0.989	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethane	1	0	Avg	0.4763	0.4784	0.5139	0.4851	0.4842	0.5040	0.4301	0.5150	0.6034	0.499	5.86	0.994	0.999	9.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Chloroethylvinylether	1	0	Avg	0.3107	0.2699	0.3401	0.3414	0.3311	0.3493	0.3060	0.2584	-----	0.313	5.08	0.996	0.999	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,3-Dichloropropene	1	0	Avg	0.6694	0.6442	0.7381	0.7482	0.7240	0.7659	0.6394	0.6446	0.9051	0.720	5.18	0.992	0.999	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
trans-1,3-Dichloropropene	1	0	Avg	0.5887	0.5661	0.6477	0.6459	0.6396	0.6790	0.5706	0.5557	0.7034	0.622	5.50	0.993	0.999	8.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
1,1,2-Trichloroethane	1	0	Avg	0.3870	0.4000	0.4284	0.4072	0.3858	0.3941	0.3215	0.3517	-----	0.384	5.62	0.989	0.999	8.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromoethane	1	0	Avg	0.4210	0.4182	0.4706	0.4520	0.4540	0.4629	0.3967	0.5055	-----	0.448	5.93	0.994	0.999	7.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichloropropane	1	0	Avg	0.7088	0.7422	0.7961	0.7340	0.6965	0.6606	0.5121	0.7926	-----	0.705	5.71	0.981	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.5540	0.4988	0.6009	0.6084	0.6209	0.6629	0.5927	0.5464	-----	0.586	5.26	0.997	0.999	8.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	Avg	0.3949	0.3481	0.4256	0.4529	0.4623	0.4787	0.4361	0.4125	-----	0.426	5.75	0.998	1.00	9.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.3818	0.3908	0.4480	0.4219	0.3976	0.3633	0.2672	0.4305	-----	0.388	5.70	0.971	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	0.8253	0.8059	0.7846	0.8344	0.8094	0.8678	0.9378	0.7904	0.7773	0.826	5.34	-1	-1	6.1		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.9471	1.0390	1.0894	1.0113	0.9381	0.8767	0.6751	0.9875	-----	0.946	5.38	0.980	1.00	13	*(30)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,1,2-Tetrachloroethane	1	0	LinF	0.3814	0.4025	0.4321	0.4014	0.3699	0.3335	-----	0.4487	0.6104	0.423	6.25	0.997	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0		1.00	0.50
Chlorobenzene	1	0	Avg	1.0969	1.2080	1.2989	1.1519	1.0952	1.0232	0.7791	1.1742	-----	1.10	6.22	0.978	1.00	14	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.6207	0.6684	0.7392	0.6859	0.7007	0.7487	0.6593	0.8316	-----	0.707	6.71	0.996	0.999	9.3	**(0.100)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.7857	0.8678	0.8803	0.7965	0.6693	-----	-----	0.6570	-----	0.776	6.27	0.992	0.999	12	*(30)	20.00	5.00	10.00	50.00	100.0			1.00	
1,1,2,2-Tetrachloroethane	1	0	LinF	0.9097	0.9746	1.0744	0.9351	0.9407	0.9474	0.8211	1.3989	-----	1.00	6.96	0.995	1.00	18	**(0.300)	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.8957	0.8627	0.8777	0.8949	0.9193	1.0127	1.0517	0.8869	0.8782	0.920	6.89	-1	-1	7.2		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.8690	1.9659	2.1636	1.9185	1.7654	1.4171	----	1.6525	-----	1.82	6.58	0.989	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
m&p-Xylenes	1	0	LinF	1.0591	1.1518	1.2205	1.0524	0.9502	-----	-----	1.2682	1.8657	1.22	6.33	0.997	1.00	25		40.00	10.00	20.00	100.0	200.0			2.00	1.00
o-Xylene	1	0	Avg	1.0749	1.1258	1.2344	1.0670	0.9959	0.8126	-----	1.0965	-----	1.06	6.57	0.991	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
trans-1,4-Dichloro-2-bu	1	0	Avg	0.2480	0.2519	0.2914	0.2687	0.2604	0.2441	-----	0.3625	-----	0.275	6.99	0.999	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,3-Dichlorobenzene	1	0	Avg	1.5515	1.7142	1.8200	1.5871	1.5091	1.2744	----	2.0186	-----	1.64	7.57	0.994	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,4-Dichlorobenzene	1	0	Avg	1.6506	1.7785	1.8643	1.6455	1.6395	1.5069	-----	2.1575	----	1.75	7.61	0.999	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,2-Dichlorobenzene	1	0	Avg	1.5621	1.7076	1.7973	1.6284	1.5896	1.4838	1.1809	1.8637	----	1.60	7.85	0.985	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	2.5320	2.6734	2.9506	2.8212	2.6755	2.4932	1.8554	2.4428	-----	2.56	6.78	0.974	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0310	0.0300	0.0384	0.0380	0.0400	0.0412	0.0377	0.0388	-----	0.0369	6.87	0.998	1.00	11		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
1,2,3-Trichloropropane	1	0	Avg	0.9923	1.0410	1.1459	1.0366	1.0256	0.8981	-----	1.3611	----	1.07	6.99	0.997	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
2-Chlorotoluene	1	0	Avg	1.6298	1.8491	2.0596	1.6645	1.5063	----	-----	2.0660	----	1.80	7.10	0.997	0.999	13		20.00	5.00	10.00	50.00	100.0			1.00	
p-Ethyltoluene	1	0	Avg	2.7850	2.9974	3.2647	2.8394	2.5390	2.0218	-----	2.9207	----	2.77	7.10	0.988	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
4-Chlorotoluene	1	0	Avg	1.5915	1.8047	1.8715	1.6597	1.6146	1.4574	-----	1.8733	----	1.70	7.16	0.998	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Propylbenzene	1	0	Avg	3.2492	3.4328	3.7957	3.4172	3.3154	3.1312	2.4128	3.5101	----	3.28	7.03	0.980	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.5796	1.7523	1.9326	1.6004	1.5120	1.3352	----	1.7098	----	1.63	6.99	0.997	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,3,5-Trimethylbenzene	1	0	Avg	2.0155	2.2989	2.4056	2.0990	2.0904	1.8892	1.4280	2.2522	-----	2.06	7.13	0.976	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	2.0196	1.9849	2.2701	2.1643	2.0432	1.9012	1.4121	1.9709	-----	1.97	7.34	0.974	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzene	1	0	Avg	2.3156	2.4051	2.6656	2.3564	2.2894	2.0578	1.5418	2.3128	-----	2.24	7.37	0.974	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	2.4716	2.4763	2.7976	2.7516	2.6263	2.4489	1.9081	2.5282	-----	2.50	7.47	0.982	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	1.9413	2.1099	2.3044	2.0935	1.9345	1.6573	-----	1.9068	-----	1.99	7.55	0.995	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Butylbenzene	1	0	Avg	2.2821	2.3274	2.6615	2.4592	2.3446	2.1076	1.6208	2.2939	-----	2.26	7.81	0.979	1.00	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Avg Rsd: 13.9

Flags

a - failed the spcc criteria ** - ccc compound*

b - failed the ccc criteria *** - spcc compound*

c - failed the minimum correlation coeff criteria(if applicable)

Note:

Corr 1 = Correlation Coefficient for linear Eq.

Corr 2 = Correlation Coefficient for quad Eq.

Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Method: EPA 8260B

Form 6
Initial Calibration

Instrument: GCMS_2

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level.#:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M53209.	CAL @ 20 PPB	06/01/10 12:57	2	2M53204.	CAL @ 5 PPB	06/01/10 11:36
3	2M53210.	CAL @ 10 PPB	06/01/10 13:13	4	2M53208.	CAL @ 50 PPB	06/01/10 12:41
5	2M53207.	CAL @ 100 PPB	06/01/10 12:24	6	2M53206.	CAL @ 250 PPB	06/01/10 12:08
7	2M53205.	CAL @ 500 PPB	06/01/10 11:52	8	2M53214.	CAL @ 1 PPB	06/01/10 14:18
9	2M53203.	CAL @ 0.5 PPB	06/01/10 11:18				

Compound	Col	Mr	Fit:	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRf	RT	Corr1	Corr2	%Rsd	Calibration Level.Concentrations Lvl1	Lvl2	Lvl3	Lvl4	Lvl5	Lvl6	Lvl7	Lvl8	Lvl9
o-Diethylbenzene	1	0	Avg	1.3233	1.2842	1.4620	1.4079	1.3186	1.1801	0.8648	1.2796	—	1.27	7.79	0.970	1.00	14	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4.5-Tetramethylber	1	0	Avg	1.9471	1.6809	2.0896	2.0230	1.9998	1.8224	1.4562	1.7379	—	1.84	8.29	0.985	1.00	12	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2-Dibromo-3-Chloroo	1	0	LinF	0.2181	0.2134	0.2463	0.2248	0.2392	0.2544	0.2469	0.3899	—	0.254	8.35	1.00	1.00	22	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Hexachlorobutadiene	1	0	Avg	0.4967	0.4364	0.5694	0.5226	0.4895	0.5000	0.4116	0.5541	—	0.498	8.97	0.990	0.999	11	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.4-Trichlorobenzene	1	0	Avg	1.1313	0.9491	1.2732	1.1519	1.1691	1.0830	0.9262	1.4737	—	1.14	8.88	0.993	1.00	15	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1.2.3-Trichlorobenzene	1	0	LinF	1.0980	1.0124	1.2419	1.1261	1.0937	1.0371	—	1.7347	—	1.19	9.21	0.999	1.00	21	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Naohthalene	1	0	Avg	2.2089	1.8581	2.4590	2.3286	2.3740	2.2021	2.0001	2.8612	—	2.29	9.05	0.997	1.00	13	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags
a - failed the spcc criteria ** - ccc compound*
be- failed the ccc criteria *** - spcc compound*
c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 13.9
Corr 1 = Correlation Coefficient for linear Eq.
Corr 2 = Correlation Coefficient for quad Eq.
Fit = Indicates whether Avg RF, Linear, or Quadratic Curve was used for compound.

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M53659.D **Instrument:** GCMS 2

Cont Calibration Date/Time 6/9/2010 7:12:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.37	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.24	15.89				0.688			
Dichlorodifluoromethane	1	0		1.23	13.94	20			0.323	0.225	30.30	
Chloromethane	1	0	CP	1.34	15.07	20	0.1		0.480	0.362	24.65	
Bromomethane	1	0		1.64	14.74	20			0.148	0.107	26.30	
Vinyl Chloride	1	0	CC	1.41	16.52	20	20		0.281	0.232	17.40	
Chloroethane	1	0		1.69	15.33	20			0.173	0.140	23.35	
Trichlorofluoromethane	1	0		1.87	22.24	20			0.377	0.392	11.20	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.22	23.58	20			0.216	0.250	17.90	
Methylene Chloride	1	0		2.57	21.11	20			0.380	0.377	5.55	
Acrolein	1	0		2.16	84.66	100			0.060	0.054	15.34	
Acrylonitrile	1	0		2.75	20.48	20			0.141	0.144	2.40	
Iodomethane	1	0		2.34	17.77	20			0.559	0.496	11.15	
Acetone	1	0		2.26	86.59	100			0.128	0.110	13.41	
Carbon Disulfide	1	0		2.39	18.30	20			1.027	0.983	8.50	
t-Butyl Alcohol	1	0		2.64	70.67	100			0.027	0.020	29.33	
n-Hexane	1	0		2.96	21.10	20			0.333	0.351	5.50	
Di-isopropyl-ether	1	0		3.12	18.21	20			1.662	1.514	8.95	
1.1-Dichloroethene	1	0	CC	2.22	21.22	20	20		0.555	0.553	6.10	
Methyl Acetate	1	0		2.49	16.66	20			0.403	0.336	16.70	
Methyl-t-butyl ether	1	0		2.75	19.12	20			0.842	0.685	4.40	
1.1-Dichloroethane	1	0	CP	3.09	18.45	20	0.1		0.691	0.638	7.75	
trans-1.2-Dichloroethene	1	0		2.76	22.14	20			0.313	0.330	10.70	
cis-1.2-Dichloroethene	1	0		3.55	22.78	20			0.557	0.634	13.90	
Bromochloromethane	1	0		3.74	23.13	20			0.375	0.354	15.65	
~~2.2-Dichloropropane~~	1	0		3.55	23.13	20			0.355	0.411	~~15.65~~	
1.4-Dioxane	1	0		4.81	987.64	1000			0.004	0.004	1.24	
1.1-Dichloropropene	1	0		4.05	23.91	20			0.416	0.428	19.55	
Chloroform	1	0	CC	3.80	21.21	20	20		0.518	0.499	6.05	
Dibromofluoromethane	1	0	S	3.92	27.85	30			0.278	0.258	7.17	
Cyclohexane	1	0		3.98	21.21	20			0.509	0.539	6.05	
1.2-Dichloroethane-d4	1	0	S	4.16	30.18	30			0.064	0.064	0.60	
1.2-Dichloroethane	1	0		4.21	23.10	20			0.501	0.446	15.50	
2-Butanone	1	0		3.56	18.00	20			0.188	0.170	10.00	
1.1.1-Trichloroethane	1	0		3.94	20.13	20			0.351	0.353	0.65	
Carbon Tetrachloride	1	0		4.06	20.46	20			0.306	0.313	2.30	
Vinyl Acetate	1	0		3.12	18.15	20			1.694	1.537	9.25	
Bromodichloromethane	1	0		4.89	19.04	20			0.490	0.467	4.80	
Methylcyclohexane	1	0		4.71	23.53	20			0.383	0.451	17.65	
Dibromomethane	1	0		4.81	18.77	20			0.336	0.316	6.15	
1.2-Dichloropropane	1	0	CC	4.74	19.42	20	20		0.432	0.419	2.90	
Trichloroethene	1	0		4.60	20.97	20			0.348	0.364	4.85	
Benzene	1	0		4.20	25.98	20			1.482	1.335	29.90	
tert-Amyl methyl ether	1	0		4.26	17.52	20			0.726	0.636	12.40	
Chlorobenzene-d5	1	0	I	6.18	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		5.84	19.60	20			0.499	0.489	2.00	
2-Chloroethylvinylether	1	0		5.06	19.67	20			0.313	0.308	1.65	
cis-1.3-Dichloropropene	1	0		5.16	20.41	20			0.720	0.735	2.05	
trans-1.3-Dichloropropene	1	0		5.48	19.76	20			0.622	0.614	1.20	
1.1.2-Trichloroethane	1	0		5.60	20.11	20			0.385	0.387	0.55	
1.2-Dibromoethane	1	0		5.92	19.82	20			0.448	0.444	0.90	
1.3-Dichloropropane	1	0		5.70	20.87	20			0.705	0.736	4.35	
4-Methyl-2-Pentanone	1	0		5.24	16.37	20			0.586	0.479	18.15	
2-Hexanone	1	0		5.73	16.93	20			0.426	0.361	15.35	
Tetrachloroethene	1	0		5.69	21.26	20			0.388	0.412	6.30	
Toluene-d8	1	0	S	5.32	30.71	30			0.826	0.845	2.37	
Toluene	1	0	CC	5.36	22.33	20	20		0.946	1.056	11.65	
1.1.1.2-Tetrachloroethane	1	0		6.24	23.56	20			0.423	0.402	17.80	
Chlorobenzene	1	0	CP	6.20	22.05	20	0.3		1.103	1.217	10.25	
1.4-Dichlorobenzene-d4	1	0	I	7.58	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.69	17.12	20	0.1		0.707	0.605	14.40	
Ethylbenzene	1	0	CC	6.25	20.29	20	20		0.776	0.788	1.45	
1.1.2.2-Tetrachloroethane	1	0	CP	6.95	21.13	20	0.3		1.000	0.898	5.65	
Bromofluorobenzene	1	0	S	6.87	28.63	30			0.920	0.878	4.57	
Styrene	1	0		6.56	22.44	20			1.822	2.044	12.20	
m&p-Xylenes	1	0		6.31	47.22	40			1.224	1.152	18.05	
o-Xylene	1	0		6.55	21.44	20			1.058	1.134	7.20	
trans-1.4-Dichloro-2-butene	1	0		6.98	20.48	20			0.275	0.282	2.40	
1.3-Dichlorobenzene	1	0		7.55	20.38	20			1.639	1.670	1.90	
1.4-Dichlorobenzene	1	0		7.60	19.64	20			1.749	1.718	1.80	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M53659.D **Instrument:** GCMS 2

Cont Calibration Date/Time 6/9/2010 7:12:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.2-Dichlorobenzene	1	0		7.84	20.05	20			1.602	1.606	0.25	
Isopropylbenzene	1	0		6.77	21.88	20			2.556	2.796	9.40	
Cyclohexanone	1	0		6.85	77.09				0.037			
1.2.3-Trichloropropane	1	0		6.98	18.69	20			1.072	1.001	6.55	
2-Chlorotoluene	1	0		7.08	22.18	20			1.796	1.992	10.90	
p-Ethyltoluene	1	0		7.08	21.27				2.767			
4-Chlorotoluene	1	0		7.15	20.91	20			1.696	1.773	4.55	
n-Propylbenzene	1	0		7.02	21.88	20			3.283	3.592	9.40	
Bromobenzene	1	0		6.98	20.09	20			1.632	1.639	0.45	
1.3.5-Trimethylbenzene	1	0		7.11	21.84	20			2.060	2.250	9.20	
t-Butylbenzene	1	0		7.32	21.54	20			1.971	2.123	7.70	
1.2.4-Trimethylbenzene	1	0		7.35	21.69	20			2.243	2.432	8.45	
sec-Butylbenzene	1	0		7.46	21.97	20			2.501	2.748	9.85	
4-Isopropyltoluene	1	0		7.54	22.41	20			1.993	2.232	12.05	
n-Butylbenzene	1	0		7.79	23.06	20			2.262	2.608	15.30	
p-Diethylbenzene	1	0		7.77	22.20				1.265			
1.2.4.5-Tetramethylbenzene	1	0		8.27	20.98				1.845			
1.2-Dibromo-3-Chloropropane	1	0		8.33	16.22	20			0.254	0.201	18.90	
Hexachlorobutadiene	1	0		8.95	17.21	20			0.498	0.428	13.95	
1.2.4-Trichlorobenzene	1	0		8.87	16.59	20			1.145	0.949	17.05	
1.2.3-Trichlorobenzene	1	0		9.19	17.22	20			1.192	0.902	13.90	
Naphthalene	1	0		9.03	17.40	20			2.287	1.990	13.00	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M53941.D **Instrument:** GCMS 2

Cont Calibration Date/Time 6/15/2010 8:30:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
Fluorobenzene	1	0	I	4.38	30.00	30				0.000	0.00	
Chlorodifluoromethane	1	0		1.23	14.71				0.688			
Dichlorodifluoromethane	1	0		1.23	14.23	20			0.323	0.229	28.85	
Chloromethane	1	0	CP	1.34	19.01	20	0.1		0.480	0.456	4.95	
Bromomethane	1	0		1.64	19.73	20			0.148	0.143	1.35	
Vinyl Chloride	1	0	CC	1.41	18.19	20	20		0.281	0.256	9.05	
Chloroethane	1	0		1.69	17.19	20			0.173	0.157	14.05	
Trichlorofluoromethane	1	0		1.88	22.47	20			0.377	0.396	12.35	
1.1.2-Trichloro-1.2.2-trifluoroetha	1	0		2.22	20.32	20			0.216	0.216	1.60	
Methylene Chloride	1	0		2.57	18.70	20			0.380	0.334	6.50	
Acrolein	1	0		2.16	76.27	100			0.060	0.048	23.73	
Acrylonitrile	1	0		2.76	19.94	20			0.141	0.141	0.30	
Iodomethane	1	0		2.34	16.60	20			0.559	0.464	17.00	
Acetone	1	0		2.26	86.34	100			0.128	0.110	13.66	
Carbon Disulfide	1	0		2.39	16.21	20			1.027	0.871	18.95	
t-Butyl Alcohol	1	0		2.64	69.51	100			0.027	0.020	30.49	
n-Hexane	1	0		2.96	16.51	20			0.333	0.275	17.45	
Di-isopropyl-ether	1	0		3.12	16.37	20			1.662	1.360	18.15	
1.1-Dichloroethene	1	0	CC	2.23	17.41	20	20		0.555	0.453	12.95	
Methyl Acetate	1	0		2.49	15.98	20			0.403	0.322	20.10	
Methyl-t-butyl ether	1	0		2.77	20.35	20			0.842	0.730	1.75	
1.1-Dichloroethane	1	0	CP	3.09	16.66	20	0.1		0.691	0.576	16.70	
trans-1.2-Dichloroethene	1	0		2.77	21.15	20			0.313	0.315	5.75	
cis-1.2-Dichloroethene	1	0		3.56	20.01	20			0.557	0.557	0.05	
Bromochloromethane	1	0		3.75	20.91	20			0.375	0.320	4.55	
2.2-Dichloropropane	1	0		3.55	21.24	20			0.355	0.377	6.20	
1.4-Dioxane	1	0		4.82	1072.25	1000			0.004	0.004	7.23	
1.1-Dichloropropene	1	0		4.06	19.78	20			0.416	0.354	1.10	
Chloroform	1	0	CC	3.80	20.30	20	20		0.518	0.478	1.50	
Dibromofluoromethane	1	0	S	3.92	29.57	30			0.278	0.274	1.43	
Cyclohexane	1	0		3.98	15.30	20			0.509	0.389	23.50	
1.2-Dichloroethane-d4	1	0	S	4.16	32.70	30			0.064	0.070	9.00	
1.2-Dichloroethane	1	0		4.21	22.32	20			0.501	0.431	11.60	
2-Butanone	1	0		3.56	18.69	20			0.188	0.176	6.55	
1.1.1-Trichloroethane	1	0		3.94	17.58	20			0.351	0.308	12.10	
Carbon Tetrachloride	1	0		4.06	17.99	20			0.306	0.275	10.05	
Vinyl Acetate	1	0		3.12	16.33	20			1.694	1.383	18.35	
Bromodichloromethane	1	0		4.90	18.37	20			0.490	0.450	8.15	
Methylcyclohexane	1	0		4.71	16.61	20			0.383	0.318	16.95	
Dibromomethane	1	0		4.82	18.35	20			0.336	0.308	8.25	
1.2-Dichloropropane	1	0	CC	4.74	17.45	20	20		0.432	0.377	12.75	
Trichloroethene	1	0		4.60	18.48	20			0.348	0.321	7.60	
Benzene	1	0		4.20	22.52	20			1.482	1.157	12.60	
tert-Amyl methyl ether	1	0		4.26	17.62	20			0.726	0.640	11.90	
Chlorobenzene-d5	1	0	I	6.18	30.00	30				0.000	0.00	
Dibromochloromethane	1	0		5.84	17.70	20			0.499	0.441	11.50	
2-Chloroethylvinylether	1	0		5.07	16.05	20			0.313	0.252	19.75	
cis-1.3-Dichloropropene	1	0		5.16	16.69	20			0.720	0.601	16.55	
trans-1.3-Dichloropropene	1	0		5.49	17.03	20			0.622	0.529	14.85	
1.1.2-Trichloroethane	1	0		5.60	18.48	20			0.385	0.355	7.60	
1.2-Dibromoethane	1	0		5.92	18.35	20			0.448	0.411	8.25	
1.3-Dichloropropane	1	0		5.70	18.87	20			0.705	0.665	5.65	
4-Methyl-2-Pentanone	1	0		5.25	13.07	20			0.586	0.383	34.65	
2-Hexanone	1	0		5.73	14.12	20			0.426	0.301	29.40	
Tetrachloroethene	1	0		5.69	16.45	20			0.388	0.319	17.75	
Toluene-d8	1	0	S	5.32	28.52	30			0.826	0.785	4.93	
Toluene	1	0	CC	5.36	17.95	20	20		0.946	0.848	10.25	
1.1.1.2-Tetrachloroethane	1	0		6.24	20.29	20			0.423	0.346	1.45	
Chlorobenzene	1	0	CP	6.20	17.81	20	0.3		1.103	0.983	10.95	
1.4-Dichlorobenzene-d4	1	0	I	7.58	30.00	30				0.000	0.00	
Bromoform	1	0	CP	6.70	15.82	20	0.1		0.707	0.559	20.90	
Ethylbenzene	1	0	CC	6.25	17.13	20	20		0.776	0.665	14.35	
1.1.2.2-Tetrachloroethane	1	0	CP	6.95	19.20	20	0.3		1.000	0.816	4.00	
Bromofluorobenzene	1	0	S	6.88	28.58	30			0.920	0.876	4.73	
Styrene	1	0		6.57	18.71	20			1.822	1.705	6.45	
m&p-Xylenes	1	0		6.32	38.67	40			1.224	0.943	3.33	
o-Xylene	1	0		6.56	18.52	20			1.058	0.980	7.40	
trans-1.4-Dichloro-2-butene	1	0		6.98	18.85	20			0.275	0.260	5.75	
1.3-Dichlorobenzene	1	0		7.55	16.67	20			1.639	1.366	16.65	
1.4-Dichlorobenzene	1	0		7.60	15.88	20			1.749	1.389	20.60	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M53941.D **Instrument:** GCMS 2

Cont Calibration Date/Time 6/15/2010 8:30:00 A Method: EPA 8260B

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	Hi Lim	Initial RF	RF	%Diff	Flag
1.2-Dichlorobenzene	1	0		7.84	16.94	20			1.602	1.356	15.30	
Isopropylbenzene	1	0		6.77	17.58	20			2.556	2.246	12.10	
Cyclohexanone	1	0		6.86	66.64				0.037			
1.2.3-Trichloropropane	1	0		6.98	17.48	20			1.072	0.937	12.60	
2-Chlorotoluene	1	0		7.09	16.66	20			1.796	1.496	16.70	
p-Ethyltoluene	1	0		7.08	15.21				2.767			
4-Chlorotoluene	1	0		7.15	17.44	20			1.696	1.479	12.80	
n-Propylbenzene	1	0		7.02	16.46	20			3.283	2.702	17.70	
Bromobenzene	1	0		6.98	17.95	20			1.632	1.464	10.25	
1.3.5-Trimethylbenzene	1	0		7.11	18.29	20			2.060	1.884	8.55	
t-Butylbenzene	1	0		7.32	16.99	20			1.971	1.675	15.05	
1.2.4-Trimethylbenzene	1	0		7.35	16.79	20			2.243	1.883	16.05	
sec-Butylbenzene	1	0		7.46	16.40	20			2.501	2.051	18.00	
4-Isopropyltoluene	1	0		7.54	16.58	20			1.993	1.652	17.10	
n-Butylbenzene	1	0		7.79	16.28	20			2.262	1.841	18.60	
p-Diethylbenzene	1	0		7.78	15.16				1.265			
1.2.4.5-Tetramethylbenzene	1	0		8.27	15.17				1.845			
1.2-Dibromo-3-Chloropropane	1	0		8.34	14.07	20			0.254	0.174	29.65	
Hexachlorobutadiene	1	0		8.96	12.03	20			0.498	0.299	39.85	
1.2.4-Trichlorobenzene	1	0		8.87	13.19	20			1.145	0.755	34.05	
1.2.3-Trichlorobenzene	1	0		9.19	14.13	20			1.192	0.741	29.35	
Naphthalene	1	0		9.04	15.32	20			2.287	1.751	23.40	
1.2-Dioxane	1	100		0.00	0.00	2000				0.000	100.00	
Freon 113	1	100		0.00	0.00	20				0.000	100.00	

CC - Continuing Calibration Check Compound CP - System Performance Check Compound I - Internal Standard

N/O or N/O - Not applicable for this run * - Failed the C or P Criteria ** - No limit specified in method

Note:

8260/8270 limits are compared against the %DIFF/R.F. **625 limits are compared against the %DIFF.**

624 limits are compared against the concentration found. **524.2 limits are compared against the %DIFF**

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M53209.D Method: EPA 8260B

Analysis Date/Time: 06/01/10 12:57

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	184858	4.39	154772	6.20	97028	7.60						
Eval File Area Limit:	92429-369716		77386-309544		48514-194056							
Eval File Rt Limit:	3.89-4.89		5.7-6.7		7.1-8.1							

Data File	Sample											
2M53199.D	20 PPB	219726	4.39	140680	6.19	88282	7.60					
2M53201.D	BLKJUG#2	208545	4.39	136304	6.19	83531	7.60					
2M53202.D	1 PPB	161857	4.39	132019	6.19	82720	7.60					
2M53203.D	CAL @ 0.5 P	169665	4.39	136813	6.19	79642	7.60					
2M53204.D	CAL @ 5 PPB	158662	4.39	135476	6.19	82235	7.60					
2M53205.D	CAL @ 500 P	171142	4.39	129602	6.19	78295	7.60					
2M53206.D	CAL @ 250 P	178379	4.39	136134	6.20	84815	7.60					
2M53207.D	CAL @ 100 P	176397	4.39	149583	6.20	92281	7.60					
2M53208.D	CAL @ 50 PP	179736	4.39	151808	6.20	96548	7.60					
2M53209.D	CAL @ 20 PP	184858	4.39	154772	6.20	97028	7.60					
2M53210.D	CAL @ 10 PP	179386	4.39	157500	6.20	95714	7.60					
2M53211.D	50 PPB	180437	4.39	153463	6.20	96880	7.60					
2M53212.D	50 PPB	182774	4.39	156345	6.20	99093	7.60					
2M53213.D	BLKJUG#2	181149	4.39	149599	6.20	87557	7.60					
2M53214.D	CAL @ 1 PPB	170701	4.39	142078	6.20	84235	7.60					
2M53215.D	ICV	179336	4.39	152393	6.19	93770	7.60					
2M53216.D	BLK	169155	4.39	146091	6.19	84379	7.60					
2M53217.D	DAILY BLANK	169836	4.39	137935	6.19	87255	7.60					
2M53218.D	DAILY BLANK	167895	4.39	138314	6.20	79176	7.60					
2M53219.D	MBS16298	170925	4.39	137068	6.20	92884	7.60					
2M53220.D	MBS16300	187360	4.39	152897	6.20	93915	7.60					
2M53221.D	AC51924-028	164173	4.39	143448	6.20	83403	7.60					
2M53222.D	AC51924-029	176901	4.39	150395	6.20	87972	7.60					
2M53223.D	AC52024-004	166358	4.39	146974	6.20	82818	7.60					
2M53224.D	AC52024-005	171689	4.39	144607	6.19	82404	7.60					
2M53225.D	AC52024-007	166796	4.39	140971	6.20	79891	7.60					
2M53227.D	AC52003-015	165769	4.39	137196	6.20	77421	7.60					
2M53228.D	AC51989-017	155134	4.39	123440	6.19	71420	7.60					
2M53229.D	AC52035-015	159688	4.39	133520	6.20	73801	7.60					
2M53230.D	AC52024-001	158075	4.39	124922	6.20	70488	7.60					
2M53231.D	AC52035-003	154065	4.39	125631	6.19	71540	7.60					
2M53232.D	AC52035-011	160702	4.39	128059	6.19	74634	7.60					
2M53233.D	AC51984-002	178917	4.39	135928	6.19	87050	7.60					
2M53234.D	BLK	170520	4.39	141650	6.19	81454	7.60					
2M53242.D	AC51993-004	187991	4.39	151619	6.19	91069	7.60					
2M53243.D	AC51993-004	179024	4.39	146331	6.19	89470	7.60					
2M53244.D	BLK	170801	4.39	143470	6.19	80985	7.60					
2M53245.D	BLK	162672	4.39	136198	6.19	80188	7.60					
2M53247.D	MBS16301	180996	4.39	143755	6.19	89740	7.60					
2M53248.D	BLK	169945	4.39	135940	6.19	80615	7.60					
2M53267.D	BLK	158776	4.38	121982	6.19	69180	7.60					
2M53268.D	BLK	158929	4.39	126661	6.19	69558	7.59					
2M53269.D	MBS16302	164411	4.39	127486	6.19	77033	7.60					
2M53271.D	BLK	157073	4.38	128290	6.19	75188	7.59					
2M53273.D	BLK	160793	4.38	136808	6.19	79455	7.60					
2M53275.D	AC52041-010	177451	4.38	151746	6.19	90364	7.59					
2M53276.D	AC52041-010	178985	4.38	149275	6.19	92675	7.60					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration= 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3=	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit= + 100% of internal standard area from daily cal or mid pt.

Lower Limit= - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit= within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M53659.D Method: EPA 8260B

Analysis Date/Time: 06/09/10 07:12

Lab File ID: CAL9@ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	203487	4.37	160897	6.18	99913	7.58						
Eval File Area Limit:	101744-406974		80448-321794		49956-199826							
Eval File Rt Limit:	3.87-4.87		5.68-6.68		7.08-8.08							

Data File	Sample											
2M53660.D	BLK	184658	4.37	150939	6.18	88449	7.58					
2M53661.D	DAILY BLANK	197479	4.37	165847	6.18	97330	7.58					
2M53662.D	DAILY BLANK	198623	4.37	166377	6.18	92783	7.58					
2M53663.D	AC52075-001	211485	4.37	161535	6.18	94341	7.58					
2M53664.D	AC52075-002	223042	4.37	178858	6.18	103979	7.58					
2M53665.D	AC52075-003	199812	4.37	171469	6.18	106766	7.58					
2M53666.D	AC52075-004	212589	4.37	172536	6.18	105103	7.58					
2M53667.D	AC52075-005	219927	4.37	183783	6.18	105698	7.58					
2M53668.D	AC52075-007	219468	4.37	179718	6.18	106608	7.58					
2M53669.D	AC52075-008	228546	4.37	180502	6.18	107564	7.58					
2M53670.D	AC52075-006	232058	4.37	180229	6.18	110497	7.59					
2M53671.D	AC51822-007(	240397	4.38	194419	6.18	108279	7.58					
2M53672.D	MBS16422	234516	4.38	189638	6.18	114100	7.59					
2M53673.D	MBS16423	230178	4.37	185996	6.18	119089	7.59					
2M53674.D	AC52204-019	227926	4.38	188945	6.18	110471	7.59					
2M53675.D	AC52114-003(	203766	4.38	173328	6.19	101614	7.59					
2M53676.D	BLK	217540	4.38	177716	6.18	99267	7.59					
2M53677.D	AC52177-004	200571	4.38	153936	6.19	92721	7.59					
2M53678.D	AC52177-003	203724	4.38	159528	6.19	89741	7.59					
2M53679.D	AC52177-002	189125	4.38	152696	6.19	80623	7.59					
2M53680.D	AC52177-001	191353	4.38	146361	6.19	81174	7.59					
2M53685.D	AC51822-007	181712	4.38	148060	6.19	84661	7.59					
2M53686.D	AC52114-003(	190642	4.38	155911	6.19	91080	7.59					
2M53688.D	MBS16424	198484	4.38	164669	6.19	99328	7.59					
2M53689.D	BLK	216164	4.38	172313	6.19	105186	7.59					
2M53690.D	AC51822-007	200167	4.38	169635	6.19	99786	7.59					
2M53697.D	AC52204-006(	203679	4.38	160690	6.19	96845	7.59					
2M53698.D	AC52204-006(	209845	4.38	168701	6.19	96282	7.59					
2M53699.D	BLKJUG#3	201948	4.38	158321	6.19	86576	7.60					
2M53700.D	BLK	205595	4.38	169466	6.19	92341	7.60					
2M53701.D	MBS16434	205621	4.38	161356	6.19	97217	7.59					
2M53702.D	BLKJUG#1	193154	4.38	161442	6.19	88959	7.59					
2M53708.D	BLK	184114	4.38	147745	6.19	76943	7.59					
2M53710.D	BLK	177429	4.38	134892	6.19	75536	7.59					
2M53712.D	MBS16435	189680	4.38	151620	6.19	90349	7.60					
2M53713.D	AC52184-002(	186296	4.38	150271	6.19	90786	7.60					
2M53714.D	AC52184-002(	203124	4.38	158909	6.19	93334	7.59					
2M53715.D	BLK	6884 A	4.22	0 A	0.00 R	0 A	0.00 R					
2M53716.D	20 PPB	179688	4.38	149351	6.19	88333	7.59					
2M53717.D	BLK	179586	4.38	148546	6.19	81709	7.60					
2M53718.D	BLK	180618	4.38	146766	6.19	84116	7.59					
2M53719.D	52172-003	197727	4.38	158916	6.19	89975	7.59					
2M53720.D	20 PPB	198617	4.38	154177	6.19	98823	7.59					
2M53721.D	52172-004	190636	4.38	158093	6.19	90910	7.59					
2M53722.D	52172-005	196129	4.38	155110	6.19	92414	7.59					
2M53723.D	52174-001	194408	4.38	154584	6.19	94395	7.59					
2M53724.D	52174-002	178949	4.38	145994	6.19	89027	7.59					
2M53725.D	52174-003	194427	4.38	146751	6.19	89618	7.59					
2M53726.D	52174-004	194445	4.38	145547	6.19	91947	7.60					
2M53727.D	52174-005	198655	4.38	153303	6.19	93648	7.60					
2M53728.D	52174-006	197017	4.38	162416	6.19	104515	7.59					
2M53729.D	52174-007	197713	4.38	160263	6.19	97066	7.60					
2M53730.D	BLK	212772	4.38	174099	6.19	99514	7.60					

I1 =	Fluorobenzene	I4=	625/8270 Internal Standard concentration= 40 mg/L (in final extract)
I2=	Chlorobenzene-d5	I5=	624/8260 Internal Standard concentration= 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6=	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit= + 100% of internal standard area from daily cal or mid pt.

Lower Limit= - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit= within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M53659.D Method: EPA 8260B

Analysis Date/Time: 06/09/10 07:12

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	203487	4.37	160897	6.18	99913	7.58						
Eval File Area Limit:	101744-406974		80448-321794		49956-199826							
Eval File Rt Limit:	3.87-4.87		5.68-6.68		7.08-8.08							
Data File Sample												
2M53731.D BLK	203243	4.38	163442	6.19	91606	7.59						
2M53732.D BLK	208580	4.38	162524	6.19	90232	7.60						
2M53733.D BLK	205000	4.38	159523	6.19	90489	7.60						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration= 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit = + 100% of internal standard area from daily cal or mid pt.

Lower Limit = - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit = within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M53941.D Method: EPA 8260B

Analysis Date/Time: 06/15/10 08:30

Lab File ID: CAL9@ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	175991	4.38	153043	6.18	93285	7.58						
Eval File Area Limit:	87996-351982		76522-306086		46642-186570							
Eval File Rt Limit:	3.88-4.88		5.68-6.68		7.08-8.08							

Data File	Sample											
2M53940.D	20 PPB	174173	4.38	147800	6.18	90609	7.59					
2M53942.D	BLK	175426	4.38	143436	6.18	83489	7.59					
2M53943.D	DAILY BLANK	166263	4.37	142378	6.18	82553	7.59					
2M53944.D	DAILY BLANK	188018	4.38	156720	6.18	91666	7.59					
2M53945.D	BLKJUG1	168509	4.37	145747	6.18	85634	7.59					
2M53946.D	AC52250-020	192087	4.37	155734	6.18	104663	7.59					
2M53947.D	AC52250-007	187219	4.37	162380	6.18	106318	7.59					
2M53948.D	AC52250-002	190834	4.37	168049	6.18	120407	7.59					
2M53949.D	AC52250-005	190675	4.37	172860	6.18	119807	7.59					
2M53950.D	AC52250-006	185747	4.37	171408	6.18	110949	7.59					
2M53951.D	BLK	215066	4.38	198689	6.18	128927	7.58					
2M53952.D	MBS16492	223919	4.38	196750	6.18	127277	7.58					
2M53953.D	52266-031	207661	4.38	187382	6.18	119987	7.58					
2M53954.D	AC52266-031(	201929	4.38	177325	6.18	114784	7.58					
2M53955.D	MBS16493	174597	4.37	165229	6.18	107780	7.58					
2M53956.D	AC52246-001	182345	4.37	161172	6.18	105778	7.59					
2M53957.D	AC52244-002	185839	4.37	166278	6.18	114601	7.59					
2M53958.D	AC52246-002	185373	4.37	154479	6.18	104482	7.59					
2M53959.D	AC52246-003	179496	4.37	159235	6.18	105761	7.59					
2M53960.D	AC52246-004	171518	4.37	157711	6.18	105542	7.59					
2M53961.D	AC52252-007	185483	4.37	172848	6.18	111197	7.59					
2M53962.D	AC52280-034(	206197	4.38	185634	6.18	120896	7.59					
2M53963.D	AC52280-035(	213700	4.38	196588	6.18	120205	7.59					
2M53964.D	AC52280-036(	208677	4.38	184361	6.18	116003	7.58					
2M53965.D	AC52280-037(	206749	4.38	183934	6.18	111483	7.58					
2M53966.D	AC52280-034(	199968	4.38	176629	6.18	108261	7.59					
2M53967.D	BLK	214931	4.37	191800	6.18	115809	7.59					
2M53968.D	AC52314-011	215601	4.38	190067	6.18	112545	7.59					
2M53969.D	AC52314-012	206491	4.38	180195	6.18	102924	7.59					
2M53970.D	AC52314-013	202158	4.38	173062	6.18	94216	7.59					
2M53971.D	AC52314-014	196812	4.37	171686	6.18	96560	7.59					
2M53972.D	AC52314-015	187131	4.39	164437	6.20	95355	7.60					
2M53973.D	AC52314-016	189757	4.38	163287	6.18	98526	7.58					
2M53974.D	AC52210-007	180820	4.38	155821	6.18	92272	7.58					
2M53975.D	AC52210-006	182757	4.38	162190	6.18	97342	7.58					
2M53976.D	AC52210-005	182136	4.37	160400	6.19	88058	7.59					
2M53977.D	AC52280-036(	187543	4.38	160152	6.18	95784	7.59					
2M53978.D	AC52280-036(	182894	4.38	153582	6.18	94426	7.59					
2M53979.D	AC52299-010	178791	4.37	163251	6.18	100900	7.59					
2M53980.D	MBS16496	208894	4.38	177408	6.18	110792	7.59					
2M53981.D	AC52308-001(	190772	4.38	166202	6.18	103355	7.59					
2M53982.D	AC52308-001(	198745	4.38	166280	6.18	99398	7.59					
2M53983.D	BLK	186951	4.38	157781	6.18	95801	7.59					
2M53985.D	BLK	195251	4.38	162152	6.18	95505	7.59					
2M53987.D	51346-001(80	189910	4.38	162945	6.18	97242	7.59					
2M53988.D	51346-002(80	190398	4.38	161664	6.18	92113	7.58					
2M53989.D	51346-003(80	186990	4.38	152887	6.18	92041	7.58					
2M53990.D	51346-004(80	191734	4.37	161627	6.18	92478	7.58					
2M53991.D	51346-005(80	183749	4.37	153715	6.18	86225	7.59					
2M53992.D	51346-006(80	188546	4.37	159440	6.18	89039	7.58					
2M53993.D	51346-007(80	185220	4.37	156282	6.18	90131	7.58					
2M53994.D	51346-008(80	191816	4.37	159181	6.18	89083	7.58					
2M53995.D	BLK	188490	4.37	155033	6.18	90050	7.58					

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration= 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration= 30ug/L
I3 =	1,4-Dichlorobenzene-d4	I6 =	524 Internal Standard concentration =5ug/L

QC Limits:

Internal Standard Areas

Upper Limit= + 100% of internal standard area from daily cal or mid pt.

Lower Limit= - 50% of internal standard area from daily cal or mid pt.

Flags:

A - Indicates the compound failed the internal standard area criteria

R - Indicates the compound failed the internal standard retention time criteria.

Retention Times: Limit= within +/- 0.5 min of internal standard retention time from the daily cal or mid pt.

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M53941.D Method: EPA 8260B

Analysis Date/Time: 06/15/10 08:30

Lab File ID: CAL @ 20 PPB

	I1		I2		I3		I4		I5		I6	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
Eval File Area/RT:	175991	4.38	153043	6.18	93285	7.58						
Eval File Area Limit:	87996-351982		76522-306086		46642-186570							
Eval File Rt Limit:	3.88-4.88		5.68-6.68		7.08-8.08							
Data File Sample												
2M53996.D BLK	193240	4.37	156838	6.18	96066	7.58						
2M53997.D BLK	173832	4.37	147404	6.18	86322	7.58						
2M53998.D BLK	182325	4.37	156133	6.18	91443	7.58						
2M53999.D BLK	195369	4.37	163984	6.18	99223	7.58						

I1 =	Fluorobenzene	I4 =	625/8270 Internal Standard concentration = 40 mg/L (in final extract)
I2 =	Chlorobenzene-d5	I5 =	624/8260 Internal Standard concentration = 30ug/L
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Internal Standard Areas

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