EnviroTest Laboratories Inc.

ANALYTICAL REPORT

Job Number: 420-43563-1

Job Description: Balchem Corporation

For:
Balchem Corporation
52 Sunrise Park Road
New Hampton, NY 10958-4703

Attention: Mr. Bill A. Sweet

Debra Bayer
Customer Service Manager
dbayer@envirotestlaboratories.com
06/02/2011

EnviroTest Laboratories, Inc. Certifications and Approvals: NELAP Accredited, NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554, EPA NY00049.

Envirotest Laboratories, Inc.
315 Fullerton Avenue, Newburgh, NY 12550
Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com

Job Narrative
420-J43563-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
The following sample was diluted due to compounds over the linear calibration range.
PZ-7DL (420-43563-2DL)

Metals
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

SAMPLE SUMMARY

Client: Balchem Corporation

Job Number: 420-43563-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-43563-1	PZ-6	Water	05/09/2011 1300	05/09/2011 1440
420-43563-2	PZ-7	Water	05/09/2011 1230	05/09/2011 1440
420-43563-3	MW4S	Water	05/09/2011 1130	05/09/2011 1440
420-43563-4	SUMP	Water	05/09/2011 1330	05/09/2011 1440
420-43563-5	Trip Blank	Water	05/09/2011 0000	05/09/2011 1440

EnviroTest Laboratories, Inc.

CHAIN OF CUSTODY

REPORT# (Lab Use Only) 43563

Lab Name: EnviroTest Laboratories
Address & Phone: 315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION
ENVIROTEST PROJECT MANAGER: Debra Bayer	P.O. NUMBER: MRO-REG-12	TOWN
CLIENT (SITE) PM: William Sweet	CLIENT PHONE: 355-5397/664-0420	CLIENT FAX: 845-355-5997
CLIENT NAME: Balchem Corporation	bsweet@balchemcorp.com	
CLIENT ADDRESS: 52 Sunrise Park Road, New Hampton, New York 10958		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 1 of 1

TURNAROUND TIME
NORMAL X
REPORT: Category B, EDD
VERBAL

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	D (Drinking Water) or W (Waste Water) Indicate	SOLID OR SEMISOLID	OTHER Specify	REQUIRED ANALYSES: Total # of Containers	40ml Vials HCL	Liter Amber HCL	250ml Amber Sulfuric	Liter Amber	250ml Plastic Nitric Acid	250ml Plastic Sulfuric Acid	Liter Plastic	250ml Plastic Sodium Hyd.	125ml Plastic Sterile	250 plain plastic	Other	#OF COOLERS / REMARKS
								NUMBER OF CONTAINERS SUBMITTED												
5/9/11	PM 1300	PZ-6	✓					4	3				1							VOA 8260B, Lead 6010
5/9/11	PM 1230	PZ-7	✓					4	3				1							VOA 8260B, Lead 6010
5/9/11	PM 1113	MW4S * (see note)	✓					12	9				3							VOA 8260B, Lead 6010
5/9/11	PM 1330	Sump	✓					4	3				1							VOA 8260B, Lead 6010
5/9/11	PM	Trip Blank	✓					2	2											VOA 8260B
		~~Field Blank~~						~~3~~	~~3~~											~~VOA 8260B~~

RELINQUISHED BY: (SIGNATURE)	COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
William Young	W.Comp.Assoc.	5/9/11	14:40				
SAMPLED BY: (SIGNATURE) William Young	COMPANY	DATE 5/9/11	TIME 1330	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME

* Extra sample for MS/MSD; Category B Report; EDD

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES NO	Cooler Temp.:	LABORATORY REMARKS: ICE (Y ✓ N) pH____ CL2____ Reveiwed by_____
Kintosh	5/9/11	1440		10.8	

METHOD SUMMARY

Client: Balchem Corporation

Job Number: 420-43563-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Inductively Coupled Plasma - Atomic Emission Spectrometry	EnvTest	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts for	EnvTest		SW846 3010A
Volatile Organic Compounds by GC/MS	EnvTest	SW846 8260B	
Purge-and-Trap	EnvTest		SW846 5030B

Lab References:

EnvTest = EnviroTest

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Balchem Corporation

Job Number: 420-43563-1

Login Number: 43563

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

DATA REPORTING QUALIFIERS

Client: Balchem Corporation

Job Number: 420-43563-1

Lab Section	Qualifier	Description
GC/MS VOA		
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
	E	Result exceeded calibration range, secondary dilution required.
	U	The analyte was analyzed for but not detected at or above the stated limit.
Metals		
	U	The analyte was analyzed for but not detected at or above the stated limit.

Volatile Data
QC Summary

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Envirotest Laboratories Contract: ####

Lab Code: 10142 Case No.: #### SAS No.: #### SDG No.: 43563

	EPA SAMPLE NO.	SMC1 (DCE) #	SMC2 (TOL) #	SMC3 (BFB) #	TOT OUT
01	LCS	116	114	108	0
02	MB	113	114	102	0
03	PZ-6	104	114	104	0
04	PZ-7	102	111	100	0
05	MW4S	110	112	101	0
06	SUMP	113	113	104	0
07	TRIP BLANK	111	112	102	0
08	PZ-7DL	114	115	105	0
09	MW4SMS	114	115	107	0
10	MW4SMSD	116	117	109	0

QC LIMITS

SMC1	(DCE)	=	1,2-Dichloroethane-d4	(79-117)
SMC2	(TOL)	=	Toluene-d8	(77-128)
SMC3	(BFB)	=	Bromofluorobenzene	(75-119)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

3
Lab Control Spike
Volatile Organic Compounds by GC/MS

Lab Name: EnviroTest Laboratories, Job No.: 420-43563-1

SDG No.:

Matrix: Water Level: Low

Lab Sample ID: LCS 420-46954/1

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC LIMITS REC
1,1,1-Trichloroethane	20.0	19.0	95	70-130
1,1,2,2-Tetrachloroethane	20.0	21.5	108	70-130
1,1,2-Trichloro-1,2,2-trifluoroet	20.0	17.5	87	70-130
1,1,2-Trichloroethane	20.0	20.1	101	70-130
1,1-Dichloroethane	20.0	20.5	102	70-130
1,1-Dichloroethene	20.0	19.3	96	70-130
1,2,4-Trichlorobenzene	20.0	20.7	104	70-130
1,2-Dibromo-3-Chloropropane	20.0	20.8	104	70-130
1,2-Dichlorobenzene	20.0	20.2	101	70-130
1,2-Dichloroethane	20.0	19.8	99	70-130
1,2-Dichloropropane	20.0	20.2	101	70-130
1,3-Dichlorobenzene	20.0	19.6	98	70-130
1,4-Dichlorobenzene	20.0	19.7	98	70-130
2-Hexanone	20.0	22.3	111	70-130
Acetone	20.0	23.7	118	70-130
Benzene	20.0	19.7	99	70-130
Bromoform	20.0	19.6	98	70-130
Bromomethane	20.0	24.5	123	70-130
Carbon disulfide	20.0	16.5	83	70-130
Carbon tetrachloride	20.0	18.7	93	70-130
Chlorobenzene	20.0	19.6	98	70-130
Dibromochloromethane	20.0	20.8	104	70-130
Chloroethane	20.0	20.4	102	70-130
Chloroform	20.0	19.7	99	70-130
Chloromethane	20.0	18.1	91	70-130
cis-1,2-Dichloroethene	20.0	19.7	99	70-130
cis-1,3-Dichloropropene	20.0	20.6	103	70-130
Bromodichloromethane	20.0	21.4	107	70-130
Dichlorodifluoromethane	20.0	15.4	77	70-130
Ethylbenzene	20.0	19.5	97	70-130
Isopropylbenzene	20.0	18.9	94	70-130
m-Xylene & p-Xylene	40.0	39.3	98	70-130
2-Butanone (MEK)	20.0	23.7	118	70-130
4-Methyl-2-pentanone (MIBK)	20.0	23.9	120	70-130
Methyl tert-butyl ether	20.0	20.4	102	70-130
Methylene Chloride	20.0	19.6	98	70-130
o-Xylene	20.0	19.7	98	70-130
Styrene	20.0	20.0	100	70-130
Vinyl chloride	20.0	18.6	93	70-130
Trichlorofluoromethane	20.0	18.5	93	70-130

FORM III 8260B

3
Lab Control Spike
Volatile Organic Compounds by GC/MS

Lab Name: EnviroTest Laboratories, Job No.: 420-43563-1

SDG No.:

Matrix: Water Level: Low

Lab Sample ID: LCS 420-46954/1

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC LIMITS REC
Trichloroethene	20.0	19.9	100	70-130
trans-1,3-Dichloropropene	20.0	20.9	104	70-130
trans-1,2-Dichloroethene	20.0	20.2	101	70-130
Toluene	20.0	19.6	98	70-130
Tetrachloroethene	20.0	18.7	93	70-130
1,2-Dibromoethane	20.0	20.3	101	70-130

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

FORM III 8260B

3
Matrix Spike
Volatile Organic Compounds by GC/MS

Lab Name: EnviroTest Laboratories, Job No.: 420-43563-1

SDG No.:

Matrix: Water Level: Low

Matrix Spike-Client Sample ID: MW4S

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)		MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC
1,1,1-Trichloroethane	20.0	1.0	U	19.6	98	70-130
1,1,2,2-Tetrachloroethane	20.0	1.0	U	19.9	99	70-130
1,1,2-Trichloro-1,2,2-trifluoroet	20.0	1.0	U	24.4	122	70-130
1,1,2-Trichloroethane	20.0	1.0	U	19.0	95	70-130
1,1-Dichloroethane	20.0	1.0	U	20.1	101	70-130
1,1-Dichloroethene	20.0	1.0	U	21.0	105	70-130
1,2,4-Trichlorobenzene	20.0	1.0	U	19.4	97	70-130
1,2-Dibromo-3-Chloropropane	20.0	5.0	U	19.2	96	70-130
1,2-Dichlorobenzene	20.0	1.0	U	19.2	96	70-130
1,2-Dichloroethane	20.0	1.0	U	18.5	93	70-130
1,2-Dichloropropane	20.0	1.0	U	19.4	97	70-130
1,3-Dichlorobenzene	20.0	1.0	U	19.6	98	70-130
1,4-Dichlorobenzene	20.0	1.0	U	19.4	97	70-130
2-Hexanone	20.0	1.0	U	20.6	103	70-130
Acetone	20.0	1.0	U	20.5	103	70-130
Benzene	20.0	1.0	U	18.9	95	70-130
Bromoform	20.0	1.0	U	18.5	93	70-130
Bromomethane	20.0	1.0	U	25.4	127	70-130
Carbon disulfide	20.0	1.0	U	17.4	87	70-130
Carbon tetrachloride	20.0	1.0	U	19.8	99	70-130
Chlorobenzene	20.0	1.0	U	19.2	96	70-130
Dibromochloromethane	20.0	1.0	U	19.7	99	70-130
Chloroethane	20.0	1.0	U	18.3	91	70-130
Chloroform	20.0	1.0	U	19.2	96	70-130
Chloromethane	20.0	1.0	U	20.1	100	70-130
cis-1,2-Dichloroethene	20.0	3.2		22.1	95	70-130
cis-1,3-Dichloropropene	20.0	1.0	U	19.3	97	70-130
Bromodichloromethane	20.0	1.0	U	20.4	102	70-130
Dichlorodifluoromethane	20.0	1.0	U	16.3	82	70-130
Ethylbenzene	20.0	1.0	U	19.9	100	70-130
Isopropylbenzene	20.0	1.0	U	19.6	98	70-130
m-Xylene & p-Xylene	40.0	1.0	U	40.0	100	70-130
2-Butanone (MEK)	20.0	1.0	U	22.6	113	70-130
4-Methyl-2-pentanone (MIBK)	20.0	1.0	U	22.1	110	70-130
Methyl tert-butyl ether	20.0	1.0	U	19.4	97	70-130
Methylene Chloride	20.0	1.0	U	19.7	98	70-130
o-Xylene	20.0	1.0	U	19.5	98	70-130
Styrene	20.0	1.0	U	19.5	97	70-130
Vinyl chloride	20.0	1.0	U	19.3	97	70-130
Trichlorofluoromethane	20.0	1.0	U	19.5	98	70-130

FORM III 8260B

3
Matrix Spike
Volatile Organic Compounds by GC/MS

Lab Name: EnviroTest Laboratories, Job No.: 420-43563-1

SDG No.:

Matrix: Water Level: Low

Matrix Spike-Client Sample ID: MW4S

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)		MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC
Trichloroethene	20.0	1.0	U	19.3	97	70-130
trans-1,3-Dichloropropene	20.0	1.0	U	19.5	98	70-130
trans-1,2-Dichloroethene	20.0	1.0	U	20.6	103	70-130
Toluene	20.0	1.0	U	19.6	98	70-130
Tetrachloroethene	20.0	1.0	U	17.6	88	70-130
1,2-Dibromoethane	20.0	1.0	U	19.1	96	70-130

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

3
Matrix Spike Duplicate
Volatile Organic Compounds by GC/MS

Lab Name: EnviroTest Laboratories, Job No.: 420-43563-1

SDG No.:

Matrix: Water Level: Low

Matrix Spike Duplicate-Client Sample ID: MW4S

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
1,1,1-Trichloroethane	20.0	19.3	96	2	20	70-130
1,1,2,2-Tetrachloroethane	20.0	20.1	100	1	20	70-130
1,1,2-Trichloro-1,2,2-trifluoroet	20.0	20.0	100	20	20	70-130
1,1,2-Trichloroethane	20.0	19.0	95	0	20	70-130
1,1-Dichloroethane	20.0	20.3	102	1	20	70-130
1,1-Dichloroethene	20.0	19.4	97	8	20	70-130
1,2,4-Trichlorobenzene	20.0	21.2	106	9	20	70-130
1,2-Dibromo-3-Chloropropane	20.0	19.8	99	3	20	70-130
1,2-Dichlorobenzene	20.0	20.0	100	4	20	70-130
1,2-Dichloroethane	20.0	18.9	95	2	20	70-130
1,2-Dichloropropane	20.0	19.5	97	0	20	70-130
1,3-Dichlorobenzene	20.0	20.0	100	2	20	70-130
1,4-Dichlorobenzene	20.0	20.6	103	6	20	70-130
2-Hexanone	20.0	20.5	103	0	20	70-130
Acetone	20.0	18.0	90	13	20	70-130
Benzene	20.0	19.5	98	3	20	70-130
Bromoform	20.0	17.8	89	4	20	70-130
Bromomethane	20.0	23.5	118	8	20	70-130
Carbon disulfide	20.0	15.9	80	9	20	70-130
Carbon tetrachloride	20.0	19.2	96	3	20	70-130
Chlorobenzene	20.0	19.7	99	3	20	70-130
Dibromochloromethane	20.0	19.2	96	3	20	70-130
Chloroethane	20.0	17.1	86	7	20	70-130
Chloroform	20.0	18.9	94	2	20	70-130
Chloromethane	20.0	23.2	116	14	20	70-130
cis-1,2-Dichloroethene	20.0	21.7	93	2	20	70-130
cis-1,3-Dichloropropene	20.0	19.3	97	0	20	70-130
Bromodichloromethane	20.0	20.2	101	1	20	70-130
Dichlorodifluoromethane	20.0	16.8	84	3	20	70-130
Ethylbenzene	20.0	19.8	99	1	20	70-130
Isopropylbenzene	20.0	19.8	99	1	20	70-130
m-Xylene & p-Xylene	40.0	39.6	99	1	20	70-130
2-Butanone (MEK)	20.0	20.4	102	10	20	70-130
4-Methyl-2-pentanone (MIBK)	20.0	20.6	103	7	20	70-130
Methyl tert-butyl ether	20.0	18.7	94	3	20	70-130
Methylene Chloride	20.0	19.8	99	1	20	70-130
o-Xylene	20.0	19.7	98	1	20	70-130
Styrene	20.0	19.9	99	2	20	70-130
Vinyl chloride	20.0	18.7	94	3	20	70-130
Trichlorofluoromethane	20.0	18.0	90	8	20	70-130

FORM III 8260B

3
Matrix Spike Duplicate
Volatile Organic Compounds by GC/MS

Lab Name: EnviroTest Laboratories, Job No.: 420-43563-1

SDG No.:

Matrix: Water Level: Low

Matrix Spike Duplicate-Client Sample ID: MW4S

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
Trichloroethene	20.0	18.9	95	2	20	70-130
trans-1,3-Dichloropropene	20.0	19.5	98	0	20	70-130
trans-1,2-Dichloroethene	20.0	19.8	99	4	20	70-130
Toluene	20.0	19.5	97	1	20	70-130
Tetrachloroethene	20.0	17.8	89	1	20	70-130
1,2-Dibromoethane	20.0	18.5	93	3	20	70-130

Calculations are performed before rounding

Column to be used to flag recovery and RPD values

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

MB

Lab Name: Envirotest Laboratories Contract: ####

Lab Code: 10142 Case No.: #### SAS No.: #### SDG No.: 43563

Lab File ID: V051205.D Lab Sample ID: MB

Date Analyzed: 5/12/2011 Time Analyzed: 12:09

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSD

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS	LCS	V051203.D	10:57
02	PZ-6	43563-A-1	V051206.D	12:45
03	PZ-7	43563-A-2	V051207.D	13:36
04	MW4S	43563-A-3	V051208.D	14:12
05	SUMP	43563-A-4	V051209.D	14:48
06	TRIP BLANK	43563-A-5	V051210.D	15:24
07	PZ-7DL	43563-A-2	V051211.D	16:00
08	MW4SMS	43563-A-3MS	V051212.D	16:37
09	MW4SMSD	43563-A-3MSD	V051213.D	17:13

COMMENTS:

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Envirotest Laboratories Contract: ####

Lab Code: 10142 Case No.: #### SAS No.: #### SDG No.: 43563

Lab File ID: V041401.D BFB Injection Date: 4/14/2011

Instrument ID: MSD BFB Injection Time: 11:12

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.3
75	30.0 - 66.0% of mass 95	42.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.6 (0.7)1
174	50.0 - 120.0% of mass 95	83.9
175	4.0 - 9.0% of mass 174	6.7 (8.0)1
176	93.0 - 101.0% of mass 174	83.0 (99.0)1
177	5.0 - 9.0% of mass 176	5.6 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD001	VSTD001	V041402.D	4/14/2011	11:48
02	VSTD010	VSTD010	V041403.D	4/14/2011	12:24
03	VSTD020	VSTD020	V041404.D	4/14/2011	12:59
04	VSTD050	VSTD050	V041405.D	4/14/2011	13:35
05	VSTD100	VSTD100	V041406.D	4/14/2011	14:11

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Envirotest Laboratories Contract: ####

Lab Code: 10142 Case No.: #### SAS No.: #### SDG No.: 43563

Lab File ID: V051201.D BFB Injection Date: 5/12/2011

Instrument ID: MSD BFB Injection Time: 9:46

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.8
75	30.0 - 66.0% of mass 95	43.0
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.6 (0.7)1
174	50.0 - 120.0% of mass 95	77.0
175	4.0 - 9.0% of mass 174	6.1 (7.9)1
176	93.0 - 101.0% of mass 174	75.1 (97.5)1
177	5.0 - 9.0% of mass 176	5.1 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD020	CCV	V051202.D	5/12/2011	10:21
02	LCS	LCS	V051203.D	5/12/2011	10:57
03	MB	MB	V051205.D	5/12/2011	12:09
04	PZ-6	43563-A-1	V051206.D	5/12/2011	12:45
05	PZ-7	43563-A-2	V051207.D	5/12/2011	13:36
06	MW4S	43563-A-3	V051208.D	5/12/2011	14:12
07	SUMP	43563-A-4	V051209.D	5/12/2011	14:48
08	TRIP BLANK	43563-A-5	V051210.D	5/12/2011	15:24
09	PZ-7DL	43563-A-2	V051211.D	5/12/2011	16:00
10	MW4SMS	43563-A-3MS	V051212.D	5/12/2011	16:37
11	MW4SMSD	43563-A-3MSD	V051213.D	5/12/2011	17:13

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Envirotest Laboratories Contract: ####

Lab Code: 10142 Case No.: #### SAS No.: #### SDG No.: 43563

Lab File ID (Standard): V051202.D Date Analyzed: 5/12/2011

Instrument ID: MSD Time Analyzed: 10:21

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1 (FBZ) AREA #	DB 624 RT #	IS2(CBZ) AREA #	RT #	AREA #	RT #
	12 HOUR STD	4315876	11.74	3416425	17.81		
	UPPER LIMIT	8631752	12.24	6832850	18.31		
	LOWER LIMIT	2157938	11.24	1708213	17.31		
	EPA SAMPLE NO.						
01	LCS	4402723	11.74	3538081	17.81		
02	MB	4275963	11.76	3364631	17.81		
03	PZ-6	4036981	11.75	3182519	17.82		
04	PZ-7	4147031	11.76	3309701	17.82		
05	MW4S	4108148	11.75	3337381	17.82		
06	SUMP	3968130	11.76	3194601	17.82		
07	TRIP BLANK	4049230	11.77	3208709	17.82		
08	PZ-7DL	3933614	11.77	3160288	17.82		
09	MW4SMS	3935889	11.75	3185477	17.81		
10	MW4SMSD	4186773	11.75	3291991	17.81		

IS1 (FBZ) = Fluorobenzene

IS2 (CBZ) = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = - 50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk.

* Values outside of contract required QC limits

Volatile Data
Sample Data

ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-6	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-1
Analysis Method:	8260B	Lab File ID:	V051206.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 12:45
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.22
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.11
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.17
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.18
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.18
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.15
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.17
591-78-6	2-Hexanone	1.0	U	1.0	0.18
67-64-1	Acetone	1.0	U	1.0	0.27
71-43-2	Benzene	1.0	U	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.17
74-83-9	Bromomethane	1.0	U	1.0	0.10
75-15-0	Carbon disulfide	1.0	U	1.0	0.14
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.15
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
124-48-1	Dibromochloromethane	1.0	U	1.0	0.080
75-00-3	Chloroethane	1.0	U	1.0	0.21
67-66-3	Chloroform	1.0	U	1.0	0.14
74-87-3	Chloromethane	1.0	U	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	1.7		1.0	0.14
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.10
75-27-4	Bromodichloromethane	1.0	U	1.0	0.16
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	1.0	U	1.0	0.13
98-82-8	Isopropylbenzene	1.0	U	1.0	0.10
78-93-3	2-Butanone (MEK)	1.0	U	1.0	0.070

FORM I 8260B

ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-6	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-1
Analysis Method:	8260B	Lab File ID:	V051206.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 12:45
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	1.0	0.15
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.080
75-09-2	Methylene Chloride	1.0	U	1.0	0.11
100-42-5	Styrene	1.0	U	1.0	0.12
1330-20-7	Xylenes, Total	1.0	U	1.0	0.34
75-01-4	Vinyl chloride	1.5		1.0	0.15
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.13
79-01-6	Trichloroethene	0.57	J	1.0	0.090
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.070
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
108-88-3	Toluene	0.24	J	1.0	0.12
127-18-4	Tetrachloroethene	1.0	U	1.0	0.24
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.17

Quantitation Report (QT Reviewed)

Data File : P:\MSD\051211.B\V051206.D
Acq On : 12 May 2011 12:45 pm
Sample : 43563-A-1 DF=1 LM=8260B BT=V051211A
Misc : PZ-6
MS Integration Params: rteint.p
Quant Time: May 12 14:28 2011

Vial: 6
Operator: EA
Inst : MSD
Multiplr: 1.00
Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

BA 6/1/11

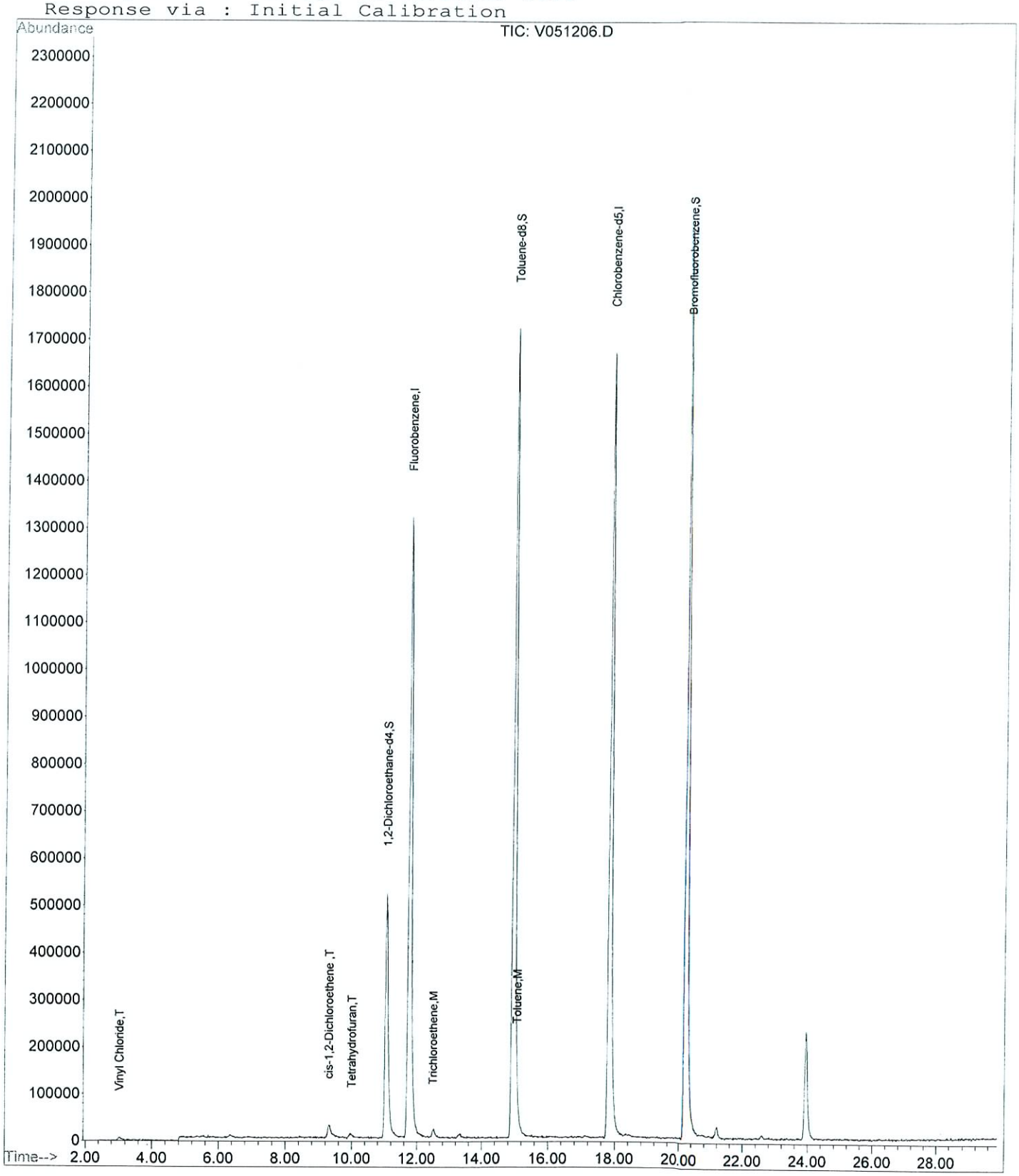
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.75	96	4036981	50.00	ug/l	0.00
49) Chlorobenzene-d5	17.82	117	3182519	50.00	ug/l	0.00
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	11.06	65	1089896	52.15	ug/l	0.02
Spiked Amount 50.000	Range 86 - 117		Recovery = 104.30%			
54) Toluene-d8	14.95	98	3887472	56.91	ug/l	0.00
Spiked Amount 50.000	Range 93 - 107		Recovery = 113.82%#			
59) Bromofluorobenzene	20.20	95	2469366	51.82	ug/l	0.00
Spiked Amount 50.000	Range 89 - 105		Recovery = 103.64%			
Target Compounds						Qvalue
5) Vinyl Chloride	3.04	62	23109m BL	1.51	ug/l	
25) cis-1,2-Dichloroethene	9.31	61	57055	1.70	ug/l	82
26) Tetrahydrofuran	9.99	42	17935m BL	4.47	ug/l	
41) Trichloroethene	12.49	95	19012m BL	0.57	ug/l	
55) Toluene	15.08	91	18518	0.24	ug/l	88

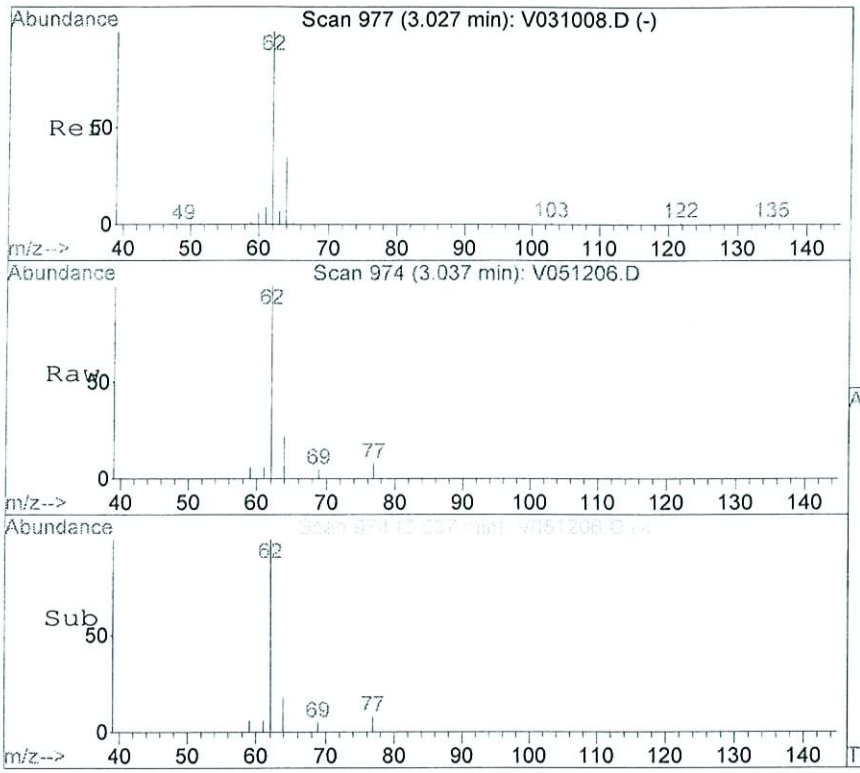
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : P:\MSD\051211.B\V051206.D Vial: 6
Acq On : 12 May 2011 12:45 pm Operator: EA
Sample : 43563-A-1 DF=1 LM=8260B BT=V051211A Inst : MSD
Misc : PZ-6 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 14:28 2011 Quant Results File: 82600414.RES

Method : P:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration

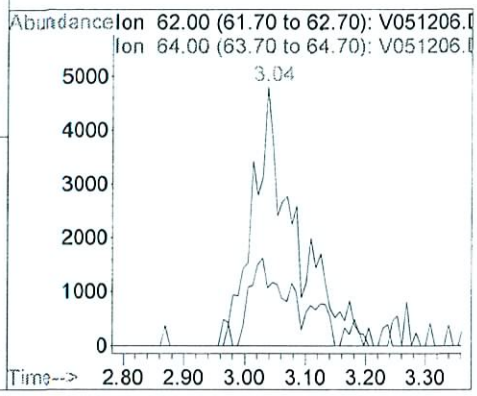


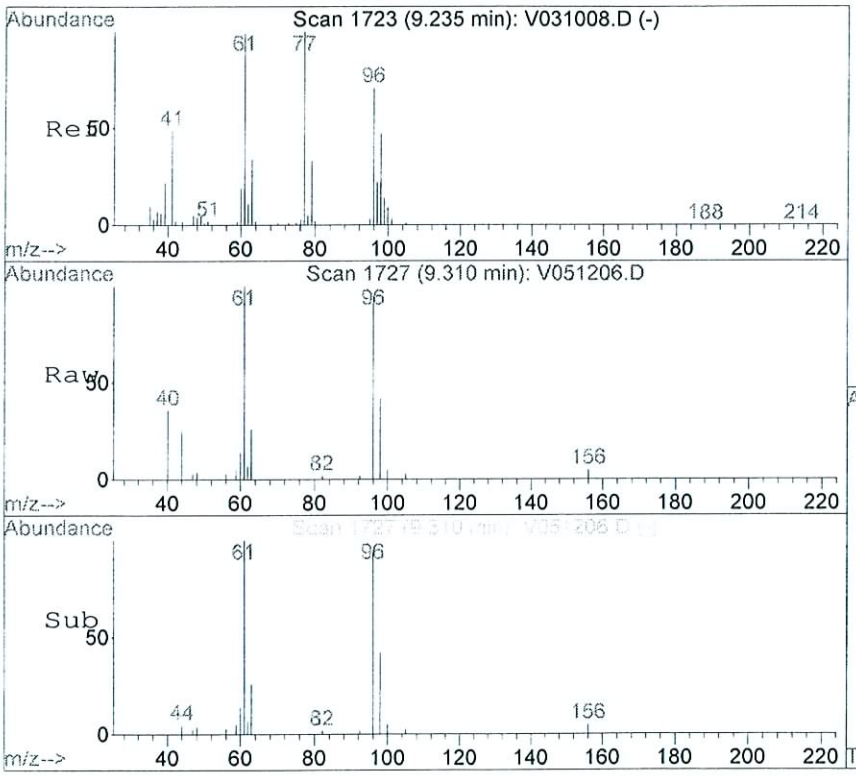


#5
Vinyl Chloride
Concen: 1.51 ug/l m
RT: 3.04 min Scan# 974
Delta R.T. 0.00 min
Lab File: V051206.D
Acq: 12 May 2011 12:45 pm

Tgt Ion: 62 Resp: 23109

Ion	Ratio	Lower	Upper
62	100		
64	22.1	12.8	52.8

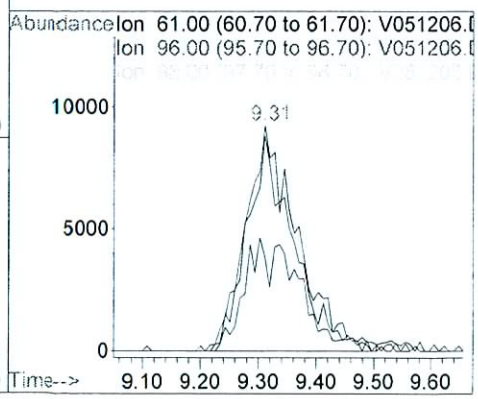


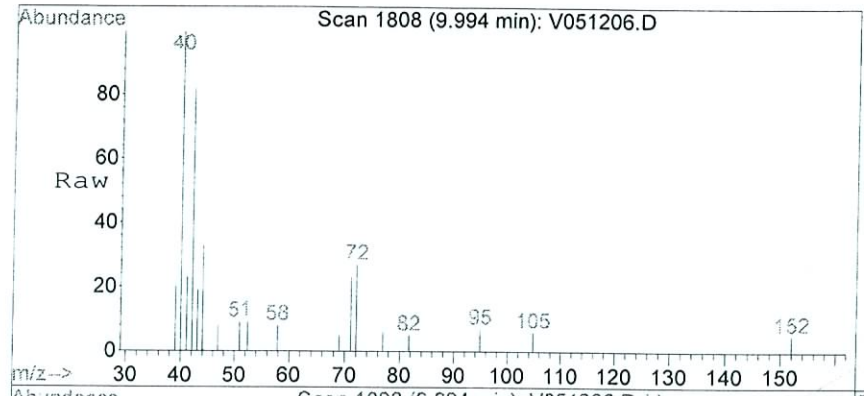


#25
cis-1,2-Dichloroethene
Concen: 1.70 ug/l
RT: 9.31 min Scan# 1727
Delta R.T. -0.00 min
Lab File: V051206.D
Acq: 12 May 2011 12:45 pm

Tgt Ion: 61 Resp: 57055

Ion	Ratio	Lower	Upper
61	100		
96	95.4	59.4	99.4
98	42.0	33.8	73.8

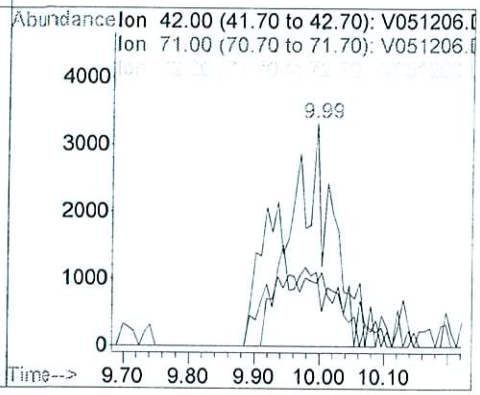


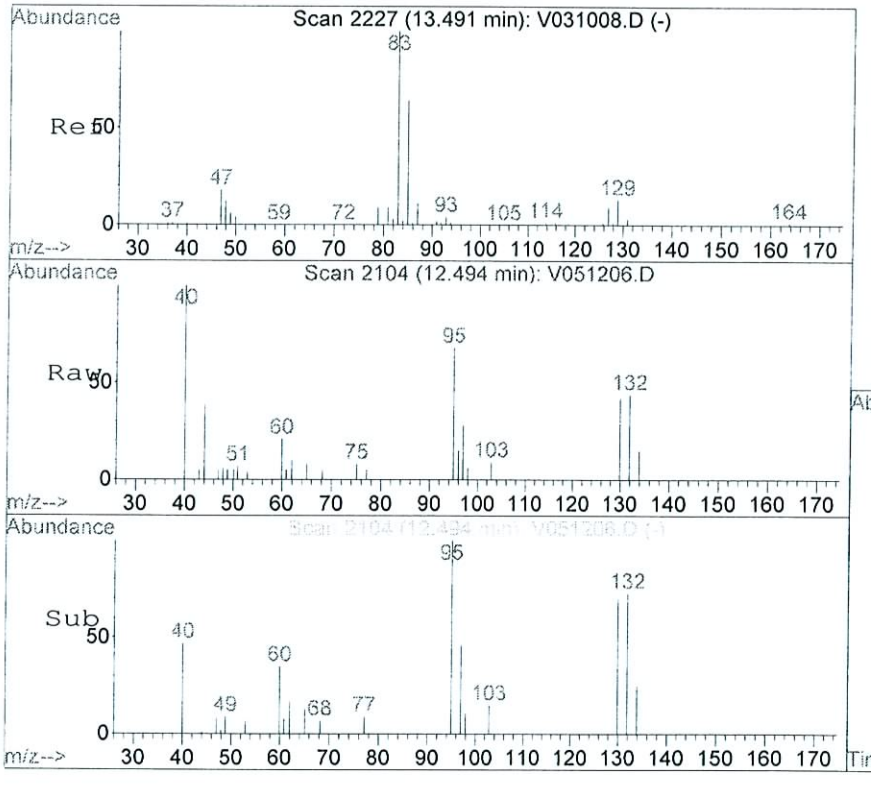


#26
Tetrahydrofuran
Concen: 4.47 ug/l m
RT: 9.99 min Scan# 1808
Delta R.T. 0.07 min
Lab File: V051206.D
Acq: 12 May 2011 12:45 pm

Tgt Ion: 42 Resp: 17935

Ion	Ratio	Lower	Upper
42	100		
71	28.2	30.6	46.0#
72	33.2	30.3	45.5

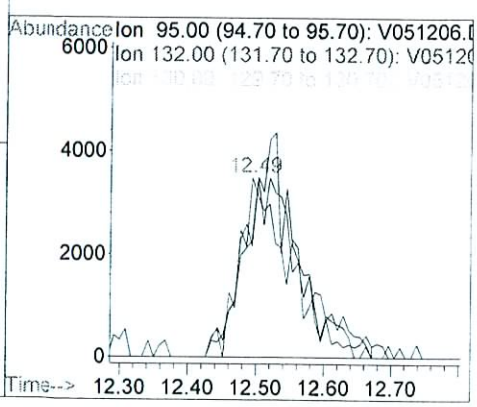


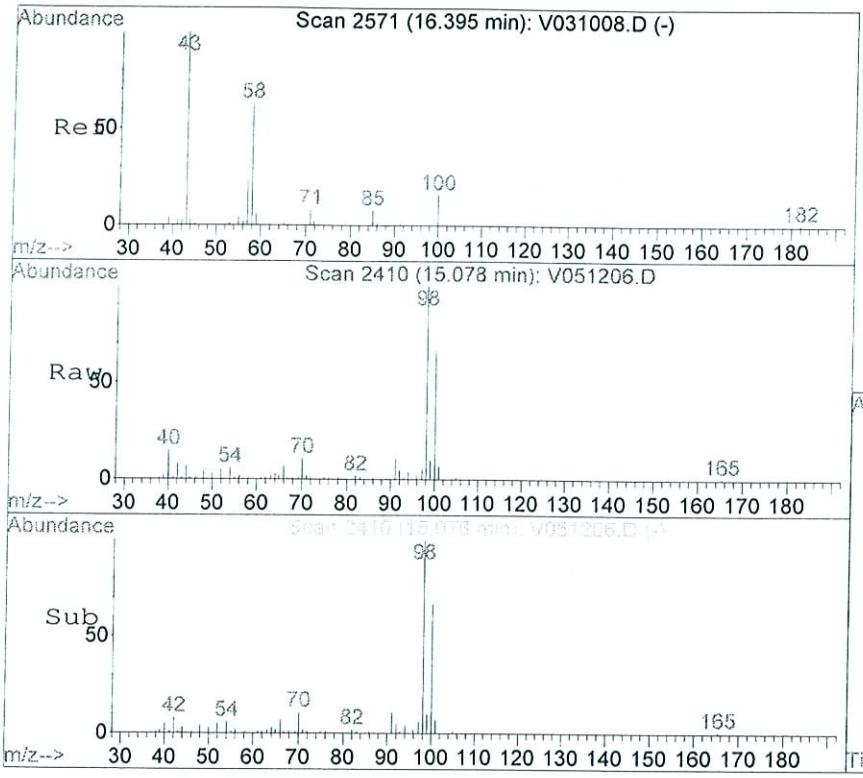


#41
Trichloroethene
Concen: 0.57 ug/l m
RT: 12.49 min Scan# 2104
Delta R.T. -0.02 min
Lab File: V051206.D
Acq: 12 May 2011 12:45 pm

Tgt Ion: 95 Resp: 19012

Ion	Ratio	Lower	Upper
95	100		
132	65.1	87.2	127.2#
130	61.9	84.0	124.0#

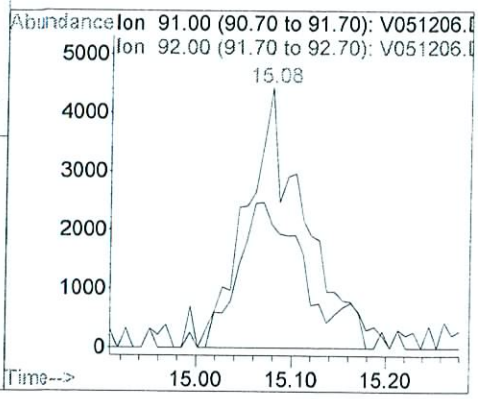




#55
Toluene
Concen: 0.24 ug/l
RT: 15.08 min Scan# 2410
Delta R.T. -0.00 min
Lab File: V051206.D
Acq: 12 May 2011 12:45 pm

Tgt Ion: 91 Resp: 18518

Ion	Ratio	Lower	Upper
91	100		
92	47.3	35.7	75.7



ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-7	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-2
Analysis Method:	8260B	Lab File ID:	V051207.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 13:36
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.22
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.11
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.17
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.18
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.18
107-06-2	1,2-Dichloroethane	3.6		1.0	0.10
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.15
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.17
591-78-6	2-Hexanone	1.0	U	1.0	0.18
67-64-1	Acetone	4.0		1.0	0.27
71-43-2	Benzene	180	E	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.17
74-83-9	Bromomethane	1.0	U	1.0	0.10
75-15-0	Carbon disulfide	1.0	U	1.0	0.14
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.15
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
124-48-1	Dibromochloromethane	1.0	U	1.0	0.080
75-00-3	Chloroethane	1.0	U	1.0	0.21
67-66-3	Chloroform	1.0	U	1.0	0.14
74-87-3	Chloromethane	1.0	U	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	3.3		1.0	0.14
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.10
75-27-4	Bromodichloromethane	1.0	U	1.0	0.16
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	0.18	J	1.0	0.13
98-82-8	Isopropylbenzene	1.0	U	1.0	0.10
78-93-3	2-Butanone (MEK)	2.9		1.0	0.070

FORM I 8260B

1

ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-7	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-2
Analysis Method:	8260B	Lab File ID:	V051207.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 13:36
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	1.0	0.15
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.080
75-09-2	Methylene Chloride	1.0	U	1.0	0.11
100-42-5	Styrene	1.0	U	1.0	0.12
1330-20-7	Xylenes, Total	0.51	J	1.0	0.34
75-01-4	Vinyl chloride	1.0	U	1.0	0.15
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.13
79-01-6	Trichloroethene	1.0	U	1.0	0.090
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.070
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
108-88-3	Toluene	0.38	J	1.0	0.12
127-18-4	Tetrachloroethene	1.0	U	1.0	0.24
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.17

FORM I 8260B

Quantitation Report (QT Reviewed)

Data File : P:\MSD\051211.B\V051207.D Vial: 7
Acq On : 12 May 2011 1:36 pm Operator: EA
Sample : 43563-A-2 DF=1 LM=8260B BT=V051211A Inst : MSD
Misc : PZ-7 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 14:32 2011 Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

BA 6/1/11

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	11.76	96	4147031	50.00	ug/l		0.00
49) Chlorobenzene-d5	17.82	117	3309701	50.00	ug/l		0.00
System Monitoring Compounds							
29) 1,2-Dichloroethane-d4	11.05	65	1093189	50.92	ug/l		0.00
Spiked Amount 50.000	Range 86 - 117		Recovery =	101.84%			
54) Toluene-d8	14.96	98	3943612	55.52	ug/l		0.00
Spiked Amount 50.000	Range 93 - 107		Recovery =	111.04%#			
59) Bromofluorobenzene	20.21	95	2487866	50.20	ug/l		0.00
Spiked Amount 50.000	Range 89 - 105		Recovery =	100.40%			
Target Compounds							Qvalue
10) Acetone	5.40	43	15152m BL	3.99	ug/l		
25) cis-1,2-Dichloroethene	9.32	61	112344	3.26	ug/l		94
30) 1,2-Dichloroethane	11.14	62	95786	3.59	ug/l		99
31) 2-Butanone	9.46	43	14982	2.89	ug/l		91
42) Benzene	11.16	78	12244176	184.48	ug/l	E	100
55) Toluene	15.10	91	30631	0.38	ug/l		87
58) Ethylbenzene	18.12	91	17489m BL	0.18	ug/l		
61) m,p-Xylene	18.35	91	25650m BL	0.32	ug/l		
62) o-Xylene	19.16	91	15820	0.19	ug/l	#	66
71) 1,3,5-Trimethylbenzene	21.13	105	13017m BL	0.14	ug/l		
73) 1,2,4-Trimethylbenzene	21.88	105	17746m BL	0.20	ug/l		
84) Naphthalene	27.24	128	279744	6.53	ug/l		100

(#) = qualifier out of range (m) = manual integration

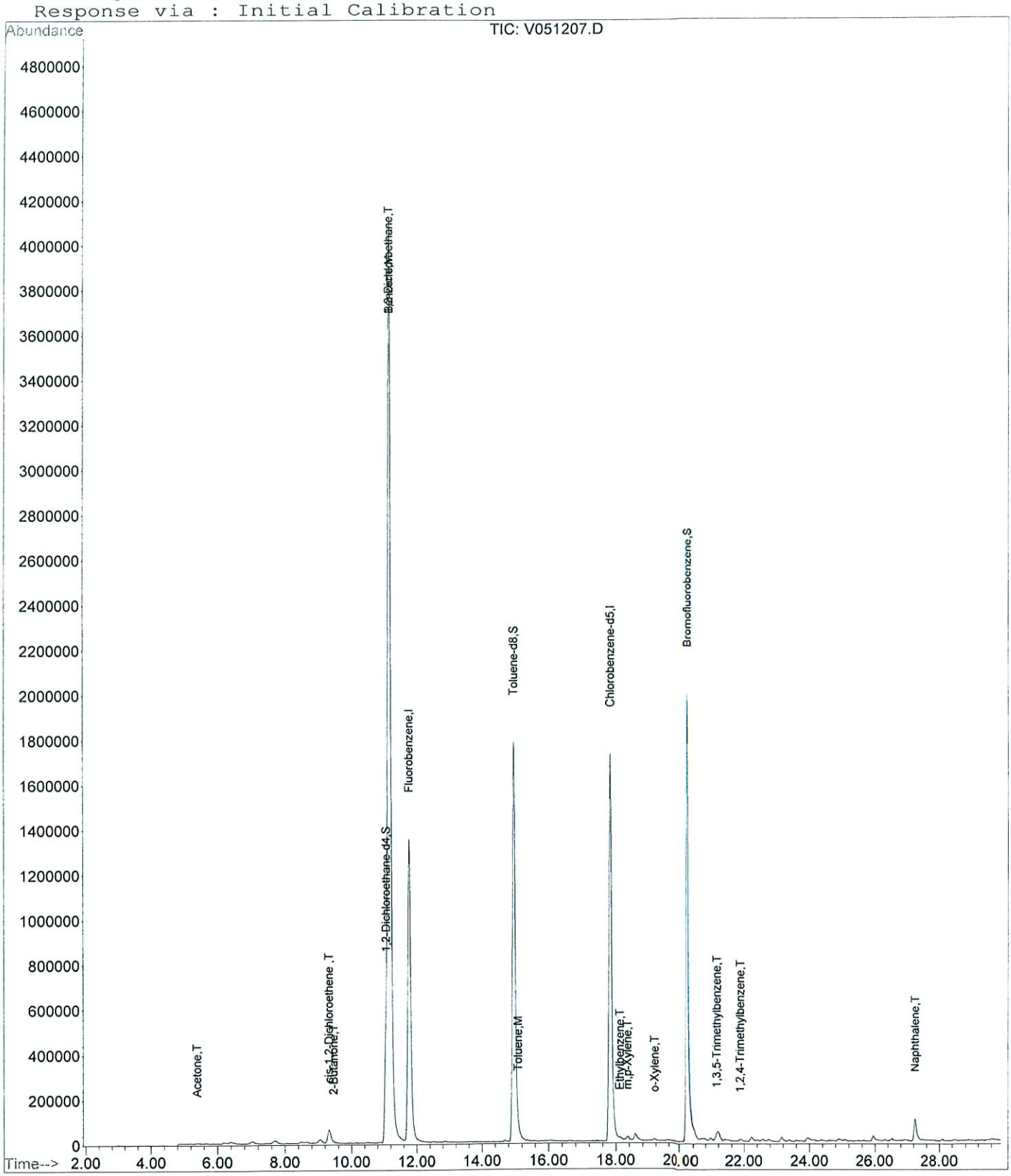
Quantitation Report

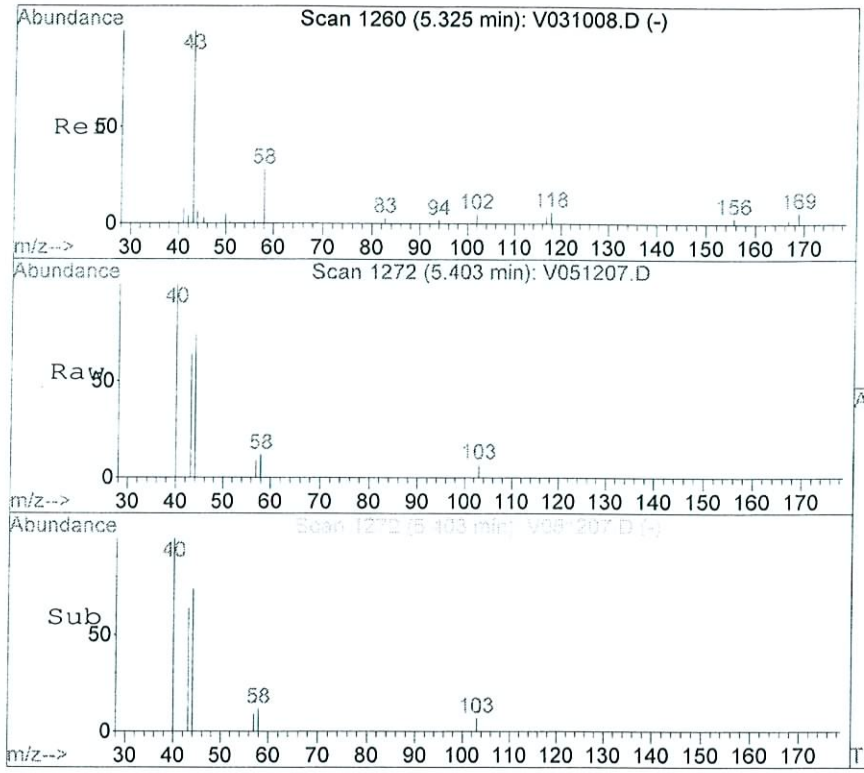
Data File : P:\MSD\051211.B\V051207.D
Acq On : 12 May 2011 1:36 pm
Sample : 43563-A-2 DF=1 LM=8260B BT=V051211A
Misc : PZ-7
MS Integration Params: rteint.p
Quant Time: May 12 14:32 2011

Vial: 7
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Method : P:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration

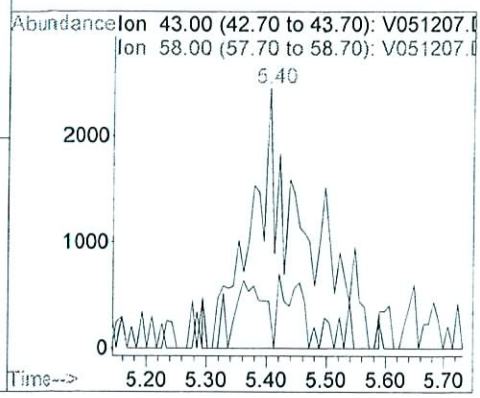


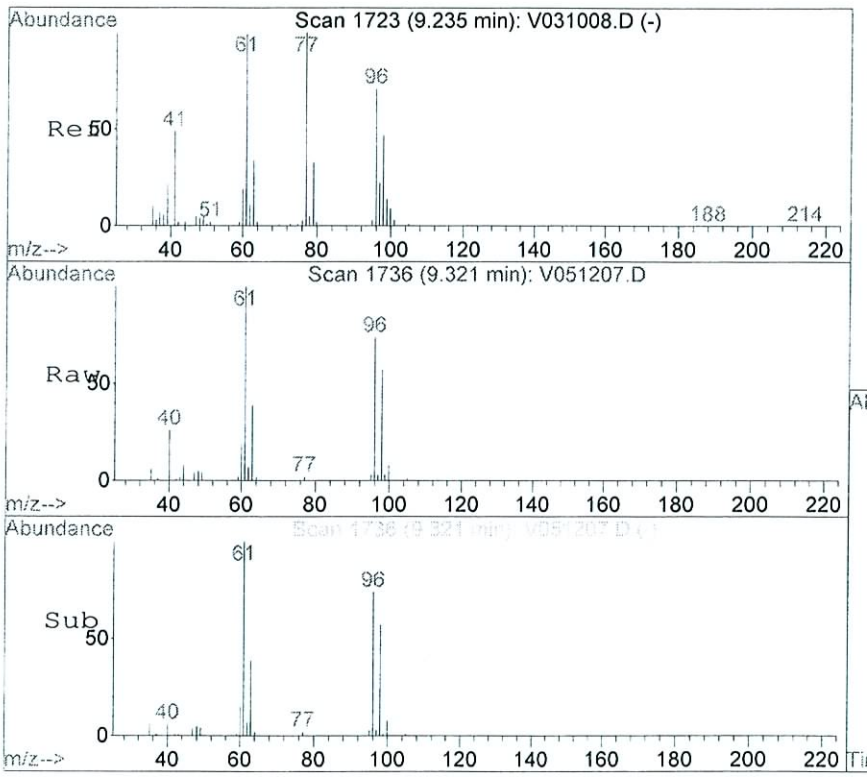


#10
Acetone
Concen: 3.99 ug/l m
RT: 5.40 min Scan# 1272
Delta R.T. -0.01 min
Lab File: V051207.D
Acq: 12 May 2011 1:36 pm

Tgt Ion: 43 Resp: 15152

Ion	Ratio	Lower	Upper
43	100		
58	18.2	0.0	72.1

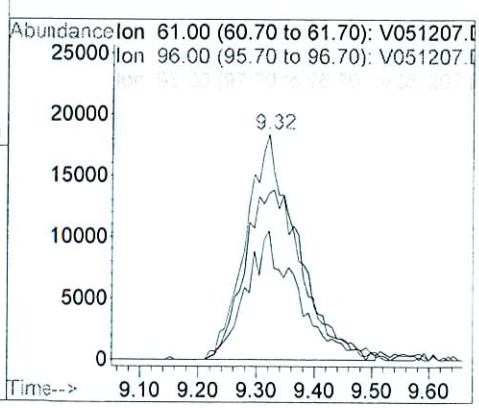


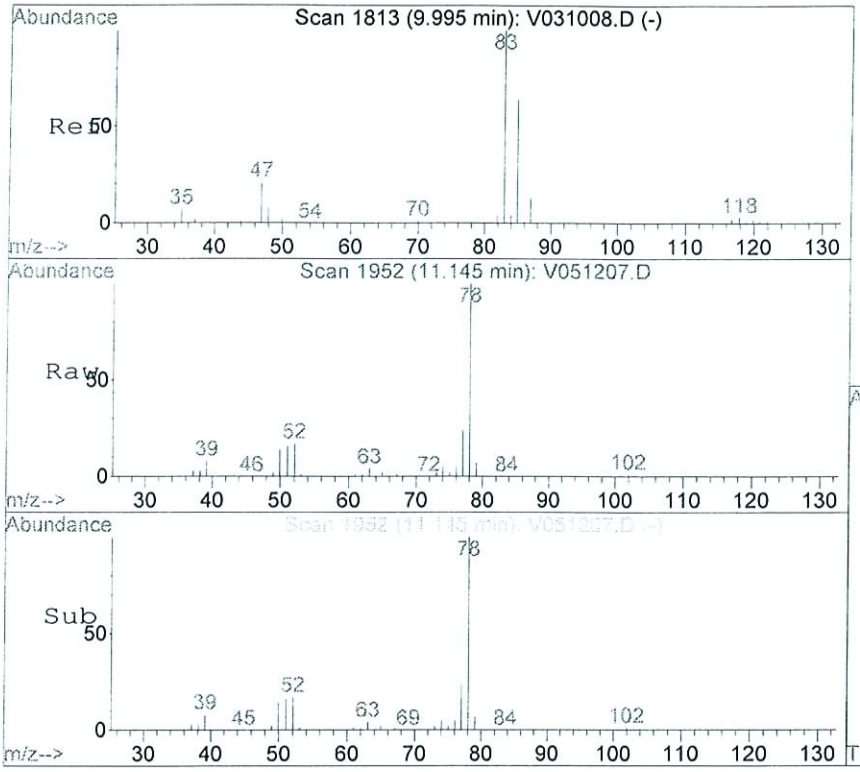


#25
cis-1,2-Dichloroethene
Concen: 3.26 ug/l
RT: 9.32 min Scan# 1736
Delta R.T. 0.01 min
Lab File: V051207.D
Acq: 12 May 2011 1:36 pm

Tgt Ion: 61 Resp: 112344

Ion	Ratio	Lower	Upper
61	100		
96	73.8	59.4	99.4
98	57.0	33.8	73.8

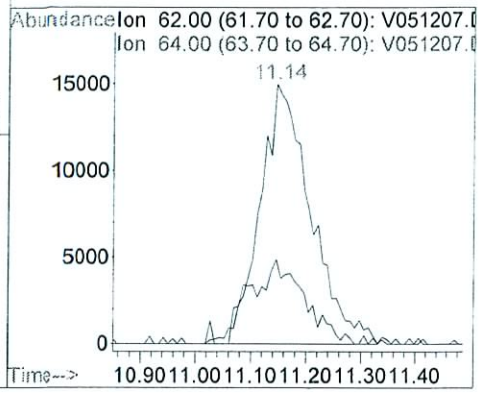


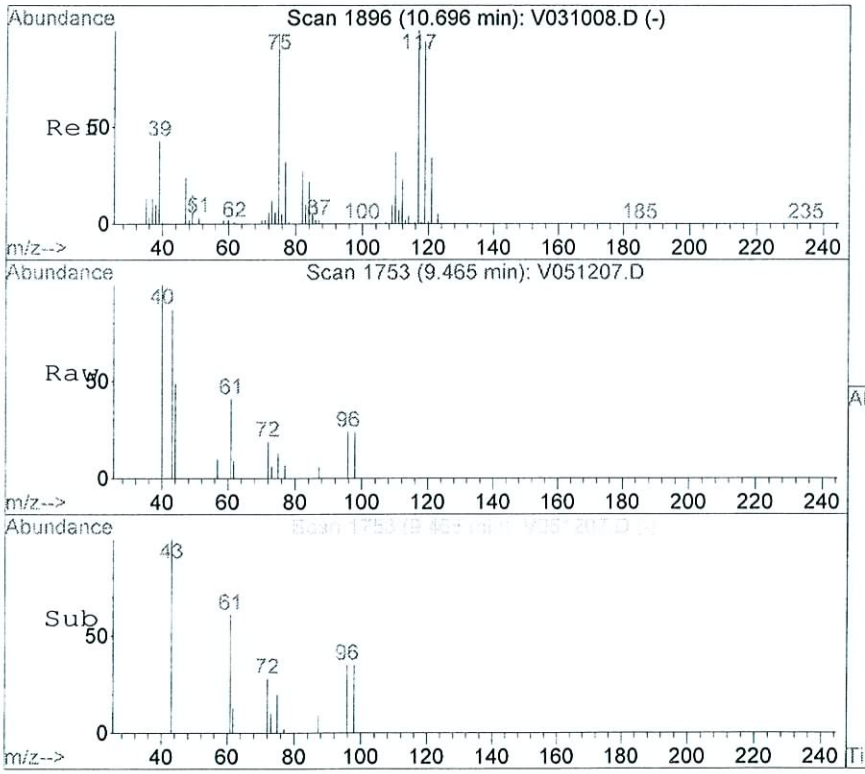


#30
1,2-Dichloroethane
Concen: 3.59 ug/l
RT: 11.14 min Scan# 1952
Delta R.T. -0.06 min
Lab File: V051207.D
Acq: 12 May 2011 1:36 pm

Tgt Ion: 62 Resp: 95786

Ion	Ratio	Lower	Upper
62	100		
64	32.5	11.8	51.8

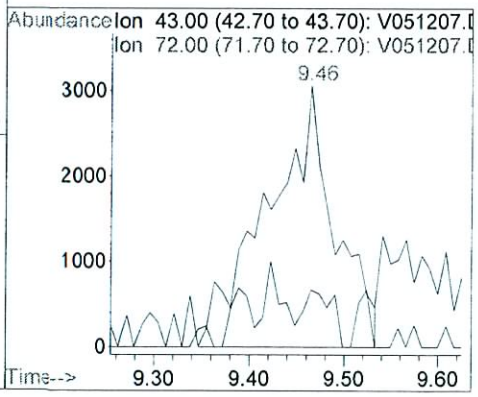


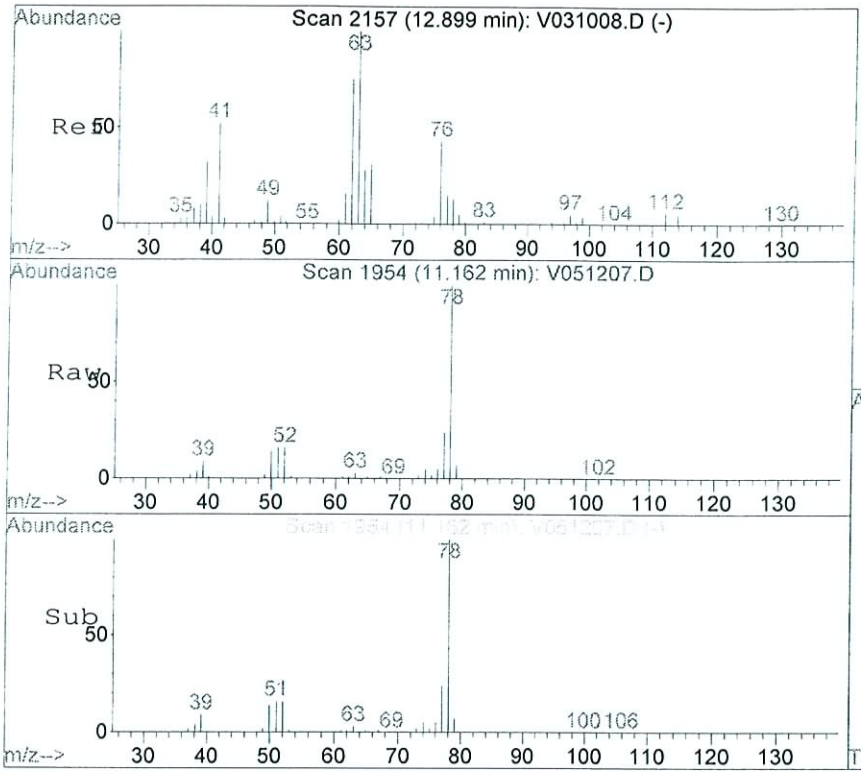


#31
2-Butanone
Concen: 2.89 ug/l
RT: 9.46 min Scan# 1753
Delta R.T. 0.04 min
Lab File: V051207.D
Acq: 12 May 2011 1:36 pm

Tgt Ion: 43 Resp: 14982

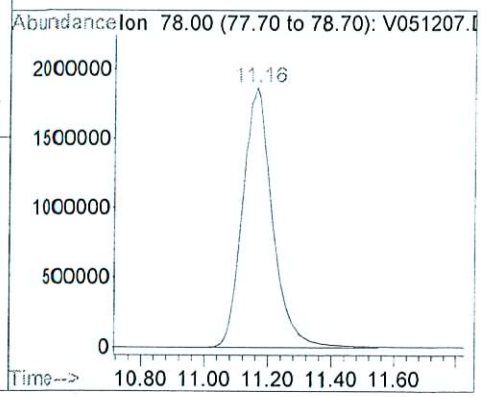
Ion	Ratio	Lower	Upper
43	100		
72	21.8	6.4	46.4

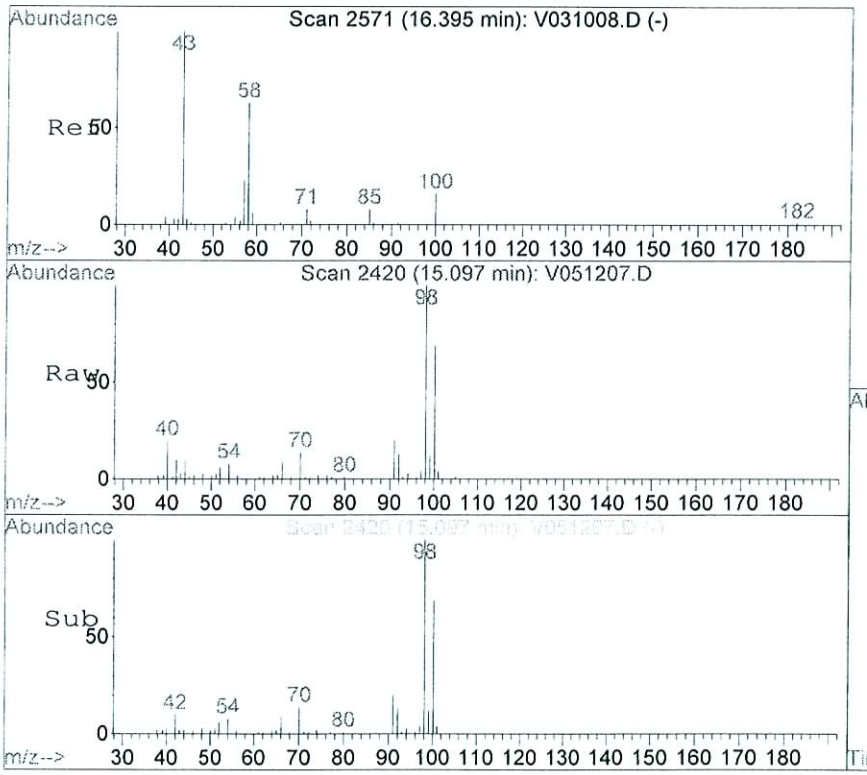




#42
Benzene
Concen: 184.48 ug/l
RT: 11.16 min Scan# 1954
Delta R.T. 0.01 min
Lab File: V051207.D
Acq: 12 May 2011 1:36 pm

Tgt Ion: 78 Resp:12244176

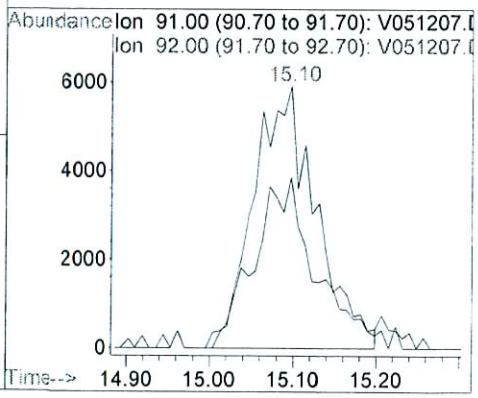


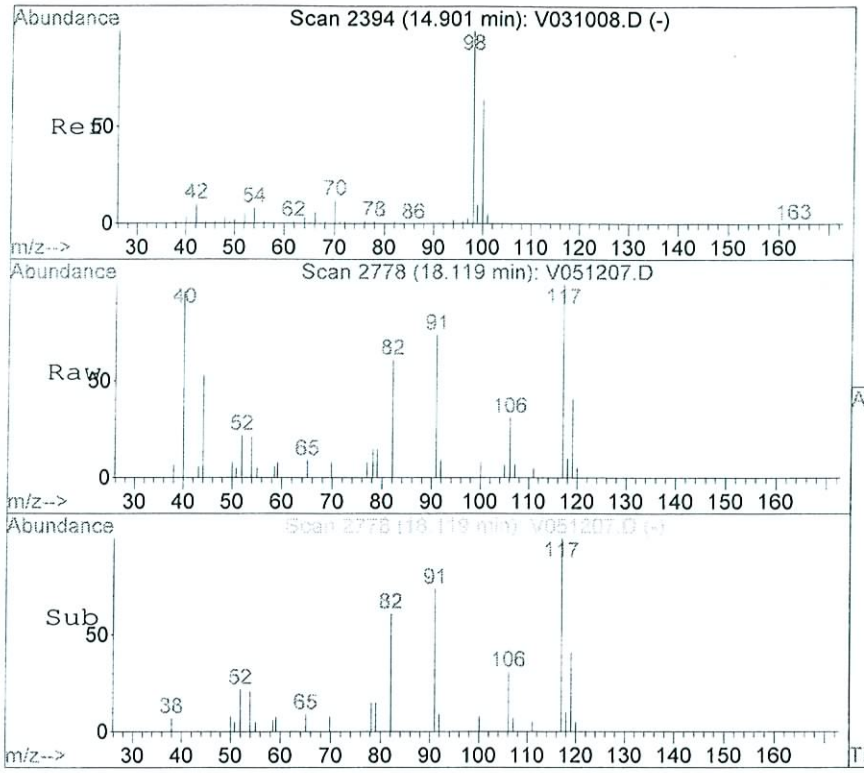


#55
Toluene
Concen: 0.38 ug/l
RT: 15.10 min Scan# 2420
Delta R.T. 0.02 min
Lab File: V051207.D
Acq: 12 May 2011 1:36 pm

Tgt Ion: 91 Resp: 30631

Ion	Ratio	Lower	Upper
91	100		
92	65.1	35.7	75.7

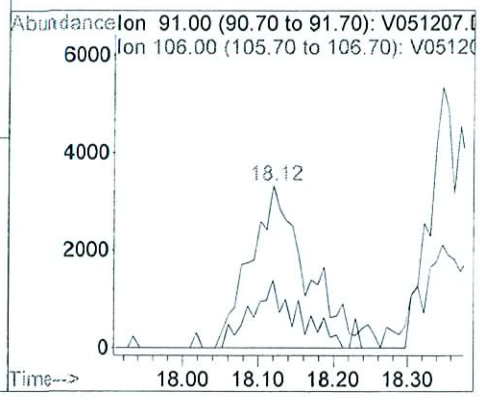


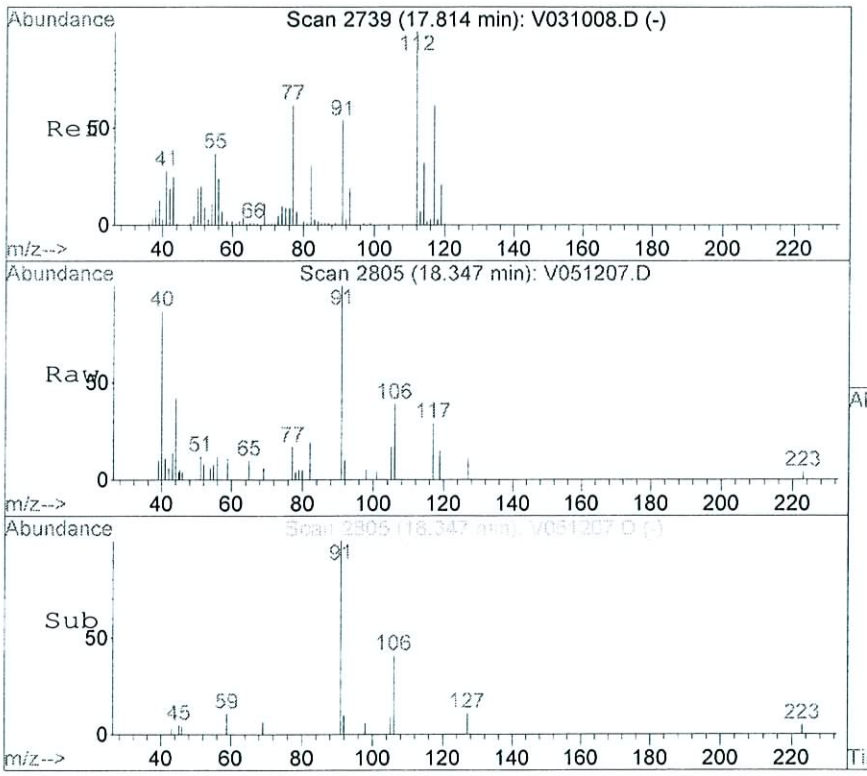


#58
Ethylbenzene
Concen: 0.18 ug/l m
RT: 18.12 min Scan# 2778
Delta R.T. 0.00 min
Lab File: V051207.D
Acq: 12 May 2011 1:36 pm

Tgt Ion: 91 Resp: 17489

Ion	Ratio	Lower	Upper
91	100		
106	41.7	9.6	49.6

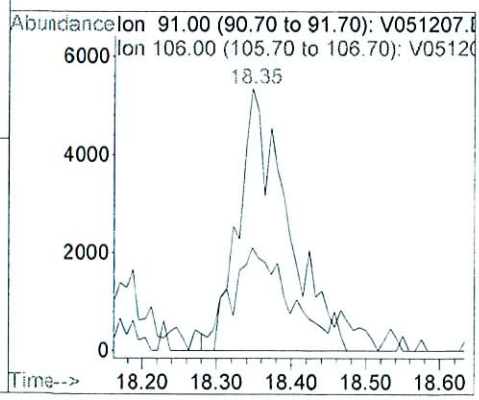


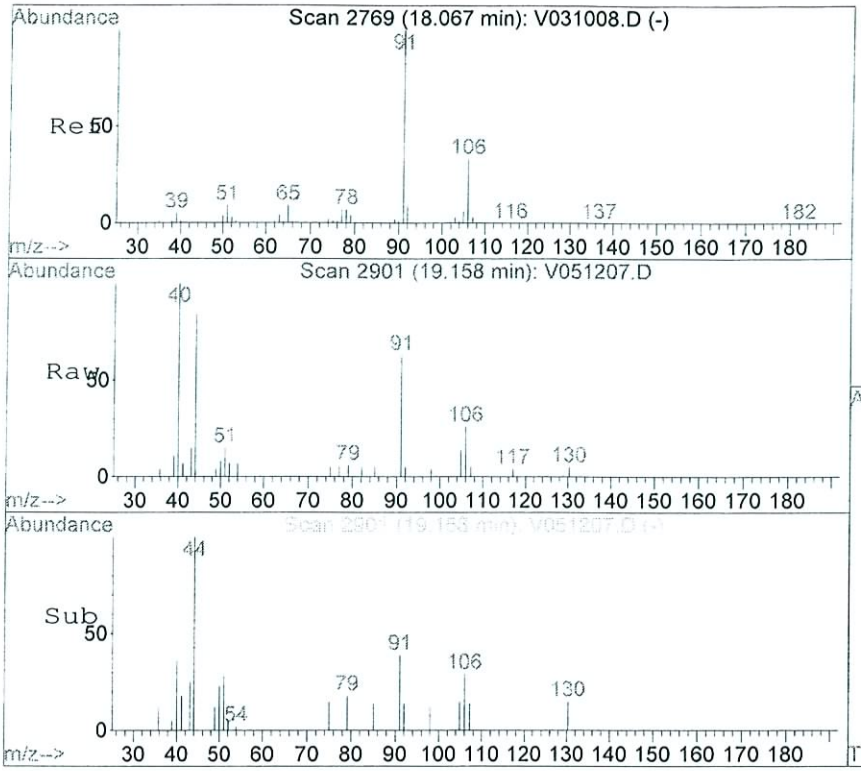


#61
m,p-Xylene
Concen: 0.32 ug/l m
RT: 18.35 min Scan# 2805
Delta R.T. -0.01 min
Lab File: V051207.D
Acq: 12 May 2011 1:36 pm

Tgt Ion: 91 Resp: 25650

Ion	Ratio	Lower	Upper
91	100		
106	39.4	25.9	65.9

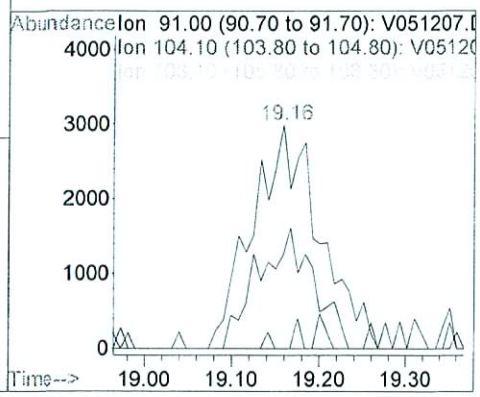


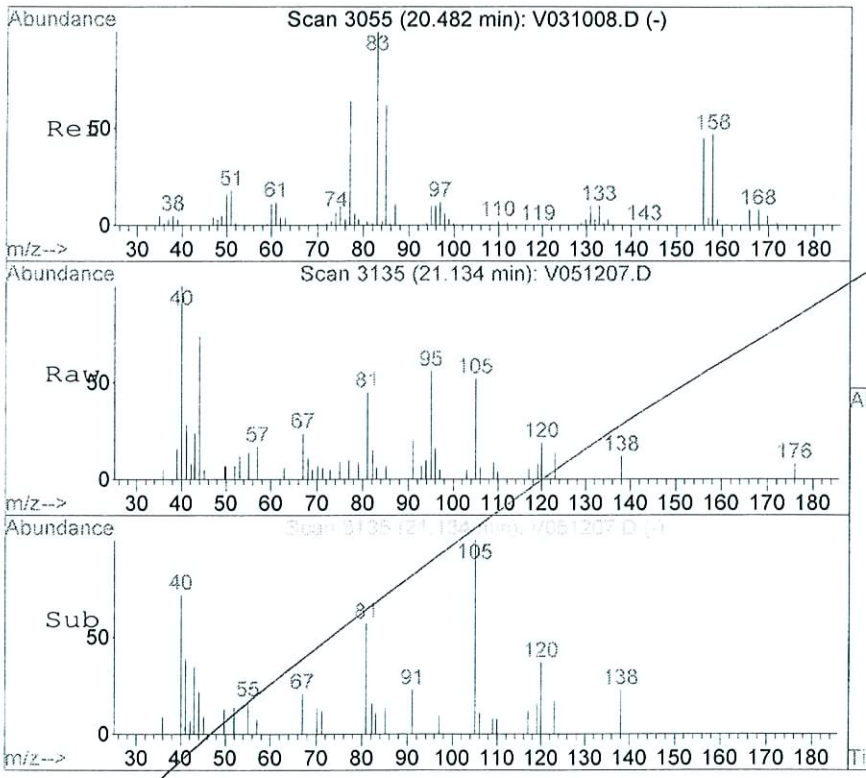


#62
o-Xylene
Concen: 0.19 ug/l
RT: 19.16 min Scan# 2901
Delta R.T. 0.01 min
Lab File: V051207.D
Acq: 12 May 2011 1:36 pm

Tgt Ion: 91 Resp: 15820

Ion	Ratio	Lower	Upper
91	100		
104	0.0	22.2	62.2#
106	41.7	23.9	63.9

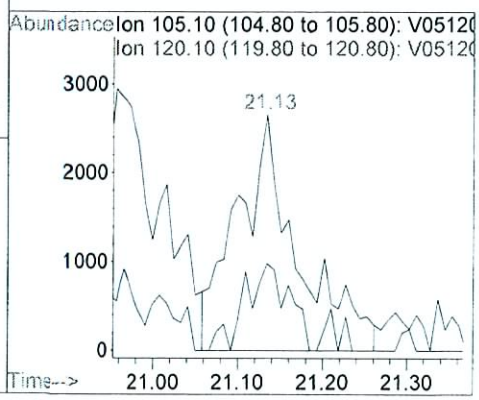




#71
1,3,5-Trimethylbenzene 6/3/11 DS
Concen: 0.14 ug/l m
RT: 21.13 min Scan# 3135
Delta R.T. 0.02 min
Lab File: V051207.D
Acq: 12 May 2011 1:36 pm

Tgt Ion:105 Resp: 13017

Ion	Ratio	Lower	Upper
105	100		
120	36.9	26.8	66.8



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ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-7 DL	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-2
Analysis Method:	8260B	Lab File ID:	V051211.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 16:00
% Moisture:		Dilution Factor:	10
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	10	U	10	1.9
79-34-5	1,1,2,2-Tetrachloroethane	10	U	10	1.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	1.9
79-00-5	1,1,2-Trichloroethane	10	U	10	2.2
75-34-3	1,1-Dichloroethane	10	U	10	1.1
75-35-4	1,1-Dichloroethene	10	U	10	1.2
120-82-1	1,2,4-Trichlorobenzene	10	U	10	1.7
96-12-8	1,2-Dibromo-3-Chloropropane	50	U	50	1.8
95-50-1	1,2-Dichlorobenzene	10	U	10	1.8
107-06-2	1,2-Dichloroethane	4.5	J D	10	1.0
78-87-5	1,2-Dichloropropane	10	U	10	1.7
541-73-1	1,3-Dichlorobenzene	10	U	10	1.5
106-46-7	1,4-Dichlorobenzene	10	U	10	1.7
591-78-6	2-Hexanone	10	U	10	1.8
67-64-1	Acetone	10	U	10	2.7
71-43-2	Benzene	200	D	10	1.2
75-25-2	Bromoform	10	U	10	1.7
74-83-9	Bromomethane	10	U	10	1.0
75-15-0	Carbon disulfide	10	U	10	1.4
56-23-5	Carbon tetrachloride	10	U	10	1.5
108-90-7	Chlorobenzene	10	U	10	1.6
124-48-1	Dibromochloromethane	10	U	10	0.80
75-00-3	Chloroethane	10	U	10	2.1
67-66-3	Chloroform	10	U	10	1.4
74-87-3	Chloromethane	10	U	10	1.4
156-59-2	cis-1,2-Dichloroethene	3.7	J D	10	1.4
10061-01-5	cis-1,3-Dichloropropene	10	U	10	1.0
75-27-4	Bromodichloromethane	10	U	10	1.6
75-71-8	Dichlorodifluoromethane	10	U	10	1.6
100-41-4	Ethylbenzene	10	U	10	1.3
98-82-8	Isopropylbenzene	10	U	10	1.0
78-93-3	2-Butanone (MEK)	10	U	10	0.70

FORM I 8260B

ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-7 DL	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-2
Analysis Method:	8260B	Lab File ID:	V051211.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 16:00
% Moisture:		Dilution Factor:	10
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	1.5
1634-04-4	Methyl tert-butyl ether	10	U	10	0.80
75-09-2	Methylene Chloride	10	U	10	1.1
100-42-5	Styrene	10	U	10	1.2
1330-20-7	Xylenes, Total	10	U	10	3.4
75-01-4	Vinyl chloride	10	U	10	1.5
75-69-4	Trichlorofluoromethane	10	U	10	1.3
79-01-6	Trichloroethene	10	U	10	0.90
10061-02-6	trans-1,3-Dichloropropene	10	U	10	0.70
156-60-5	trans-1,2-Dichloroethene	10	U	10	1.4
108-88-3	Toluene	10	U	10	1.2
127-18-4	Tetrachloroethene	10	U	10	2.4
106-93-4	1,2-Dibromoethane	10	U	10	1.7

Quantitation Report (QT Reviewed)

Data File : X:\MSD\051211.B\V051211.D Vial: 11
Acq On : 12 May 2011 4:00 pm Operator: EA
Sample : 43563-A-2 DF=10 LM=8260B BT=V051211A Inst : MSD
Misc : PZ-7 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 7 10:58 2011 Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

BA 6/7/11

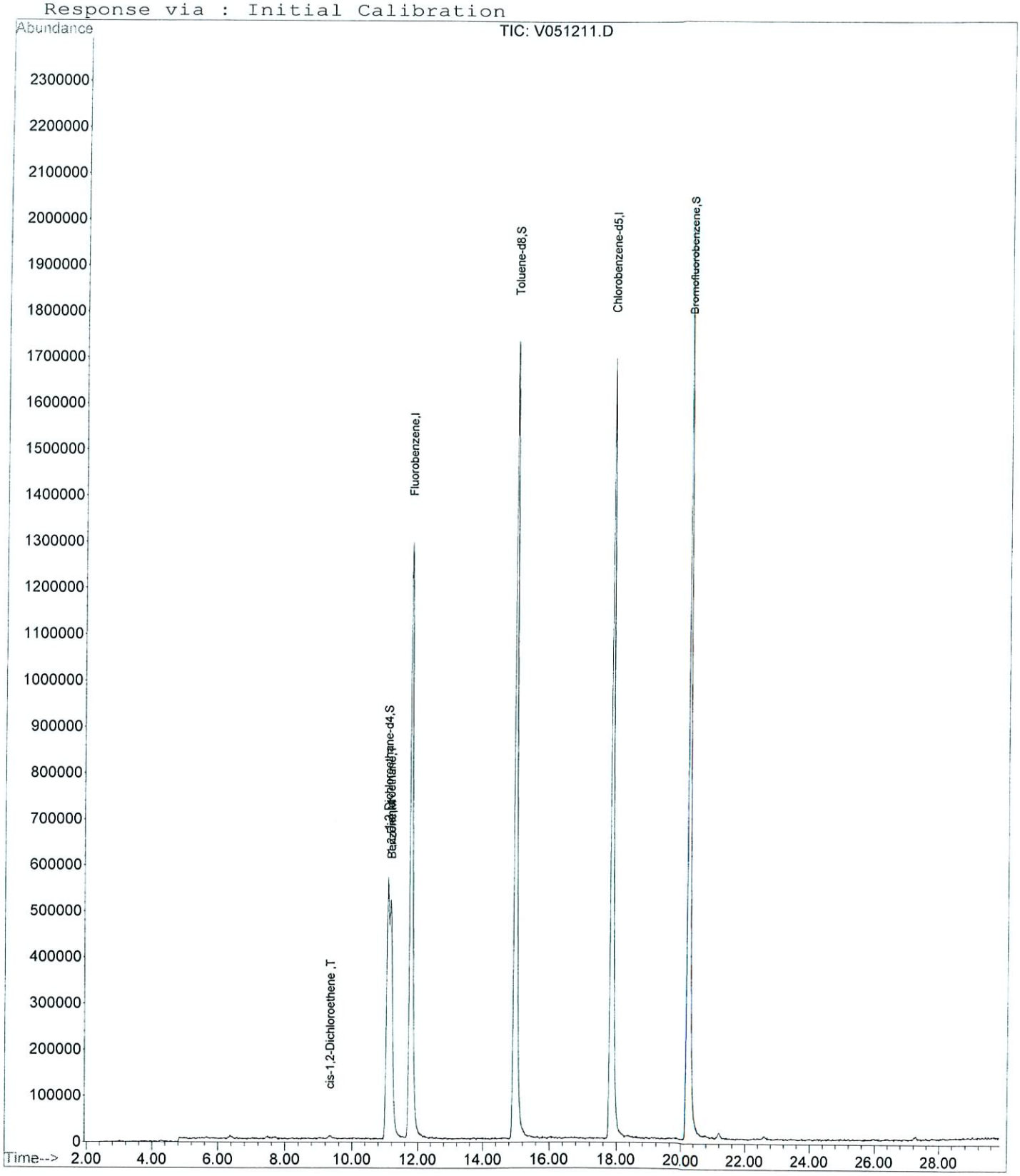
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.77	96	3933614	50.00	ug/l	0.00
49) Chlorobenzene-d5	17.82	117	3160288	50.00	ug/l	0.00
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	11.07	65	1163908	57.15	ug/l	0.03
Spiked Amount 50.000	Range 86 - 117		Recovery = 114.30%			
54) Toluene-d8	14.95	98	3887079	57.31	ug/l	0.00
Spiked Amount 50.000	Range 93 - 107		Recovery = 114.62%#			
59) Bromofluorobenzene	20.21	95	2487297	52.56	ug/l	0.00
Spiked Amount 50.000	Range 89 - 105		Recovery = 105.12%#			
Target Compounds						Qvalue
25) cis-1,2-Dichloroethene	9.32	61	12225	0.37	ug/l D#	78
30) 1,2-Dichloroethane	11.15	62	11476m BL	0.45	ug/l D	
42) Benzene	11.17	78	1255335	19.94	ug/l D	100

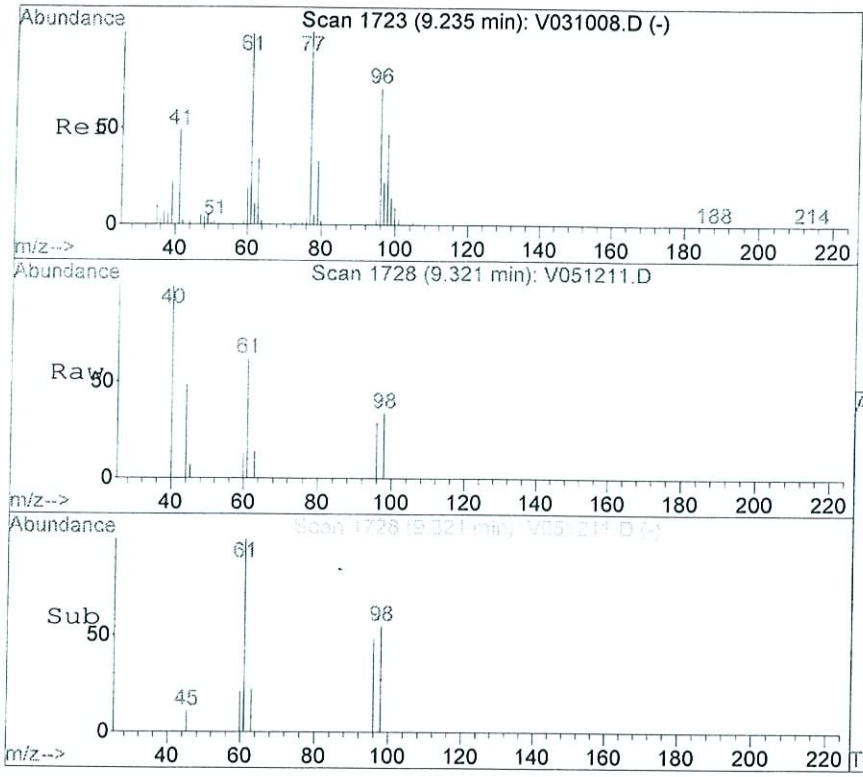
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\MSD\051211.B\V051211.D Vial: 11
Acq On : 12 May 2011 4:00 pm Operator: EA
Sample : 43563-A-2 DF=10 LM=8260B BT=V051211A Inst : MSD
Misc : PZ-7 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Jun 7 10:58 2011 Quant Results File: 82600414.RES

Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Jun 01 12:36:26 2011
Response via : Initial Calibration

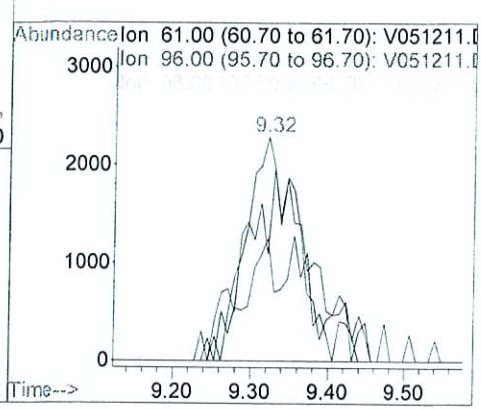


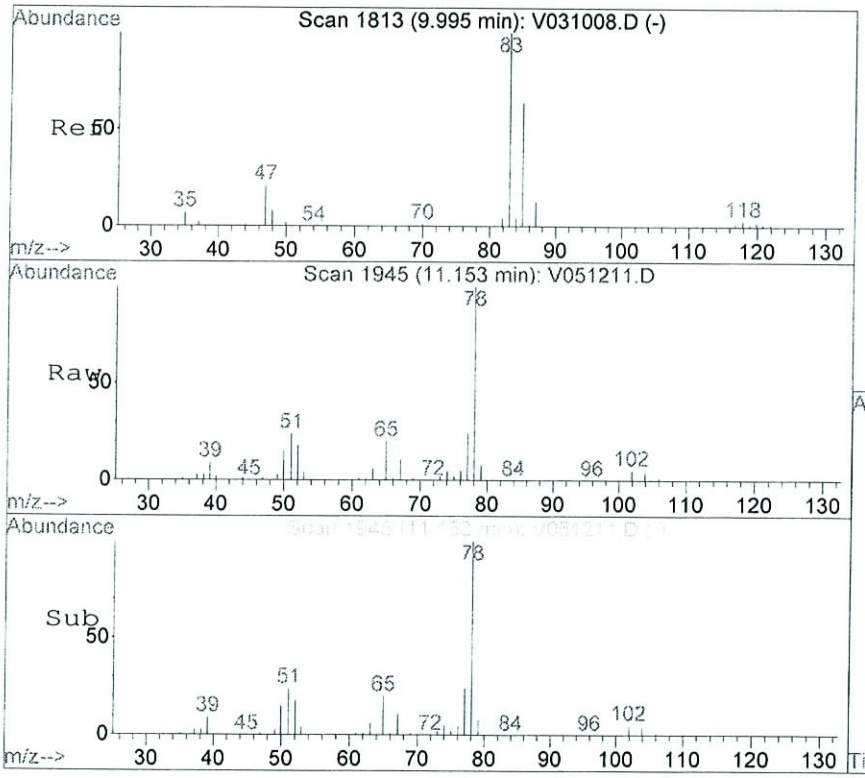


#25
cis-1,2-Dichloroethene
Concen: 0.37 ug/l
RT: 9.32 min Scan# 1728
Delta R.T. 0.01 min
Lab File: V051211.D
Acq: 12 May 2011 4:00 pm

Tgt Ion: 61 Resp: 12225

Ion	Ratio	Lower	Upper
61	100		
96	47.6	59.4	99.4#
98	54.7	33.8	73.8

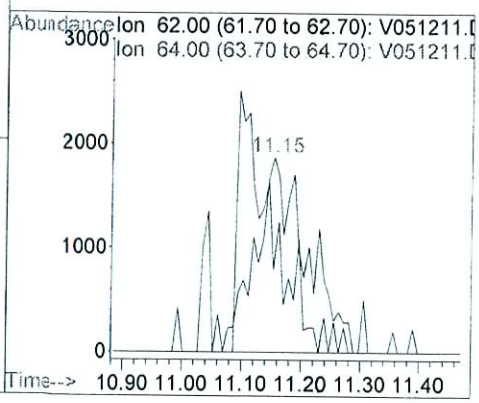


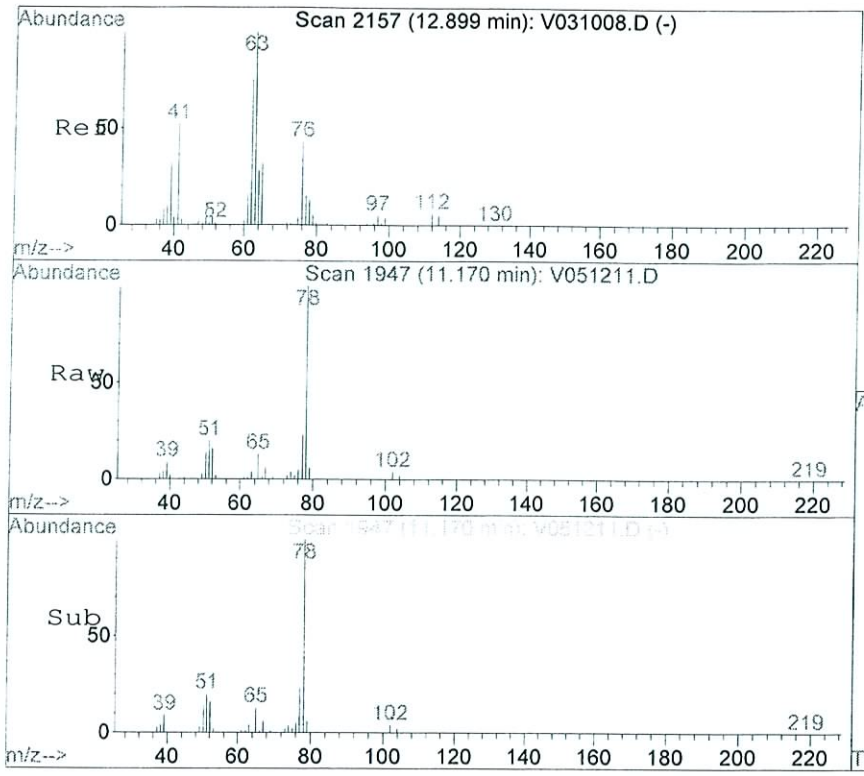


#30
1,2-Dichloroethane
Concen: 0.45 ug/l m
RT: 11.15 min Scan# 1945
Delta R.T. -0.05 min
Lab File: V051211.D
Acq: 12 May 2011 4:00 pm

Tgt Ion: 62 Resp: 11476

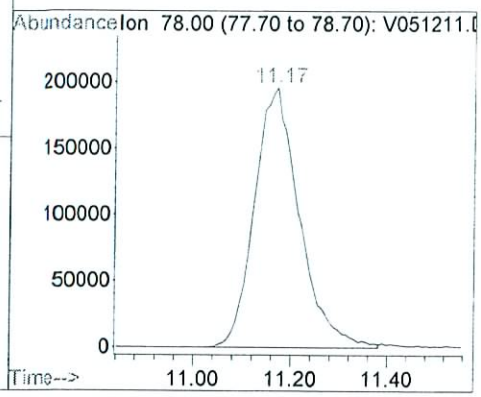
Ion	Ratio	Lower	Upper
62	100		
64	42.3	11.8	51.8





#42
Benzene
Concen: 19.94 ug/l
RT: 11.17 min Scan# 1947
Delta R.T. 0.02 min
Lab File: V051211.D
Acq: 12 May 2011 4:00 pm

Tgt Ion: 78 Resp: 1255335



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ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	MW4S	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-3
Analysis Method:	8260B	Lab File ID:	V051208.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 14:12
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.22
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.11
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.17
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.18
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.18
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.15
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.17
591-78-6	2-Hexanone	1.0	U	1.0	0.18
67-64-1	Acetone	1.0	U	1.0	0.27
71-43-2	Benzene	1.0	U	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.17
74-83-9	Bromomethane	1.0	U	1.0	0.10
75-15-0	Carbon disulfide	1.0	U	1.0	0.14
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.15
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
124-48-1	Dibromochloromethane	1.0	U	1.0	0.080
75-00-3	Chloroethane	1.0	U	1.0	0.21
67-66-3	Chloroform	1.0	U	1.0	0.14
74-87-3	Chloromethane	1.0	U	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	3.2		1.0	0.14
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.10
75-27-4	Bromodichloromethane	1.0	U	1.0	0.16
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	1.0	U	1.0	0.13
98-82-8	Isopropylbenzene	1.0	U	1.0	0.10
78-93-3	2-Butanone (MEK)	1.0	U	1.0	0.070

FORM I 8260B

ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	MW4S	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-3
Analysis Method:	8260B	Lab File ID:	V051208.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 14:12
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	1.0	0.15
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.080
75-09-2	Methylene Chloride	1.0	U	1.0	0.11
100-42-5	Styrene	1.0	U	1.0	0.12
1330-20-7	Xylenes, Total	1.0	U	1.0	0.34
75-01-4	Vinyl chloride	1.0	U	1.0	0.15
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.13
79-01-6	Trichloroethene	1.0	U	1.0	0.090
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.070
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
108-88-3	Toluene	1.0	U	1.0	0.12
127-18-4	Tetrachloroethene	1.0	U	1.0	0.24
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.17

Quantitation Report (QT Reviewed)

Data File : P:\MSD\051211.B\V051208.D Vial: 8
Acq On : 12 May 2011 2:12 pm Operator: EA
Sample : 43563-A-3 DF=1 LM=8260B BT=V051211A Inst : MSD
Misc : MW4S Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 14:57 2011 Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

EA 6/1/11

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.75	96	4108148	50.00	ug/l	0.00
49) Chlorobenzene-d5	17.82	117	3337381	50.00	ug/l	0.00
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	11.05	65	1173972	55.20	ug/l	0.00
Spiked Amount 50.000	Range 86 - 117		Recovery =	110.40%		
54) Toluene-d8	14.95	98	4026388	56.21	ug/l	0.00
Spiked Amount 50.000	Range 93 - 107		Recovery =	112.42%#		
59) Bromofluorobenzene	20.20	95	2535078	50.73	ug/l	0.00
Spiked Amount 50.000	Range 89 - 105		Recovery =	101.46%		
Target Compounds						Qvalue
25) cis-1,2-Dichloroethene	9.32	61	108215	3.17	ug/l	88

(#) = qualifier out of range (m) = manual integration

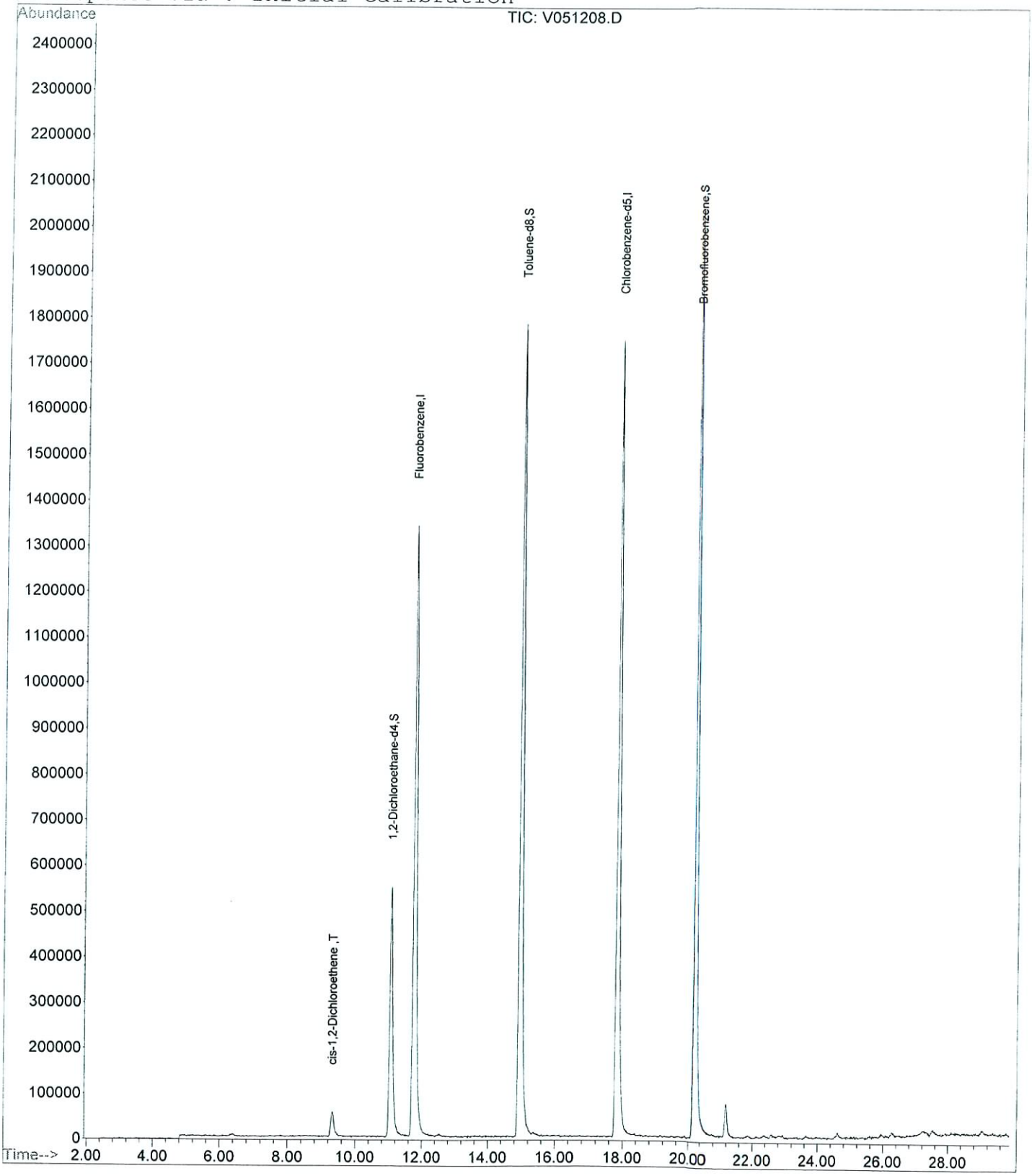
Quantitation Report

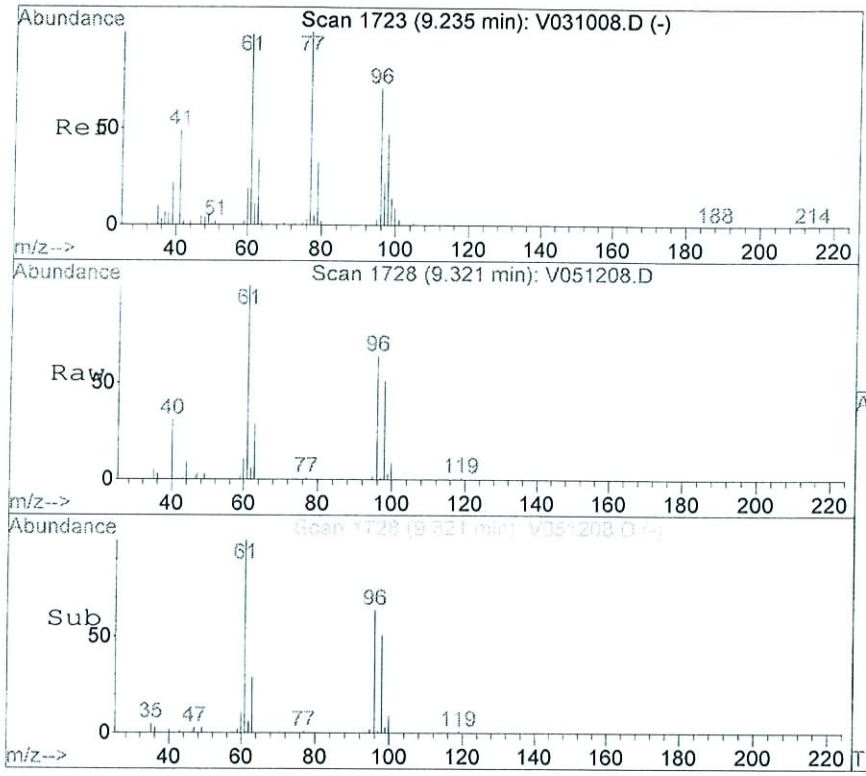
Data File : P:\MSD\051211.B\V051208.D
Acq On : 12 May 2011 2:12 pm
Sample : 43563-A-3 DF=1 LM=8260B BT=V051211A
Misc : MW4S
MS Integration Params: rteint.p
Quant Time: May 12 14:57 2011

Vial: 8
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Method : P:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration

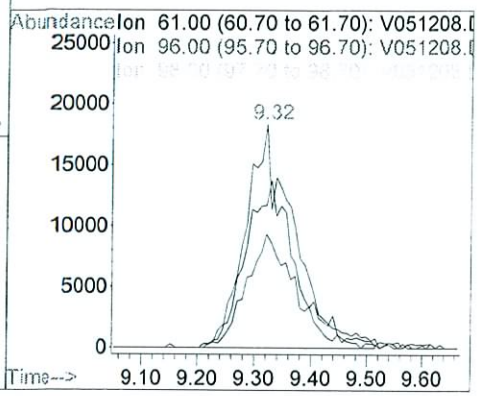




#25
cis-1,2-Dichloroethene
Concen: 3.17 ug/l
RT: 9.32 min Scan# 1728
Delta R.T. 0.01 min
Lab File: V051208.D
Acq: 12 May 2011 2:12 pm

Tgt Ion: 61 Resp: 108215

Ion	Ratio	Lower	Upper
61	100		
96	63.8	59.4	99.4
98	50.9	33.8	73.8



1

ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	SUMP	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-4
Analysis Method:	8260B	Lab File ID:	V051209.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 14:48
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.22
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.11
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.17
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.18
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.18
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.15
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.17
591-78-6	2-Hexanone	1.0	U	1.0	0.18
67-64-1	Acetone	2.2		1.0	0.27
71-43-2	Benzene	1.0	U	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.17
74-83-9	Bromomethane	1.0	U	1.0	0.10
75-15-0	Carbon disulfide	1.0	U	1.0	0.14
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.15
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
124-48-1	Dibromochloromethane	1.0	U	1.0	0.080
75-00-3	Chloroethane	1.0	U	1.0	0.21
67-66-3	Chloroform	1.0	U	1.0	0.14
74-87-3	Chloromethane	1.0	U	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.14
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.10
75-27-4	Bromodichloromethane	1.0	U	1.0	0.16
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	1.0	U	1.0	0.13
98-82-8	Isopropylbenzene	1.0	U	1.0	0.10
78-93-3	2-Butanone (MEK)	1.0	U	1.0	0.070

FORM I 8260B

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ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	SUMP	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-4
Analysis Method:	8260B	Lab File ID:	V051209.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 14:48
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	1.0	0.15
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.080
75-09-2	Methylene Chloride	1.0	U	1.0	0.11
100-42-5	Styrene	1.0	U	1.0	0.12
1330-20-7	Xylenes, Total	1.0	U	1.0	0.34
75-01-4	Vinyl chloride	1.0	U	1.0	0.15
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.13
79-01-6	Trichloroethene	0.65	J	1.0	0.090
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.070
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
108-88-3	Toluene	1.0	U	1.0	0.12
127-18-4	Tetrachloroethene	1.0	U	1.0	0.24
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.17

FORM I 8260B

Quantitation Report (QT Reviewed)

Data File : P:\MSD\051211.B\V051209.D Vial: 9
Acq On : 12 May 2011 2:48 pm Operator: EA
Sample : 43563-A-4 DF=1 LM=8260B BT=V051211A Inst : MSD
Misc : SUMP Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 15:46 2011 Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

BA 6/1/11

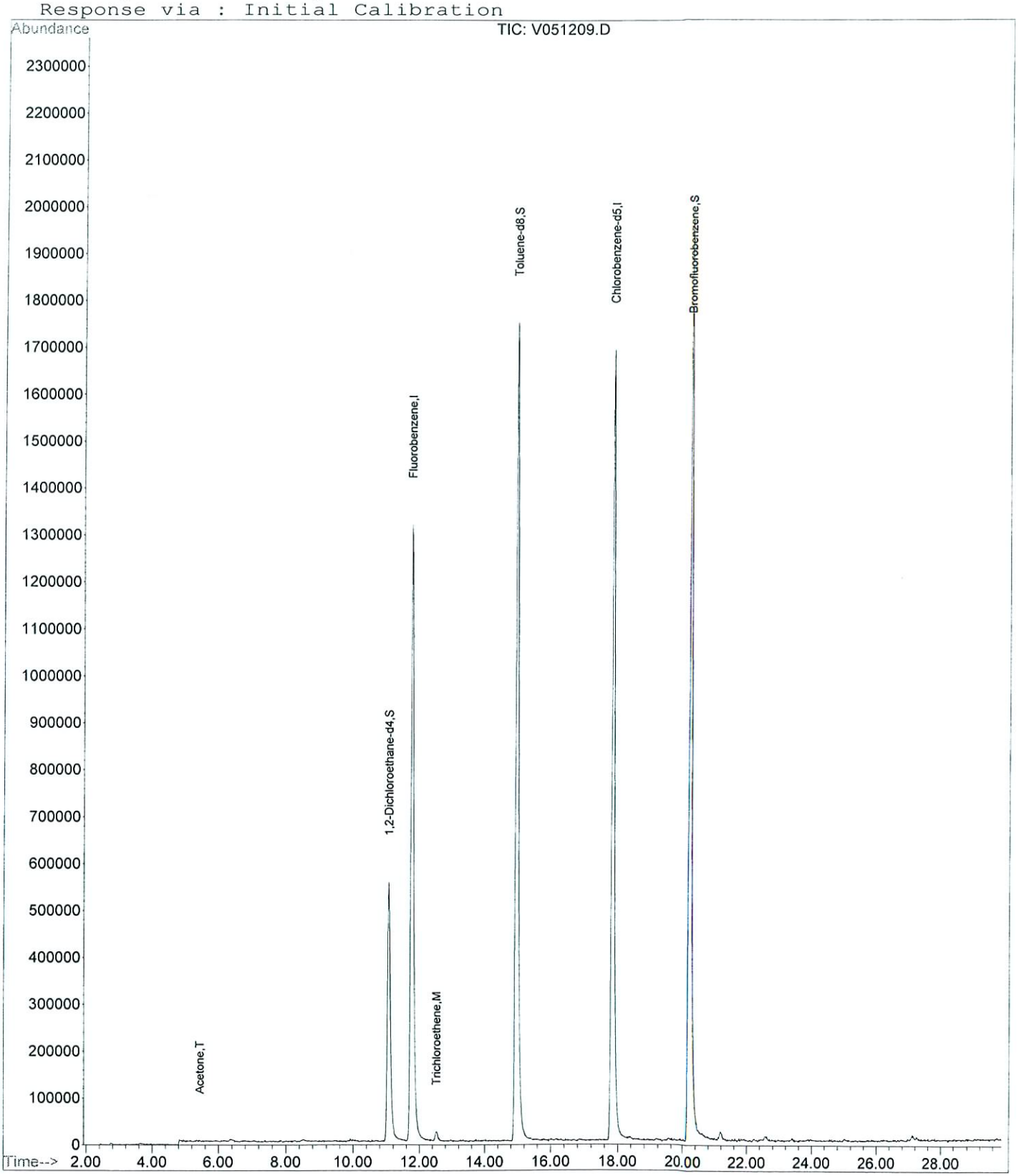
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.76	96	3968130	50.00	ug/l	0.00
49) Chlorobenzene-d5	17.82	117	3194601	50.00	ug/l	0.00
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	11.07	65	1162644	56.59	ug/l	0.03
Spiked Amount 50.000	Range 86 - 117		Recovery =	113.18%		
54) Toluene-d8	14.95	98	3869391	56.43	ug/l	0.00
Spiked Amount 50.000	Range 93 - 107		Recovery =	112.86%#		
59) Bromofluorobenzene	20.21	95	2496329	52.19	ug/l	0.00
Spiked Amount 50.000	Range 89 - 105		Recovery =	104.38%		
Target Compounds						Qvalue
10) Acetone	5.44	43	8051m BL	2.21	ug/l	
41) Trichloroethene	12.52	95	21418m BL	0.65	ug/l	

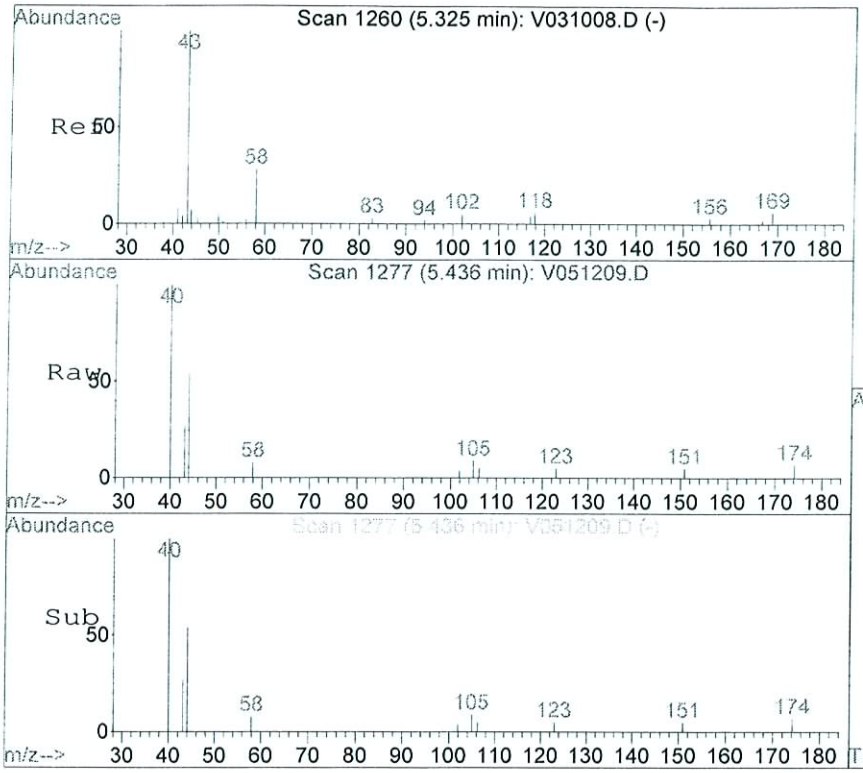
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : P:\MSD\051211.B\V051209.D Vial: 9
Acq On : 12 May 2011 2:48 pm Operator: EA
Sample : 43563-A-4 DF=1 LM=8260B BT=V051211A Inst : MSD
Misc : SUMP Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 15:46 2011 Quant Results File: 82600414.RES

Method : P:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration

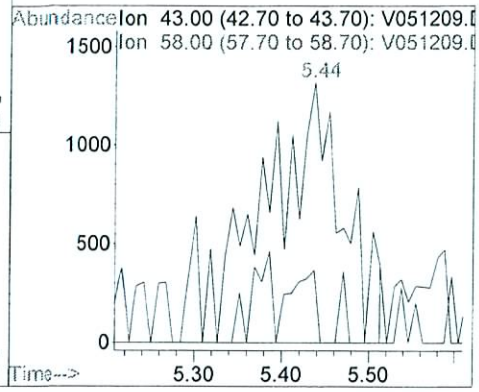


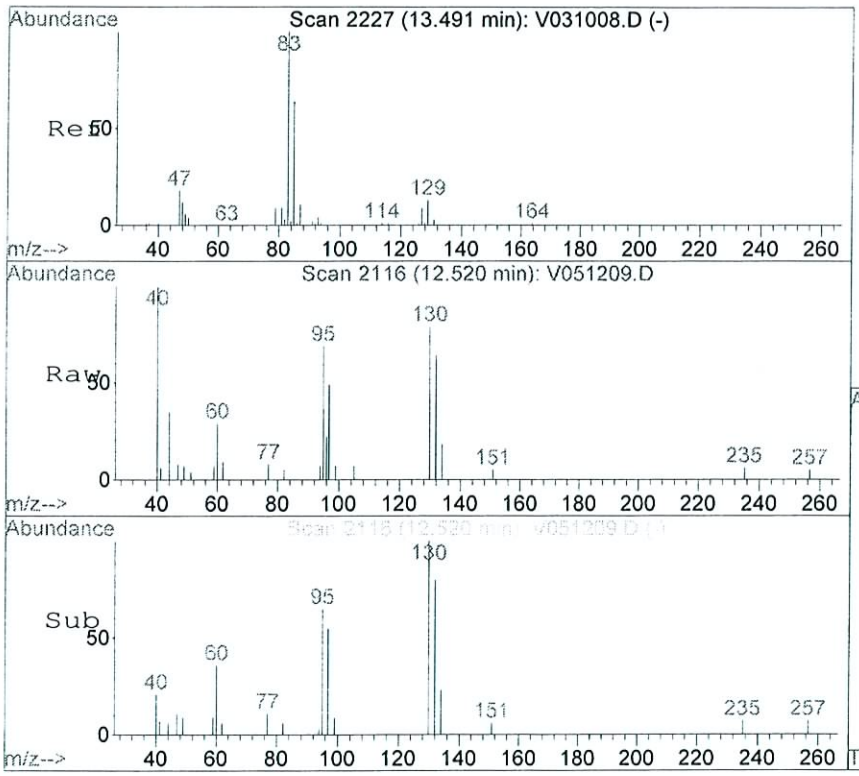


#10
Acetone
Concen: 2.21 ug/l m
RT: 5.44 min Scan# 1277
Delta R.T. 0.03 min
Lab File: V051209.D
Acq: 12 May 2011 2:48 pm

Tgt Ion: 43 Resp: 8051

Ion	Ratio	Lower	Upper
43	100		
58	27.8	0.0	72.1

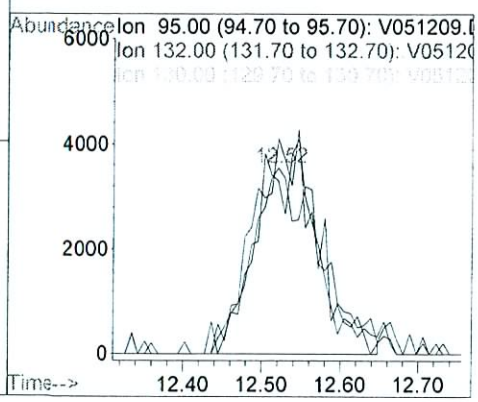




#41
Trichloroethene
Concen: 0.65 ug/l m
RT: 12.52 min Scan# 2116
Delta R.T. 0.01 min
Lab File: V051209.D
Acq: 12 May 2011 2:48 pm

Tgt Ion: 95 Resp: 21418

Ion	Ratio	Lower	Upper
95	100		
132	93.1	87.2	127.2
130	115.7	84.0	124.0



ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	Trip Blank	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-5
Analysis Method:	8260B	Lab File ID:	V051210.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 15:24
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	1.0
75-34-3	1,1-Dichloroethane	1.0	U	1.0	1.0
75-35-4	1,1-Dichloroethene	1.0	U	1.0	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	5.0
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	1.0
107-06-2	1,2-Dichloroethane	1.0	U	1.0	1.0
78-87-5	1,2-Dichloropropane	1.0	U	1.0	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	1.0
591-78-6	2-Hexanone	1.0	U	1.0	1.0
67-64-1	Acetone	1.0	U	1.0	1.0
71-43-2	Benzene	1.0	U	1.0	1.0
75-25-2	Bromoform	1.0	U	1.0	1.0
74-83-9	Bromomethane	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	1.0	U	1.0	1.0
56-23-5	Carbon tetrachloride	1.0	U	1.0	1.0
108-90-7	Chlorobenzene	1.0	U	1.0	1.0
124-48-1	Dibromochloromethane	1.0	U	1.0	1.0
75-00-3	Chloroethane	1.0	U	1.0	1.0
67-66-3	Chloroform	1.0	U	1.0	1.0
74-87-3	Chloromethane	1.0	U	1.0	1.0
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	1.0
100-41-4	Ethylbenzene	1.0	U	1.0	1.0
98-82-8	Isopropylbenzene	1.0	U	1.0	1.0
78-93-3	2-Butanone (MEK)	1.0	U	1.0	1.0

FORM I 8260B

ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	Trip Blank	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-5
Analysis Method:	8260B	Lab File ID:	V051210.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 15:24
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	RL
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	1.0
75-09-2	Methylene Chloride	1.0	U	1.0	1.0
100-42-5	Styrene	1.0	U	1.0	1.0
1330-20-7	Xylenes, Total	1.0	U	1.0	1.0
75-01-4	Vinyl chloride	1.0	U	1.0	1.0
75-69-4	Trichlorofluoromethane	1.0	U	1.0	1.0
79-01-6	Trichloroethene	1.0	U	1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	1.0
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	1.0
108-88-3	Toluene	1.0	U	1.0	1.0
127-18-4	Tetrachloroethene	1.0	U	1.0	1.0
106-93-4	1,2-Dibromoethane	1.0	U	1.0	1.0

Quantitation Report (QT Reviewed)

Data File : P:\MSD\051211.B\V051210.D
Acq On : 12 May 2011 3:24 pm
Sample : 43563-A-5 DF=1 LM=8260B BT=V051211A
Misc : TRIP BLK
MS Integration Params: rteint.p
Quant Time: May 13 10:42 2011

Vial: 10
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.77	96	4049230	50.00	ug/l	0.00
49) Chlorobenzene-d5	17.82	117	3208709	50.00	ug/l	0.00
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	11.06	65	1160079	55.34	ug/l	0.02
Spiked Amount 50.000	Range 86 - 117		Recovery = 110.68%			
54) Toluene-d8	14.96	98	3854853	55.98	ug/l	0.00
Spiked Amount 50.000	Range 93 - 107		Recovery = 111.96%#			
59) Bromofluorobenzene	20.21	95	2453436	51.06	ug/l	0.00
Spiked Amount 50.000	Range 89 - 105		Recovery = 102.12%			

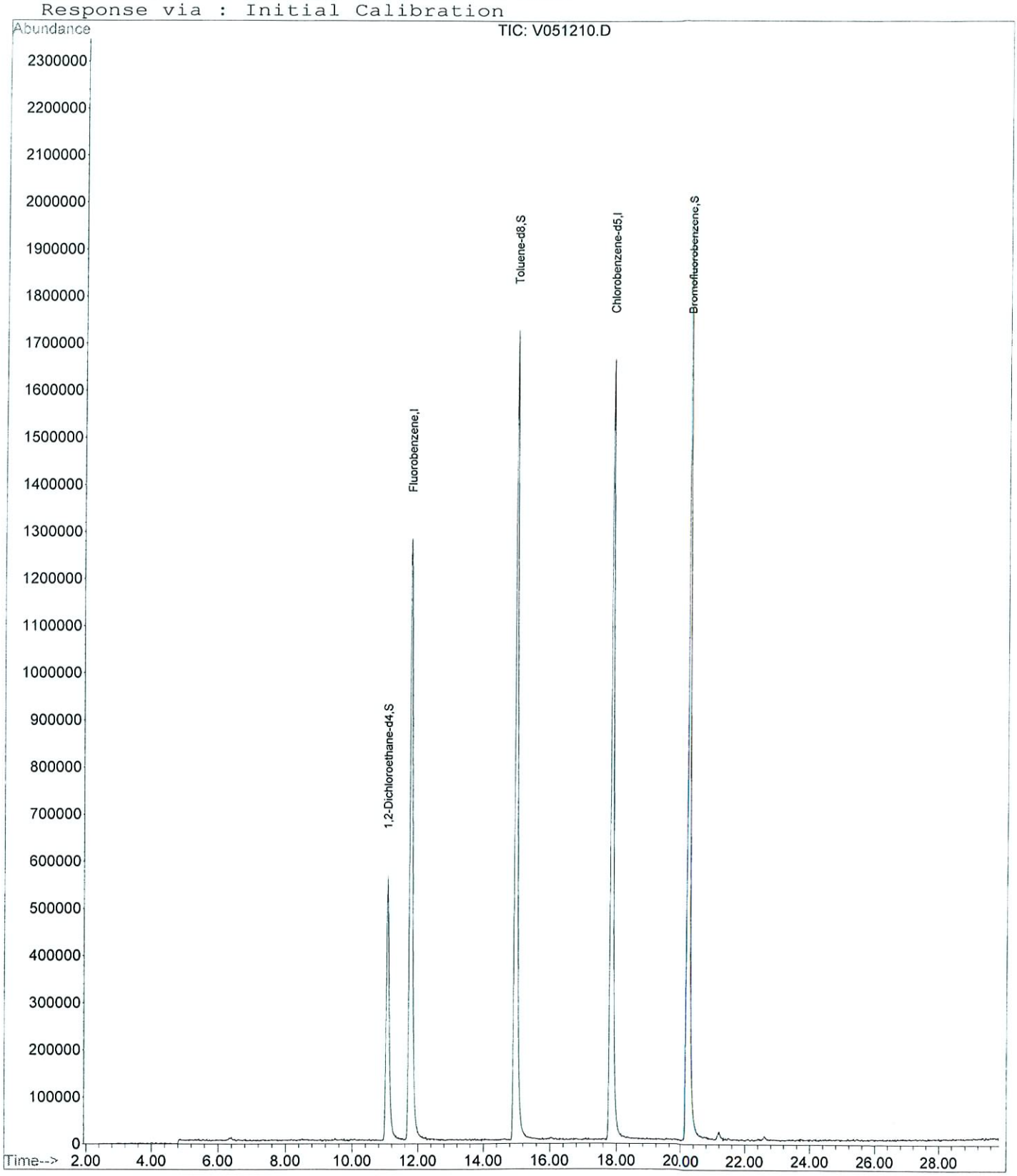
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : P:\MSD\051211.B\V051210.D Vial: 10
Acq On : 12 May 2011 3:24 pm Operator: EA
Sample : 43563-A-5 DF=1 LM=8260B BT=V051211A Inst : MSD
Misc : TRIP BLK Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 13 10:42 2011 Quant Results File: 82600414.RES

Method : P:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration



Volatile Data
Standards Data

Response Factor Report MSD

Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Jun 01 12:36:26 2011
Response via : Initial Calibration

Calibration Files
1 =V041402.D 10 =V041403.D 20 =V041404.D
50 =V041405.D 100 =V041406.D

		Compound	1	10	20	50	100	Avg	%RSD
1)	I	Fluorobenzene	ISTD						
2)	T	Dichlorodifluorometha	0.315	0.324	0.362	0.347	0.358	0.341	6.06
3)	T	Chloromethane	0.039	0.032	0.036	0.034	0.044	0.037	12.39
4)	T	Bromomethane	0.041	0.045	0.048	0.047	0.040	0.044	8.59
5)	T	Vinyl Chloride	0.205	0.178	0.195	0.178	0.190	0.189	6.16
6)	T	Chloroethane	0.127	0.114	0.117	0.110	0.107	0.115	6.92
7)	T	Trichlorofluoromethan	0.521	0.463	0.501	0.493	0.466	0.489	5.02
8)	t	Freon 123A	0.429	0.387	0.395	0.431	0.400	0.408	4.92
9)	T	FC-113	0.425	0.261	0.258	0.309	0.259	0.302	23.80
10)	T	Acetone	0.049	0.037	0.053	0.051	0.040	0.046	15.32
11)	T	Acrolein	0.004	0.020	0.003	0.005	0.015	0.010	79.82
12)	T	Iodomethane	0.660	0.725	0.694	0.677	0.689	0.689	3.51
13)	T	Carbon Disulfide	0.617	0.586	0.615	0.625	0.586	0.606	3.04
14)		Acetonitrile	0.314	0.322	0.338	0.327	0.323	0.325	2.62
15)	T	Methylene Chloride	0.273	0.254	0.263	0.249	0.246	0.257	4.23
16)	T	IPA	0.004	0.006	0.004	0.005	0.007	0.005	24.25
17)	T	TBA	0.007	0.008	0.009	0.009	0.010	0.009	12.59
18)	T	Acrylonitrile	0.033	0.041	0.044	0.044	0.048	0.042	13.17
19)	t	MTBE	0.611	0.551	0.561	0.536	0.458	0.543	10.18
20)	M	1,1-Dichloroethene	0.324	0.341	0.341	0.361	0.336	0.341	3.95
21)	T	1,1-Dichloroethane	0.479	0.464	0.467	0.464	0.468	0.468	1.35
22)	T	Vinyl Acetate	0.211	0.432	0.112	0.382	0.376	0.303	44.68
23)	T	2,2-Dichloropropane	0.468	0.370	0.366	0.402	0.353	0.392	11.81
24)	T	trans-1,2-Dichloroeth	0.378	0.355	0.367	0.373	0.363	0.367	2.42
25)	T	cis-1,2-Dichloroethen	0.431	0.413	0.415	0.415	0.405	0.416	2.30
26)	T	Tetrahydrofuran	0.074	0.046	0.051	0.053	0.052	0.055	19.51
27)	T	Chloroform	0.604	0.580	0.595	0.581	0.569	0.586	2.33
28)	T	1,1-Dichloropropene	0.438	0.408	0.405	0.413	0.398	0.412	3.65
29)	S	1,2-Dichloroethane-d4	0.262	0.244	0.260	0.262	0.266	0.259	3.23
30)	T	1,2-Dichloroethane	0.348	0.318	0.320	0.314	0.307	0.321	4.82
31)	T	2-Butanone	0.055	0.069	0.050	0.067	0.071	0.063	14.80
32)	T	Bromochloromethane	0.306	0.284	0.295	0.286	0.279	0.290	3.71
33)	T	1,1,1-Trichloroethane	0.531	0.499	0.496	0.520	0.496	0.508	3.15
34)	T	Carbon Tetrachloride	0.550	0.496	0.495	0.507	0.491	0.508	4.78
35)	T	Dibromomethane	0.388	0.366	0.365	0.358	0.352	0.366	3.83
36)	T	1,4-Dioxane	0.001	0.003	0.002	0.003	0.003	0.002	30.46
37)	T	Bromodichloromethane	0.547	0.566	0.590	0.573	0.567	0.569	2.71
38)	T	1,2-Dichloropropane	0.317	0.309	0.317	0.308	0.305	0.311	1.80
39)	T	2-Chloroethylvinyleth	0.143	0.157	0.162	0.159	0.160	0.156	4.81
40)	T	cis-1,3-Dichloroprope	0.427	0.463	0.473	0.462	0.465	0.458	3.87
41)	M	Trichloroethene	0.451	0.417	0.407	0.403	0.386	0.413	5.90
42)	M	Benzene	0.874	0.781	0.795	0.784	0.768	0.800	5.29
43)	T	1,3-Dichloropropane	0.487	0.467	0.464	0.443	0.424	0.457	5.27
44)	T	Dibromochloromethane	0.566	0.581	0.607	0.581	0.575	0.582	2.67
45)	T	trans-1,3-Dichloropro	0.348	0.400	0.424	0.407	0.414	0.399	7.41
46)	T	1,1,2-Trichloroethane	0.334	0.324	0.318	0.308	0.293	0.315	5.02
47)	T	1,2-Dibromoethane	0.472	0.500	0.501	0.489	0.479	0.488	2.65
48)	T	Bromoform	0.423	0.470	0.499	0.474	0.472	0.468	5.85
49)	I	Chlorobenzene-d5	ISTD						
50)	T	4-Methyl-2-Pentanone	0.077	0.109	0.090	0.111	0.113	0.100	15.82
51)	T	2-Hexanone	0.049	0.089	0.073	0.104	0.107	0.084	28.25
52)	T	Tetrachloroethene	0.880	0.845	0.812	0.789	0.707	0.807	8.10
53)	T	1,1,1,2-Tetrachloroet	0.530	0.552	0.567	0.546	0.535	0.546	2.67
54)	S	Toluene-d8	1.181	1.046	1.065	1.043	1.031	1.073	5.75

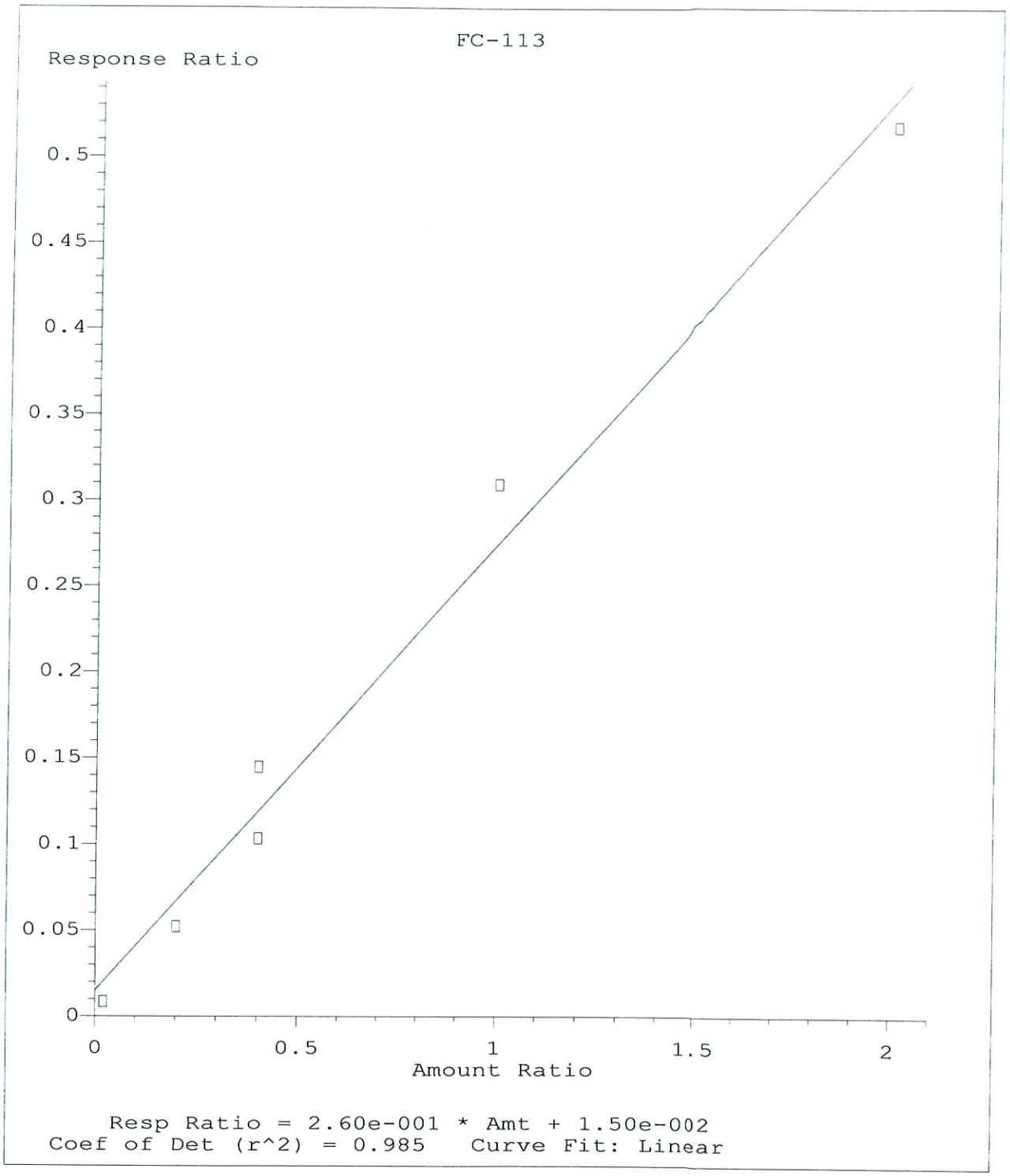
(#) = Out of Range

Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Jun 01 12:36:26 2011
Response via : Initial Calibration

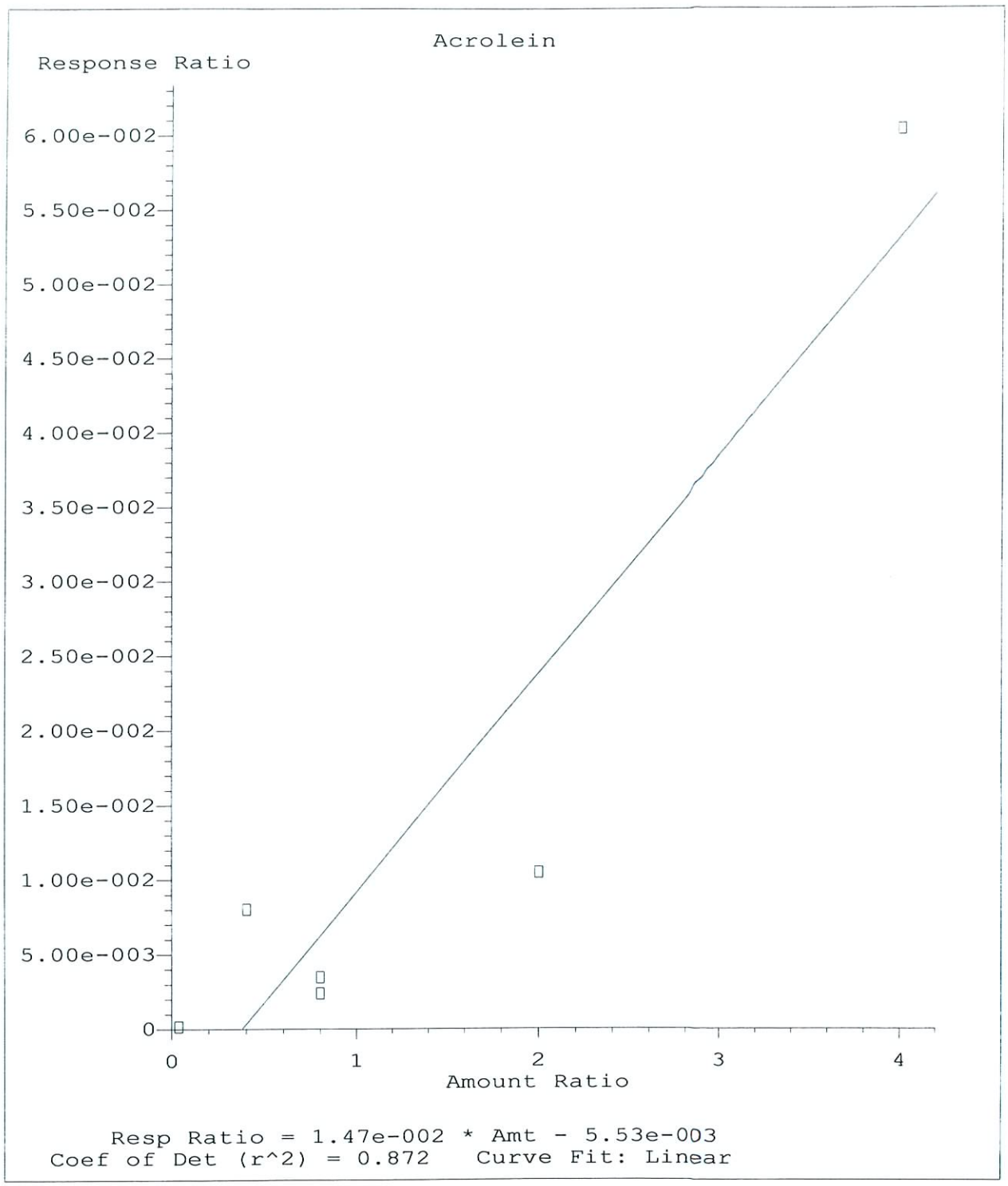
Calibration Files
1 =V041402.D 10 =V041403.D 20 =V041404.D
50 =V041405.D 100 =V041406.D

		Compound	1	10	20	50	100	Avg	%RSD
55)	M	Toluene	1.229	1.211	1.228	1.240	1.214	1.224	0.98
56)	M	Chlorobenzene	1.000	0.956	0.968	0.950	0.932	0.961	2.63
57)	T	1-Chlorohexane	0.163	0.165	0.166	0.174	0.173	0.168	2.90
58)	T	Ethylbenzene	1.491	1.495	1.482	1.476	1.423	1.473	1.97
59)	S	Bromofluorobenzene	0.875	0.724	0.749	0.701	0.695	0.749	9.83
60)	T	Styrene	0.896	0.950	0.976	0.944	0.923	0.938	3.21
61)	T	m,p-Xylene	1.187	1.190	1.241	1.200	1.183	1.200	1.97
62)	T	o-Xylene	1.301	1.277	1.301	1.273	1.241	1.279	1.94
63)	T	1,2,3-Trichloropropan	0.404	0.530	0.567	0.545	0.540	0.517	12.52
64)	T	Isopropylbenzene	1.790	1.675	1.721	1.728	1.702	1.723	2.47
65)	T	Bromobenzene	0.990	1.055	1.085	1.056	1.045	1.046	3.31
66)	T	trans-1,4-Dichloro-2-	0.051	0.045	0.058	0.063	0.070	0.057	17.21
67)	T	n-Propylbenzene	1.913	1.806	1.905	1.923	1.867	1.883	2.56
68)	T	1,1,2,2-Tetrachloroet	0.566	0.582	0.598	0.591	0.573	0.582	2.17
69)	T	2-Chlorotoluene	1.466	1.353	1.366	1.346	1.286	1.363	4.77
70)	T	4-Chlorotoluene	1.493	1.419	1.486	1.437	1.375	1.442	3.40
71)	T	1,3,5-Trimethylbenzen	1.467	1.387	1.410	1.397	1.343	1.401	3.20
72)	T	tert-Butylbenzene	1.799	1.723	1.758	1.767	1.716	1.753	1.92
73)	T	1,2,4-Trimethylbenzen	1.375	1.384	1.416	1.377	1.308	1.372	2.87
74)	T	sec-Butylbenzene	1.994	1.921	2.001	2.028	1.979	1.985	2.01
75)	T	1,3-Dichlorobenzene	0.938	0.946	0.942	0.931	0.903	0.932	1.81
76)	T	4-Isopropyltoluene	1.583	1.566	1.637	1.638	1.552	1.595	2.54
77)	T	1,4-Dichlorobenzene	1.012	0.953	1.001	0.992	0.919	0.975	3.99
78)	T	1,2-Dichlorobenzene	0.904	0.890	0.913	0.896	0.853	0.891	2.60
79)	t	Benzyl chloride	0.464	0.611	0.676	0.710	0.737	0.640	17.02
80)	T	n-Butylbenzene	1.314	1.339	1.419	1.516	1.472	1.412	6.07
81)	T	1,2-Dibromo-3-chlorop	0.113	0.108	0.129	0.132	0.137	0.124	10.10
82)	T	Hexachlorobutadiene	0.552	0.553	0.574	0.612	0.594	0.577	4.54
83)	T	1,2,4-Trichlorobenzen	0.459	0.701	0.737	0.772	0.783	0.690	19.28
84)	T	Naphthalene	0.401	0.752	0.871	0.954	1.028	0.801	30.73
85)	T	1,2,3-Trichlorobenzen	0.404	0.586	0.623	0.635	0.663	0.582	17.80

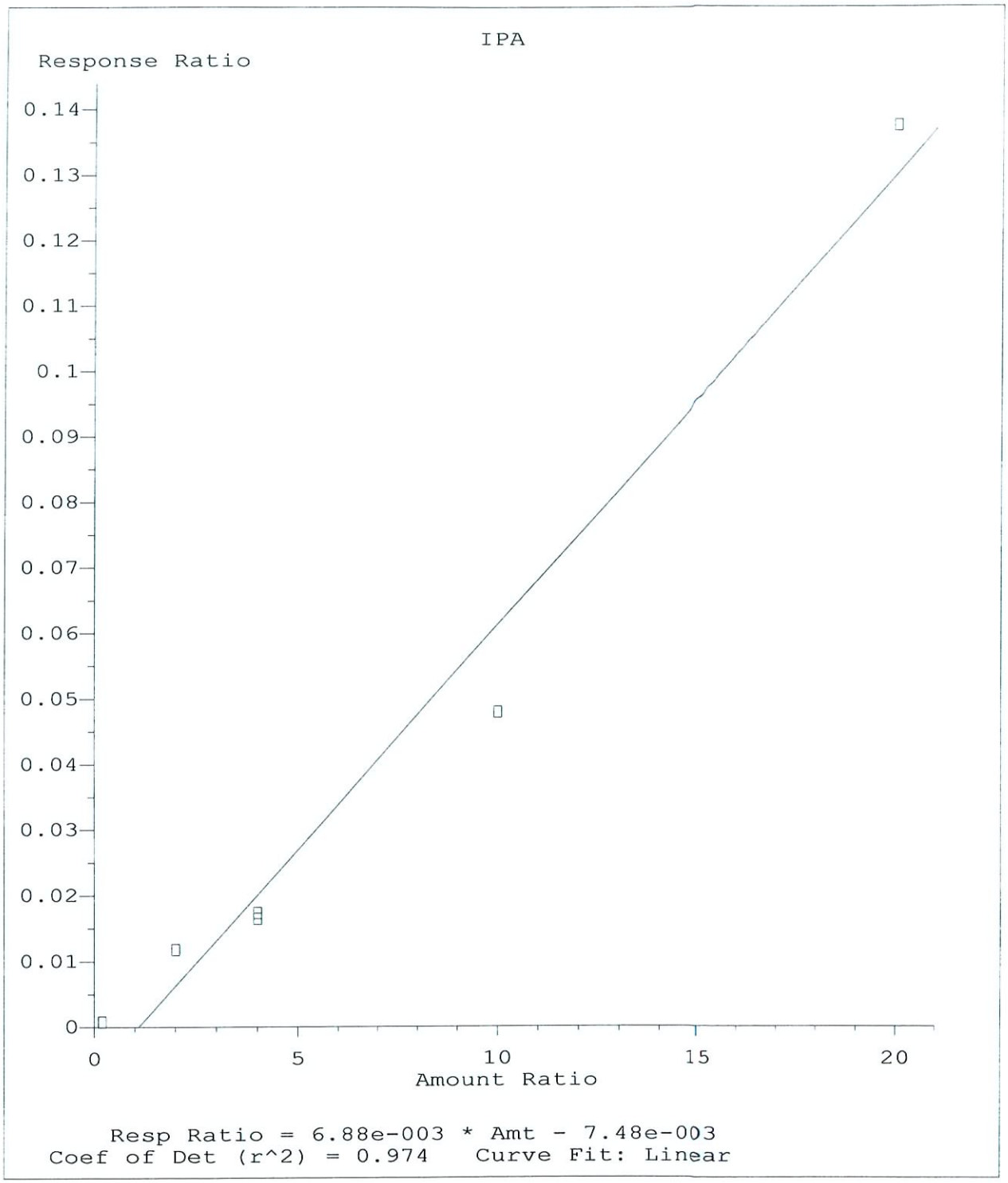
(#) = Out of Range



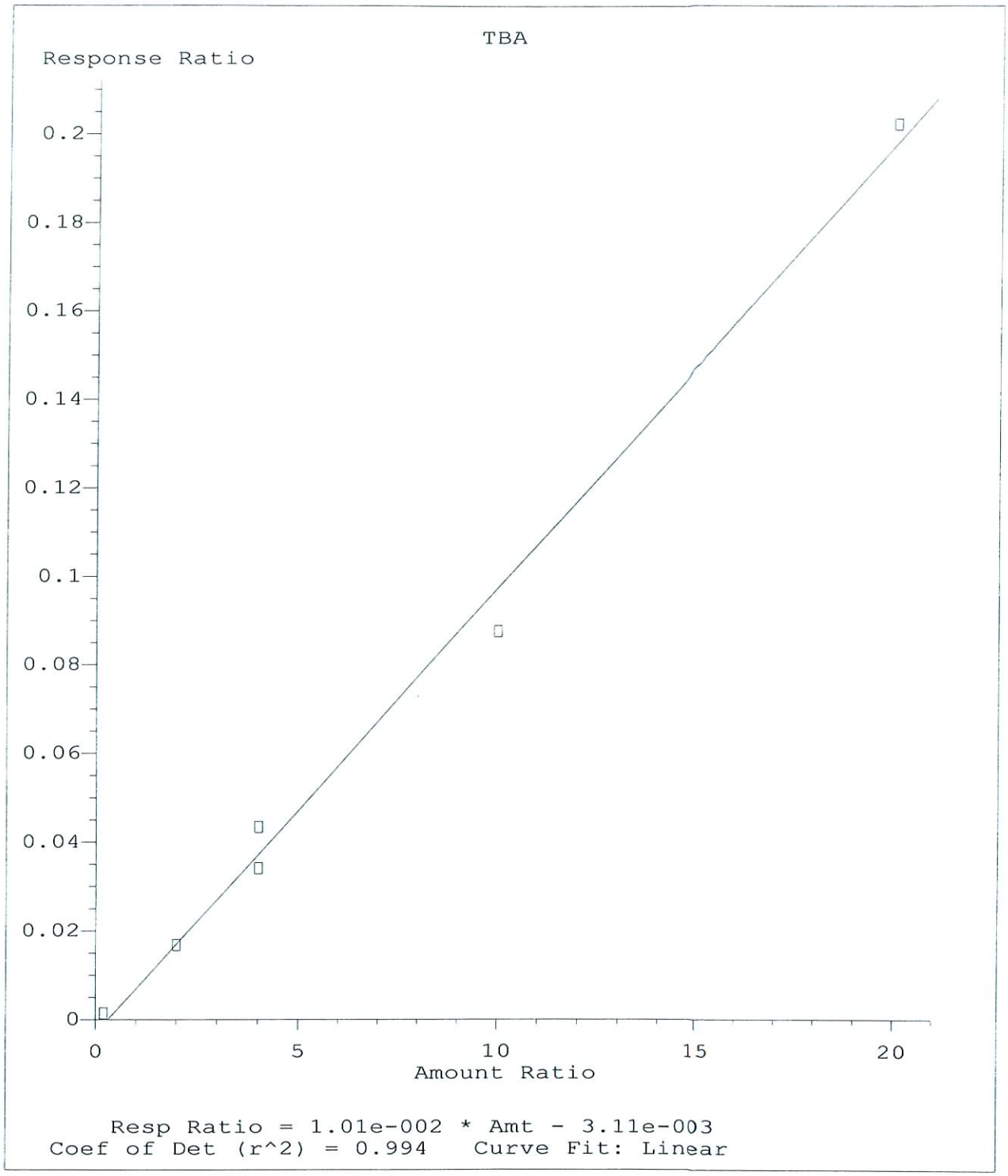
Method Name: X:\MSD\METHODS\82600414.M
Calibration Table Last Updated: Wed Jun 01 12:36:26 2011



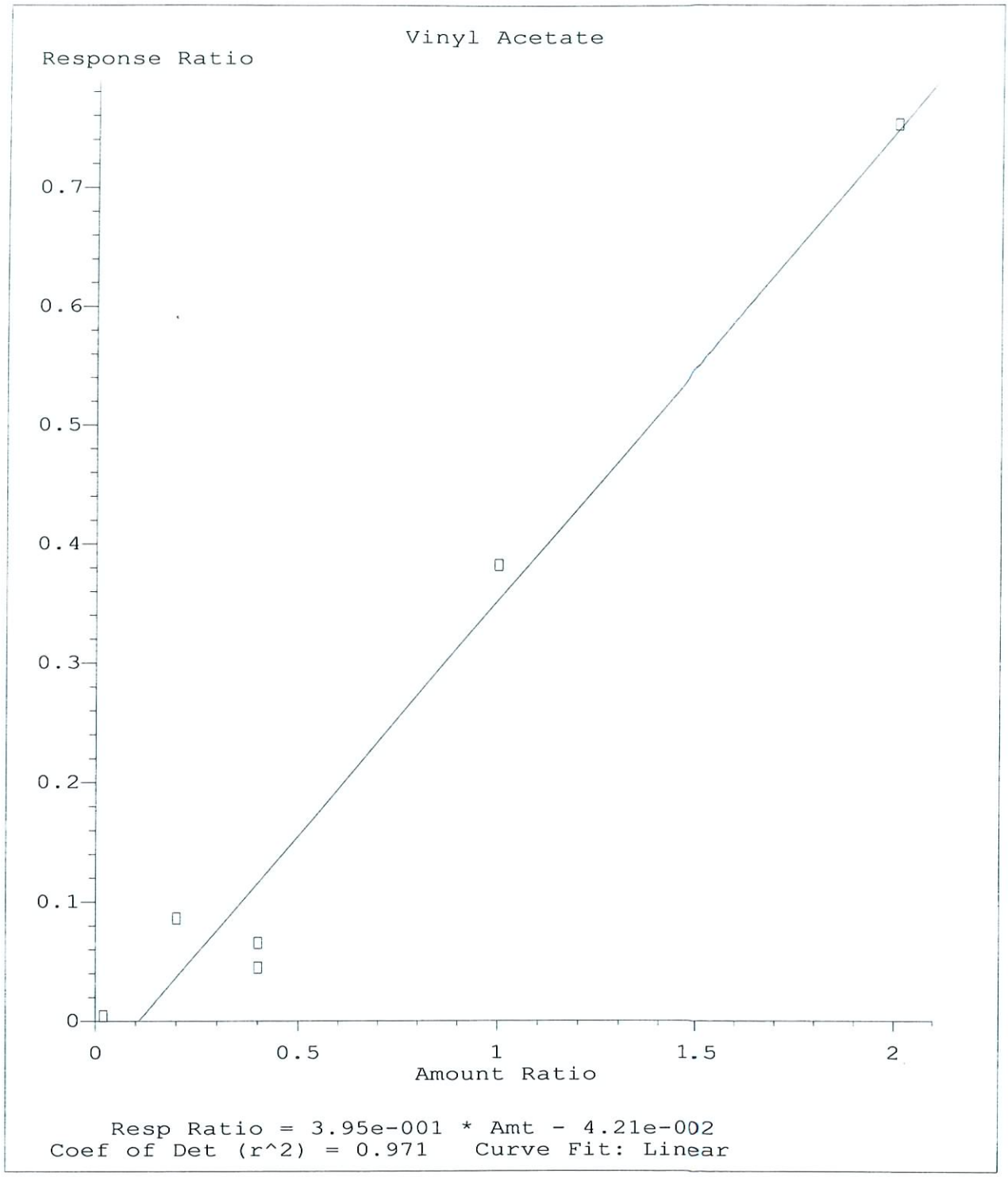
Method Name: X:\MSD\METHODS\82600414.M
Calibration Table Last Updated: Wed Jun 01 12:36:26 2011



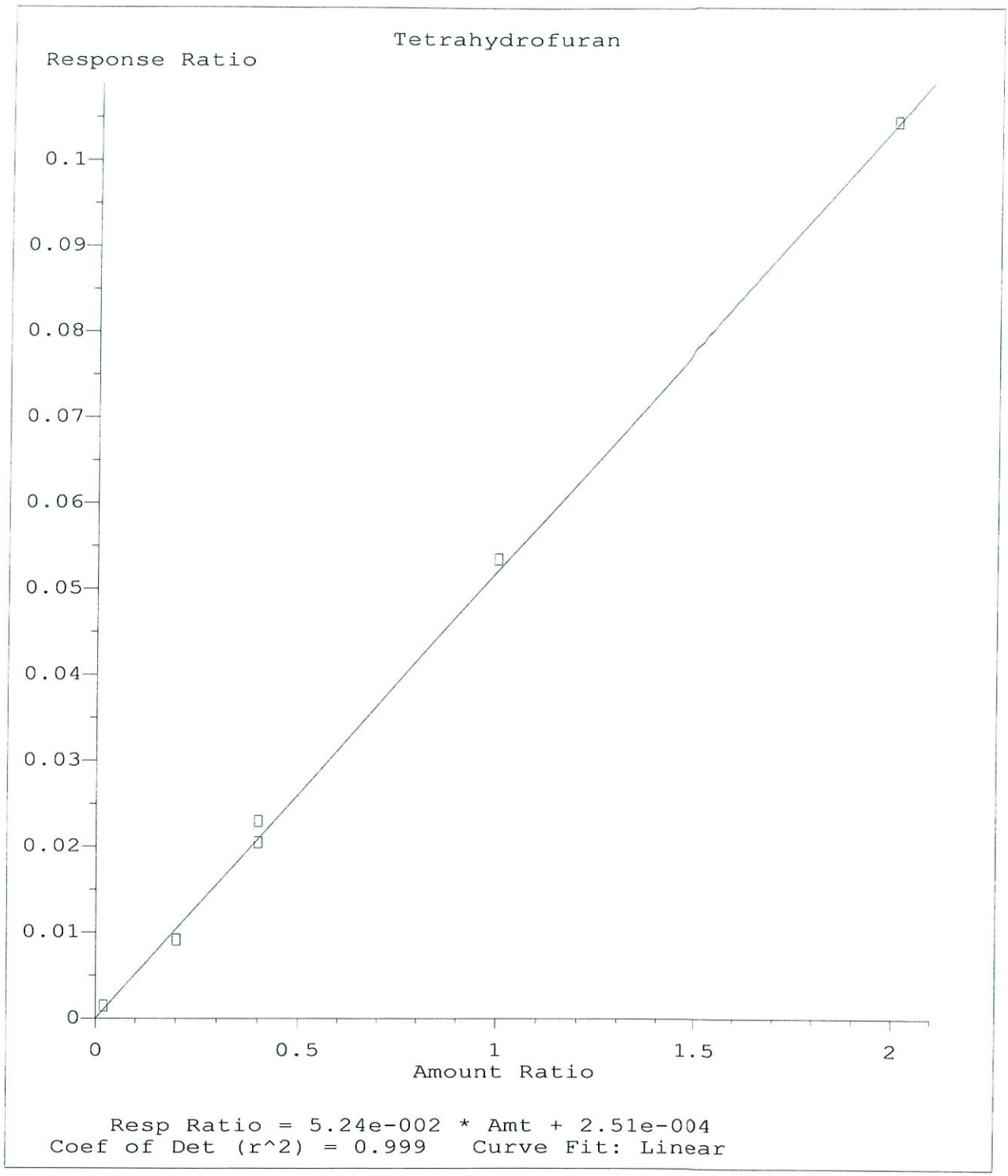
Method Name: X:\MSD\METHODS\82600414.M
Calibration Table Last Updated: Wed Jun 01 12:36:26 2011



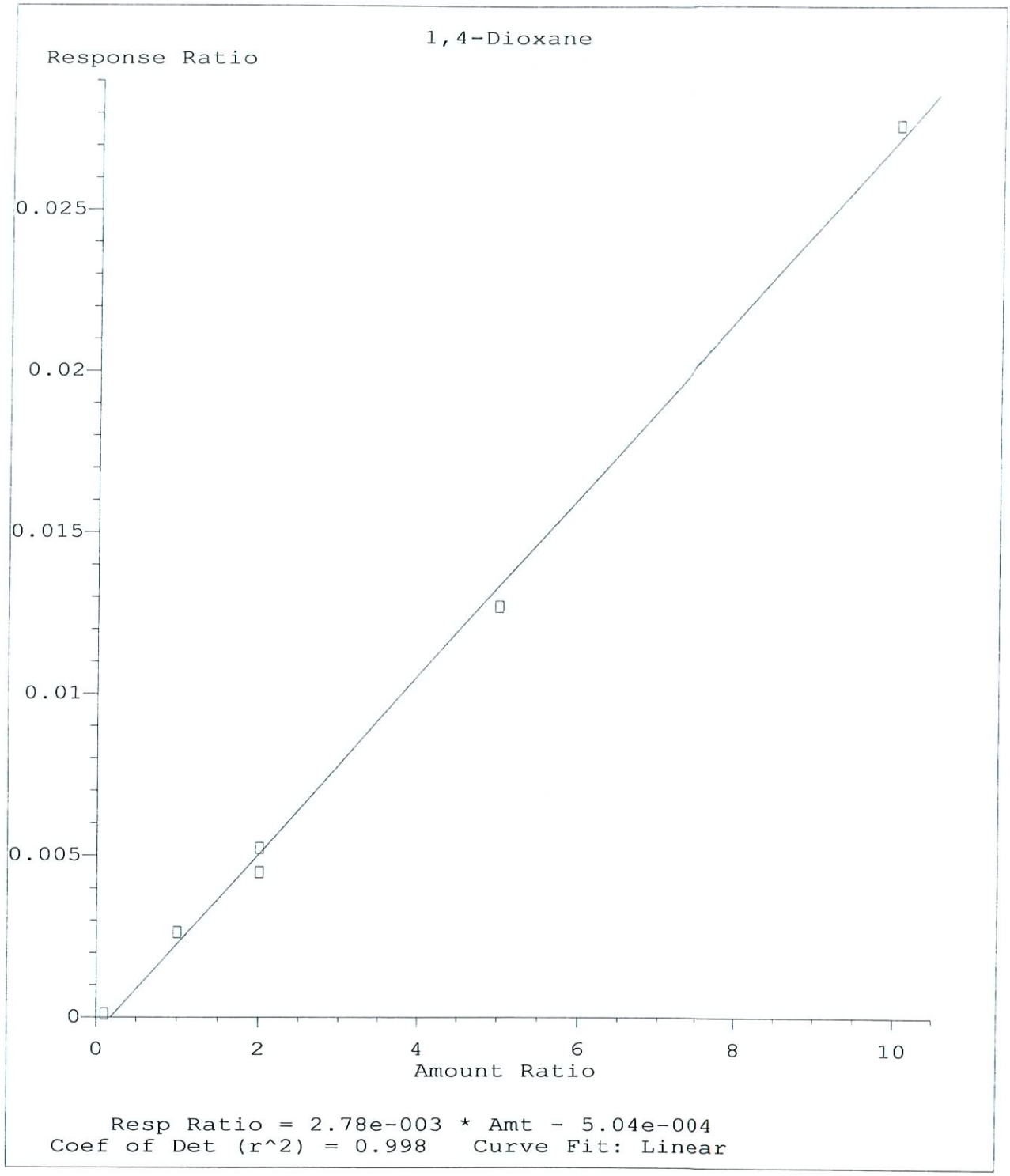
Method Name: X:\MSD\METHODS\82600414.M
Calibration Table Last Updated: Wed Jun 01 12:36:26 2011



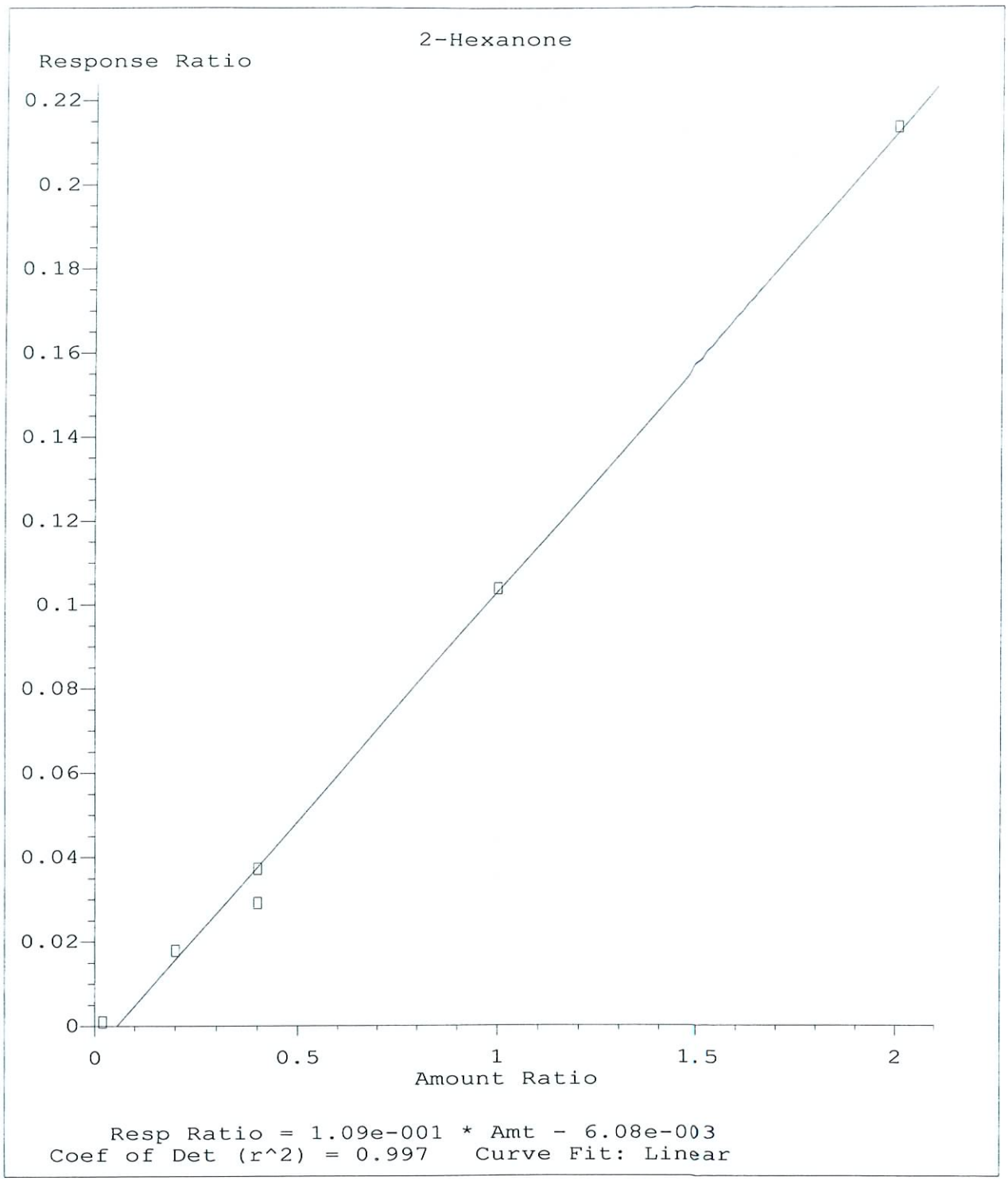
Method Name: X:\MSD\METHODS\82600414.M
Calibration Table Last Updated: Wed Jun 01 12:36:26 2011



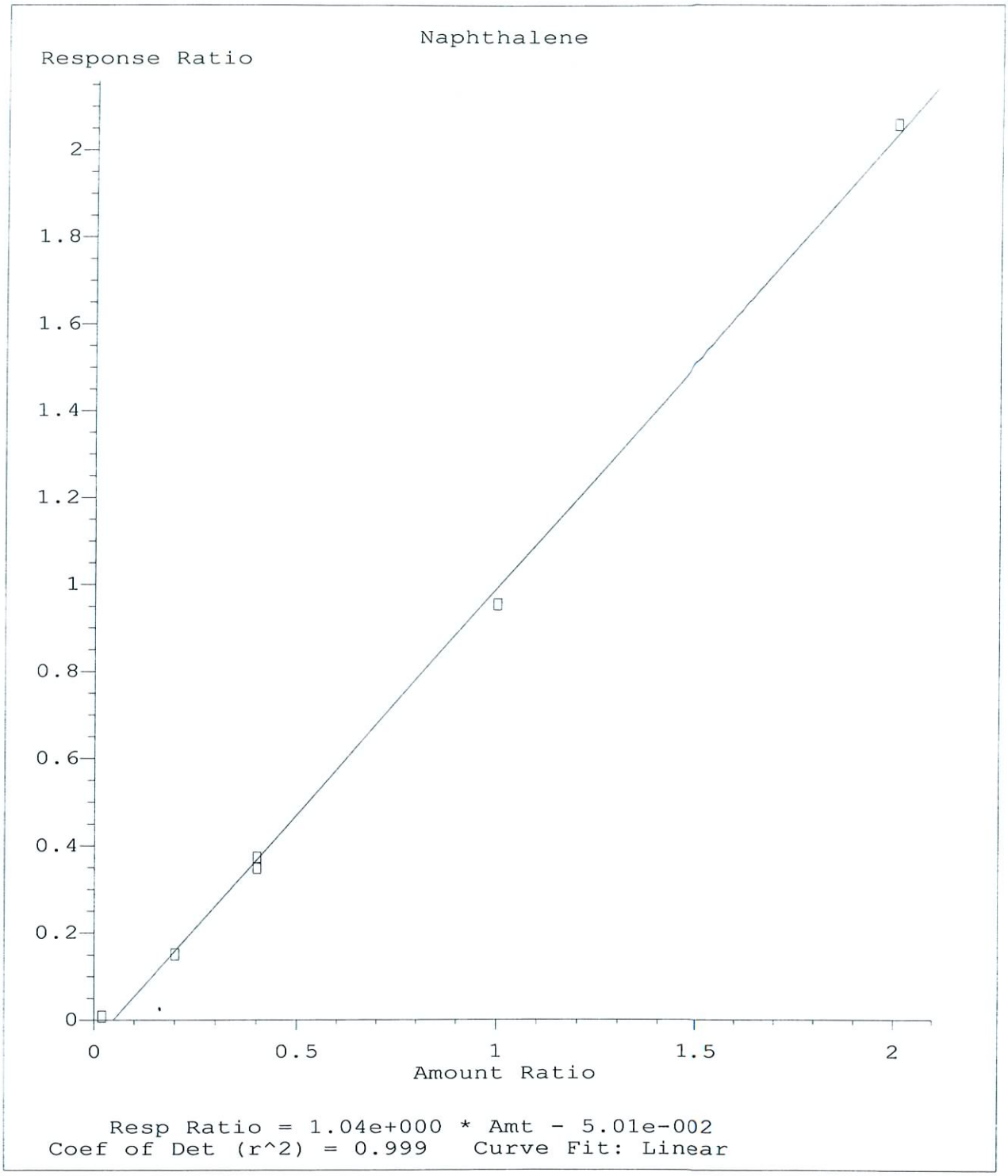
Method Name: X:\MSD\METHODS\82600414.M
Calibration Table Last Updated: Wed Jun 01 12:36:26 2011



Method Name: X:\MSD\METHODS\82600414.M
Calibration Table Last Updated: Wed Jun 01 12:36:26 2011



Method Name: X:\MSD\METHODS\82600414.M
Calibration Table Last Updated: Wed Jun 01 12:36:26 2011



Method Name: X:\MSD\METHODS\82600414.M
Calibration Table Last Updated: Wed Jun 01 12:36:26 2011

Quantitation Report (QT Reviewed)

Data File : X:\MSD\041411.B\V041402.D
Acq On : 14 Apr 2011 11:48 am
Sample : VSTD001
Misc : VSTD001 MW041211
MS Integration Params: rteint.p
Quant Time: Apr 14 12:29 2011

Vial: 2
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Mar 16 15:12:09 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

EA 6/1/11

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	11.76	96	4144475	50.00	ug/l		0.06
49) Chlorobenzene-d5	17.81	117	3413864	50.00	ug/l		0.05
System Monitoring Compounds							
29) 1,2-Dichloroethane-d4	11.07	65	21701	0.82	ug/l		0.07
Spiked Amount 50.000	Range 86 - 117		Recovery =	1.64%#			
54) Toluene-d8	14.96	98	80652	0.96	ug/l		0.07
Spiked Amount 50.000	Range 93 - 107		Recovery =	1.92%#			
59) Bromofluorobenzene	20.20	95	59724	1.02	ug/l		0.04
Spiked Amount 50.000	Range 89 - 105		Recovery =	2.04%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.58	85	26123	0.83	ug/l		89
3) Chloromethane	2.89	50	3212m	0.73	ug/l		
4) Bromomethane	3.58	94	3358m	0.96	ug/l		
5) Vinyl Chloride	3.06	62	17009m	1.09	ug/l		
6) Chloroethane	3.76	64	10555m	1.03	ug/l		
7) Trichlorofluoromethane	4.23	101	43159m	0.96	ug/l		
8) Freon 123A	4.84	67	35537m	0.90	ug/l		
9) FC-113	5.27	101	35253m	1.34	ug/l		
10) Acetone	5.38	43	4036m	Below Cal			
11) Acrolein	5.04	56	702m	19.83	ug/l		
12) Iodomethane	5.50	142	54692	0.80	ug/l		99
13) Carbon Disulfide	5.67	76	51180	0.92	ug/l		100
14) Acetonitrile	6.05	41	26065m	0.87	ug/l		
15) Methylene Chloride	6.35	84	22592m	0.97	ug/l		
16) IPA	5.85	45	3266m	6.53	ug/l		
17) TBA	6.85	59	5866m	3.37	ug/l		
18) Acrylonitrile	6.99	53	2755m	0.73	ug/l		
19) MTBE	7.07	73	50647m	1.04	ug/l		
20) 1,1-Dichloroethene	5.24	61	26875	0.86	ug/l		78
21) 1,1-Dichloroethane	8.01	63	39715m	0.95	ug/l		
22) Vinyl Acetate	8.24	43	17470m	4.42	ug/l		
23) 2,2-Dichloropropane	9.28	77	38811m	1.11	ug/l		
24) trans-1,2-Dichloroethylene	7.02	61	31315m	0.95	ug/l		
25) cis-1,2-Dichloroethene	9.31	61	35719	0.94	ug/l		85
26) Tetrahydrofuran	10.02	42	6121m	Below Cal			
27) Chloroform	10.05	83	50024	0.94	ug/l		89
28) 1,1-Dichloropropene	10.75	75	36275m	1.00	ug/l		
30) 1,2-Dichloroethane	11.22	62	28816m	1.00	ug/l		
31) 2-Butanone	9.51	43	4570m	0.85	ug/l		
32) Bromochloromethane	9.84	130	25338m	0.97	ug/l		
33) 1,1,1-Trichloroethane	10.38	97	43988	0.94	ug/l		92
34) Carbon Tetrachloride	10.70	117	45574	0.99	ug/l		93
35) Dibromomethane	13.22	174	32201m	0.98	ug/l		
36) 1,4-Dioxane	13.35	88	445m	3.15	ug/l		
37) Bromodichloromethane	13.53	83	45359	0.86	ug/l		90
38) 1,2-Dichloropropane	12.95	63	26303	0.97	ug/l		77
39) 2-Chloroethylvinylether	14.18	63	11857m	0.82	ug/l		
40) cis-1,3-Dichloropropene	14.43	75	35412	0.86	ug/l		81
41) Trichloroethene	12.52	95	37417	0.98	ug/l	#	81
42) Benzene	11.17	78	72437m	1.02	ug/l		
43) 1,3-Dichloropropane	16.22	76	40331	0.98	ug/l		91
44) Dibromochloromethane	16.67	129	46880	0.87	ug/l		99

(#) = qualifier out of range (m) = manual integration

Data File : X:\MSD\041411.B\V041402.D
Acq On : 14 Apr 2011 11:48 am
Sample : VSTD001
Misc : VSTD001 MW041211
MS Integration Params: rteint.p
Quant Time: Apr 14 12:29 2011

Vial: 2
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Mar 16 15:12:09 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	trans-1,3-Dichloropropene	15.58	75	28879m	0.79	ug/l		
46)	1,1,2-Trichloroethane	15.91	97	27715	0.98	ug/l		84
47)	1,2-Dibromoethane	16.89	107	39101	0.87	ug/l		99
48)	Bromoform	19.54	173	35084	0.80	ug/l		93
50)	4-Methyl-2-Pentanone	14.77	58	5252m	0.79	ug/l		
51)	2-Hexanone	16.48	58	3359m	3.91	ug/l		
52)	Tetrachloroethene	16.16	166	60109	1.17	ug/l		88
53)	1,1,1,2-Tetrachloroethane	18.06	131	36202	0.93	ug/l	#	85
55)	Toluene	15.10	91	83909	0.98	ug/l		92
56)	Chlorobenzene	17.88	112	68290	1.02	ug/l		96
57)	1-Chlorohexane	17.84	93	11132m	0.89	ug/l		
58)	Ethylbenzene	18.11	91	101796	0.98	ug/l		87
60)	Styrene	19.17	104	61181	0.93	ug/l		88
61)	m,p-Xylene	18.35	91	162082	1.89	ug/l		100
62)	o-Xylene	19.14	91	88859	1.00	ug/l		78
63)	1,2,3-Trichloropropane	20.61	75	27586	0.69	ug/l		86
64)	Isopropylbenzene	19.91	105	122211	1.02	ug/l		95
65)	Bromobenzene	20.50	77	67610	0.88	ug/l		96
66)	trans-1,4-Dichloro-2-Buten	20.68	89	3463m	0.81	ug/l		
67)	n-Propylbenzene	20.74	91	130648	0.99	ug/l		98
68)	1,1,2,2-Tetrachloroethane	20.53	83	38678	0.90	ug/l		92
69)	2-Chlorotoluene	20.90	91	100091	1.07	ug/l		94
70)	4-Chlorotoluene	21.13	91	101965	1.03	ug/l		98
71)	1,3,5-Trimethylbenzene	21.12	105	100159	1.02	ug/l		97
72)	tert-Butylbenzene	21.78	119	122826	0.99	ug/l		99
73)	1,2,4-Trimethylbenzene	21.88	105	93865	0.97	ug/l		98
74)	sec-Butylbenzene	22.24	105	136141	0.99	ug/l		93
75)	1,3-Dichlorobenzene	22.44	146	64064	0.99	ug/l		85
76)	4-Isopropyltoluene	22.54	119	108089	0.96	ug/l		95
77)	1,4-Dichlorobenzene	22.64	146	69110m	1.00	ug/l		
78)	1,2-Dichlorobenzene	23.39	146	61732	0.98	ug/l		90
79)	Benzyl chloride	22.91	91	31657	0.63	ug/l		89
80)	n-Butylbenzene	23.40	91	89700	0.90	ug/l		86
81)	1,2-Dibromo-3-chloropropan	25.00	75	7738m	0.78	ug/l		
82)	Hexachlorobutadiene	27.12	225	37692	0.90	ug/l		93
83)	1,2,4-Trichlorobenzene	26.75	180	31355	0.63	ug/l		94
84)	Naphthalene	27.25	128	27367	0.42	ug/l		78
85)	1,2,3-Trichlorobenzene	27.74	180	27551	0.65	ug/l		99

BL

(#) = qualifier out of range (m) = manual integration

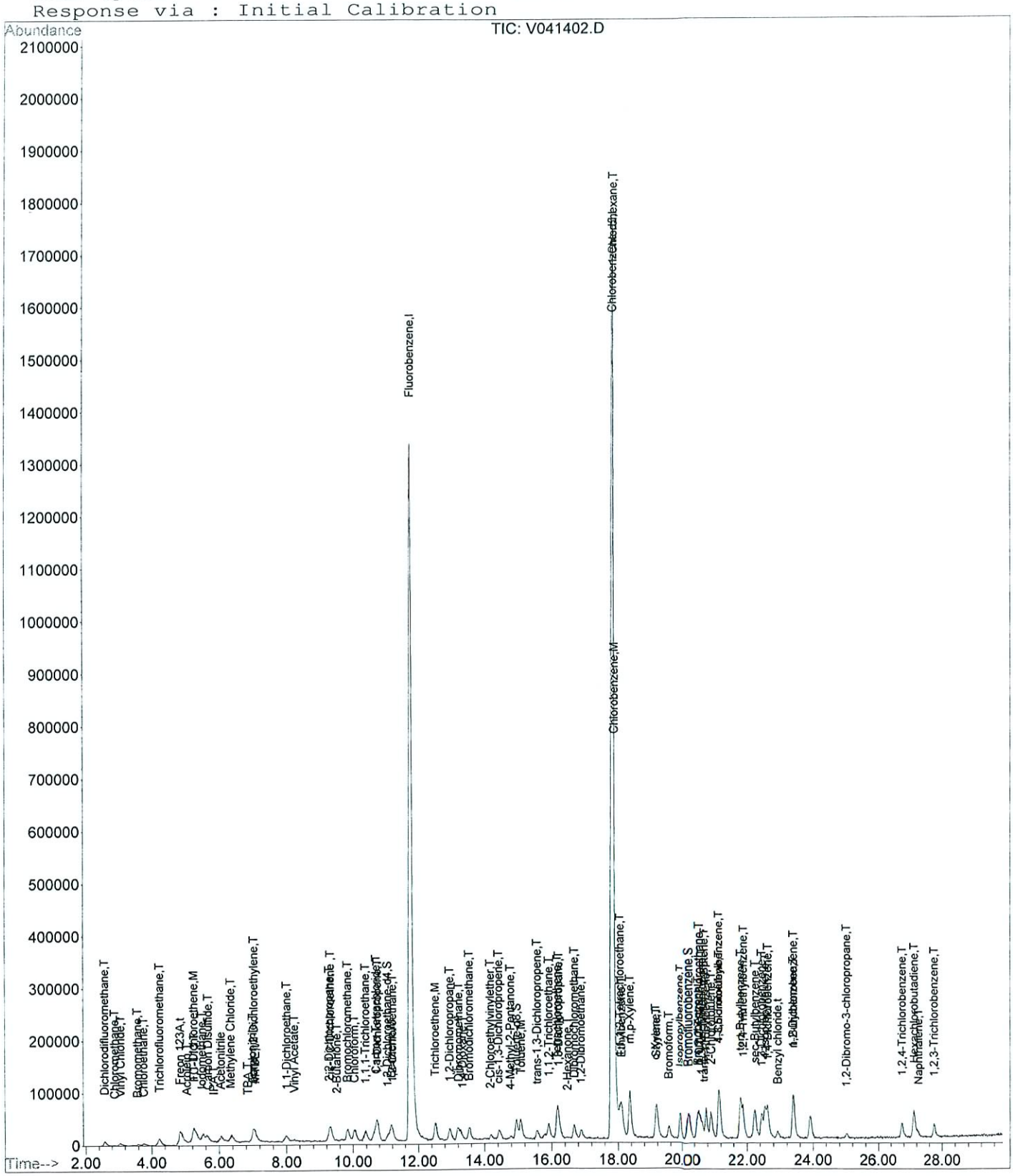
Quantitation Report

Data File : X:\MSD\041411.B\V041402.D
Acq On : 14 Apr 2011 11:48 am
Sample : VSTD001
Misc : VSTD001 MW041211
MS Integration Params: rteint.p
Quant Time: Apr 14 12:29 2011

Vial: 2
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Jun 01 12:36:26 2011
Response via : Initial Calibration



Data File : X:\MSD\041411.B\V041403.D
Acq On : 14 Apr 2011 12:24 pm
Sample : VSTD010
Misc : VSTD010 MW041211
MS Integration Params: rteint.p
Quant Time: Apr 14 13:15 2011

Vial: 3
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Mar 16 15:12:09 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

6/1/11

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	11.75	96	4243230	50.00	ug/l		0.05
49) Chlorobenzene-d5	17.82	117	3469840	50.00	ug/l		0.06
System Monitoring Compounds							
29) 1,2-Dichloroethane-d4	11.04	65	207379	7.62	ug/l		0.04
Spiked Amount 50.000	Range 86 - 117		Recovery =	15.24%#			
54) Toluene-d8	14.94	98	725626	8.48	ug/l		0.04
Spiked Amount 50.000	Range 93 - 107		Recovery =	16.96%#			
59) Bromofluorobenzene	20.20	95	502350	8.44	ug/l		0.04
Spiked Amount 50.000	Range 89 - 105		Recovery =	16.88%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.57	85	275154	8.49	ug/l		100
3) Chloromethane	2.91	50	27527	6.08	ug/l		73
4) Bromomethane	3.59	94	38159m	10.66	ug/l		
5) Vinyl Chloride	3.03	62	151119	9.44	ug/l		99
6) Chloroethane	3.75	64	96568	9.25	ug/l		91
7) Trichlorofluoromethane	4.22	101	392634	8.56	ug/l		89
8) Freon 123A	4.84	67	328734	8.14	ug/l		96
9) FC-113	5.28	101	221297	8.23	ug/l		89
10) Acetone	5.39	43	31329m	4.20	ug/l		
11) Acrolein	5.05	56	33994m	39.76	ug/l		
12) Iodomethane	5.52	142	615636	8.75	ug/l		100
13) Carbon Disulfide	5.65	76	497510	8.72	ug/l		100
14) Acetonitrile	6.04	41	273224	8.86	ug/l	#	93
15) Methylene Chloride	6.37	84	215475	9.01	ug/l		94
16) IPA	5.80	45	49831m	97.32	ug/l		
17) TBA	6.77	59	71378m	84.30	ug/l		
18) Acrylonitrile	6.96	53	34482m	8.96	ug/l		
19) MTBE	7.04	73	467298	9.40	ug/l		95
20) 1,1-Dichloroethene	5.23	61	289371	9.07	ug/l		97
21) 1,1-Dichloroethane	7.97	63	393742	9.16	ug/l		90
22) Vinyl Acetate	8.20	43	366262	14.39	ug/l		81
23) 2,2-Dichloropropane	9.29	77	314382	8.79	ug/l		91
24) trans-1,2-Dichloroethylene	7.00	61	301458	8.93	ug/l		94
25) cis-1,2-Dichloroethene	9.30	61	350124	9.02	ug/l		99
26) Tetrahydrofuran	9.94	42	38822m	6.65	ug/l		
27) Chloroform	10.04	83	491906	9.04	ug/l		97
28) 1,1-Dichloropropene	10.74	75	346044	9.31	ug/l		100
30) 1,2-Dichloroethane	11.20	62	269534	9.15	ug/l		96
31) 2-Butanone	9.41	43	58556	10.59	ug/l		81
32) Bromochloromethane	9.83	130	240663	9.02	ug/l		96
33) 1,1,1-Trichloroethane	10.38	97	423265	8.82	ug/l		98
34) Carbon Tetrachloride	10.72	117	421080	8.94	ug/l		89
35) Dibromomethane	13.19	174	310820	9.22	ug/l		97
36) 1,4-Dioxane	13.29	88	11167m	50.62	ug/l		
37) Bromodichloromethane	13.54	83	480420	8.90	ug/l		96
38) 1,2-Dichloropropane	12.95	63	262286	9.41	ug/l		98
39) 2-Chloroethylvinylether	14.18	63	132867	8.98	ug/l		92
40) cis-1,3-Dichloropropene	14.43	75	393047	9.36	ug/l		97
41) Trichloroethene	12.50	95	353746	9.02	ug/l		92
42) Benzene	11.15	78	662563	9.15	ug/l		100
43) 1,3-Dichloropropane	16.23	76	396713	9.46	ug/l		97
44) Dibromochloromethane	16.68	129	493181	8.95	ug/l		94

(#) = qualifier out of range (m) = manual integration

Data File : X:\MSD\041411.B\V041403.D
Acq On : 14 Apr 2011 12:24 pm
Sample : VSTD010
Misc : VSTD010 MW041211
MS Integration Params: rteint.p
Quant Time: Apr 14 13:15 2011

Vial: 3
Operator: EA
Inst : MSD
Multiplr: 1.00
Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Mar 16 15:12:09 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
45)	trans-1,3-Dichloropropene	15.55	75	339658	9.13	ug/l	83
46)	1,1,2-Trichloroethane	15.91	97	275091	9.47	ug/l	99
47)	1,2-Dibromoethane	16.87	107	424482	9.19	ug/l	89
48)	Bromoform	19.55	173	399133	8.91	ug/l	96
50)	4-Methyl-2-Pentanone	14.78	58	75720	11.24	ug/l	91
51)	2-Hexanone	16.45	58	62042	11.48	ug/l	92
52)	Tetrachloroethene	16.16	166	586101	11.22	ug/l	97
53)	1,1,1,2-Tetrachloroethane	18.06	131	383110	9.71	ug/l	95
55)	Toluene	15.08	91	840139	9.69	ug/l	99
56)	Chlorobenzene	17.87	112	663412	9.77	ug/l	91
57)	1-Chlorohexane	17.87	93	114689	9.07	ug/l	96
58)	Ethylbenzene	18.11	91	1037558	9.84	ug/l	94
60)	Styrene	19.17	104	659233	9.89	ug/l	98
61)	m,p-Xylene	18.35	91	1651077	18.93	ug/l	98
62)	o-Xylene	19.15	91	886007	9.77	ug/l	100
63)	1,2,3-Trichloropropane	20.61	75	367738	9.10	ug/l	97
64)	Isopropylbenzene	19.90	105	1162526	9.53	ug/l	100
65)	Bromobenzene	20.49	77	731804	9.40	ug/l	93
66)	trans-1,4-Dichloro-2-Buten	20.65	89	31226	7.21	ug/l	100
67)	n-Propylbenzene	20.75	91	1253031	9.36	ug/l	97
68)	1,1,2,2-Tetrachloroethane	20.53	83	403754	9.22	ug/l	96
69)	2-Chlorotoluene	20.90	91	938918	9.91	ug/l	94
70)	4-Chlorotoluene	21.13	91	984502	9.78	ug/l	97
71)	1,3,5-Trimethylbenzene	21.12	105	962554	9.64	ug/l	95
72)	tert-Butylbenzene	21.78	119	1196042	9.53	ug/l	96
73)	1,2,4-Trimethylbenzene	21.89	105	960328	9.78	ug/l	98
74)	sec-Butylbenzene	22.23	105	1332994	9.57	ug/l	99
75)	1,3-Dichlorobenzene	22.44	146	656394	9.95	ug/l	97
76)	4-Isopropyltoluene	22.54	119	1086502	9.50	ug/l	99
77)	1,4-Dichlorobenzene	22.62	146	661203	9.37	ug/l	95
78)	1,2-Dichlorobenzene	23.39	146	617485	9.64	ug/l	91
79)	Benzyl chloride	22.92	91	424337	8.25	ug/l	98
80)	n-Butylbenzene	23.40	91	929336	9.18	ug/l	99
81)	1,2-Dibromo-3-chloropropan	25.00	75	74886	7.44	ug/l	92
82)	Hexachlorobutadiene	27.13	225	383572	9.00	ug/l	94
83)	1,2,4-Trichlorobenzene	26.73	180	486460	9.65	ug/l	93
84)	Naphthalene	27.23	128	522047	7.97	ug/l	97
85)	1,2,3-Trichlorobenzene	27.75	180	406602	9.38	ug/l	96

(#) = qualifier out of range (m) = manual integration

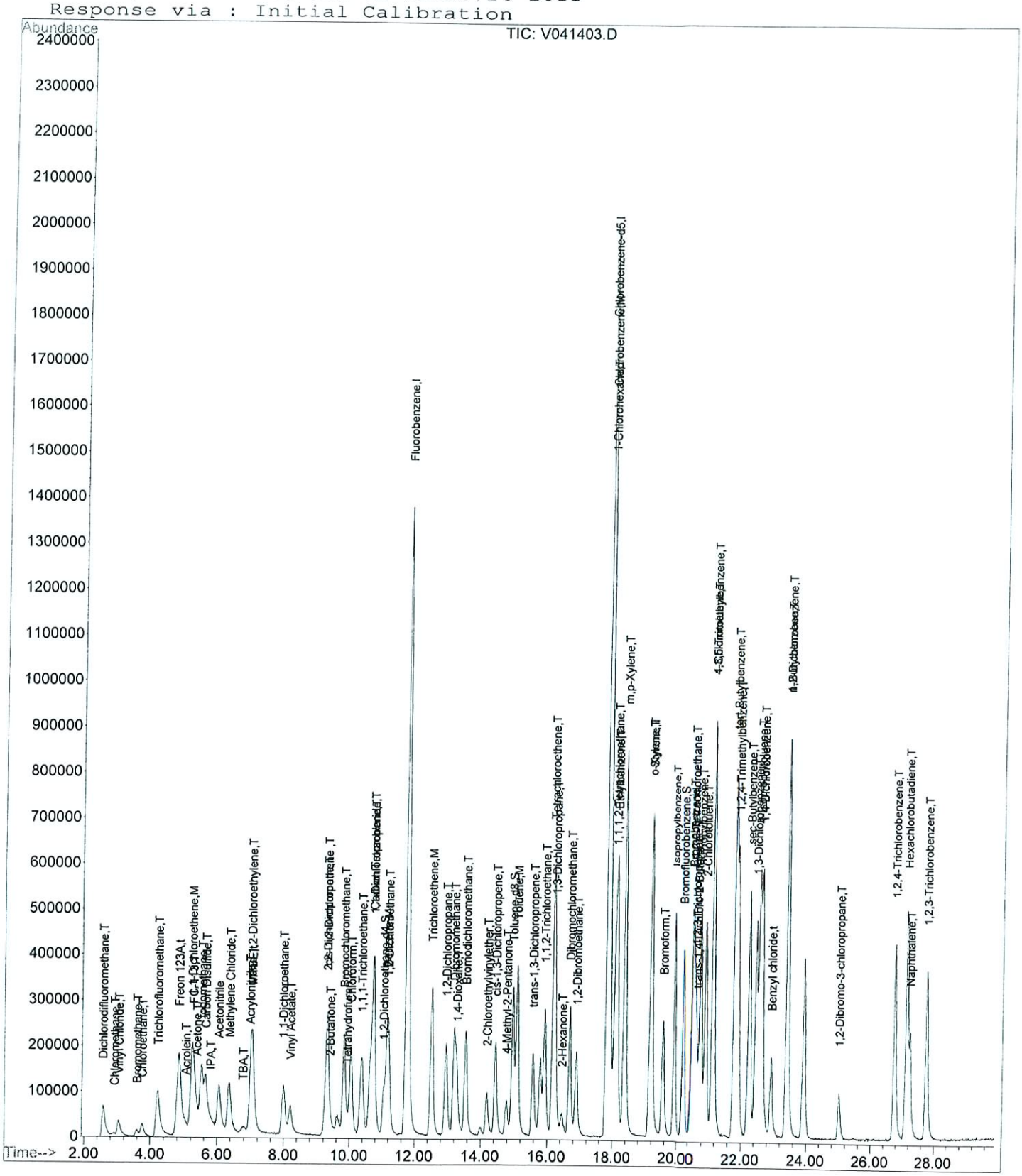
Quantitation Report

Data File : X:\MSD\041411.B\V041403.D
Acq On : 14 Apr 2011 12:24 pm
Sample : VSTD010
Misc : VSTD010 MW041211
MS Integration Params: rteint.p
Quant Time: Apr 14 13:15 2011

Vial: 3
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Jun 01 12:36:26 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : X:\MSD\041411.B\V041404.D
Acq On : 14 Apr 2011 12:59 pm
Sample : VSTD020
Misc : VSTD020 MW041211
MS Integration Params: rteint.p
Quant Time: Apr 14 15:11 2011

Vial: 4
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Mar 16 15:12:09 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

BA 6/1/11

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.76	96	4266011	50.00	ug/l	0.06
49) Chlorobenzene-d5	17.81	117	3391783	50.00	ug/l	0.05
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	11.04	65	444277	16.24	ug/l	0.04
Spiked Amount 50.000	Range 86 - 117		Recovery =	32.48%#		
54) Toluene-d8	14.95	98	1444801	17.27	ug/l	0.06
Spiked Amount 50.000	Range 93 - 107		Recovery =	34.54%#		
59) Bromofluorobenzene	20.20	95	1015707	17.46	ug/l	0.04
Spiked Amount 50.000	Range 89 - 105		Recovery =	34.92%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.57	85	617505	18.95	ug/l	97
3) Chloromethane	2.92	50	61279m	13.46	ug/l	
4) Bromomethane	3.59	94	81988	22.77	ug/l	85
5) Vinyl Chloride	3.04	62	332080	20.63	ug/l	100
6) Chloroethane	3.76	64	200488	19.10	ug/l	98
7) Trichlorofluoromethane	4.24	101	855405	18.55	ug/l	91
8) Freon 123A	4.85	67	673499	16.59	ug/l	94
9) FC-113	5.28	101	440571m	16.30	ug/l	
10) Acetone	5.41	43	90186m	22.55	ug/l	
11) Acrolein	5.06	56	10168m	25.46	ug/l	
12) Iodomethane	5.53	142	1184160	16.75	ug/l	100
13) Carbon Disulfide	5.66	76	1049644	18.31	ug/l	100
14) Acetonitrile	6.07	41	576186	18.58	ug/l #	96
15) Methylene Chloride	6.36	84	448026	18.64	ug/l	90
16) IPA	5.82	45	70104m	136.18	ug/l	
17) TBA	6.80	59	145333m	174.88	ug/l	
18) Acrylonitrile	6.97	53	75067m	19.40	ug/l	
19) MTBE	7.06	73	957973	19.16	ug/l	93
20) 1,1-Dichloroethene	5.23	61	582371	18.15	ug/l	91
21) 1,1-Dichloroethane	7.98	63	797559	18.45	ug/l	98
22) Vinyl Acetate	8.19	43	191251m	9.35	ug/l	
23) 2,2-Dichloropropane	9.28	77	624815	17.38	ug/l	96
24) trans-1,2-Dichloroethylene	7.01	61	626963	18.48	ug/l	98
25) cis-1,2-Dichloroethene	9.31	61	708855	18.17	ug/l	93
26) Tetrahydrofuran	9.92	42	87283	17.91	ug/l #	85
27) Chloroform	10.05	83	1015833	18.56	ug/l	99
28) 1,1-Dichloropropene	10.73	75	691628	18.50	ug/l	98
30) 1,2-Dichloroethane	11.20	62	546463	18.45	ug/l	99
31) 2-Butanone	9.42	43	85709	15.42	ug/l	96
32) Bromochloromethane	9.82	130	503735	18.78	ug/l	96
33) 1,1,1-Trichloroethane	10.38	97	846442	17.55	ug/l	100
34) Carbon Tetrachloride	10.72	117	844332	17.82	ug/l	97
35) Dibromomethane	13.19	174	622616	18.37	ug/l	95
36) 1,4-Dioxane	13.30	88	19098m	85.32	ug/l	
37) Bromodichloromethane	13.54	83	1007253	18.56	ug/l	95
38) 1,2-Dichloropropane	12.95	63	540434	19.28	ug/l	94
39) 2-Chloroethylvinylether	14.18	63	276248	18.57	ug/l	98
40) cis-1,3-Dichloropropene	14.43	75	806875	19.12	ug/l	100
41) Trichloroethene	12.51	95	694276	17.62	ug/l	91
42) Benzene	11.15	78	1356254	18.63	ug/l	100
43) 1,3-Dichloropropane	16.22	76	792190	18.79	ug/l	94
44) Dibromochloromethane	16.67	129	1036458	18.71	ug/l	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : X:\MSD\041411.B\V041404.D
Acq On : 14 Apr 2011 12:59 pm
Sample : VSTD020
Misc : VSTD020 MW041211
MS Integration Params: rteint.p
Quant Time: Apr 14 15:11 2011

Vial: 4
Operator: EA
Inst : MSD
Multiplr: 1.00
Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Mar 16 15:12:09 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	trans-1,3-Dichloropropene	15.55	75	723951	19.35	ug/l		99
46)	1,1,2-Trichloroethane	15.91	97	542933	18.60	ug/l		96
47)	1,2-Dibromoethane	16.87	107	854917	18.42	ug/l		99
48)	Bromoform	19.55	173	850660	18.89	ug/l		100
50)	4-Methyl-2-Pentanone	14.78	58	122303m	18.57	ug/l		
51)	2-Hexanone	16.42	58	98702m	16.50	ug/l		
52)	Tetrachloroethene	16.16	166	1101609	21.57	ug/l		97
53)	1,1,1,2-Tetrachloroethane	18.06	131	769714	19.96	ug/l		97
55)	Toluene	15.08	91	1666014	19.66	ug/l		99
56)	Chlorobenzene	17.87	112	1313672	19.79	ug/l		100
57)	1-Chlorohexane	17.86	93	225404	18.23	ug/l		100
58)	Ethylbenzene	18.12	91	2010758	19.51	ug/l		94
60)	Styrene	19.17	104	1324658	20.33	ug/l		96
61)	m,p-Xylene	18.36	91	3366785	39.49	ug/l		99
62)	o-Xylene	19.15	91	1764893	19.92	ug/l		95
63)	1,2,3-Trichloropropane	20.60	75	769577	19.48	ug/l		94
64)	Isopropylbenzene	19.90	105	2334838	19.57	ug/l		98
65)	Bromobenzene	20.49	77	1471757	19.34	ug/l		93
66)	trans-1,4-Dichloro-2-Buten	20.65	89	78505	18.53	ug/l		100
67)	n-Propylbenzene	20.74	91	2585152	19.76	ug/l		99
68)	1,1,2,2-Tetrachloroethane	20.54	83	810799	18.94	ug/l		98
69)	2-Chlorotoluene	20.91	91	1853119	20.02	ug/l		97
70)	4-Chlorotoluene	21.12	91	2015735	20.49	ug/l		98
71)	1,3,5-Trimethylbenzene	21.12	105	1913269	19.61	ug/l		96
72)	tert-Butylbenzene	21.79	119	2384906	19.44	ug/l		98
73)	1,2,4-Trimethylbenzene	21.88	105	1921494	20.01	ug/l		92
74)	sec-Butylbenzene	22.24	105	2715069	19.95	ug/l		100
75)	1,3-Dichlorobenzene	22.43	146	1277434	19.80	ug/l		100
76)	4-Isopropyltoluene	22.54	119	2221341	19.86	ug/l		96
77)	1,4-Dichlorobenzene	22.63	146	1358598	19.70	ug/l		96
78)	1,2-Dichlorobenzene	23.38	146	1239140	19.78	ug/l		93
79)	Benzyl chloride	22.92	91	917478	18.25	ug/l		99
80)	n-Butylbenzene	23.39	91	1925060	19.44	ug/l		98
81)	1,2-Dibromo-3-chloropropan	25.00	75	174994	17.78	ug/l	#	83
82)	Hexachlorobutadiene	27.13	225	779023	18.70	ug/l		97
83)	1,2,4-Trichlorobenzene	26.73	180	1000571	20.30	ug/l		98
84)	Naphthalene	27.24	128	1181679	18.45	ug/l		98
85)	1,2,3-Trichlorobenzene	27.75	180	845688	19.95	ug/l		95

(#) = qualifier out of range (m) = manual integration

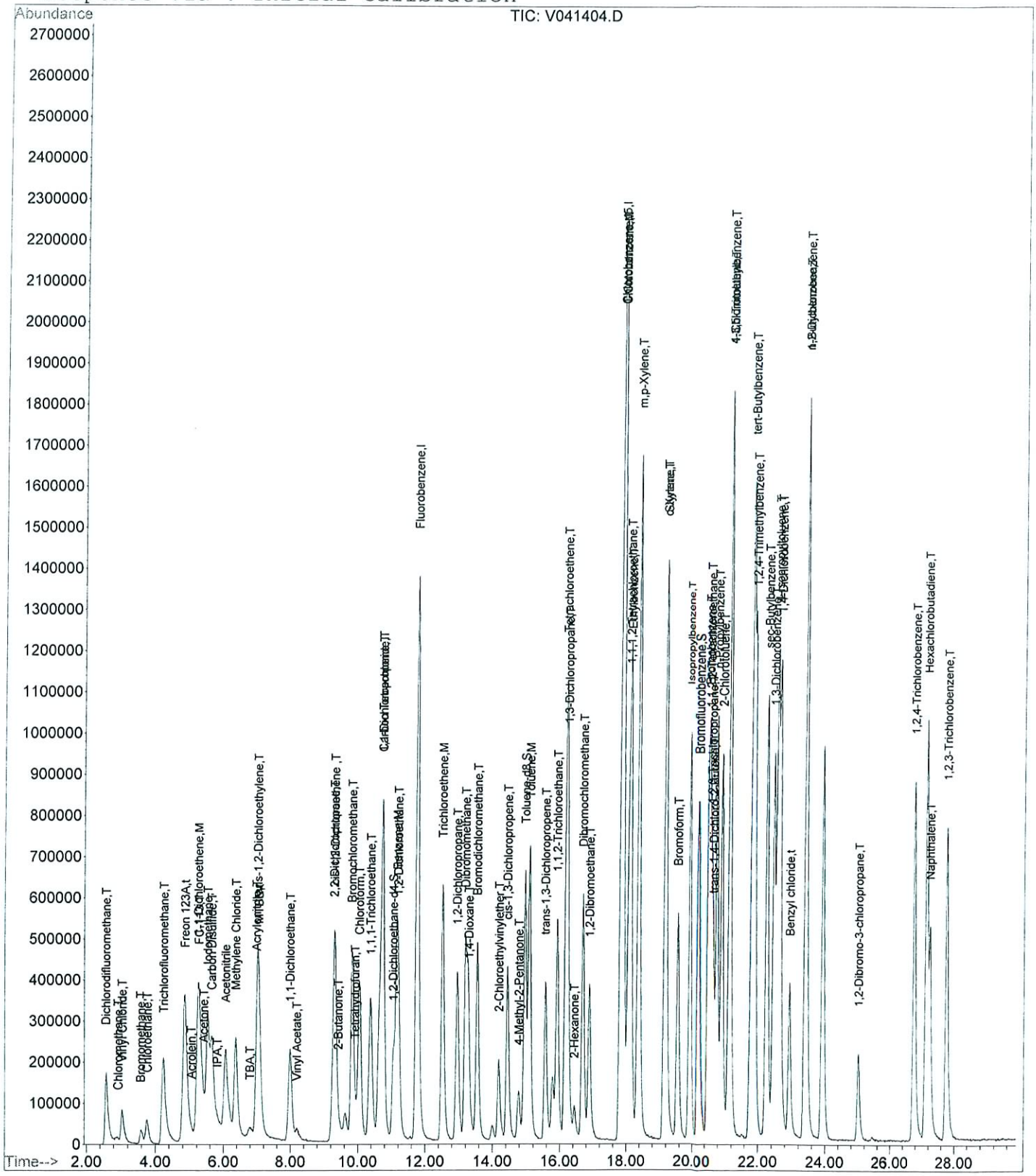
Quantitation Report

Data File : X:\MSD\041411.B\V041404.D
Acq On : 14 Apr 2011 12:59 pm
Sample : VSTD020
Misc : VSTD020 MW041211
MS Integration Params: rteint.p
Quant Time: Apr 14 15:11 2011

Vial: 4
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Jun 01 12:36:26 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : X:\MSD\041411.B\V041405.D
Acq On : 14 Apr 2011 1:35 pm
Sample : VSTD050
Misc : VSTD050 MW041211
MS Integration Params: rteint.p
Quant Time: Apr 14 15:12 2011

Vial: 5
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Mar 16 15:12:09 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

BL 6/1/11

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	11.76	96	4098544	50.00	ug/l		0.06
49) Chlorobenzene-d5	17.82	117	3227309	50.00	ug/l		0.06
System Monitoring Compounds							
29) 1,2-Dichloroethane-d4	11.05	65	1073785	40.85	ug/l		0.05
Spiked Amount 50.000	Range 86 - 117		Recovery =	81.70%#			
54) Toluene-d8	14.95	98	3366494	42.30	ug/l		0.06
Spiked Amount 50.000	Range 93 - 107		Recovery =	84.60%#			
59) Bromofluorobenzene	20.20	95	2263696	40.90	ug/l		0.04
Spiked Amount 50.000	Range 89 - 105		Recovery =	81.80%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.57	85	1423520	45.47	ug/l		97
3) Chloromethane	2.88	50	138244m BL	31.60	ug/l		
4) Bromomethane	3.58	94	192955	55.79	ug/l		93
5) Vinyl Chloride	3.04	62	728016	47.08	ug/l		98
6) Chloroethane	3.75	64	449185	44.54	ug/l		97
7) Trichlorofluoromethane	4.21	101	2022017	45.64	ug/l		92
8) Freon 123A	4.85	67	1765114	45.25	ug/l		97
9) FC-113	5.28	101	1267422m BL	48.80	ug/l		
10) Acetone	5.39	43	207877 BL	62.01	ug/l		90
11) Acrolein	5.03	56	42847m	45.96	ug/l		
12) Iodomethane	5.53	142	2776333	40.87	ug/l		98
13) Carbon Disulfide	5.65	76	2560764	46.49	ug/l		100
14) Acetonitrile	6.06	41	1341542	45.03	ug/l		96
15) Methylene Chloride	6.36	84	1021446 BL	44.23	ug/l		98
16) IPA	5.83	45	196341m BL	396.99	ug/l		
17) TBA	6.80	59	358991	456.01	ug/l		93
18) Acrylonitrile	6.98	53	180109	48.44	ug/l		92
19) MTBE	7.04	73	2196037	45.72	ug/l		97
20) 1,1-Dichloroethene	5.22	61	1481028	48.05	ug/l		98
21) 1,1-Dichloroethane	7.99	63	1899980	45.75	ug/l		95
22) Vinyl Acetate	8.19	43	1565974	50.28	ug/l		98
23) 2,2-Dichloropropane	9.28	77	1646646	47.68	ug/l		97
24) trans-1,2-Dichloroethylene	7.01	61	1530607	46.95	ug/l		96
25) cis-1,2-Dichloroethene	9.30	61	1699748	45.35	ug/l		96
26) Tetrahydrofuran	9.94	42	219054	50.77	ug/l	#	84
27) Chloroform	10.04	83	2380701	45.28	ug/l		97
28) 1,1-Dichloropropene	10.73	75	1692059	47.11	ug/l		99
30) 1,2-Dichloroethane	11.20	62	1288387	45.27	ug/l		99
31) 2-Butanone	9.40	43	275529	51.59	ug/l		99
32) Bromochloromethane	9.83	130	1171552	45.46	ug/l		96
33) 1,1,1-Trichloroethane	10.37	97	2132372	46.01	ug/l		99
34) Carbon Tetrachloride	10.71	117	2077320	45.64	ug/l		98
35) Dibromomethane	13.20	174	1465524	45.00	ug/l		94
36) 1,4-Dioxane	13.27	88	52080m BL	240.08	ug/l		
37) Bromodichloromethane	13.54	83	2347762	45.02	ug/l		95
38) 1,2-Dichloropropane	12.95	63	1261829	46.85	ug/l		97
39) 2-Chloroethylvinylether	14.17	63	650060	45.48	ug/l		96
40) cis-1,3-Dichloropropene	14.44	75	1895319	46.75	ug/l		98
41) Trichloroethene	12.51	95	1650157	43.58	ug/l		96
42) Benzene	11.15	78	3213996	45.96	ug/l		100
43) 1,3-Dichloropropane	16.23	76	1815672	44.83	ug/l		93
44) Dibromochloromethane	16.68	129	2382445	44.77	ug/l		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : X:\MSD\041411.B\V041405.D
Acq On : 14 Apr 2011 1:35 pm
Sample : VSTD050
Misc : VSTD050 MW041211
MS Integration Params: rteint.p
Quant Time: Apr 14 15:12 2011

Vial: 5
Operator: EA
Inst : MSD
Multiplr: 1.00
Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Mar 16 15:12:09 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

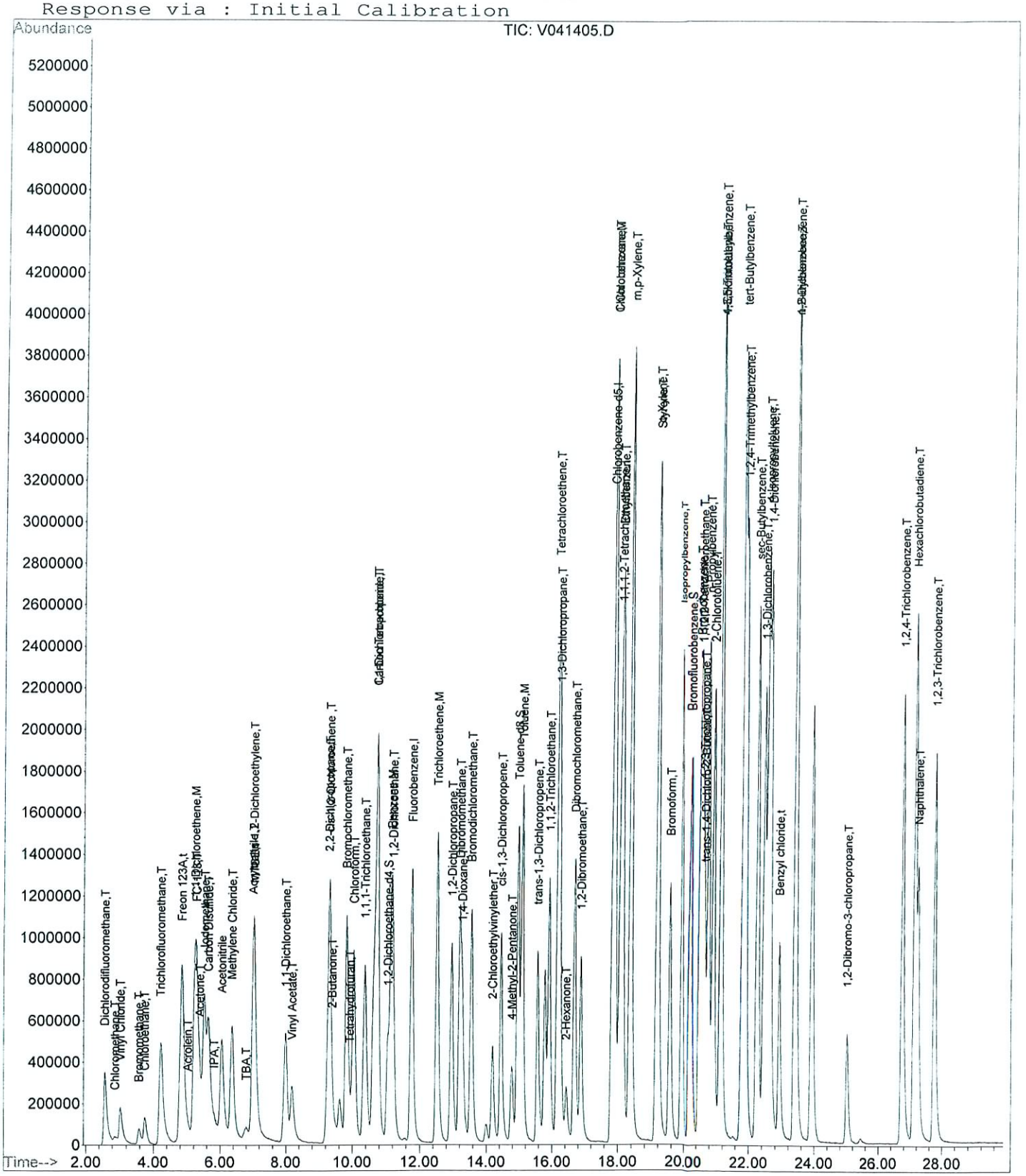
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	trans-1,3-Dichloropropene	15.55	75	1668916	46.42	ug/l		97
46)	1,1,2-Trichloroethane	15.91	97	1260409	44.94	ug/l		94
47)	1,2-Dibromoethane	16.88	107	2005122	44.96	ug/l		97
48)	Bromoform	19.54	173	1943819	44.94	ug/l		94
50)	4-Methyl-2-Pentanone	14.77	58	357290	57.02	ug/l		98
51)	2-Hexanone	16.44	58	334839	49.93	ug/l	#	76
52)	Tetrachloroethene	16.17	166	2547457	52.43	ug/l		97
53)	1,1,1,2-Tetrachloroethane	18.06	131	1763138	48.06	ug/l		99
55)	Toluene	15.08	91	4002239	49.64	ug/l		100
56)	Chlorobenzene	17.87	112	3065105	48.54	ug/l		96
57)	1-Chlorohexane	17.86	93	560688	47.66	ug/l		94
58)	Ethylbenzene	18.11	91	4763847	48.57	ug/l		92
60)	Styrene	19.18	104	3045433	49.12	ug/l		98
61)	m,p-Xylene	18.36	91	7743263	95.45	ug/l		98
62)	o-Xylene	19.15	91	4108782	48.73	ug/l		92
63)	1,2,3-Trichloropropane	20.61	75	1759501	46.82	ug/l		96
64)	Isopropylbenzene	19.91	105	5575835	49.13	ug/l		99
65)	Bromobenzene	20.48	77	3408827	47.08	ug/l		98
66)	trans-1,4-Dichloro-2-Buten	20.65	89	203256	50.43	ug/l		100
67)	n-Propylbenzene	20.74	91	6207037	49.86	ug/l		98
68)	1,1,2,2-Tetrachloroethane	20.54	83	1906992	46.82	ug/l		98
69)	2-Chlorotoluene	20.90	91	4344243	49.31	ug/l		100
70)	4-Chlorotoluene	21.12	91	4636555	49.53	ug/l		96
71)	1,3,5-Trimethylbenzene	21.12	105	4507113	48.54	ug/l		94
72)	tert-Butylbenzene	21.78	119	5701867	48.85	ug/l		96
73)	1,2,4-Trimethylbenzene	21.88	105	4443768	48.65	ug/l		97
74)	sec-Butylbenzene	22.23	105	6545990	50.54	ug/l		97
75)	1,3-Dichlorobenzene	22.44	146	3005988	48.97	ug/l		98
76)	4-Isopropyltoluene	22.55	119	5287901	49.69	ug/l		97
77)	1,4-Dichlorobenzene	22.63	146	3202698	48.80	ug/l		97
78)	1,2-Dichlorobenzene	23.39	146	2890448	48.49	ug/l		94
79)	Benzyl chloride	22.91	91	2289845	47.87	ug/l		99
80)	n-Butylbenzene	23.39	91	4891720	51.93	ug/l		98
81)	1,2-Dibromo-3-chloropropan	25.01	75	425876	45.49	ug/l		93
82)	Hexachlorobutadiene	27.12	225	1975217	49.84	ug/l		97
83)	1,2,4-Trichlorobenzene	26.73	180	2490600	53.12	ug/l		98
84)	Naphthalene	27.24	128	3077881	50.51	ug/l		97
85)	1,2,3-Trichlorobenzene	27.75	180	2048186	50.79	ug/l		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\MSD\041411.B\V041405.D Vial: 5
Acq On : 14 Apr 2011 1:35 pm Operator: EA
Sample : VSTD050 Inst : MSD
Misc : VSTD050 MW041211 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 15:12 2011 Quant Results File: 82600414.RES

Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Jun 01 12:36:26 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : X:\MSD\041411.B\V041406.D
Acq On : 14 Apr 2011 2:11 pm
Sample : VSTD100
Misc : VSTD100 MW041211
MS Integration Params: rteint.p
Quant Time: Apr 14 14:48 2011

Vial: 6
Operator: EA
Inst : MSD
Multiplr: 1.00
Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Mar 16 15:12:09 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

6/1/11

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	11.74	96	4295077	50.00	ug/l		0.04
49) Chlorobenzene-d5	17.82	117	3356120	50.00	ug/l		0.05
System Monitoring Compounds							
29) 1,2-Dichloroethane-d4	11.05	65	2283445	82.89	ug/l		0.05
Spiked Amount 50.000	Range 86 - 117		Recovery = 165.78%#				
54) Toluene-d8	14.95	98	6918426	83.60	ug/l		0.06
Spiked Amount 50.000	Range 93 - 107		Recovery = 167.20%#				
59) Bromofluorobenzene	20.21	95	4663196	81.02	ug/l		0.05
Spiked Amount 50.000	Range 89 - 105		Recovery = 162.04%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.57	85	3075137	93.73	ug/l		97
3) Chloromethane	2.90	50	377413	82.32	ug/l		89
4) Bromomethane	3.57	94	341207	94.13	ug/l		88
5) Vinyl Chloride	3.04	62	1632072	100.70	ug/l		99
6) Chloroethane	3.74	64	918925	86.94	ug/l		99
7) Trichlorofluoromethane	4.20	101	4000144	86.16	ug/l		95
8) Freon 123A	4.85	67	3433587	84.00	ug/l		95
9) FC-113	5.28	101	2224277	81.73	ug/l		97
10) Acetone	5.37	43	342096	100.60	ug/l		92
11) Acrolein	5.03	56	259352	172.81	ug/l	#	100
12) Iodomethane	5.51	142	5920018	83.16	ug/l		97
13) Carbon Disulfide	5.65	76	5034314	87.22	ug/l		100
14) Acetonitrile	6.04	41	2775478	88.90	ug/l		95
15) Methylene Chloride	6.36	84	2110049	87.19	ug/l		96
16) IPA	5.83	45	590347	1139.02	ug/l	#	100
17) TBA	6.80	59	868484	1058.02	ug/l		99
18) Acrylonitrile	6.95	53	412129	105.77	ug/l		92
19) MTBE	7.07	73	3937429	78.22	ug/l		92
20) 1,1-Dichloroethene	5.22	61	2883425	89.28	ug/l		97
21) 1,1-Dichloroethane	7.98	63	4019372	92.35	ug/l		96
22) Vinyl Acetate	8.19	43	3231148	95.21	ug/l		79
23) 2,2-Dichloropropane	9.28	77	3030624	83.74	ug/l		96
24) trans-1,2-Dichloroethylene	7.01	61	3114678	91.17	ug/l		96
25) cis-1,2-Dichloroethene	9.31	61	3475999	88.50	ug/l		97
26) Tetrahydrofuran	9.93	42	448757	101.60	ug/l	#	77
27) Chloroform	10.04	83	4889377	88.74	ug/l		99
28) 1,1-Dichloropropene	10.73	75	3422264	90.92	ug/l		99
30) 1,2-Dichloroethane	11.21	62	2637981	88.44	ug/l		95
31) 2-Butanone	9.41	43	610251	109.03	ug/l		96
32) Bromochloromethane	9.82	130	2393226	88.62	ug/l		97
33) 1,1,1-Trichloroethane	10.37	97	4263768	87.79	ug/l		99
34) Carbon Tetrachloride	10.73	117	4217295	88.42	ug/l		99
35) Dibromomethane	13.19	174	3020418	88.50	ug/l		97
36) 1,4-Dioxane	13.27	88	118686	520.75	ug/l	#	39
37) Bromodichloromethane	13.53	83	4872804	89.17	ug/l		92
38) 1,2-Dichloropropane	12.95	63	2617217	92.72	ug/l		98
39) 2-Chloroethylvinylether	14.18	63	1373610	91.69	ug/l		96
40) cis-1,3-Dichloropropene	14.44	75	3991046	93.93	ug/l		99
41) Trichloroethene	12.51	95	3314590	83.54	ug/l		93
42) Benzene	11.15	78	6593854	89.97	ug/l		100
43) 1,3-Dichloropropane	16.24	76	3641711	85.80	ug/l		95
44) Dibromochloromethane	16.68	129	4937901	88.54	ug/l		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : X:\MSD\041411.B\V041406.D Vial: 6
Acq On : 14 Apr 2011 2:11 pm Operator: EA
Sample : VSTD100 Inst : MSD
Misc : VSTD100 MW041211 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 14 14:48 2011 Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Mar 16 15:12:09 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	trans-1,3-Dichloropropene	15.55	75	3557972	94.44	ug/l		96
46)	1,1,2-Trichloroethane	15.91	97	2517751	85.65	ug/l		95
47)	1,2-Dibromoethane	16.88	107	4112163	87.98	ug/l		96
48)	Bromoform	19.54	173	4057874	89.52	ug/l		100
50)	4-Methyl-2-Pentanone	14.77	58	759638	116.58	ug/l		93
51)	2-Hexanone	16.44	58	716292	99.04	ug/l	#	78
52)	Tetrachloroethene	16.18	166	4747562	93.96	ug/l		97
53)	1,1,1,2-Tetrachloroethane	18.05	131	3594285	94.21	ug/l		99
55)	Toluene	15.08	91	8149180	97.19	ug/l		97
56)	Chlorobenzene	17.87	112	6257658	95.29	ug/l		98
57)	1-Chlorohexane	17.87	93	1162701	95.05	ug/l		100
58)	Ethylbenzene	18.12	91	9552704	93.66	ug/l		98
60)	Styrene	19.18	104	6195085	96.09	ug/l		99
61)	m,p-Xylene	18.36	91	15880643	188.24	ug/l		100
62)	o-Xylene	19.15	91	8330468	95.00	ug/l		92
63)	1,2,3-Trichloropropane	20.61	75	3626402	92.79	ug/l		94
64)	Isopropylbenzene	19.90	105	11424332	96.79	ug/l		100
65)	Bromobenzene	20.49	77	7016762	93.19	ug/l		97
66)	trans-1,4-Dichloro-2-Buten	20.66	89	470080	112.15	ug/l		100
67)	n-Propylbenzene	20.75	91	12531120	96.79	ug/l		98
68)	1,1,2,2-Tetrachloroethane	20.54	83	3848055	90.84	ug/l		99
69)	2-Chlorotoluene	20.91	91	8633381	94.24	ug/l		100
70)	4-Chlorotoluene	21.13	91	9230930	94.82	ug/l		100
71)	1,3,5-Trimethylbenzene	21.13	105	9012572	93.34	ug/l		96
72)	tert-Butylbenzene	21.78	119	11520359	94.91	ug/l		95
73)	1,2,4-Trimethylbenzene	21.89	105	8781168	92.44	ug/l		98
74)	sec-Butylbenzene	22.24	105	13281181	98.60	ug/l		99
75)	1,3-Dichlorobenzene	22.45	146	6064044	95.00	ug/l		99
76)	4-Isopropyltoluene	22.55	119	10415447	94.12	ug/l		98
77)	1,4-Dichlorobenzene	22.64	146	6165389	90.33	ug/l		98
78)	1,2-Dichlorobenzene	23.39	146	5724236	92.35	ug/l		94
79)	Benzyl chloride	22.92	91	4945067	99.40	ug/l		99
80)	n-Butylbenzene	23.40	91	9882292	100.88	ug/l		97
81)	1,2-Dibromo-3-chloropropan	25.01	75	918571	94.35	ug/l		91
82)	Hexachlorobutadiene	27.12	225	3988542	96.78	ug/l		97
83)	1,2,4-Trichlorobenzene	26.74	180	5252446	107.72	ug/l		98
84)	Naphthalene	27.24	128	6903475	108.94	ug/l		100
85)	1,2,3-Trichlorobenzene	27.75	180	4450839	106.13	ug/l		97

(#) = qualifier out of range (m) = manual integration

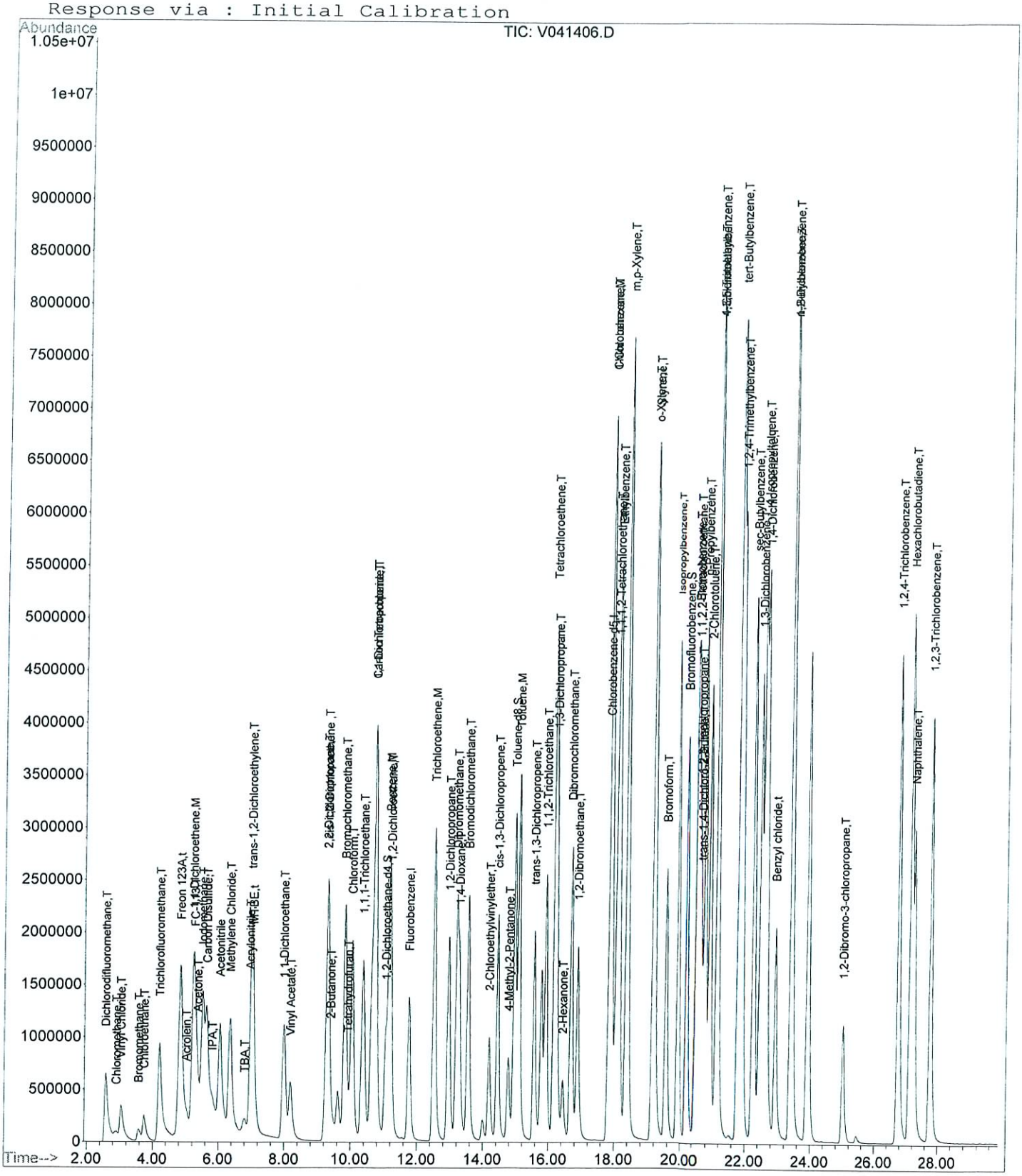
Quantitation Report

Data File : X:\MSD\041411.B\V041406.D
Acq On : 14 Apr 2011 2:11 pm
Sample : VSTD100
Misc : VSTD100 MW041211
MS Integration Params: rteint.p
Quant Time: Apr 14 14:48 2011

Vial: 6
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Jun 01 12:36:26 2011
Response via : Initial Calibration



Volatile Continuing Calibration Report

Data File : X:\MSD\051211.B\V051202.D
Acq On : 12 May 2011 10:21 am
Sample : CCV
Misc : VSTD020 MW041211
MS Integration Params: rteint.p

Vial: 2
Operator: EA
Inst : MSD
Multiplr: 1.00

Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	101	-0.02
2	T	Dichlorodifluoromethane	0.341	0.256	24.9#	72	0.00
3	T	Chloromethane	0.037	0.033	10.8	93	-0.07
4	T	Bromomethane	0.044	0.040	9.1	83	-0.02
5	T	Vinyl Chloride	0.189	0.171	9.5	89	0.00
6	T	Chloroethane	0.115	0.122	-6.1	105	-0.02
7	T	Trichlorofluoromethane	0.489	0.519	-6.1	105	-0.02
8	t	Freon 123A	0.408	0.445	-9.1	114	0.00
9	T	FC-113	0.302	0.362	-19.9	142	0.00
10	T	Acetone	0.046	0.051	-10.9	97	-0.04
11	T	Acrolein	0.010	0.004	60.0#	147	0.04
12	T	Iodomethane	0.689	0.602	12.6	88	-0.02
13	T	Carbon Disulfide	0.606	0.524	13.5	86	-0.02
14		Acetonitrile	0.325	0.360	-10.8	108	-0.02
15	T	Methylene Chloride	0.257	0.269	-4.7	104	0.00
16	T	IPA	0.005	0.004	20.0	107	-0.03
17	T	TBA	0.009	0.011	-22.2#	129	0.00
18	T	Acrylonitrile	0.042	0.054	-28.6#	125	0.02
19	t	MTBE	0.543	0.638	-17.5	115	-0.02
20	M	1,1-Dichloroethene	0.341	0.342	-0.3	102	0.00
21	T	1,1-Dichloroethane	0.468	0.483	-3.2	105	0.00
22	T	Vinyl Acetate	0.303	0.164	45.9#	148	0.02
23	T	2,2-Dichloropropane	0.392	0.391	0.3	108	0.00
24	T	trans-1,2-Dichloroethylene	0.367	0.372	-1.4	102	-0.02
25	T	cis-1,2-Dichloroethene	0.416	0.425	-2.2	103	0.00
26	T	Tetrahydrofuran	0.055	0.057	-3.6	113	0.00
27	T	Chloroform	0.586	0.592	-1.0	101	-0.02
28	T	1,1-Dichloropropene	0.412	0.413	-0.2	103	0.00
29	S	1,2-Dichloroethane-d4	0.259	0.738	-184.9#	287#	0.00
30	T	1,2-Dichloroethane	0.321	0.326	-1.6	103	0.00
31	T	2-Butanone	0.063	0.054	14.3	109	-0.02
32	T	Bromochloromethane	0.290	0.298	-2.8	102	0.00
33	T	1,1,1-Trichloroethane	0.508	0.515	-1.4	105	-0.02
34	T	Carbon Tetrachloride	0.508	0.487	4.1	100	0.00
35	T	Dibromomethane	0.366	0.367	-0.3	102	0.00
36	T	1,4-Dioxane	0.002	0.003	-50.0#	118	-0.02
37	T	Bromodichloromethane	0.569	0.628	-10.4	108	-0.02
38	T	1,2-Dichloropropane	0.311	0.319	-2.6	102	0.00
39	T	2-Chloroethylvinylether	0.156	0.186	-19.2	116	0.00
40	T	cis-1,3-Dichloropropene	0.458	0.482	-5.2	103	0.00
41	M	Trichloroethene	0.413	0.406	1.7	101	0.00
42	M	Benzene	0.800	0.803	-0.4	102	0.00
43	T	1,3-Dichloropropane	0.457	0.486	-6.3	106	0.00
44	T	Dibromochloromethane	0.582	0.622	-6.9	104	0.00
45	T	trans-1,3-Dichloropropene	0.399	0.428	-7.3	102	0.00
46	T	1,1,2-Trichloroethane	0.315	0.331	-5.1	105	0.00
47	T	1,2-Dibromoethane	0.488	0.511	-4.7	103	0.00
48	T	Bromoform	0.468	0.482	-3.0	98	0.00
49	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
50	T	4-Methyl-2-Pentanone	0.100	0.110	-10.0	123	0.00
51	T	2-Hexanone	0.084	0.093	-10.7	129	0.00
52	T	Tetrachloroethene	0.807	0.742	8.1	92	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : X:\MSD\051211.B\V051202.D
Acq On : 12 May 2011 10:21 am
Sample : CCV
Misc : VSTD020 MW041211
MS Integration Params: rteint.p

Vial: 2
Operator: EA
Inst : MSD
Multiplr: 1.00

Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
53	T	1,1,1,2-Tetrachloroethane	0.546	0.561	-2.7	100	-0.02
54	S	Toluene-d8	1.073	3.031	-182.5#	287#	0.00
55	M	Toluene	1.224	1.245	-1.7	102	-0.02
56	M	Chlorobenzene	0.961	0.977	-1.7	102	0.00
57	T	1-Chlorohexane	0.168	0.178	-6.0	108	0.00
58	T	Ethylbenzene	1.473	1.507	-2.3	102	-0.02
59	S	Bromofluorobenzene	0.749	1.989	-165.6#	268#	0.00
60	T	Styrene	0.938	0.960	-2.3	99	0.00
61	T	m,p-Xylene	1.200	1.212	-1.0	98	0.00
62	T	o-Xylene	1.279	1.270	0.7	98	0.00
63	T	1,2,3-Trichloropropane	0.517	0.594	-14.9	106	0.00
64	T	Isopropylbenzene	1.723	1.681	2.4	98	0.00
65	T	Bromobenzene	1.046	1.111	-6.2	103	0.00
66	T	trans-1,4-Dichloro-2-Butene	0.057	0.069	-21.1#	119	0.00
67	T	n-Propylbenzene	1.883	1.862	1.1	98	0.00
68	T	1,1,2,2-Tetrachloroethane	0.582	0.638	-9.6	107	-0.02
69	T	2-Chlorotoluene	1.363	1.381	-1.3	102	0.00
70	T	4-Chlorotoluene	1.442	1.440	0.1	98	0.00
71	T	1,3,5-Trimethylbenzene	1.401	1.399	0.1	100	0.00
72	T	tert-Butylbenzene	1.753	1.726	1.5	99	0.00
73	T	1,2,4-Trimethylbenzene	1.372	1.400	-2.0	100	-0.02
74	T	sec-Butylbenzene	1.985	1.900	4.3	96	0.00
75	T	1,3-Dichlorobenzene	0.932	0.928	0.4	99	0.00
76	T	4-Isopropyltoluene	1.595	1.563	2.0	96	0.00
77	T	1,4-Dichlorobenzene	0.975	1.001	-2.7	101	0.00
78	T	1,2-Dichlorobenzene	0.891	0.914	-2.6	101	0.00
79	t	Benzyl chloride	0.640	0.795	-24.2#	118	-0.02
80	T	n-Butylbenzene	1.412	1.412	0.0	100	0.00
81	T	1,2-Dibromo-3-chloropropane	0.124	0.134	-8.1	105	0.00
82	T	Hexachlorobutadiene	0.577	0.549	4.9	96	-0.02
83	T	1,2,4-Trichlorobenzene	0.690	0.719	-4.2	98	0.00
84	T	Naphthalene	0.801	0.931	-16.2	108	0.00
85	T	1,2,3-Trichlorobenzene	0.582	0.612	-5.2	99	0.00

Continuing Calibration Report MSD

Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Jun 01 12:36:26 2011
Response via : Initial Calibration

Continuing Calibration File: V051202.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
1	I	Fluorobenzene	1.000	1.000	0.0	101
2	T	Dichlorodifluoromethane	0.341	0.256	25.1#	72
3	T	Chloromethane	0.037	0.033	10.6	93
4	T	Bromomethane	0.044	0.040	10.0	83
5	T	Vinyl Chloride	0.189	0.171	9.4	89
6	T	Chloroethane	0.115	0.122	-5.9	105
7	T	Trichlorofluoromethane	0.489	0.519	-6.2	105
8	t	Freon 123A	0.408	0.445	-9.0	114
9	T	FC-113	0.302	0.362	-19.6	142
10	T	Acetone	0.046	0.051	-10.7	97
11	T	Acrolein	0.010	0.004	54.5#	147
12	T	Iodomethane	0.689	0.602	12.6	88
13	T	Carbon Disulfide	0.606	0.524	13.5	86
14		Acetonitrile	0.325	0.360	-10.8	108
15	T	Methylene Chloride	0.257	0.269	-4.9	104
16	T	IPA	0.005	0.004	15.2	107
17	T	TBA	0.009	0.011	-26.4#	129
18	T	Acrylonitrile	0.042	0.054	-29.6#	125
19	t	MTBE	0.543	0.638	-17.3	115
20	M	1,1-Dichloroethene	0.341	0.342	-0.5	102
21	T	1,1-Dichloroethane	0.468	0.483	-3.2	105
22	T	Vinyl Acetate	0.303	0.164	45.9#	148
23	T	2,2-Dichloropropane	0.392	0.391	0.2	108
24	T	trans-1,2-Dichloroethylene	0.367	0.372	-1.2	102
25	T	cis-1,2-Dichloroethene	0.416	0.425	-2.2	103
26	T	Tetrahydrofuran	0.055	0.057	-3.7	113
27	T	Chloroform	0.586	0.592	-1.1	101
28	T	1,1-Dichloropropene	0.412	0.413	-0.1	103
29	S	1,2-Dichloroethane-d4	0.259	0.295	-14.0	287#
30	T	1,2-Dichloroethane	0.321	0.326	-1.4	103
31	T	2-Butanone	0.063	0.054	13.2	109
32	T	Bromochloromethane	0.290	0.298	-2.9	102
33	T	1,1,1-Trichloroethane	0.508	0.515	-1.4	105
34	T	Carbon Tetrachloride	0.508	0.487	4.1	100
35	T	Dibromomethane	0.366	0.367	-0.5	102
36	T	1,4-Dioxane	0.002	0.003	-16.1	118
37	T	Bromodichloromethane	0.569	0.628	-10.3	108
38	T	1,2-Dichloropropane	0.311	0.319	-2.4	102
39	T	2-Chloroethylvinylether	0.156	0.186	-19.2	116
40	T	cis-1,3-Dichloropropene	0.458	0.482	-5.3	103
41	M	Trichloroethene	0.413	0.406	1.6	101
42	M	Benzene	0.800	0.803	-0.3	102
43	T	1,3-Dichloropropane	0.457	0.486	-6.4	106
44	T	Dibromochloromethane	0.582	0.622	-6.9	104
45	T	trans-1,3-Dichloropropene	0.399	0.428	-7.3	102
46	T	1,1,2-Trichloroethane	0.315	0.331	-4.9	105
47	T	1,2-Dibromoethane	0.488	0.511	-4.7	103
48	T	Bromoform	0.468	0.482	-3.0	98
49	I	Chlorobenzene-d5	1.000	1.000	0.0	101
50	T	4-Methyl-2-Pentanone	0.100	0.110	-10.1	123
51	T	2-Hexanone	0.084	0.093	-10.3	129
52	T	Tetrachloroethene	0.807	0.742	8.1	92
53	T	1,1,1,2-Tetrachloroethane	0.546	0.561	-2.7	100
54	S	Toluene-d8	1.073	1.212	-13.0	287#

(#) = Out of Range

Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Jun 01 12:36:26 2011
Response via : Initial Calibration

Continuing Calibration File: V051202.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%
55	M	Toluene	1.224	1.245	-1.7	102
56	M	Chlorobenzene	0.961	0.977	-1.7	102
57	T	1-Chlorohexane	0.168	0.178	-5.5	108
58	T	Ethylbenzene	1.473	1.507	-2.3	102
59	S	Bromofluorobenzene	0.749	0.795	-6.2	268#
60	T	Styrene	0.938	0.960	-2.4	99
61	T	m,p-Xylene	1.200	1.212	-1.0	98
62	T	o-Xylene	1.279	1.270	0.7	98
63	T	1,2,3-Trichloropropane	0.517	0.594	-14.9	106
64	T	Isopropylbenzene	1.723	1.681	2.4	98
65	T	Bromobenzene	1.046	1.111	-6.2	103
66	T	trans-1,4-Dichloro-2-Butene	0.057	0.069	-19.5	119
67	T	n-Propylbenzene	1.883	1.862	1.1	98
68	T	1,1,2,2-Tetrachloroethane	0.582	0.638	-9.6	107
69	T	2-Chlorotoluene	1.363	1.381	-1.3	102
70	T	4-Chlorotoluene	1.442	1.440	0.2	98
71	T	1,3,5-Trimethylbenzene	1.401	1.399	0.1	100
72	T	tert-Butylbenzene	1.753	1.726	1.6	99
73	T	1,2,4-Trimethylbenzene	1.372	1.400	-2.0	100
74	T	sec-Butylbenzene	1.985	1.900	4.3	96
75	T	1,3-Dichlorobenzene	0.932	0.928	0.4	99
76	T	4-Isopropyltoluene	1.595	1.563	2.0	96
77	T	1,4-Dichlorobenzene	0.975	1.001	-2.7	101
78	T	1,2-Dichlorobenzene	0.891	0.914	-2.6	101
79	t	Benzyl chloride	0.640	0.795	-24.3#	118
80	T	n-Butylbenzene	1.412	1.412	0.0	100
81	T	1,2-Dibromo-3-chloropropane	0.124	0.134	-8.4	105
82	T	Hexachlorobutadiene	0.577	0.549	4.9	96
83	T	1,2,4-Trichlorobenzene	0.690	0.719	-4.1	98
84	T	Naphthalene	0.801	0.931	-16.2	108
85	T	1,2,3-Trichlorobenzene	0.582	0.612	-5.2	99

Quantitation Report (QT Reviewed)

Data File : X:\MSD\051211.B\V051202.D
Acq On : 12 May 2011 10:21 am
Sample : CCV
Misc : VSTD020 MW041211
MS Integration Params: rteint.p
Quant Time: May 12 12:23 2011

Vial: 2
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

EA 6/1/11

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.74	96	4315876	50.00	ug/l	-0.02
49) Chlorobenzene-d5	17.81	117	3416425	50.00	ug/l	0.00
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	11.04	65	1274153	57.02	ug/l	0.00
Spiked Amount 50.000	Range 86 - 117		Recovery =	114.04%		
54) Toluene-d8	14.94	98	4141904	56.49	ug/l	0.00
Spiked Amount 50.000	Range 93 - 107		Recovery =	112.98%#		
59) Bromofluorobenzene	20.20	95	2717541	53.12	ug/l	0.00
Spiked Amount 50.000	Range 89 - 105		Recovery =	106.24%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.56	85	441576m	14.99	ug/l	
3) Chloromethane	2.85	50	57021m	17.88	ug/l	
4) Bromomethane	3.56	94	68426	17.99	ug/l	82
5) Vinyl Chloride	3.04	62	295820	18.12	ug/l	90
6) Chloroethane	3.75	64	210343	21.18	ug/l	92
7) Trichlorofluoromethane	4.22	101	896112	21.24	ug/l	98
8) Freon 123A	4.84	67	768410	21.81	ug/l	98
9) FC-113	5.28	101	624544m	26.04	ug/l	
10) Acetone	5.37	43	87515m	22.14	ug/l	
11) Acrolein	5.10	56	14957m	28.23	ug/l	
12) Iodomethane	5.51	142	1039918	17.48	ug/l	99
13) Carbon Disulfide	5.64	76	904381	17.29	ug/l	100
14) Acetonitrile	6.05	41	621197	22.15	ug/l #	92
15) Methylene Chloride	6.35	84	465018	20.98	ug/l	96
16) IPA	5.79	45	74862m	175.61	ug/l	
17) TBA	6.80	59	187077m	238.26	ug/l	
18) Acrylonitrile	7.00	53	93856m	25.92	ug/l	
19) MTBE	7.04	73	1100867	23.47	ug/l	95
20) 1,1-Dichloroethene	5.22	61	591170	20.10	ug/l	91
21) 1,1-Dichloroethane	7.97	63	834611	20.64	ug/l	99
22) Vinyl Acetate	8.21	43	282513	11.95	ug/l	83
23) 2,2-Dichloropropane	9.28	77	675099	19.96	ug/l	97
24) trans-1,2-Dichloroethylene	6.99	61	641709	20.24	ug/l	96
25) cis-1,2-Dichloroethene	9.30	61	733552	20.45	ug/l	94
26) Tetrahydrofuran	9.91	42	99014m	22.07	ug/l	
27) Chloroform	10.03	83	1022569	20.23	ug/l	99
28) 1,1-Dichloropropene	10.73	75	712779	20.02	ug/l	96
30) 1,2-Dichloroethane	11.21	62	562666	20.28	ug/l	97
31) 2-Butanone	9.40	43	93700	17.36	ug/l	90
32) Bromochloromethane	9.82	130	514654	20.58	ug/l	91
33) 1,1,1-Trichloroethane	10.37	97	889625	20.27	ug/l	99
34) Carbon Tetrachloride	10.71	117	840162	19.17	ug/l	97
35) Dibromomethane	13.19	174	634348	20.09	ug/l	92
36) 1,4-Dioxane	13.28	88	22537m	103.87	ug/l	
37) Bromodichloromethane	13.52	83	1083291	22.07	ug/l	97
38) 1,2-Dichloropropane	12.94	63	549921	20.48	ug/l	87
39) 2-Chloroethylvinylether	14.18	63	321056	23.84	ug/l	97
40) cis-1,3-Dichloropropene	14.44	75	832861	21.06	ug/l	97
41) Trichloroethene	12.51	95	701378	19.69	ug/l	95
42) Benzene	11.14	78	1386211	20.07	ug/l	100
43) 1,3-Dichloropropane	16.22	76	839725	21.29	ug/l	91
44) Dibromochloromethane	16.67	129	1074148	21.38	ug/l	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : X:\MSD\051211.B\V051202.D
Acq On : 12 May 2011 10:21 am
Sample : CCV
Misc : VSTD020 MW041211
MS Integration Params: rteint.p
Quant Time: May 12 12:23 2011

Vial: 2
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

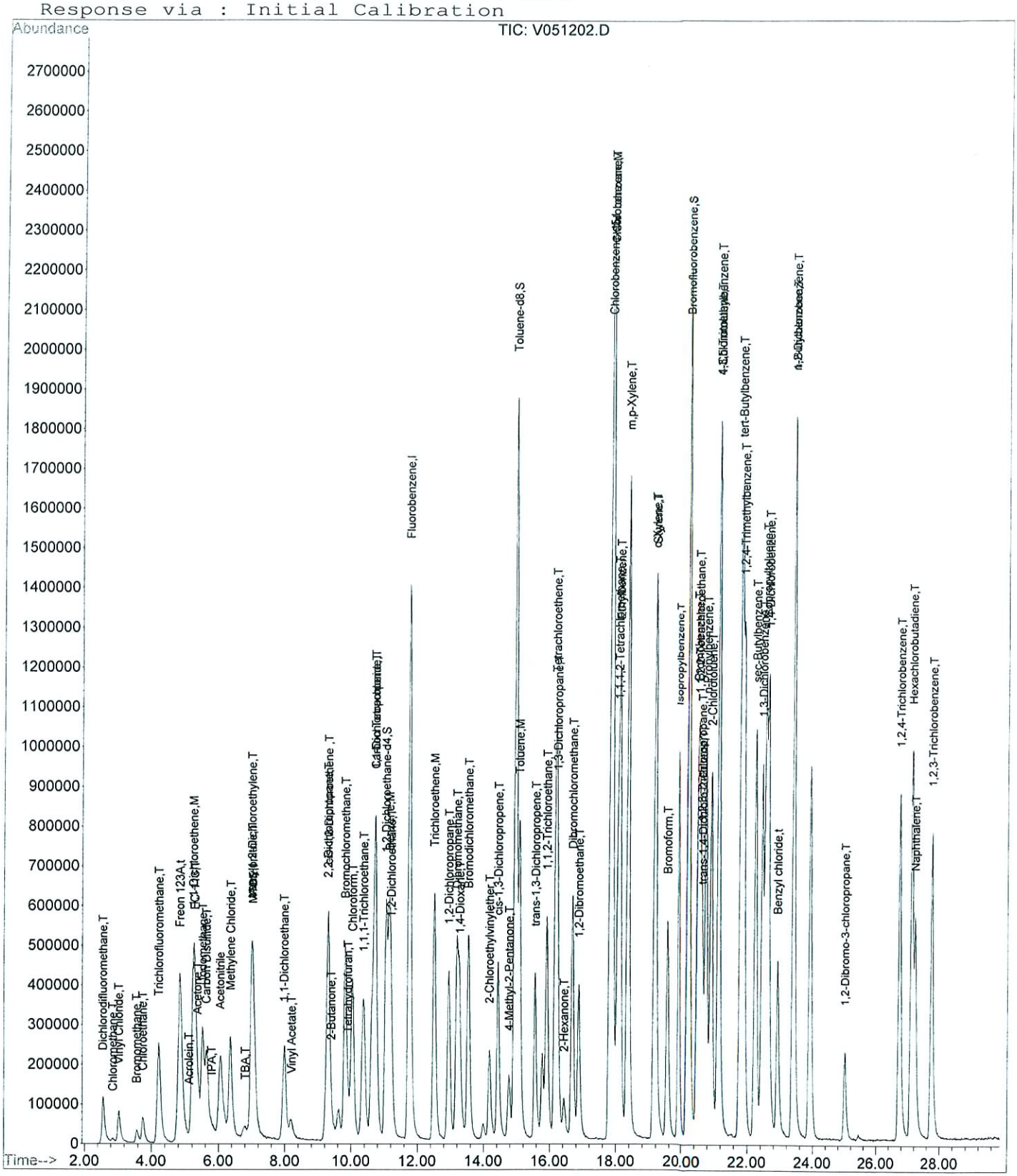
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	trans-1,3-Dichloropropene	15.55	75	739027	21.47	ug/l		99
46)	1,1,2-Trichloroethane	15.91	97	571078	20.97	ug/l		96
47)	1,2-Dibromoethane	16.87	107	882551	20.94	ug/l		96
48)	Bromoform	19.54	173	831554	20.60	ug/l		98
50)	4-Methyl-2-Pentanone	14.77	58	150457	22.02	ug/l	#	82
51)	2-Hexanone	16.42	58	127111	19.79	ug/l		94
52)	Tetrachloroethene	16.16	166	1013490	18.39	ug/l		97
53)	1,1,1,2-Tetrachloroethane	18.04	131	766321	20.53	ug/l		99
55)	Toluene	15.06	91	1701554	20.34	ug/l		99
56)	Chlorobenzene	17.87	112	1335519	20.33	ug/l		97
57)	1-Chlorohexane	17.87	93	242721	21.11	ug/l		97
58)	Ethylbenzene	18.10	91	2059609	20.46	ug/l		99
60)	Styrene	19.17	104	1312192	20.48	ug/l		94
61)	m,p-Xylene	18.35	91	3313321	40.41	ug/l		99
62)	o-Xylene	19.14	91	1735312	19.86	ug/l		98
63)	1,2,3-Trichloropropane	20.61	75	812254	22.98	ug/l		94
64)	Isopropylbenzene	19.90	105	2297425	19.51	ug/l		96
65)	Bromobenzene	20.49	77	1517825	21.23	ug/l		95
66)	trans-1,4-Dichloro-2-Buten	20.64	89	93616	23.90	ug/l		100
67)	n-Propylbenzene	20.74	91	2544389	19.78	ug/l		98
68)	1,1,2,2-Tetrachloroethane	20.52	83	871565	21.92	ug/l		96
69)	2-Chlorotoluene	20.90	91	1886860	20.25	ug/l		97
70)	4-Chlorotoluene	21.12	91	1967538	19.97	ug/l		97
71)	1,3,5-Trimethylbenzene	21.11	105	1911706	19.97	ug/l		98
72)	tert-Butylbenzene	21.78	119	2358020	19.69	ug/l		99
73)	1,2,4-Trimethylbenzene	21.87	105	1912627	20.40	ug/l		95
74)	sec-Butylbenzene	22.23	105	2596648	19.15	ug/l		99
75)	1,3-Dichlorobenzene	22.43	146	1268657	19.92	ug/l		98
76)	4-Isopropyltoluene	22.54	119	2136410	19.60	ug/l		98
77)	1,4-Dichlorobenzene	22.62	146	1368387	20.53	ug/l		98
78)	1,2-Dichlorobenzene	23.38	146	1249441	20.52	ug/l		98
79)	Benzyl chloride	22.91	91	1086338	24.86	ug/l		99
80)	n-Butylbenzene	23.38	91	1929272	20.00	ug/l		94
81)	1,2-Dibromo-3-chloropropan	25.00	75	183324	21.67	ug/l		84
82)	Hexachlorobutadiene	27.11	225	749708	19.01	ug/l		97
83)	1,2,4-Trichlorobenzene	26.73	180	982164	20.82	ug/l		98
84)	Naphthalene	27.23	128	1271892	20.32	ug/l		99
85)	1,2,3-Trichlorobenzene	27.74	180	836692	21.04	ug/l		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : X:\MSD\051211.B\V051202.D Vial: 2
Acq On : 12 May 2011 10:21 am Operator: EA
Sample : CCV Inst : MSD
Misc : VSTD020 MW041211 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 12 12:23 2011 Quant Results File: 82600414.RES

Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration

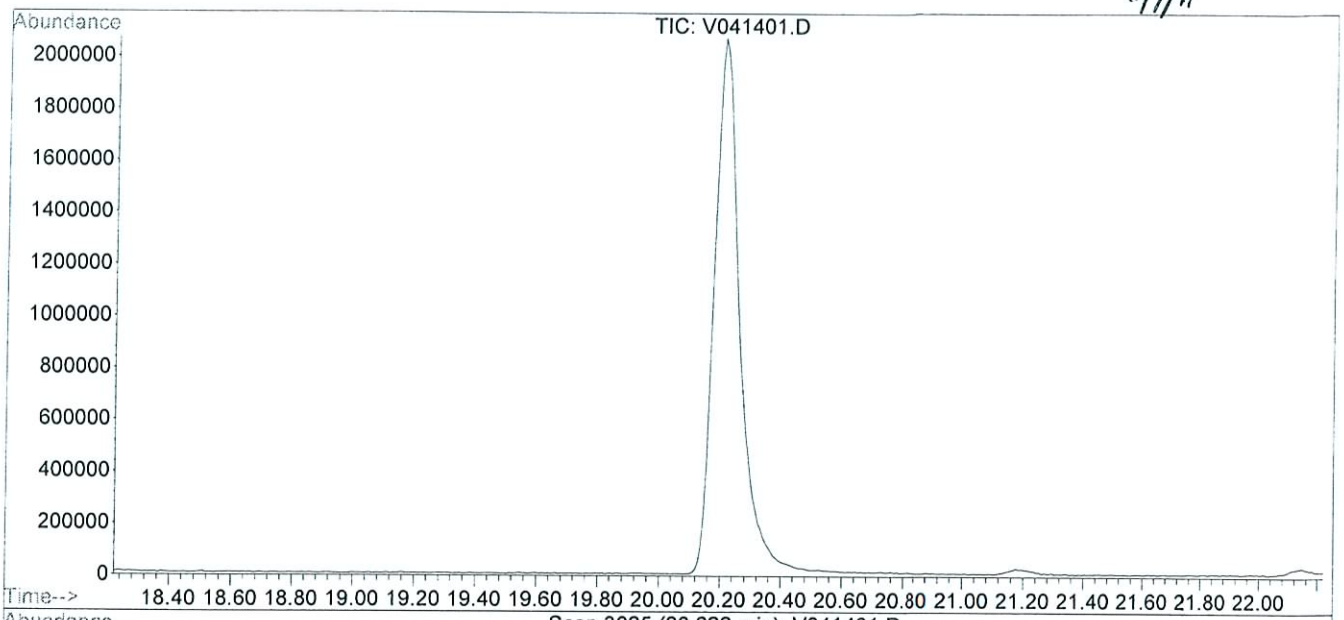


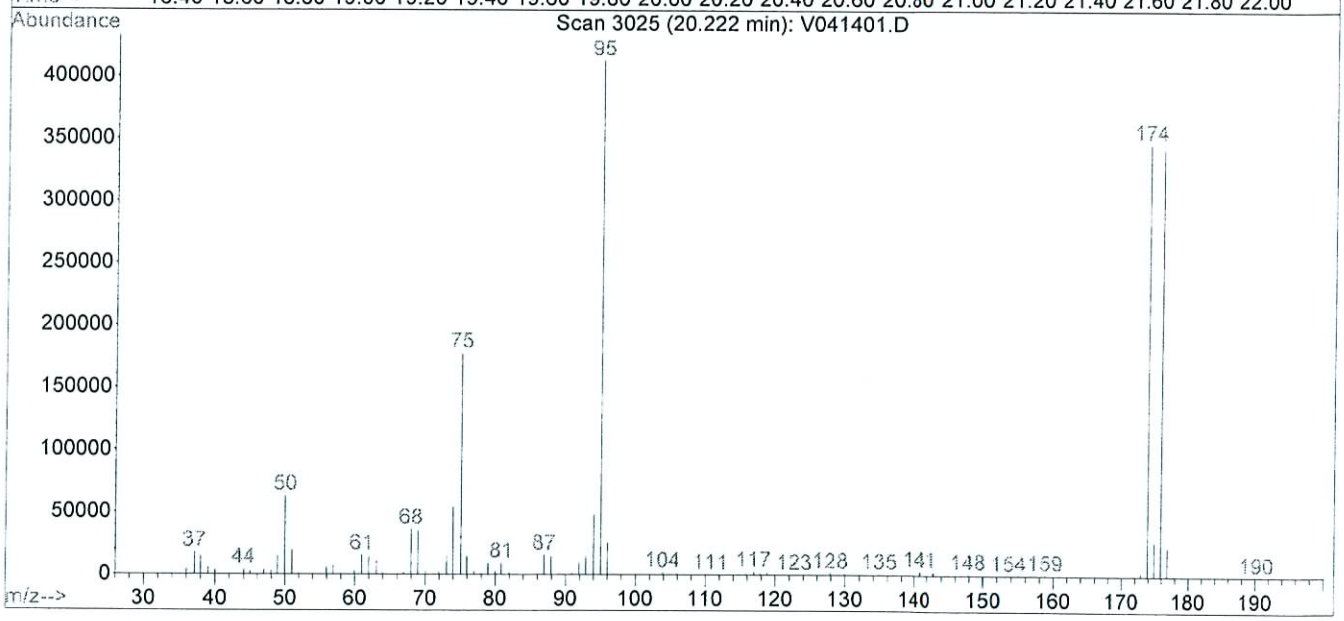
Volatile Data
Raw QC Data

CLPBFB

Data File : X:\MSD\041411.B\V041401.D
Acq On : 14 Apr 2011 11:12 am
Sample : BFB
Misc : BFB
MS Integration Params: rteint.p
Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.

Vial: 1
Operator: EA
Inst : MSD
Multiplr: 1.00





Spectrum Information: Scan 3025

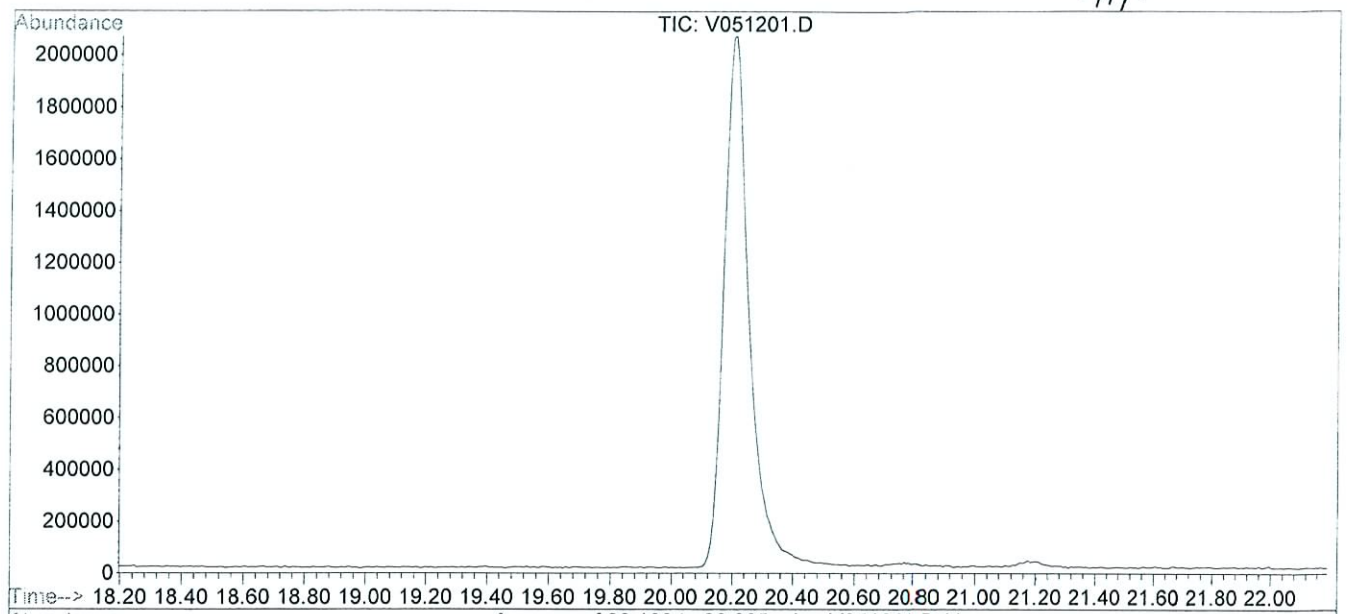
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.3	63056	PASS
75	95	30	60	42.9	177344	PASS
95	95	100	100	100.0	412928	PASS
96	95	5	9	6.3	25848	PASS
173	174	0.00	2	0.7	2535	PASS
174	95	50	100	83.9	346368	PASS
175	174	5	9	8.0	27608	PASS
176	174	95	101	99.0	342912	PASS
177	176	5	9	6.7	23088	PASS

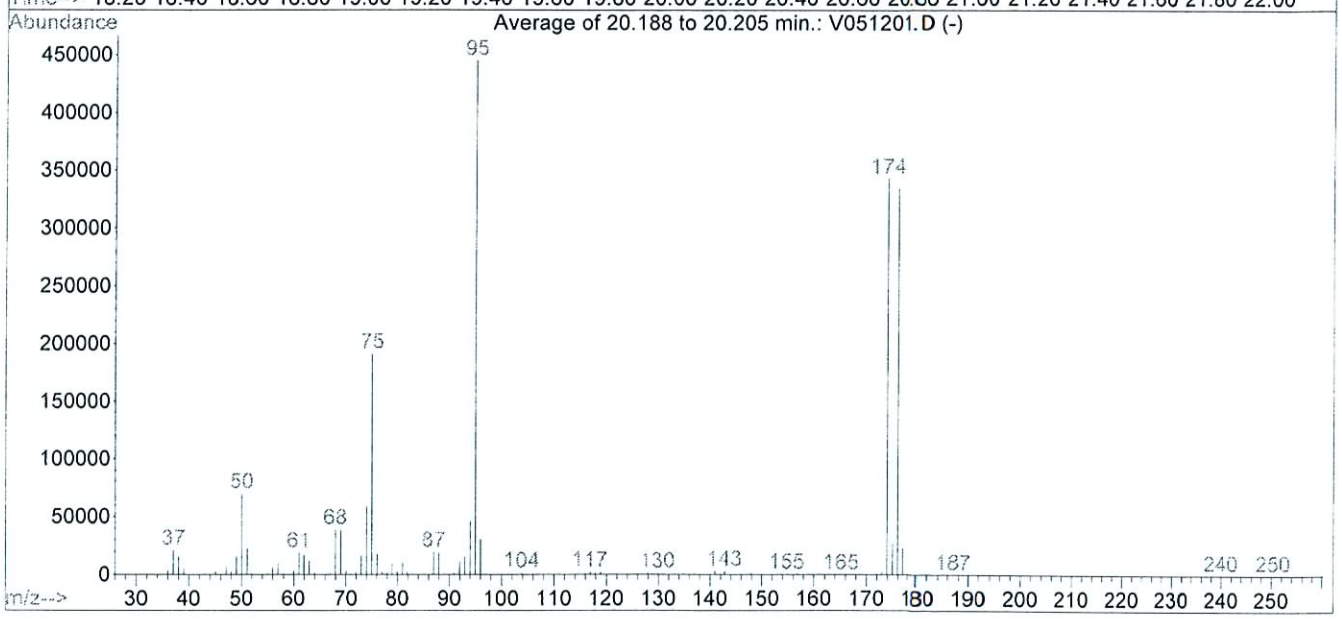
V041401.D 82600414.M Wed Jun 01 12:47:38 2011 GCVOA

CLPBFB

Data File : X:\MSD\051211.B\V051201.D
Acq On : 12 May 2011 9:46 am
Sample : BFB
Misc : BFB
MS Integration Params: rteint.p
Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.

Vial: 1
Operator: EA
Inst : MSD
Multiplr: 1.00





AutoFind: Scans 3013, 3014, 3015; Background Corrected with Scan 3000

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.8	70149	PASS
75	95	30	60	43.0	191509	PASS
95	95	100	100	100.0	444977	PASS
96	95	5	9	6.9	30605	PASS
173	174	0.00	2	0.7	2503	PASS
174	95	50	100	77.0	342848	PASS
175	174	5	9	7.9	27077	PASS
176	174	95	101	97.5	334400	PASS
177	176	5	9	6.8	22720	PASS

V051201.D 82600414.M Wed Jun 01 12:36:06 2011 GCVOA

ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	MB 420-46954/2	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	MB 420-46954/2
Analysis Method:	8260B	Lab File ID:	V051205.D
Sample wt/vol:	5 (mL)	Date Received:	
Level: (low/med)	Low	Date Analyzed:	05/12/2011 12:09
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	1.0
75-34-3	1,1-Dichloroethane	1.0	U	1.0	1.0
75-35-4	1,1-Dichloroethene	1.0	U	1.0	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	5.0
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	1.0
107-06-2	1,2-Dichloroethane	1.0	U	1.0	1.0
78-87-5	1,2-Dichloropropane	1.0	U	1.0	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	1.0
591-78-6	2-Hexanone	1.0	U	1.0	1.0
67-64-1	Acetone	1.0	U	1.0	1.0
71-43-2	Benzene	1.0	U	1.0	1.0
75-25-2	Bromoform	1.0	U	1.0	1.0
74-83-9	Bromomethane	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	1.0	U	1.0	1.0
56-23-5	Carbon tetrachloride	1.0	U	1.0	1.0
108-90-7	Chlorobenzene	1.0	U	1.0	1.0
124-48-1	Dibromochloromethane	1.0	U	1.0	1.0
75-00-3	Chloroethane	1.0	U	1.0	1.0
67-66-3	Chloroform	1.0	U	1.0	1.0
74-87-3	Chloromethane	1.0	U	1.0	1.0
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	1.0
100-41-4	Ethylbenzene	1.0	U	1.0	1.0
98-82-8	Isopropylbenzene	1.0	U	1.0	1.0
78-93-3	2-Butanone (MEK)	1.0	U	1.0	1.0

FORM I 8260B

ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	MB 420-46954/2	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	MB 420-46954/2
Analysis Method:	8260B	Lab File ID:	V051205.D
Sample wt/vol:	5 (mL)	Date Received:	
Level: (low/med)	Low	Date Analyzed:	05/12/2011 12:09
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	RL
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	1.0
75-09-2	Methylene Chloride	1.0	U	1.0	1.0
100-42-5	Styrene	1.0	U	1.0	1.0
1330-20-7	Xylenes, Total	1.0	U	1.0	1.0
75-01-4	Vinyl chloride	1.0	U	1.0	1.0
75-69-4	Trichlorofluoromethane	1.0	U	1.0	1.0
79-01-6	Trichloroethene	1.0	U	1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	1.0
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	1.0
108-88-3	Toluene	1.0	U	1.0	1.0
127-18-4	Tetrachloroethene	1.0	U	1.0	1.0
106-93-4	1,2-Dibromoethane	1.0	U	1.0	1.0

Quantitation Report (QT Reviewed)

Data File : P:\MSD\051211.B\V051205.D
Acq On : 12 May 2011 12:09 pm
Sample : MB BT=V051211A
Misc : MB
MS Integration Params: rteint.p
Quant Time: May 12 14:25 2011

Vial: 5
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.76	96	4275963	50.00	ug/l	0.00
49) Chlorobenzene-d5	17.81	117	3364631	50.00	ug/l	0.00
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	11.06	65	1251583	56.53	ug/l	0.02
Spiked Amount 50.000	Range 86 - 117		Recovery = 113.06%			
54) Toluene-d8	14.94	98	4118565	57.03	ug/l	0.00
Spiked Amount 50.000	Range 93 - 107		Recovery = 114.06%#			
59) Bromofluorobenzene	20.20	95	2574920	51.11	ug/l	0.00
Spiked Amount 50.000	Range 89 - 105		Recovery = 102.22%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

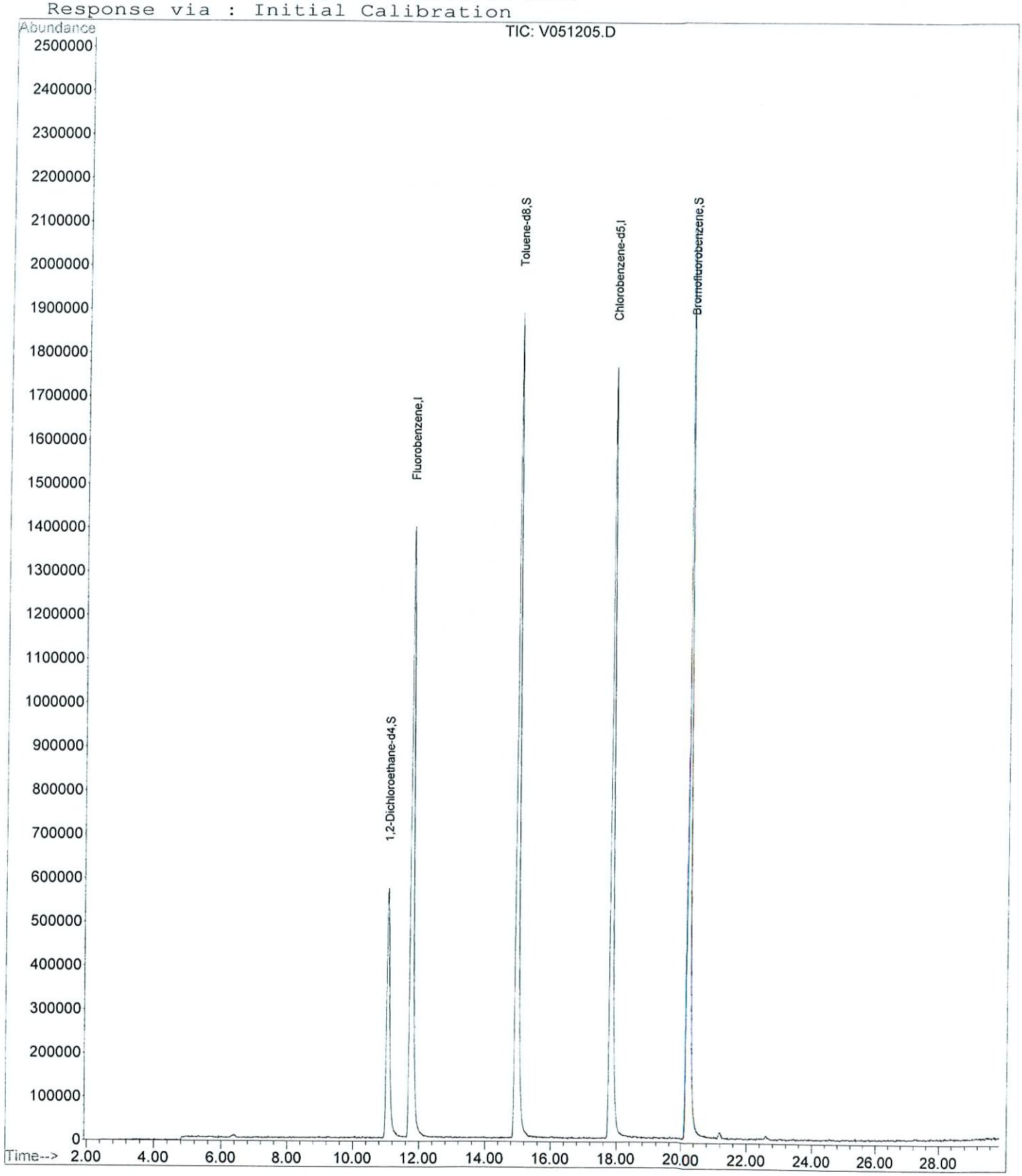
Quantitation Report

Data File : P:\MSD\051211.B\V051205.D
Acq On : 12 May 2011 12:09 pm
Sample : MB BT=V051211A
Misc : MB
MS Integration Params: rteint.p
Quant Time: May 12 14:25 2011

Vial: 5
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Method : P:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration



ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	LCS 420-46954/1	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	LCS 420-46954/1
Analysis Method:	8260B	Lab File ID:	V051203.D
Sample wt/vol:	5 (mL)	Date Received:	
Level: (low/med)	Low	Date Analyzed:	05/12/2011 10:57
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	19.0		1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	21.5		1.0	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	17.5		1.0	1.0
79-00-5	1,1,2-Trichloroethane	20.1		1.0	1.0
75-34-3	1,1-Dichloroethane	20.5		1.0	1.0
75-35-4	1,1-Dichloroethene	19.3		1.0	1.0
120-82-1	1,2,4-Trichlorobenzene	20.7		1.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	20.8		5.0	5.0
95-50-1	1,2-Dichlorobenzene	20.2		1.0	1.0
107-06-2	1,2-Dichloroethane	19.8		1.0	1.0
78-87-5	1,2-Dichloropropane	20.2		1.0	1.0
541-73-1	1,3-Dichlorobenzene	19.6		1.0	1.0
106-46-7	1,4-Dichlorobenzene	19.7		1.0	1.0
591-78-6	2-Hexanone	22.3		1.0	1.0
67-64-1	Acetone	23.7		1.0	1.0
71-43-2	Benzene	19.7		1.0	1.0
75-25-2	Bromoform	19.6		1.0	1.0
74-83-9	Bromomethane	24.5		1.0	1.0
75-15-0	Carbon disulfide	16.5		1.0	1.0
56-23-5	Carbon tetrachloride	18.7		1.0	1.0
108-90-7	Chlorobenzene	19.6		1.0	1.0
124-48-1	Dibromochloromethane	20.8		1.0	1.0
75-00-3	Chloroethane	20.4		1.0	1.0
67-66-3	Chloroform	19.7		1.0	1.0
74-87-3	Chloromethane	18.1		1.0	1.0
156-59-2	cis-1,2-Dichloroethene	19.7		1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	20.6		1.0	1.0
75-27-4	Bromodichloromethane	21.4		1.0	1.0
75-71-8	Dichlorodifluoromethane	15.4		1.0	1.0
100-41-4	Ethylbenzene	19.5		1.0	1.0
98-82-8	Isopropylbenzene	18.9		1.0	1.0
78-93-3	2-Butanone (MEK)	23.7		1.0	1.0

FORM I 8260B

ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	LCS 420-46954/1	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	LCS 420-46954/1
Analysis Method:	8260B	Lab File ID:	V051203.D
Sample wt/vol:	5 (mL)	Date Received:	
Level: (low/med)	Low	Date Analyzed:	05/12/2011 10:57
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	RL
108-10-1	4-Methyl-2-pentanone (MIBK)	23.9		1.0	1.0
1634-04-4	Methyl tert-butyl ether	20.4		1.0	1.0
75-09-2	Methylene Chloride	19.6		1.0	1.0
100-42-5	Styrene	20.0		1.0	1.0
75-01-4	Vinyl chloride	18.6		1.0	1.0
75-69-4	Trichlorofluoromethane	18.5		1.0	1.0
79-01-6	Trichloroethene	19.9		1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	20.9		1.0	1.0
156-60-5	trans-1,2-Dichloroethene	20.2		1.0	1.0
108-88-3	Toluene	19.6		1.0	1.0
127-18-4	Tetrachloroethene	18.7		1.0	1.0
106-93-4	1,2-Dibromoethane	20.3		1.0	1.0

Quantitation Report (QT Reviewed)

Data File : X:\MSD\051211.B\V051203.D
Acq On : 12 May 2011 10:57 am
Sample : LCS BT=V051211A
Misc : VSTD020 MW041211
MS Integration Params: rteint.p
Quant Time: May 12 12:22 2011

Vial: 3
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

EA 6/1/11

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.74	96	4402723	50.00	ug/l	-0.02
49) Chlorobenzene-d5	17.81	117	3538081	50.00	ug/l	0.00
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	11.05	65	1321853	57.99	ug/l	0.00
Spiked Amount 50.000	Range 86 - 117		Recovery =	115.98%		
54) Toluene-d8	14.94	98	4325501	56.96	ug/l	0.00
Spiked Amount 50.000	Range 93 - 107		Recovery =	113.92%#		
59) Bromofluorobenzene	20.20	95	2851321	53.82	ug/l	0.00
Spiked Amount 50.000	Range 89 - 105		Recovery =	107.64%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.56	85	461773m	15.36	ug/l	
3) Chloromethane	2.91	50	59031m	18.14	ug/l	
4) Bromomethane	3.59	94	95084m	24.51	ug/l	
5) Vinyl Chloride	3.03	62	310261	18.63	ug/l	97
6) Chloroethane	3.74	64	206755	20.41	ug/l	96
7) Trichlorofluoromethane	4.21	101	797637	18.53	ug/l	89
8) Freon 123A	4.85	67	752710	20.94	ug/l	99
9) FC-113	5.28	101	438461	17.48	ug/l	90
10) Acetone	5.38	43	95405m	23.66	ug/l	
11) Acrolein	5.03	56	41405	48.70	ug/l #	1
12) Iodomethane	5.52	142	1164145	19.18	ug/l	97
13) Carbon Disulfide	5.63	76	880815	16.51	ug/l	100
14) Acetonitrile	6.04	41	601057	21.01	ug/l	98
15) Methylene Chloride	6.36	84	443435	19.61	ug/l	86
16) IPA	5.78	45	104085m	221.59	ug/l	
17) TBA	6.80	59	185591m	232.37	ug/l	
18) Acrylonitrile	7.00	53	86986m	23.55	ug/l	
19) MTBE	7.04	73	973981	20.35	ug/l	98
20) 1,1-Dichloroethene	5.21	61	577768	19.26	ug/l	95
21) 1,1-Dichloroethane	7.98	63	843989	20.46	ug/l	96
22) Vinyl Acetate	8.17	43	589574	20.76	ug/l	71
23) 2,2-Dichloropropane	9.27	77	626691	18.16	ug/l	92
24) trans-1,2-Dichloroethylene	7.00	61	653198	20.20	ug/l	98
25) cis-1,2-Dichloroethene	9.29	61	721975	19.73	ug/l	86
26) Tetrahydrofuran	9.94	42	95022	20.77	ug/l	88
27) Chloroform	10.04	83	1018433	19.75	ug/l	98
28) 1,1-Dichloropropene	10.73	75	709172	19.53	ug/l	98
30) 1,2-Dichloroethane	11.20	62	561324	19.84	ug/l	91
31) 2-Butanone	9.39	43	130372	23.68	ug/l	95
32) Bromochloromethane	9.82	130	508155	19.91	ug/l	99
33) 1,1,1-Trichloroethane	10.36	97	849479	18.97	ug/l	97
34) Carbon Tetrachloride	10.70	117	834146	18.66	ug/l	98
35) Dibromomethane	13.19	174	634645	19.71	ug/l	89
36) 1,4-Dioxane	13.27	88	23222m	104.81	ug/l	
37) Bromodichloromethane	13.53	83	1069999	21.37	ug/l	93
38) 1,2-Dichloropropane	12.96	63	554714	20.25	ug/l	94
39) 2-Chloroethylvinylether	14.17	63	317379	23.10	ug/l	97
40) cis-1,3-Dichloropropene	14.43	75	829630	20.57	ug/l	98
41) Trichloroethene	12.51	95	723219	19.90	ug/l	98
42) Benzene	11.14	78	1390563	19.73	ug/l	100
43) 1,3-Dichloropropane	16.22	76	828459	20.59	ug/l	96
44) Dibromochloromethane	16.67	129	1065166	20.78	ug/l	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : X:\MSD\051211.B\V051203.D
Acq On : 12 May 2011 10:57 am
Sample : LCS BT=V051211A
Misc : VSTD020 MW041211
MS Integration Params: rteint.p
Quant Time: May 12 12:22 2011

Vial: 3
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
45) trans-1,3-Dichloropropene	15.55	75	733827	20.89 ug/l		95
46) 1,1,2-Trichloroethane	15.90	97	558418	20.10 ug/l		99
47) 1,2-Dibromoethane	16.88	107	872288	20.29 ug/l		98
48) Bromoform	19.53	173	807417	19.60 ug/l		94
50) 4-Methyl-2-Pentanone	14.77	58	169368	23.93 ug/l		93
51) 2-Hexanone	16.44	58	150778	22.26 ug/l	#	70
52) Tetrachloroethene	16.16	166	1066826	18.69 ug/l		98
53) 1,1,1,2-Tetrachloroethane	18.04	131	748040	19.35 ug/l		98
55) Toluene	15.07	91	1694907	19.56 ug/l		99
56) Chlorobenzene	17.86	112	1335938	19.64 ug/l		94
57) 1-Chlorohexane	17.86	93	253401	21.28 ug/l		96
58) Ethylbenzene	18.10	91	2031660	19.49 ug/l		98
60) Styrene	19.17	104	1324744	19.96 ug/l		99
61) m,p-Xylene	18.35	91	3340459	39.34 ug/l		98
62) o-Xylene	19.15	91	1781278	19.69 ug/l		92
63) 1,2,3-Trichloropropane	20.60	75	767944	20.98 ug/l		96
64) Isopropylbenzene	19.89	105	2304217	18.90 ug/l		97
65) Bromobenzene	20.48	77	1504545	20.32 ug/l		96
66) trans-1,4-Dichloro-2-Buten	20.65	89	81236	20.03 ug/l		100
67) n-Propylbenzene	20.74	91	2617523	19.65 ug/l		98
68) 1,1,2,2-Tetrachloroethane	20.53	83	886706	21.53 ug/l		99
69) 2-Chlorotoluene	20.89	91	1885835	19.55 ug/l		94
70) 4-Chlorotoluene	21.12	91	1978251	19.39 ug/l		98
71) 1,3,5-Trimethylbenzene	21.12	105	1934601	19.52 ug/l		98
72) tert-Butylbenzene	21.77	119	2400546	19.36 ug/l		97
73) 1,2,4-Trimethylbenzene	21.88	105	1911646	19.69 ug/l		100
74) sec-Butylbenzene	22.22	105	2686875	19.13 ug/l		100
75) 1,3-Dichlorobenzene	22.43	146	1296008	19.65 ug/l		98
76) 4-Isopropyltoluene	22.54	119	2206627	19.55 ug/l		99
77) 1,4-Dichlorobenzene	22.63	146	1357833	19.67 ug/l		92
78) 1,2-Dichlorobenzene	23.38	146	1270793	20.15 ug/l		99
79) Benzyl chloride	22.91	91	1073674	23.73 ug/l		100
80) n-Butylbenzene	23.39	91	1955705	19.57 ug/l		96
81) 1,2-Dibromo-3-chloropropan	25.00	75	182162	20.79 ug/l		90
82) Hexachlorobutadiene	27.12	225	749528	18.36 ug/l		96
83) 1,2,4-Trichlorobenzene	26.73	180	1013438	20.74 ug/l		94
84) Naphthalene	27.22	128	1381700	21.20 ug/l		96
85) 1,2,3-Trichlorobenzene	27.74	180	866905	21.05 ug/l		97

(#) = qualifier out of range (m) = manual integration

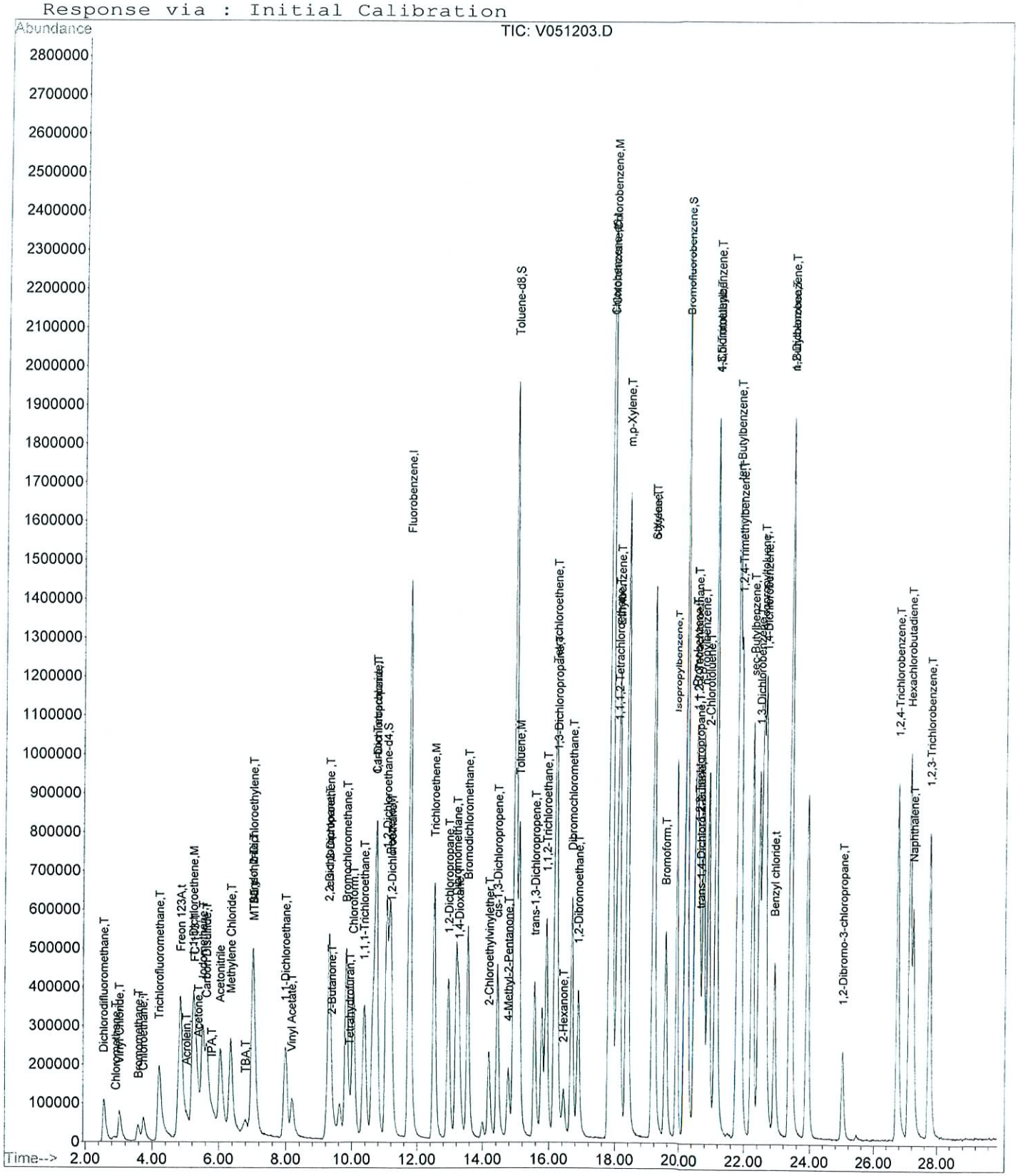
Quantitation Report

Data File : X:\MSD\051211.B\V051203.D
Acq On : 12 May 2011 10:57 am
Sample : LCS BT=V051211A
Misc : VSTD020 MW041211
MS Integration Params: rteint.p
Quant Time: May 12 12:22 2011

Vial: 3
Operator: EA
Inst : MSD
Multiplr: 1.00

Quant Results File: 82600414.RES

Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Wed Jun 01 12:36:26 2011
Response via : Initial Calibration



ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	MW4S MS	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-3 MS
Analysis Method:	8260B	Lab File ID:	V051212.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 16:37
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	19.6		1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	19.9		1.0	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	24.4		1.0	1.0
79-00-5	1,1,2-Trichloroethane	19.0		1.0	1.0
75-34-3	1,1-Dichloroethane	20.1		1.0	1.0
75-35-4	1,1-Dichloroethene	21.0		1.0	1.0
120-82-1	1,2,4-Trichlorobenzene	19.4		1.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		5.0	5.0
95-50-1	1,2-Dichlorobenzene	19.2		1.0	1.0
107-06-2	1,2-Dichloroethane	18.5		1.0	1.0
78-87-5	1,2-Dichloropropane	19.4		1.0	1.0
541-73-1	1,3-Dichlorobenzene	19.6		1.0	1.0
106-46-7	1,4-Dichlorobenzene	19.4		1.0	1.0
591-78-6	2-Hexanone	20.6		1.0	1.0
67-64-1	Acetone	20.5		1.0	1.0
71-43-2	Benzene	18.9		1.0	1.0
75-25-2	Bromoform	18.5		1.0	1.0
74-83-9	Bromomethane	25.4		1.0	1.0
75-15-0	Carbon disulfide	17.4		1.0	1.0
56-23-5	Carbon tetrachloride	19.8		1.0	1.0
108-90-7	Chlorobenzene	19.2		1.0	1.0
124-48-1	Dibromochloromethane	19.7		1.0	1.0
75-00-3	Chloroethane	18.3		1.0	1.0
67-66-3	Chloroform	19.2		1.0	1.0
74-87-3	Chloromethane	20.1		1.0	1.0
156-59-2	cis-1,2-Dichloroethene	22.1		1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	19.3		1.0	1.0
75-27-4	Bromodichloromethane	20.4		1.0	1.0
75-71-8	Dichlorodifluoromethane	16.3		1.0	1.0
100-41-4	Ethylbenzene	19.9		1.0	1.0
98-82-8	Isopropylbenzene	19.6		1.0	1.0
78-93-3	2-Butanone (MEK)	22.6		1.0	1.0

FORM I 8260B

ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	MW4S MS	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-3 MS
Analysis Method:	8260B	Lab File ID:	V051212.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 16:37
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	RL
108-10-1	4-Methyl-2-pentanone (MIBK)	22.1		1.0	1.0
1634-04-4	Methyl tert-butyl ether	19.4		1.0	1.0
75-09-2	Methylene Chloride	19.7		1.0	1.0
100-42-5	Styrene	19.5		1.0	1.0
75-01-4	Vinyl chloride	19.3		1.0	1.0
75-69-4	Trichlorofluoromethane	19.5		1.0	1.0
79-01-6	Trichloroethene	19.3		1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	19.5		1.0	1.0
156-60-5	trans-1,2-Dichloroethene	20.6		1.0	1.0
108-88-3	Toluene	19.6		1.0	1.0
127-18-4	Tetrachloroethene	17.6		1.0	1.0
106-93-4	1,2-Dibromoethane	19.1		1.0	1.0

Quantitation Report (QT Reviewed)

Data File : P:\MSD\051211.B\V051212.D Vial: 12
Acq On : 12 May 2011 4:37 pm Operator: EA
Sample : 43563-A-3MS DF=1 LM=8260B BT=V051211A Inst : MSD
Misc : MW4S Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 13 11:23 2011 Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	11.75	96	3935889	50.00	ug/l	0.00
49) Chlorobenzene-d5	17.81	117	3185477	50.00	ug/l	0.00
System Monitoring Compounds						
29) 1,2-Dichloroethane-d4	11.06	65	1163877	57.12	ug/l	0.02
Spiked Amount 50.000	Range 86 - 117		Recovery = 114.24%			
54) Toluene-d8	14.95	98	3929554	57.48	ug/l	0.00
Spiked Amount 50.000	Range 93 - 107		Recovery = 114.96%#			
59) Bromofluorobenzene	20.21	95	2558476	53.64	ug/l	0.00
Spiked Amount 50.000	Range 89 - 105		Recovery = 107.28%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.56	85	439065	16.34	ug/l	91
3) Chloromethane	2.88	50	58395	20.08	ug/l	98
4) Bromomethane	3.56	94	88257	25.44	ug/l	99
5) Vinyl Chloride	3.03	62	287366	19.31	ug/l	94
6) Chloroethane	3.73	64	165610	18.29	ug/l	91
7) Trichlorofluoromethane	4.20	101	752103	19.55	ug/l	98
8) Freon 123A	4.85	67	720639m	22.43	ug/l	
9) FC-113	5.26	101	535245	24.39	ug/l	93
10) Acetone	5.39	43	74079	20.55	ug/l	89
11) Acrolein	5.03	56	48921m	59.13	ug/l	
12) Iodomethane	5.52	142	996599	18.37	ug/l	96
13) Carbon Disulfide	5.65	76	828251	17.36	ug/l	100
14) Acetonitrile	6.05	41	542759	21.22	ug/l #	90
15) Methylene Chloride	6.36	84	397992	19.69	ug/l	94
16) IPA	5.85	45	101763m	237.76	ug/l	
17) TBA	6.81	59	151327	214.08	ug/l	98
18) Acrylonitrile	6.98	53	65616m	19.87	ug/l	
19) MTBE	7.07	73	830022	19.40	ug/l	99
20) 1,1-Dichloroethene	5.22	61	564026	21.03	ug/l	94
21) 1,1-Dichloroethane	7.98	63	741379	20.11	ug/l	93
22) Vinyl Acetate	8.20	43	692428m	26.16	ug/l	
23) 2,2-Dichloropropane	9.28	77	639807	20.74	ug/l	98
24) trans-1,2-Dichloroethylene	7.00	61	595350	20.59	ug/l	98
25) cis-1,2-Dichloroethene	9.30	61	723352	22.11	ug/l	95
26) Tetrahydrofuran	9.94	42	76744	18.79	ug/l	89
27) Chloroform	10.05	83	884698	19.19	ug/l	94
28) 1,1-Dichloropropene	10.73	75	657286	20.25	ug/l	98
30) 1,2-Dichloroethane	11.21	62	468541	18.52	ug/l	98
31) 2-Butanone	9.40	43	111056	22.56	ug/l	94
32) Bromochloromethane	9.82	130	441258	19.34	ug/l	97
33) 1,1,1-Trichloroethane	10.37	97	783908	19.59	ug/l	100
34) Carbon Tetrachloride	10.73	117	792425	19.83	ug/l	92
35) Dibromomethane	13.19	174	542562	18.84	ug/l	94
36) 1,4-Dioxane	13.32	88	16045m	83.27	ug/l	
37) Bromodichloromethane	13.55	83	911310	20.36	ug/l	98
38) 1,2-Dichloropropane	12.96	63	475510	19.42	ug/l	90
40) cis-1,3-Dichloropropene	14.45	75	696926	19.33	ug/l	98
41) Trichloroethene	12.52	95	628643	19.35	ug/l	96
42) Benzene	11.16	78	1192682	18.93	ug/l	100
43) 1,3-Dichloropropane	16.24	76	704071	19.57	ug/l	94
44) Dibromochloromethane	16.68	129	904746	19.75	ug/l	98
45) trans-1,3-Dichloropropene	15.56	75	613417	19.54	ug/l	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : P:\MSD\051211.B\V051212.D Vial: 12
Acq On : 12 May 2011 4:37 pm Operator: EA
Sample : 43563-A-3MS DF=1 LM=8260B BT=V051211A Inst : MSD
Misc : MW4S Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 13 11:23 2011 Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

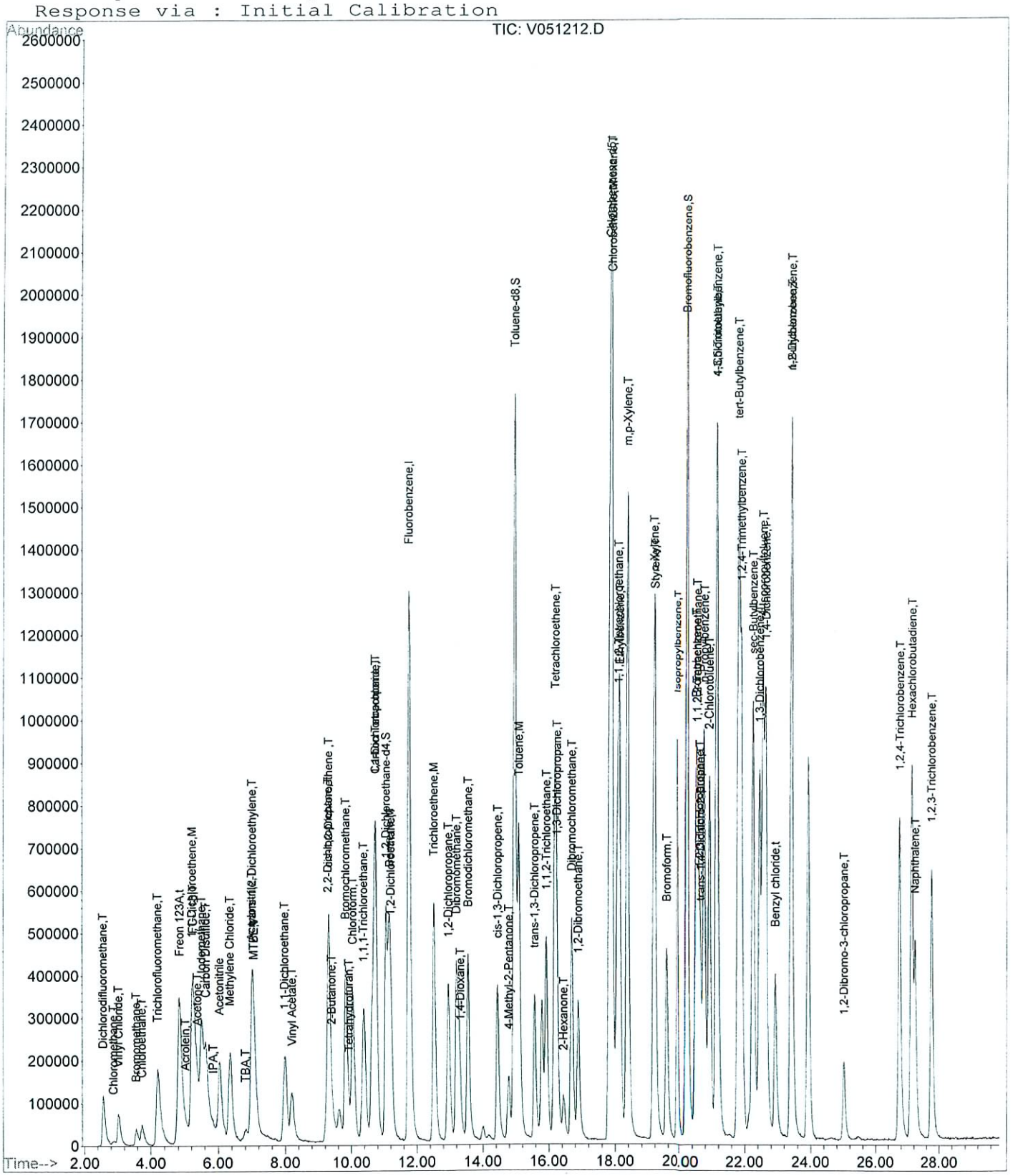
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	1,1,2-Trichloroethane	15.91	97	471551	18.99 ug/l		98
47)	1,2-Dibromoethane	16.89	107	735396	19.14 ug/l		97
48)	Bromoform	19.55	173	681407	18.51 ug/l		95
50)	4-Methyl-2-Pentanone	14.77	58	140694	22.08 ug/l	#	82
51)	2-Hexanone	16.45	58	123988	20.57 ug/l		87
52)	Tetrachloroethene	16.18	166	906174	17.63 ug/l		96
53)	1,1,1,2-Tetrachloroethane	18.07	131	653084	18.76 ug/l		95
55)	Toluene	15.08	91	1527362	19.58 ug/l		98
56)	Chlorobenzene	17.88	112	1175382	19.19 ug/l		93
57)	1-Chlorohexane	17.87	93	226935	21.17 ug/l		83
58)	Ethylbenzene	18.13	91	1870031	19.92 ug/l		97
60)	Styrene	19.19	104	1164826	19.50 ug/l		94
61)	m,p-Xylene	18.35	91	3056452	39.98 ug/l		99
62)	o-Xylene	19.15	91	1589567	19.51 ug/l		96
63)	1,2,3-Trichloropropane	20.63	75	677353	20.55 ug/l		88
64)	Isopropylbenzene	19.92	105	2154730	19.63 ug/l		99
65)	Bromobenzene	20.50	77	1324271	19.87 ug/l		96
66)	trans-1,4-Dichloro-2-Buten	20.65	89	86990	23.82 ug/l		100
67)	n-Propylbenzene	20.75	91	2394624	19.96 ug/l		98
68)	1,1,2,2-Tetrachloroethane	20.54	83	736364	19.86 ug/l		96
69)	2-Chlorotoluene	20.90	91	1709718	19.68 ug/l		95
70)	4-Chlorotoluene	21.12	91	1778637	19.36 ug/l		98
71)	1,3,5-Trimethylbenzene	21.12	105	1731438	19.40 ug/l		98
72)	tert-Butylbenzene	21.79	119	2255477	20.20 ug/l		98
73)	1,2,4-Trimethylbenzene	21.88	105	1744595	19.96 ug/l		94
74)	sec-Butylbenzene	22.24	105	2528352	20.00 ug/l		100
75)	1,3-Dichlorobenzene	22.44	146	1166635	19.65 ug/l		96
76)	4-Isopropyltoluene	22.55	119	2078480	20.45 ug/l		97
77)	1,4-Dichlorobenzene	22.63	146	1202878	19.36 ug/l		98
78)	1,2-Dichlorobenzene	23.39	146	1089929	19.20 ug/l		98
79)	Benzyl chloride	22.92	91	912853	22.40 ug/l		97
80)	n-Butylbenzene	23.39	91	1874936	20.84 ug/l		98
81)	1,2-Dibromo-3-chloropropan	25.01	75	151476	19.20 ug/l		97
82)	Hexachlorobutadiene	27.12	225	657314	17.88 ug/l		95
83)	1,2,4-Trichlorobenzene	26.74	180	854887	19.44 ug/l		99
84)	Naphthalene	27.23	128	1065561	18.51 ug/l		100
85)	1,2,3-Trichlorobenzene	27.75	180	694319	18.72 ug/l		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : P:\MSD\051211.B\V051212.D Vial: 12
Acq On : 12 May 2011 4:37 pm Operator: EA
Sample : 43563-A-3MS DF=1 LM=8260B BT=V051211A Inst : MSD
Misc : MW4S Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 13 11:23 2011 Quant Results File: 82600414.RES

Method : P:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration



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ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	MW4S MSD	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-3 MSD
Analysis Method:	8260B	Lab File ID:	V051213.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 17:13
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	19.3		1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	20.1		1.0	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20.0		1.0	1.0
79-00-5	1,1,2-Trichloroethane	19.0		1.0	1.0
75-34-3	1,1-Dichloroethane	20.3		1.0	1.0
75-35-4	1,1-Dichloroethene	19.4		1.0	1.0
120-82-1	1,2,4-Trichlorobenzene	21.2		1.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		5.0	5.0
95-50-1	1,2-Dichlorobenzene	20.0		1.0	1.0
107-06-2	1,2-Dichloroethane	18.9		1.0	1.0
78-87-5	1,2-Dichloropropane	19.5		1.0	1.0
541-73-1	1,3-Dichlorobenzene	20.0		1.0	1.0
106-46-7	1,4-Dichlorobenzene	20.6		1.0	1.0
591-78-6	2-Hexanone	20.5		1.0	1.0
67-64-1	Acetone	18.0		1.0	1.0
71-43-2	Benzene	19.5		1.0	1.0
75-25-2	Bromoform	17.8		1.0	1.0
74-83-9	Bromomethane	23.5		1.0	1.0
75-15-0	Carbon disulfide	15.9		1.0	1.0
56-23-5	Carbon tetrachloride	19.2		1.0	1.0
108-90-7	Chlorobenzene	19.7		1.0	1.0
124-48-1	Dibromochloromethane	19.2		1.0	1.0
75-00-3	Chloroethane	17.1		1.0	1.0
67-66-3	Chloroform	18.9		1.0	1.0
74-87-3	Chloromethane	23.2		1.0	1.0
156-59-2	cis-1,2-Dichloroethene	21.7		1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	19.3		1.0	1.0
75-27-4	Bromodichloromethane	20.2		1.0	1.0
75-71-8	Dichlorodifluoromethane	16.8		1.0	1.0
100-41-4	Ethylbenzene	19.8		1.0	1.0
98-82-8	Isopropylbenzene	19.8		1.0	1.0
78-93-3	2-Butanone (MEK)	20.4		1.0	1.0

FORM I 8260B

ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	MW4S MSD	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-3 MSD
Analysis Method:	8260B	Lab File ID:	V051213.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 17:13
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	RL
108-10-1	4-Methyl-2-pentanone (MIBK)	20.6		1.0	1.0
1634-04-4	Methyl tert-butyl ether	18.7		1.0	1.0
75-09-2	Methylene Chloride	19.8		1.0	1.0
100-42-5	Styrene	19.9		1.0	1.0
75-01-4	Vinyl chloride	18.7		1.0	1.0
75-69-4	Trichlorofluoromethane	18.0		1.0	1.0
79-01-6	Trichloroethene	18.9		1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	19.5		1.0	1.0
156-60-5	trans-1,2-Dichloroethene	19.8		1.0	1.0
108-88-3	Toluene	19.5		1.0	1.0
127-18-4	Tetrachloroethene	17.8		1.0	1.0
106-93-4	1,2-Dibromoethane	18.5		1.0	1.0

Quantitation Report (QT Reviewed)

Data File : P:\MSD\051211.B\V051213.D Vial: 13
Acq On : 12 May 2011 5:13 pm Operator: EA
Sample : 43563-A-3MSD DF=1 LM=8260B BT=V051211 Inst : MSD
Misc : MW4S Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 13 11:24 2011 Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

BF 6/1/11

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	11.75	96	4186773	50.00	ug/l		0.00
49) Chlorobenzene-d5	17.81	117	3291991	50.00	ug/l		0.00
System Monitoring Compounds							
29) 1,2-Dichloroethane-d4	11.04	65	1252732	57.79	ug/l		0.00
Spiked Amount 50.000	Range 86 - 117		Recovery =	115.58%			
54) Toluene-d8	14.95	98	4130257	58.46	ug/l		0.00
Spiked Amount 50.000	Range 93 - 107		Recovery =	116.92%#			
59) Bromofluorobenzene	20.21	95	2684652	54.46	ug/l		0.00
Spiked Amount 50.000	Range 89 - 105		Recovery =	108.92%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.56	85	479610	16.78	ug/l		100
3) Chloromethane	2.88	50	71712m	23.18	ug/l		
4) Bromomethane	3.56	94	86868	23.54	ug/l	#	77
5) Vinyl Chloride	3.02	62	296179	18.70	ug/l		91
6) Chloroethane	3.75	64	164882	17.12	ug/l		99
7) Trichlorofluoromethane	4.19	101	736505	18.00	ug/l		96
8) Freon 123A	4.85	67	683419	19.99	ug/l		95
9) FC-113	5.27	101	472730	20.01	ug/l		94
10) Acetone	5.37	43	69198m	18.04	ug/l		
11) Acrolein	5.04	56	45221m	53.52	ug/l		
12) Iodomethane	5.50	142	1135553	19.68	ug/l		99
13) Carbon Disulfide	5.63	76	809080	15.95	ug/l		100
14) Acetonitrile	6.04	41	568485	20.90	ug/l		98
15) Methylene Chloride	6.35	84	426581	19.84	ug/l		94
16) IPA	5.82	45	110477m	241.65	ug/l		
17) TBA	6.82	59	158761m	211.48	ug/l		
18) Acrylonitrile	6.98	53	75238m	21.42	ug/l		
19) MTBE	7.04	73	853027	18.75	ug/l	#	90
20) 1,1-Dichloroethene	5.22	61	554415	19.43	ug/l		95
21) 1,1-Dichloroethane	7.98	63	796917	20.32	ug/l		100
22) Vinyl Acetate	8.19	43	621608	22.63	ug/l		72
23) 2,2-Dichloropropane	9.30	77	614747	18.73	ug/l	#	53
24) trans-1,2-Dichloroethylene	6.99	61	608073	19.77	ug/l		99
25) cis-1,2-Dichloroethene	9.30	61	754751	21.69	ug/l		89
26) Tetrahydrofuran	9.94	42	83828m	19.29	ug/l		
27) Chloroform	10.05	83	926132	18.88	ug/l		98
28) 1,1-Dichloropropene	10.73	75	694385	20.11	ug/l		100
30) 1,2-Dichloroethane	11.21	62	509919	18.95	ug/l		98
31) 2-Butanone	9.41	43	106556	20.35	ug/l		97
32) Bromochloromethane	9.82	130	462555	19.06	ug/l		95
33) 1,1,1-Trichloroethane	10.38	97	820992	19.28	ug/l		96
34) Carbon Tetrachloride	10.72	117	818031	19.24	ug/l		96
35) Dibromomethane	13.20	174	568266	18.55	ug/l		95
36) 1,4-Dioxane	13.26	88	19847m	95.21	ug/l		
37) Bromodichloromethane	13.54	83	962312	20.21	ug/l		96
38) 1,2-Dichloropropane	12.96	63	507305	19.47	ug/l		93
40) cis-1,3-Dichloropropene	14.44	75	741071	19.32	ug/l		99
41) Trichloroethene	12.51	95	654565	18.94	ug/l		97
42) Benzene	11.15	78	1307661	19.51	ug/l		100
43) 1,3-Dichloropropane	16.23	76	740401	19.35	ug/l		95
44) Dibromochloromethane	16.68	129	934530	19.17	ug/l		100
45) trans-1,3-Dichloropropene	15.56	75	651328	19.50	ug/l		93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : P:\MSD\051211.B\V051213.D Vial: 13
Acq On : 12 May 2011 5:13 pm Operator: EA
Sample : 43563-A-3MSD DF=1 LM=8260B BT=V051211 Inst : MSD
Misc : MW4S Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: May 13 11:24 2011 Quant Results File: 82600414.RES

Quant Method : X:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration
DataAcq Meth : 82600414

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
46) 1,1,2-Trichloroethane	15.91	97	502633	19.03	ug/l	95
47) 1,2-Dibromoethane	16.88	107	756246	18.50	ug/l	94
48) Bromoform	19.54	173	695886	17.77	ug/l	93
50) 4-Methyl-2-Pentanone	14.76	58	135383	20.56	ug/l	98
51) 2-Hexanone	16.44	58	127972	20.55	ug/l	90
52) Tetrachloroethene	16.18	166	945976	17.81	ug/l	97
53) 1,1,1,2-Tetrachloroethane	18.06	131	668295	18.58	ug/l	92
55) Toluene	15.08	91	1569589	19.47	ug/l	95
56) Chlorobenzene	17.87	112	1247688	19.71	ug/l	95
57) 1-Chlorohexane	17.88	93	244238	22.04	ug/l	98
58) Ethylbenzene	18.11	91	1921716	19.81	ug/l	95
60) Styrene	19.18	104	1227059	19.87	ug/l	90
61) m,p-Xylene	18.35	91	3129242	39.61	ug/l	100
62) o-Xylene	19.15	91	1658462	19.70	ug/l	99
63) 1,2,3-Trichloropropane	20.61	75	665204	19.53	ug/l	96
64) Isopropylbenzene	19.91	105	2242988	19.77	ug/l	94
65) Bromobenzene	20.49	77	1364695	19.81	ug/l	92
66) trans-1,4-Dichloro-2-Buten	20.64	89	80791	21.41	ug/l	100
67) n-Propylbenzene	20.74	91	2520483	20.33	ug/l	98
68) 1,1,2,2-Tetrachloroethane	20.53	83	769406	20.08	ug/l	98
69) 2-Chlorotoluene	20.91	91	1752300	19.52	ug/l	96
70) 4-Chlorotoluene	21.12	91	1825580	19.23	ug/l	98
71) 1,3,5-Trimethylbenzene	21.12	105	1806400	19.59	ug/l	98
72) tert-Butylbenzene	21.78	119	2346334	20.33	ug/l	99
73) 1,2,4-Trimethylbenzene	21.88	105	1799542	19.92	ug/l	93
74) sec-Butylbenzene	22.25	105	2652390	20.30	ug/l	98
75) 1,3-Dichlorobenzene	22.44	146	1227610	20.00	ug/l	98
76) 4-Isopropyltoluene	22.54	119	2164524	20.61	ug/l	98
77) 1,4-Dichlorobenzene	22.63	146	1323842	20.61	ug/l	98
78) 1,2-Dichlorobenzene	23.39	146	1175454	20.03	ug/l	97
79) Benzyl chloride	22.92	91	933098	22.16	ug/l	98
80) n-Butylbenzene	23.40	91	1980305	21.30	ug/l	96
81) 1,2-Dibromo-3-chloropropan	25.01	75	161350	19.79	ug/l	94
82) Hexachlorobutadiene	27.13	225	785940	20.69	ug/l	97
83) 1,2,4-Trichlorobenzene	26.74	180	963412	21.19	ug/l	94
84) Naphthalene	27.25	128	1235039	20.46	ug/l	98
85) 1,2,3-Trichlorobenzene	27.74	180	835917	21.81	ug/l	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report

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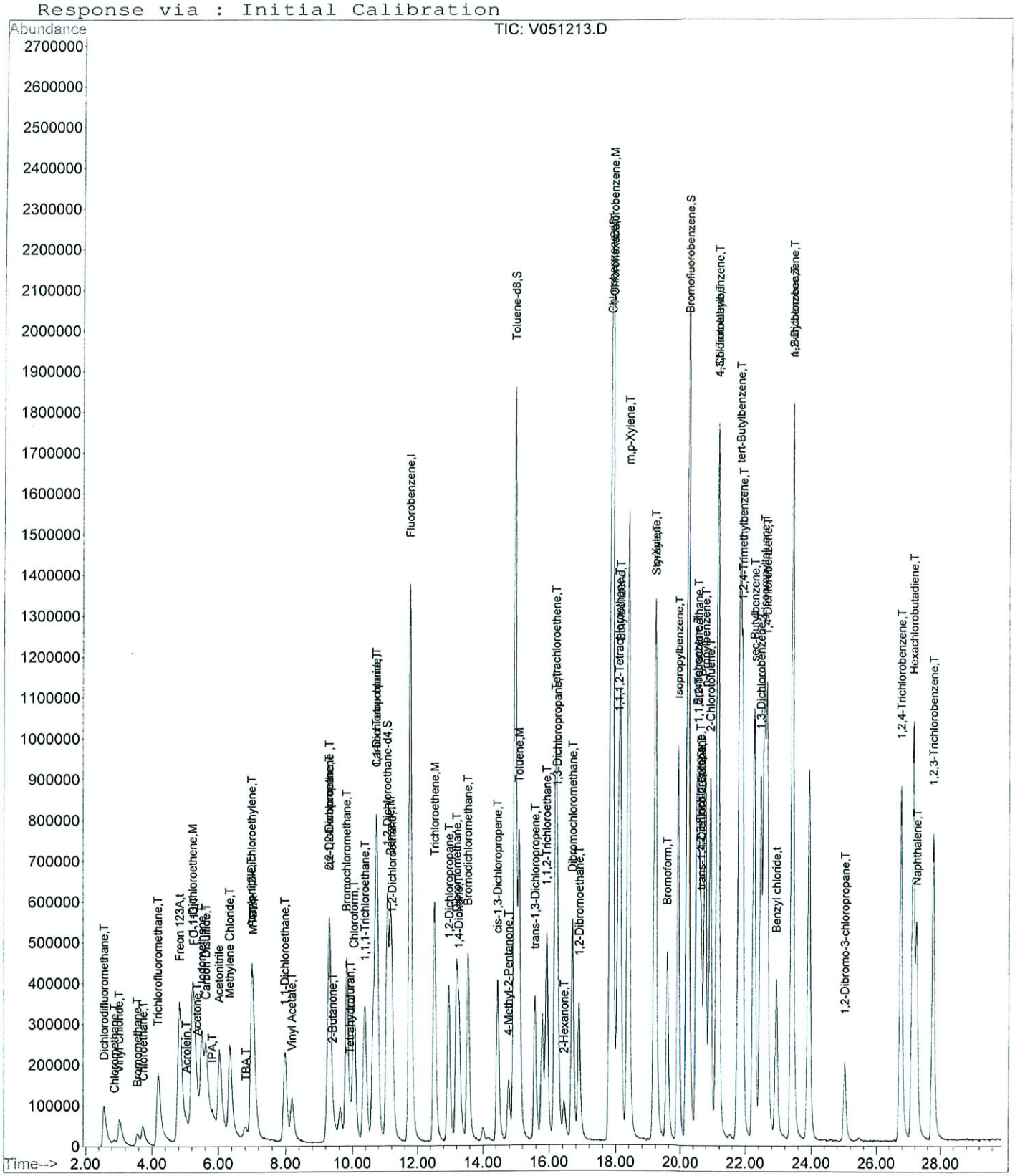
MS Integration Params: rteint.p
Quant Time: May 13 11:24 2011 Quant Results File: 82600414.RES

Method : P:\MSD\METHODS\82600414.M (RTE Integrator)
Title : Method for analysis of 8260 waters.
Last Update : Thu Apr 14 15:13:30 2011
Response via : Initial Calibration



Inorganic Data
Sample Data

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID:	PZ-6	Lab Sample ID:	420-43563-1
Lab Name:	EnviroTest Laboratories, Inc.	Job No.:	420-43563-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/09/2011 13:30
Reporting Basis:	WET	Date Received:	05/09/2011 14:40
% Solids:			

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7439-92-1	Pb	21	5.0		ug/L			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID:	PZ-7	Lab Sample ID:	420-43563-2
Lab Name:	EnviroTest Laboratories, Inc.	Job No.:	420-43563-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/09/2011 12:30
Reporting Basis:	WET	Date Received:	05/09/2011 14:40
% Solids:			

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7439-92-1	Pb	52	5.0		ug/L			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID:	MW4S	Lab Sample ID:	420-43563-3
Lab Name:	EnviroTest Laboratories, Inc.	Job No.:	420-43563-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/09/2011 11:30
Reporting Basis:	WET	Date Received:	05/09/2011 14:40
% Solids:			

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7439-92-1	Pb	14	5.0		ug/L			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID:	SUMP	Lab Sample ID:	420-43563-4
Lab Name:	EnviroTest Laboratories, Inc.	Job No.:	420-43563-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/09/2011 13:30
Reporting Basis:	WET	Date Received:	05/09/2011 14:40
% Solids:			

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7439-92-1	Pb	5.0	5.0		ug/L	U		1	6010B

Inorganic Data
QC Data

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: EnviroTest Laboratories Job No.: 420-43563-1

SDG No.:

Concentration Units: ug/L

INITIAL CALIBRATION VERIFICATIONS

Initial Calibration Verification Source: ICPICV+Ag_00003

Analyte	ICV 420-47055/11								
	Found C	Spike Amt.	%R	Found C	Spike Amt.	%R	Found C	Spike Amt.	%R
Pb	770	750	103						

CONTINUING CALIBRATION VERIFICATIONS

Continuing Calibration Verification Source: ICP3CCV+Ag_00004

Analyte	CCV 420-47055/17			CCV 420-47055/29					
	Found C	Spike Amt.	%R	Found C	Spike Amt.	%R	Found C	Spike Amt.	%R
Pb	1000	1000	103	1000	1000	102			

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

FORM II-IN

3A-IN
INSTRUMENT BLANKS
METALS

Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-43563-1

SDG No.:

Concentration Units: ug/L

INITIAL CALIBRATION BLANK

Analyte	Reporting Limit	ICB 420-47055/12							
		Found	C	Found	C	Found	C	Found	C
Pb	5.0	5.0	U						

CONTINUING CALIBRATION BLANKS

Analyte	Reporting Limit	CCB 420-47055/18		CCB 420-47055/30					
		Found	C	Found	C	Found	C	Found	C
Pb	5.0	5.0	U	5.0	U				

Italicized analytes were not requested for this sequence.

FORM III-IN

Method Blank

Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-43563-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 420-46984/1-A

Instrument Code: MET-ICP-3300 Batch No.: 46984

CAS No.	Analyte	Concentration	C	Q	Method
7439-92-1	Pb	5.0	U		6010B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-43563-1

SDG No.:

Lab Sample ID: ICSA 420-47055/15 Instrument ID: MET-ICP-3300

Lab File ID: ICS Source: METICSA_00007

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Found Percent Recovery
Al	500000	513248	103
Ca	500000	456900	91
Fe	200000	180710	90
Mg	500000	496594	99

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-43563-1

SDG No.:

Lab Sample ID: ICSAB 420-47055/16 Instrument ID: MET-ICP-3300

Lab File ID: ICS Source: METICSB_00011

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Al	500000	509365	102
Ca	500000	451581	90
Fe	200000	178854	89
Mg	500000	489827	98
Pb	50.0	58.4	117

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-43563-1

SDG No.:

Lab Sample ID: ICSA 420-47055/36 Instrument ID: MET-ICP-3300

Lab File ID: ICS Source: METICSA_00007

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Al	500000	512802	103
Ca	500000	454046	91
Fe	200000	179812	90
Mg	500000	493569	99

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-43563-1

SDG No.:

Lab Sample ID: ICSAB 420-47055/37 Instrument ID: MET-ICP-3300

Lab File ID: ICS Source: METICSB_00011

Concentration Units: ug/L

Analyte	True	Found	
	Solution AB	Solution AB	Percent Recovery
Al	500000	509563	102
Ca	500000	451112	90
Fe	200000	178873	89
Mg	500000	489458	98
Pb	50.0	58.2	116

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client Id: MW4S MS

Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-43563-1

SDG No.:

Matrix: Water % Solids:

Concentration Units: ug/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Pb	464		14		500	90	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

6-IN
DUPLICATES

Client Smp ID: MW4S DU
Lab Smp ID: 420-43563-3
Lab Name: EnviroTest Laboratories, Inc.
Job No.: 420-43563-1
SDG No.:
% Solids for Sample:
% Solids for Duplicate:
Matrix: Water
Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Pb	5.0	14		12.7		7		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SPIKE
METALS

Lab ID: LCS 420-46984/2-A

Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-43563-1

Sample Matrix: Water LCS Source: METCCV1A_00001

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Pb	2000	2050		102	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

Inorganic Data
Instrument Parameters

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 420-43563-3

SDG No:

Lab Name: EnviroTest Laboratories, Inc. Job No: 420-43563-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Pb	14		25	U	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: EnviroTest Laboratories, Inc. Job Number: 420-43563-1

SDG Number:

Matrix: Water Instrument ID: MET-ICP-3300

Analysis Method: 6010B RL Date: 12/01/2009 09:32

Prep Method: 3010A

Leach Method:

Analyte	Wavelength/ Mass	RL (ug/L)	
Pb	220.353	5	

RL

FORM IX - IN

IEC File Last Saved: 11/16/2010 1:24:57 PM
Printed On: 11/16/2010 1:25:00 PM

10 A

Results Data Set Name: 06120
Method Name: CLP I
Results Library: C:\pe\Administrator\Results\Results.md

Interfering Analytes

	Analytes	Al 308.215	Ca 315.887	Co 228.616	Fe 273.955
1	**Ag 338.289**	0	0.045	0	0
2	**Al 308.215**	n/a	0	-4.32782	0
3	**As 188.979**	0	-0.03	-0.348935	0
4	**B 249.677**	0	0	4	0
9	**Cd 226.502**	0	0	-0.110451	0.2
10	**Co 228.616**	0	0	n/a	0
13	**Fe 273.955**	0	0	0	n/a
16	**Mn 257.610**	0	0	0	0
21	**Pb 220.353**	-0.14	-0.0147015	-0.55	0
22	**Sb 206.836**	0	0	0	0
24	**Se 196.026**	0.045	0.0139213	0	-0.15
25	**Tl 190.801**	0	-0.04	4.55	0
26	**V 292.402**	0	0	0	-0.09
27	**Y 360.073**	0.00151428	0	0	0
28	**Zn 206.200**	0	0	0	0

IEC File Name: IEC_11-16-2010

IEC File Last Saved: 11/16/2010 1:24:57 PM
Printed On: 11/16/2010 1:25:00 PM

103

Results Data Set Name: 06120
Method Name: CLP I
Results Library: C:\pe\Administrator\Results\Results.md

Interfering Analytes

	Analytes	Mg 279.077	Mn 257.610	Mo 202.031	V 292.402
1	**Ag 338.289**	0	0	0	-1.2773
2	**Al 308.215**	0	0	15	-59.3811
3	**As 188.979**	0	0	0.5	0
4	**B 249.677**	0	0	0	0
9	**Cd 226.502**	0	0	0	0
10	**Co 228.616**	0	0	-2.33726	0
13	**Fe 273.955**	0	0	0	22
16	**Mn 257.610**	0.019	n/a	0	0
21	**Pb 220.353**	0	0	-1	0
22	**Sb 206.836**	0	0	0	-1
24	**Se 196.026**	0	1	-0.446989	0.441125
25	**Tl 190.801**	0	0.5	-0.7	-2.03906
26	**V 292.402**	0	0	-5	n/a
27	**Y 360.073**	0	0	0	0
28	**Zn 206.200**	0.02	0	0	0

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: EnviroTest Laboratories Job No: 420-43563-1

SDG No.:

Instrument ID: MET-ICP-3300 Date: 03/08/2011 11:43

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Pb	20	25000	6010B

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-43563-1

SDG No.:

Instrument ID: MET-ICP-3300 Method: 6010B

Start Date: 05/17/2011 16:24 End Date: 05/17/2011 20:52

Lab Sample ID	D / F	Type	Time	Analytes
				Pb
ZZZZZZ			16:24	
ZZZZZZ			16:31	
ZZZZZZ			16:36	
ZZZZZZ			16:42	
ZZZZZZ			16:48	
ZZZZZZ			16:54	
ZZZZZZ			16:59	
ZZZZZZ			17:05	
ZZZZZZ			17:12	
ZZZZZZ			17:17	
ICV 420-47055/11	1		17:23	X
ICB 420-47055/12	1		17:30	X
CRI 420-47055/13	1		17:36	X
ZZZZZZ			17:43	
ICSA 420-47055/15	1		17:50	X
ICSAB 420-47055/16	1		18:01	X
CCV 420-47055/17	1		18:12	X
CCB 420-47055/18	1		18:19	X
MB 420-46984/1-A	1	T	18:26	X
LCS 420-46984/2-A	1	T	18:32	X
420-43563-1	1	T	18:39	X
420-43563-2	1	T	18:46	X
420-43563-3	1	T	18:54	X
420-43563-3 DU	1	T	19:01	X
420-43563-3 MS	1	T	19:07	X
420-43563-3 SD	5	T	19:14	X
420-43563-4	1	T	19:21	X
ZZZZZZ			19:28	
CCV 420-47055/29	1		19:35	X
CCB 420-47055/30	1		19:42	X
ZZZZZZ			19:48	
ZZZZZZ			19:55	
ZZZZZZ			20:02	
CRI 420-47055/34	1		20:09	X
ZZZZZZ			20:16	
ICSA 420-47055/36	1		20:23	X
ICSAB 420-47055/37	1		20:34	X
CCV 420-47055/38			20:45	
CCB 420-47055/39			20:52	

Prep Types
T = Total/NA

Inorganic Data
Raw Data

Sample Information Detail Report
Document Name: 051711a

File Description
Default Sample Information File

Setup = 6P 5/17/11

Paperwork mwa/mp 5/19/11

Parameters Common to All Samples

Batch ID	
Volume Units	mL
Weight Units	g

Batch# 47055

Parameters That Vary By Sample

Sample No	A/S Location	Sample ID	Aliquot Volume
1	24	mb 46984-1	
2	25	lcs 46984-2	
3	26	43563-1	
4	27	43563-2	
5	28	43563-3	
6	29	du 43563-3	
7	30	ms 43563-3	
8	31	sd 43563-3	1
9	32	43563-4	
10	33	43676-2	
11	34	du 43676-2	
12	35	ms 43676-2	
13	36	sd 43676-2	1

Sample No	Diluted To Vol.	Analyze QCs Before	Sample Units *
1		1,4,5,6,7,8,9,12	ug/L
2			ug/L
3			ug/L
4			ug/L
5			ug/L
6			ug/L
7			ug/L
8	5		ug/L
9			ug/L
10			ug/L
11		9,12	ug/L
12			ug/L
13	5		ug/L

5/19/11

Analysis Begun

Start Time: 5/17/2011 4:24:29 PM
Logged In Analyst: pistolem
Spectrometer Model: Optima 3300 XL, S/N UªUªUªUªUªUAutosampler Model: AS-91

Plasma On Time: 5/17/2011 8:04:08 AM
Technique: ICP Continuous

Sample Information File: C:\pe\Administrator\Sample Information\051711a.sif
Batch ID:
Results Data Set: 051711a
Results Library: C:\pe\Administrator\Results\Results.mdb

Method Loaded
Method Name: CLP4
IEC File: IEC_11-16-2010.iec
Method Description: CLP ICP3

Method Last Saved: 5/17/2011 10:29:21 AM
MSF File:

Sequence No.: 1
Sample ID: Calib Blank 1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/17/2011 4:24:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	49711.2	506.53	1.02%	1.00	ug/L
Sc 361.383	269076.7	4046.88	1.50%	1.00	ug/L
Al 308.215†	3315.4	48.81	1.47%	[0.00]	ug/L
Sb 206.836†	14.6	2.08	14.32%	[0.00]	ug/L
As 188.979†	-12.7	0.47	3.68%	[0.00]	ug/L
Ba 233.527†	133.2	4.64	3.48%	[0.00]	ug/L
Be 313.107†	-1026.9	21.88	2.13%	[0.00]	ug/L
Cd 226.502†	-47.7	3.08	6.46%	[0.00]	ug/L
Ca 315.887†	-6450.5	122.26	1.90%	[0.00]	ug/L
Cr 205.560†	-18.6	2.72	14.65%	[0.00]	ug/L
Co 228.616†	-53.0	3.97	7.49%	[0.00]	ug/L
Cu 324.752†	1904.8	16.45	0.86%	[0.00]	ug/L
Fe 273.955†	20.1	12.35	61.44%	[0.00]	ug/L
Pb 220.353†	-87.3	4.48	5.13%	[0.00]	ug/L
Mg 279.077†	-277.4	26.43	9.53%	[0.00]	ug/L
Mn 257.610†	302.1	5.33	1.77%	[0.00]	ug/L
Ni 231.604†	-46.2	8.76	18.96%	[0.00]	ug/L
K 766.490†	1364.9	28.48	2.09%	[0.00]	ug/L
Se 196.026†	9.3	1.17	12.62%	[0.00]	ug/L
Ag 338.289†	-186.0	31.24	16.79%	[0.00]	ug/L
Na 330.237†	330.6	18.48	5.59%	[0.00]	ug/L
Na 589.592†	1689.4	54.62	3.23%	[0.00]	ug/L
Tl 190.801†	-38.1	1.56	4.09%	[0.00]	ug/L
V 292.402†	-56.0	4.07	7.27%	[0.00]	ug/L
Zn 206.200†	33.3	2.16	6.48%	[0.00]	ug/L
B 249.677†	39.0	2.64	6.77%	[0.00]	ug/L
Mo 202.031†	-3.1	2.17	70.69%	[0.00]	ug/L
Ce 413.764	484.3	20.02	4.13%	[0.00]	ug/L
Ti 334.940	-118.5	22.60	19.08%	[0.00]	mg/L
Sn 189.927	-5.6	1.76	31.44%	[0.00]	mg/L

Sequence No.: 2
Sample ID: CAL-1-A
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 5/17/2011 4:31:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CAL-1-A

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units

Y 360.073	45953.4	52.48	0.11%	0.924 ug/L
Sc 361.383	253852.6	2301.41	0.91%	0.943 ug/L
Al 308.215†	352771.1	3618.95	1.03%	[20000] ug/L
Be 313.107†	402347.1	6054.76	1.50%	[500] ug/L
Ca 315.887†	2323922.2	32592.78	1.40%	[50000] ug/L
Cr 205.560†	57881.9	637.71	1.10%	[2000] ug/L
Co 228.616†	168202.1	1733.18	1.03%	[5000] ug/L
Cu 324.752†	482201.8	5005.98	1.04%	[2500] ug/L
Fe 273.955†	189919.4	2043.52	1.08%	[10000] ug/L
Mg 279.077†	721377.1	7765.91	1.08%	[50000] ug/L
Mn 257.610†	2048367.0	29568.02	1.44%	[5000] ug/L
Ni 231.604†	95001.9	956.61	1.01%	[5000] ug/L
Na 330.237†	19896.8	190.34	0.96%	[50000] ug/L
V 292.402†	135810.9	1287.28	0.95%	[5000] ug/L
Zn 206.200†	280778.2	3174.69	1.13%	[5000] ug/L

Sequence No.: 3
Sample ID: AG
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 16
Date Collected: 5/17/2011 4:36:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: AG

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 360.073	49484.1	257.76	0.52%	0.995	ug/L
Sc 361.383	276338.7	3968.49	1.44%	1.03	ug/L
Ag 338.289†	28153.7	369.60	1.31%	[500]	ug/L

Sequence No.: 4
Sample ID: CAL-3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 5/17/2011 4:42:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CAL-3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 360.073	47998.5	82.43	0.17%	0.966	ug/L
Sc 361.383	271648.3	7364.77	2.71%	1.01	ug/L
Cd 226.502†	70821.9	2005.27	2.83%	[1000]	ug/L
Pb 220.353†	21128.2	609.29	2.88%	[2000]	ug/L
Tl 190.801†	6042.4	174.30	2.88%	[2000]	ug/L

Sequence No.: 5
Sample ID: K
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 5/17/2011 4:48:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: K

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 360.073	47706.0	75.46	0.16%	0.960	ug/L
Sc 361.383	262563.5	1430.00	0.54%	0.976	ug/L
K 766.490†	1542038.1	18694.54	1.21%	[10000]	ug/L
Na 330.237†	3472.8	31.62	0.91%	[10000]	ug/L
Na 589.592†	3202663.1	36013.15	1.12%	[10000]	ug/L

Sequence No.: 6
Sample ID: SB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 5/17/2011 4:54:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: SB

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	49145.9	172.25	0.35%	0.989	ug/L
Sc 361.383	276172.5	8492.03	3.07%	1.03	ug/L
Sb 206.836†	8935.9	393.63	4.41%	[2500]	ug/L

Sequence No.: 7
Sample ID: 3-3
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 20
Date Collected: 5/17/2011 4:59:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 3-3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	50382.3	219.07	0.43%	1.01	ug/L
Sc 361.383	276600.7	4761.46	1.72%	1.03	ug/L
B 249.677†	50827.0	1247.19	2.45%	[2500]	ug/L
Mo 202.031†	65232.5	1390.13	2.13%	[6500]	ug/L

Sequence No.: 8
Sample ID: AS/SE
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 21
Date Collected: 5/17/2011 5:05:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: AS/SE

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	49370.1	354.59	0.72%	0.993	ug/L
Sc 361.383	273870.7	9072.69	3.31%	1.02	ug/L
As 188.979†	1795.8	64.36	3.58%	[750]	ug/L
Se 196.026†	1094.9	41.79	3.82%	[750]	ug/L

Sequence No.: 9
Sample ID: NA
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 22
Date Collected: 5/17/2011 5:12:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: NA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	49209.9	254.78	0.52%	0.990	ug/L
Sc 361.383	273162.6	3234.11	1.18%	1.02	ug/L
Na 330.237†	1708.0	26.04	1.52%	[5000]	ug/L

Sequence No.: 10
Sample ID: BA
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 23
Date Collected: 5/17/2011 5:17:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: BA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	49267.5	258.03	0.52%	0.991	ug/L
Sc 361.383	271358.2	752.09	0.28%	1.01	ug/L
Ba 233.527†	1895279.9	7997.45	0.42%	[10000]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Al 308.215	1	Lin, Calc Int	0.0	17.64	0.00000	1.000000	
Sb 206.836	1	Lin, Calc Int	-0.0	3.574	0.00000	1.000000	
As 188.979	1	Lin, Calc Int	0.0	2.394	0.00000	1.000000	
Ba 233.527	1	Lin, Calc Int	0.0	189.5	0.00000	1.000000	
Be 313.107	1	Lin, Calc Int	0.0	804.7	0.00000	1.000000	
Cd 226.502	1	Lin, Calc Int	-0.0	70.82	0.00000	1.000000	
Ca 315.887	1	Lin, Calc Int	0.0	46.48	0.00000	1.000000	
Cr 205.560	1	Lin, Calc Int	0.0	28.94	0.00000	1.000000	
Co 228.616	1	Lin, Calc Int	0.0	33.64	0.00000	1.000000	
Cu 324.752	1	Lin, Calc Int	-0.0	192.9	0.00000	1.000000	
Fe 273.955	1	Lin, Calc Int	0.0	18.99	0.00000	1.000000	
Pb 220.353	1	Lin, Calc Int	0.0	10.56	0.00000	1.000000	
Mg 279.077	1	Lin, Calc Int	0.0	14.43	0.00000	1.000000	
Mn 257.610	1	Lin, Calc Int	0.0	409.7	0.00000	1.000000	
Ni 231.604	1	Lin, Calc Int	0.0	19.00	0.00000	1.000000	
K 766.490	1	Lin, Calc Int	0.0	154.2	0.00000	1.000000	
Se 196.026	1	Lin, Calc Int	0.0	1.460	0.00000	1.000000	
Ag 338.289	1	Lin, Calc Int	0.0	56.31	0.00000	1.000000	
Na 330.237	3	Lin, Calc Int	-262.7	0.4020	0.00000	0.999694	
Na 589.592	1	Lin, Calc Int	0.0	320.3	0.00000	1.000000	
Tl 190.801	1	Lin, Calc Int	0.0	3.021	0.00000	1.000000	
V 292.402	1	Lin, Calc Int	0.0	27.16	0.00000	1.000000	
Zn 206.200	1	Lin, Calc Int	0.0	56.16	0.00000	1.000000	
B 249.677	1	Lin, Calc Int	-0.0	20.33	0.00000	1.000000	
Mo 202.031	1	Lin, Calc Int	-0.0	10.04	0.00000	1.000000	

Sequence No.: 11 **Autosampler Location: 9**
Sample ID: ICV **Date Collected: 5/17/2011 5:23:35 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	47368.7	0.953	ug/L	0.0021				0.22%
Sc 361.383	259587.1	0.965	ug/L	0.0073				0.75%
Al 308.215†	130930.6	7532.31	ug/L	60.030	7532.31	ug/L	60.030	0.80%
QC value within limits for Al 308.215 Recovery = 100.43%								
Sb 206.836†	1491.6	419.197	ug/L	0.8830	419.197	ug/L	0.8830	0.21%
QC value greater than the upper limit for Sb 206.836 Recovery = 111.79%								
As 188.979†	1958.4	818.758	ug/L	5.8717	818.758	ug/L	5.8717	0.72%
QC value greater than the upper limit for As 188.979 Recovery = 109.17%								
Ba 233.527†	1465004.8	7729.75	ug/L	89.863	7729.75	ug/L	89.863	1.16%
QC value within limits for Ba 233.527 Recovery = 103.06%								
Be 313.107†	152690.5	189.750	ug/L	2.3249	189.750	ug/L	2.3249	1.23%
QC value within limits for Be 313.107 Recovery = 101.20%								
Cd 226.502†	27880.7	393.120	ug/L	3.1470	393.120	ug/L	3.1470	0.80%
QC value within limits for Cd 226.502 Recovery = 104.83%								
Ca 315.887†	891800.6	19187.4	ug/L	221.33	19187.4	ug/L	221.33	1.15%
QC value within limits for Ca 315.887 Recovery = 102.33%								
Cr 205.560†	22069.6	762.574	ug/L	6.1630	762.574	ug/L	6.1630	0.81%
QC value within limits for Cr 205.560 Recovery = 101.68%								
Co 228.616†	65588.6	1951.57	ug/L	15.043	1951.57	ug/L	15.043	0.77%
QC value within limits for Co 228.616 Recovery = 104.08%								
Cu 324.752†	177564.6	920.593	ug/L	6.3030	920.593	ug/L	6.3030	0.68%
QC value within limits for Cu 324.752 Recovery = 98.20%								
Fe 273.955†	73055.1	3804.80	ug/L	32.594	3804.80	ug/L	32.594	0.86%
QC value within limits for Fe 273.955 Recovery = 101.46%								
Pb 220.353†	8096.6	769.627	ug/L	6.3132	769.627	ug/L	6.3132	0.82%
QC value within limits for Pb 220.353 Recovery = 102.62%								
Mg 279.077†	275388.8	19087.7	ug/L	142.79	19087.7	ug/L	142.79	0.75%
QC value within limits for Mg 279.077 Recovery = 101.80%								
Mn 257.610†	791489.8	1931.64	ug/L	21.520	1931.64	ug/L	21.520	1.11%
QC value within limits for Mn 257.610 Recovery = 103.02%								
Ni 231.604†	36557.6	1924.04	ug/L	15.201	1924.04	ug/L	15.201	0.79%
QC value within limits for Ni 231.604 Recovery = 102.62%								
K 766.490†	797487.2	5171.64	ug/L	47.214	5171.64	ug/L	47.214	0.91%

QC value greater than the upper limit for K 766.490 Recovery = 114.93%

Se 196.026†	1197.5	817.827 ug/L	7.3823	817.827 ug/L	7.3823	0.90%
QC value greater than the upper limit for Se 196.026 Recovery = 109.04%							
Ag 338.289†	13228.3	236.496 ug/L	1.8483	236.496 ug/L	1.8483	0.78%
QC value within limits for Ag 338.289 Recovery = 105.11%							
Na 330.237†	6786.2	17535.7 ug/L	103.02	17535.7 ug/L	103.02	0.59%
QC value less than the lower limit for Na 330.237 Recovery = 93.52%							
Na 589.592†	Saturated2						
Unable to evaluate QC.							
Tl 190.801†	2360.2	776.583 ug/L	5.6423	776.583 ug/L	5.6423	0.73%
QC value within limits for Tl 190.801 Recovery = 103.54%							
V 292.402†	51654.5	1906.06 ug/L	15.120	1906.06 ug/L	15.120	0.79%
QC value within limits for V 292.402 Recovery = 101.66%							
Zn 206.200†	107535.7	1914.58 ug/L	14.784	1914.58 ug/L	14.784	0.77%
QC value within limits for Zn 206.200 Recovery = 102.11%							
B 249.677†	16449.2	801.281 ug/L	16.5077	801.281 ug/L	16.5077	2.06%
QC value greater than the upper limit for B 249.677 Recovery = 106.84%							
Mo 202.031†	8048.6	801.989 ug/L	9.1750	801.989 ug/L	9.1750	1.14%
QC value greater than the upper limit for Mo 202.031 Recovery = 106.93%							
Ce 413.764	-7.0				29.71	424.11%	
Ti 334.940	291.8				9.90	3.39%	
Sn 189.927	92.3				1.01	1.09%	

QC Failed. Continue with analysis.

Sequence No.: 12
Sample ID: ICB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/17/2011 5:30:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	49319.8	0.992	ug/L	0.0069				0.70%
Sc 361.383	267305.5	0.993	ug/L	0.0148				1.49%
Al 308.215†	25.7	1.47792	ug/L	4.179611	1.47792	ug/L	4.179611	282.80%
QC value within limits for Al 308.215 Recovery = Not calculated								
Sb 206.836†	4.0	1.12143	ug/L	1.137392	1.12143	ug/L	1.137392	101.42%
As 188.979†	1.2	0.520073	ug/L	1.5853600	0.520073	ug/L	1.5853600	304.83%
Ba 233.527†	345.1	1.82070	ug/L	0.290168	1.82070	ug/L	0.290168	15.94%
Be 313.107†	42.3	0.0525748	ug/L	0.04091513	0.0525748	ug/L	0.04091513	77.82%
Cd 226.502†	11.4	0.161159	ug/L	0.0600237	0.161159	ug/L	0.0600237	37.24%
Ca 315.887†	-77.8	-1.67496	ug/L	2.714204	-1.67496	ug/L	2.714204	162.05%
Cr 205.560†	8.9	0.306647	ug/L	0.1042189	0.306647	ug/L	0.1042189	33.99%
Co 228.616†	18.8	0.560066	ug/L	0.0566996	0.560066	ug/L	0.0566996	10.12%
Cu 324.752†	88.7	0.459857	ug/L	0.1530835	0.459857	ug/L	0.1530835	33.29%
Fe 273.955†	7.7	0.394945	ug/L	0.6593725	0.394945	ug/L	0.6593725	166.95%
Pb 220.353†	7.4	0.704036	ug/L	0.6236774	0.704036	ug/L	0.6236774	88.59%
Mg 279.077†	6.6	0.457965	ug/L	1.0335315	0.457965	ug/L	1.0335315	225.68%
Mn 257.610†	202.6	0.494615	ug/L	0.0978596	0.494615	ug/L	0.0978596	19.79%
Ni 231.604†	10.2	0.536102	ug/L	0.0583394	0.536102	ug/L	0.0583394	10.88%
K 766.490†	259.6	1.68335	ug/L	0.592717	1.68335	ug/L	0.592717	35.21%
Se 196.026†	0.9	0.637770	ug/L	4.0538834	0.637770	ug/L	4.0538834	635.63%
Ag 338.289†	28.5	0.506791	ug/L	0.1826931	0.506791	ug/L	0.1826931	36.05%
Na 330.237†	13.1	686.013	ug/L	22.4303	686.013	ug/L	22.4303	3.27%
Na 589.592†	854.9	2.66929	ug/L	0.685505	2.66929	ug/L	0.685505	25.68%
Tl 190.801†	0.3	0.0955389	ug/L	0.19515145	0.0955389	ug/L	0.19515145	204.26%
V 292.402†	13.7	0.509097	ug/L	0.1956312	0.509097	ug/L	0.1956312	38.43%
Zn 206.200†	27.6	0.491351	ug/L	0.0904309	0.491351	ug/L	0.0904309	18.40%
B 249.677†	165.8	8.15299	ug/L	0.405322	8.15299	ug/L	0.405322	4.97%
Mo 202.031†	9.2	0.912585	ug/L	0.1512546	0.912585	ug/L	0.1512546	16.57%
Ce 413.764	20.9						14.15	67.59%
Ti 334.940	1.7						12.04	695.16%
Sn 189.927	2.1						0.66	31.04%

All analyte(s) passed QC.

Sequence No.: 13
Sample ID: CRI
Analyst:

Autosampler Location: 12
Date Collected: 5/17/2011 5:36:59 PM
Data Type: Original

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	49581.6	0.997	ug/L	0.0010				0.11%
Sc 361.383	270256.2	1.00	ug/L	0.004				0.44%
Al 308.215†	3376.0	194.644	ug/L	1.0757	194.644	ug/L	1.0757	0.55%
QC value within limits for Al 308.215 Recovery = 97.32%								
Sb 206.836†	220.6	61.7611	ug/L	0.85271	61.7611	ug/L	0.85271	1.38%
QC value within limits for Sb 206.836 Recovery = 102.94%								
As 188.979†	25.9	10.9968	ug/L	1.09873	10.9968	ug/L	1.09873	9.99%
QC value within limits for As 188.979 Recovery = 109.97%								
Ba 233.527†	39604.9	208.966	ug/L	0.8235	208.966	ug/L	0.8235	0.39%
QC value within limits for Ba 233.527 Recovery = 104.48%								
Be 313.107†	3999.9	4.97074	ug/L	0.024212	4.97074	ug/L	0.024212	0.49%
QC value within limits for Be 313.107 Recovery = 99.41%								
Cd 226.502†	382.2	5.38182	ug/L	0.048744	5.38182	ug/L	0.048744	0.91%
QC value within limits for Cd 226.502 Recovery = 107.64%								
Ca 315.887†	236677.7	5092.20	ug/L	28.365	5092.20	ug/L	28.365	0.56%
QC value within limits for Ca 315.887 Recovery = 101.84%								
Cr 205.560†	306.6	10.5932	ug/L	0.09116	10.5932	ug/L	0.09116	0.86%
QC value within limits for Cr 205.560 Recovery = 105.93%								
Co 228.616†	1741.9	51.7829	ug/L	0.21934	51.7829	ug/L	0.21934	0.42%
QC value within limits for Co 228.616 Recovery = 103.57%								
Cu 324.752†	4728.4	24.5148	ug/L	0.34557	24.5148	ug/L	0.34557	1.41%
QC value within limits for Cu 324.752 Recovery = 98.06%								
Fe 273.955†	1914.9	99.7040	ug/L	0.82115	99.7040	ug/L	0.82115	0.82%
Pb 220.353†	52.2	5.07471	ug/L	0.232109	5.07471	ug/L	0.232109	4.57%
QC value within limits for Pb 220.353 Recovery = 101.49%								
Mg 279.077†	72364.3	5015.70	ug/L	27.507	5015.70	ug/L	27.507	0.55%
QC value within limits for Mg 279.077 Recovery = 100.31%								
Mn 257.610†	6539.7	15.8679	ug/L	0.07977	15.8679	ug/L	0.07977	0.50%
Ni 231.604†	783.1	41.2160	ug/L	0.24921	41.2160	ug/L	0.24921	0.60%
QC value within limits for Ni 231.604 Recovery = 103.04%								
K 766.490†	701356.7	4548.24	ug/L	27.829	4548.24	ug/L	27.829	0.61%
QC value within limits for K 766.490 Recovery = 90.96%								
Se 196.026†	6.4	4.26885	ug/L	2.381592	4.26885	ug/L	2.381592	55.79%
Ag 338.289†	604.1	10.5646	ug/L	0.31206	10.5646	ug/L	0.31206	2.95%
QC value within limits for Ag 338.289 Recovery = 105.65%								
Na 330.237†	1647.7	4752.54	ug/L	22.248	4752.54	ug/L	22.248	0.47%
QC value within limits for Na 330.237 Recovery = 95.05%								
Na 589.592†	1429214.0	4462.58	ug/L	20.692	4462.58	ug/L	20.692	0.46%
Tl 190.801†	30.4	10.1374	ug/L	0.78172	10.1374	ug/L	0.78172	7.71%
QC value within limits for Tl 190.801 Recovery = 101.37%								
V 292.402†	1386.8	51.0707	ug/L	0.45225	51.0707	ug/L	0.45225	0.89%
QC value within limits for V 292.402 Recovery = 102.14%								
Zn 206.200†	1270.1	22.5169	ug/L	0.12671	22.5169	ug/L	0.12671	0.56%
QC value within limits for Zn 206.200 Recovery = 112.58%								
B 249.677†	93.0	4.36784	ug/L	0.038972	4.36784	ug/L	0.038972	0.89%
Mo 202.031†	9.0	0.894178	ug/L	0.1349367	0.894178	ug/L	0.1349367	15.09%
Ce 413.764	43.1						7.84	18.19%
Ti 334.940	73.8						55.62	75.35%
Sn 189.927	33.1						2.08	6.26%

All analyte(s) passed QC.

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Sequence No.: 14 Autosampler Location: 14
Sample ID: CRI2 Date Collected: 5/17/2011 5:43:53 PM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CRI2

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	48856.9	0.983	ug/L	0.0081				0.83%
Sc 361.383	268776.3	0.999	ug/L	0.0313				3.13%
Al 308.215†	13.8	0.788514	ug/L	4.6523882	0.788514	ug/L	4.6523882	590.02%

Sb 206.836†	4.0	1.11761 ug/L	0.471172	1.11761 ug/L	0.471172	42.16%
As 188.979†	0.0	0.0154833 ug/L	0.72317779	0.0154833 ug/L	0.72317779	>999.9%
Ba 233.527†	85.3	0.450070 ug/L	0.0732697	0.450070 ug/L	0.0732697	16.28%
Be 313.107†	8.1	0.0100105 ug/L	0.03772726	0.0100105 ug/L	0.03772726	376.88%
Cd 226.502†	3.5	0.0373045 ug/L	0.06219046	0.0373045 ug/L	0.06219046	166.71%
Ca 315.887†	1847.3	39.7460 ug/L	2.29196	39.7460 ug/L	2.29196	5.77%
Cr 205.560†	2.9	0.100333 ug/L	0.3798571	0.100333 ug/L	0.3798571	378.60%
Co 228.616†	4.2	0.124456 ug/L	0.1423946	0.124456 ug/L	0.1423946	114.41%
Cu 324.752†	39.6	0.205135 ug/L	0.1886527	0.205135 ug/L	0.1886527	91.96%
Fe 273.955†	1124.6	59.2112 ug/L	2.08853	59.2112 ug/L	2.08853	3.53%
QC value within limits for Fe 273.955 Recovery = 98.69%						
Pb 220.353†	-11.1	-1.05132 ug/L	0.180563	-1.05132 ug/L	0.180563	17.17%
Mg 279.077†	46.4	3.21716 ug/L	1.361065	3.21716 ug/L	1.361065	42.31%
Mn 257.610†	4386.0	10.7060 ug/L	0.41820	10.7060 ug/L	0.41820	3.91%
QC value within limits for Mn 257.610 Recovery = 107.06%						
Ni 231.604†	-0.4	-0.0227750 ug/L	0.21603642	-0.0227750 ug/L	0.21603642	948.57%
K 766.490†	421.4	2.73293 ug/L	0.926750	2.73293 ug/L	0.926750	33.91%
Se 196.026†	14.3	9.80853 ug/L	1.734151	9.80853 ug/L	1.734151	17.68%
QC value within limits for Se 196.026 Recovery = 98.09%						
Ag 338.289†	23.1	0.409285 ug/L	0.2719473	0.409285 ug/L	0.2719473	66.44%
Na 330.237†	103.3	910.373 ug/L	38.4946	910.373 ug/L	38.4946	4.23%
Na 589.592†	51140.1	159.680 ug/L	5.7095	159.680 ug/L	5.7095	3.58%
QC value within limits for Na 589.592 Recovery = 79.84%						
Tl 190.801†	-2.7	-0.906835 ug/L	0.9334969	-0.906835 ug/L	0.9334969	102.94%
V 292.402†	3.3	0.129797 ug/L	0.0510940	0.129797 ug/L	0.0510940	39.36%
Zn 206.200†	71.8	1.27847 ug/L	0.236284	1.27847 ug/L	0.236284	18.48%
B 249.677†	91.6	4.50524 ug/L	0.186691	4.50524 ug/L	0.186691	4.14%
Mo 202.031†	2.7	0.265068 ug/L	0.2065405	0.265068 ug/L	0.2065405	77.92%
Ce 413.764	49.4				7.68	15.56%
Ti 334.940	1.3				17.31	>999.9%
Sn 189.927	2.2				2.49	113.68%

All analyte(s) passed QC.

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Sequence No.: 15 **Autosampler Location: 5**
Sample ID: ICSA **Date Collected: 5/17/2011 5:50:26 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	42893.5	0.863	ug/L	0.0034				0.40%
Sc 361.383	234537.6	0.872	ug/L	0.0107				1.23%
Al 308.215†	9052974.3	513248	ug/L	7386.7	513248	ug/L	7386.7	1.44%
QC value within limits for Al 308.215 Recovery = 102.65%								
Sb 206.836†	59.3	16.5597	ug/L	1.17916	16.5597	ug/L	1.17916	7.12%
As 188.979†	-36.1	-1.37220	ug/L	1.573039	-1.37220	ug/L	1.573039	114.64%
Ba 233.527†	1031.6	5.44295	ug/L	0.119960	5.44295	ug/L	0.119960	2.20%
Be 313.107†	-159.4	-0.198090	ug/L	0.0213769	-0.198090	ug/L	0.0213769	10.79%
Cd 226.502†	1480.1	-15.2421	ug/L	0.56587	-15.2421	ug/L	0.56587	3.71%
Ca 315.887†	21236021.8	456900	ug/L	7090.6	456900	ug/L	7090.6	1.55%
QC value within limits for Ca 315.887 Recovery = 91.38%								
Cr 205.560†	-48.5	-1.67487	ug/L	0.652478	-1.67487	ug/L	0.652478	38.96%
Co 228.616†	170.0	5.05113	ug/L	0.165242	5.05113	ug/L	0.165242	3.27%
Cu 324.752†	-2361.9	-12.2454	ug/L	0.03906	-12.2454	ug/L	0.03906	0.32%
Fe 273.955†	3432033.6	180710	ug/L	2788.2	180710	ug/L	2788.2	1.54%
QC value within limits for Fe 273.955 Recovery = 90.36%								
Pb 220.353†	-710.7	11.2977	ug/L	2.88627	11.2977	ug/L	2.88627	25.55%
Mg 279.077†	7164629.9	496594	ug/L	7507.0	496594	ug/L	7507.0	1.51%
QC value within limits for Mg 279.077 Recovery = 99.32%								
Mn 257.610†	2242.3	-3.96200	ug/L	0.066507	-3.96200	ug/L	0.066507	1.68%
Ni 231.604†	-9.5	-0.502130	ug/L	0.3430545	-0.502130	ug/L	0.3430545	68.32%
K 766.490†	2991.3	19.3982	ug/L	0.53400	19.3982	ug/L	0.53400	2.75%
Se 196.026†	0.6	-1.95119	ug/L	1.528903	-1.95119	ug/L	1.528903	78.36%
Ag 338.289†	87.7	-19.0302	ug/L	0.28659	-19.0302	ug/L	0.28659	1.51%
Na 330.237†	-708.8	-1109.81	ug/L	28.386	-1109.81	ug/L	28.386	2.56%
Na 589.592†	19045.9	59.4690	ug/L	0.40539	59.4690	ug/L	0.40539	0.68%
Tl 190.801†	-42.3	4.19362	ug/L	1.609690	4.19362	ug/L	1.609690	38.38%
V 292.402†	-595.8	-5.67422	ug/L	0.267564	-5.67422	ug/L	0.267564	4.72%

Zn 206.200†	254.0	-5.40846 ug/L	0.301219	-5.40846 ug/L	0.301219	5.57%
B 249.677†	-116.5	-5.75106 ug/L	0.452926	-5.75106 ug/L	0.452926	7.88%
Mo 202.031†	-10.1	-1.00717 ug/L	0.518167	-1.00717 ug/L	0.518167	51.45%
Ce 413.764	-791.7				39.52	4.99%
Ti 334.940	43.0				26.71	62.10%
Sn 189.927	224.1				0.78	0.35%

All analyte(s) passed QC.

Sequence No.: 16 **Autosampler Location: 7**
Sample ID: ICSAB **Date Collected: 5/17/2011 6:01:29 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	43114.4	0.867	ug/L	0.0041				0.48%
Sc 361.383	234555.7	0.872	ug/L	0.0074				0.85%
Al 308.215†	8983909.3	509365	ug/L	4238.5	509365	ug/L	4238.5	0.83%
QC value within limits for Al 308.215 Recovery = 101.87%								
Sb 206.836†	2401.9	672.466	ug/L	12.9496	672.466	ug/L	12.9496	1.93%
QC value within limits for Sb 206.836 Recovery = 112.08%								
As 188.979†	231.0	110.188	ug/L	2.0887	110.188	ug/L	2.0887	1.90%
QC value within limits for As 188.979 Recovery = 110.19%								
Ba 233.527†	97883.8	516.461	ug/L	4.6906	516.461	ug/L	4.6906	0.91%
QC value within limits for Ba 233.527 Recovery = 103.29%								
Be 313.107†	402540.2	500.240	ug/L	4.4609	500.240	ug/L	4.4609	0.89%
QC value within limits for Be 313.107 Recovery = 100.05%								
Cd 226.502†	72300.9	985.165	ug/L	10.4928	985.165	ug/L	10.4928	1.07%
QC value within limits for Cd 226.502 Recovery = 98.52%								
Ca 315.887†	20988798.3	451581	ug/L	4061.2	451581	ug/L	4061.2	0.90%
QC value within limits for Ca 315.887 Recovery = 90.32%								
Cr 205.560†	14055.2	485.651	ug/L	5.0753	485.651	ug/L	5.0753	1.05%
QC value within limits for Cr 205.560 Recovery = 97.13%								
Co 228.616†	16269.6	483.631	ug/L	5.1117	483.631	ug/L	5.1117	1.06%
QC value within limits for Co 228.616 Recovery = 96.73%								
Cu 324.752†	103792.2	538.116	ug/L	4.2582	538.116	ug/L	4.2582	0.79%
QC value within limits for Cu 324.752 Recovery = 107.62%								
Fe 273.955†	3396981.0	178854	ug/L	1641.2	178854	ug/L	1641.2	0.92%
QC value within limits for Fe 273.955 Recovery = 89.43%								
Pb 220.353†	-209.8	58.3510	ug/L	1.05065	58.3510	ug/L	1.05065	1.80%
QC value within limits for Pb 220.353 Recovery = 116.70%								
Mg 279.077†	7066995.6	489827	ug/L	4666.3	489827	ug/L	4666.3	0.95%
QC value within limits for Mg 279.077 Recovery = 97.97%								
Mn 257.610†	208281.2	499.101	ug/L	4.5292	499.101	ug/L	4.5292	0.91%
QC value within limits for Mn 257.610 Recovery = 99.82%								
Ni 231.604†	18173.5	956.480	ug/L	11.6298	956.480	ug/L	11.6298	1.22%
QC value within limits for Ni 231.604 Recovery = 95.65%								
K 766.490†	3618.1	23.4632	ug/L	3.60281	23.4632	ug/L	3.60281	15.36%
Se 196.026†	76.0	48.9802	ug/L	1.97536	48.9802	ug/L	1.97536	4.03%
QC value within limits for Se 196.026 Recovery = 97.96%								
Ag 338.289†	14126.1	231.175	ug/L	2.4933	231.175	ug/L	2.4933	1.08%
QC value within limits for Ag 338.289 Recovery = 115.59%								
Na 330.237†	-708.4	-1108.72	ug/L	7.177	-1108.72	ug/L	7.177	0.65%
Na 589.592†	20972.6	65.4848	ug/L	3.19246	65.4848	ug/L	3.19246	4.88%
Tl 190.801†	250.5	99.5020	ug/L	0.98433	99.5020	ug/L	0.98433	0.99%
QC value within limits for Tl 190.801 Recovery = 99.50%								
V 292.402†	13223.0	502.909	ug/L	5.3349	502.909	ug/L	5.3349	1.06%
QC value within limits for V 292.402 Recovery = 100.58%								
Zn 206.200†	53971.1	951.302	ug/L	12.8265	951.302	ug/L	12.8265	1.35%
QC value within limits for Zn 206.200 Recovery = 95.13%								
B 249.677†	-108.1	-7.25028	ug/L	0.744700	-7.25028	ug/L	0.744700	10.27%
Mo 202.031†	-10.9	-1.09050	ug/L	0.489357	-1.09050	ug/L	0.489357	44.87%
Ce 413.764	-788.3						12.79	1.62%
Ti 334.940	78.7						36.47	46.32%
Sn 189.927	229.1						3.66	1.60%

All analyte(s) passed QC.

Sequence No.: 17
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/17/2011 6:12:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	47726.8	0.960	ug/L	0.0037				0.38%
Sc 361.383	260692.5	0.969	ug/L	0.0023				0.24%
Al 308.215†	176866.6	10173.9	ug/L	23.05	10173.9	ug/L	23.05	0.23%
QC value within limits for Al 308.215 Recovery = 101.74%								
Sb 206.836†	1986.0	558.175	ug/L	2.2874	558.175	ug/L	2.2874	0.41%
QC value greater than the upper limit for Sb 206.836 Recovery = 111.64%								
As 188.979†	2610.6	1091.45	ug/L	4.212	1091.45	ug/L	4.212	0.39%
QC value within limits for As 188.979 Recovery = 109.15%								
Ba 233.527†	1949395.2	10285.5	ug/L	16.77	10285.5	ug/L	16.77	0.16%
QC value within limits for Ba 233.527 Recovery = 102.86%								
Be 313.107†	205017.0	254.776	ug/L	0.7995	254.776	ug/L	0.7995	0.31%
QC value within limits for Be 313.107 Recovery = 101.91%								
Cd 226.502†	37295.2	525.863	ug/L	1.1343	525.863	ug/L	1.1343	0.22%
QC value within limits for Cd 226.502 Recovery = 105.17%								
Ca 315.887†	1194629.9	25702.9	ug/L	34.90	25702.9	ug/L	34.90	0.14%
QC value within limits for Ca 315.887 Recovery = 102.81%								
Cr 205.560†	29437.1	1017.14	ug/L	1.608	1017.14	ug/L	1.608	0.16%
QC value within limits for Cr 205.560 Recovery = 101.71%								
Co 228.616†	87277.4	2596.91	ug/L	4.217	2596.91	ug/L	4.217	0.16%
QC value within limits for Co 228.616 Recovery = 103.88%								
Cu 324.752†	241633.4	1252.76	ug/L	7.559	1252.76	ug/L	7.559	0.60%
QC value within limits for Cu 324.752 Recovery = 100.22%								
Fe 273.955†	97813.5	5094.17	ug/L	5.627	5094.17	ug/L	5.627	0.11%
QC value within limits for Fe 273.955 Recovery = 101.88%								
Pb 220.353†	10846.0	1030.96	ug/L	2.099	1030.96	ug/L	2.099	0.20%
QC value within limits for Pb 220.353 Recovery = 103.10%								
Mg 279.077†	369837.4	25634.1	ug/L	44.64	25634.1	ug/L	44.64	0.17%
QC value within limits for Mg 279.077 Recovery = 102.54%								
Mn 257.610†	1057368.0	2580.52	ug/L	6.273	2580.52	ug/L	6.273	0.24%
QC value within limits for Mn 257.610 Recovery = 103.22%								
Ni 231.604†	48754.5	2565.98	ug/L	6.292	2565.98	ug/L	6.292	0.25%
QC value within limits for Ni 231.604 Recovery = 102.64%								
K 766.490†	1134072.2	7354.37	ug/L	33.415	7354.37	ug/L	33.415	0.45%
QC value greater than the upper limit for K 766.490 Recovery = 122.57%								
Se 196.026†	1603.5	1095.13	ug/L	8.315	1095.13	ug/L	8.315	0.76%
QC value within limits for Se 196.026 Recovery = 109.51%								
Ag 338.289†	17878.2	319.610	ug/L	2.4543	319.610	ug/L	2.4543	0.77%
QC value within limits for Ag 338.289 Recovery = 106.54%								
Na 330.237†	9319.4	23837.7	ug/L	90.32	23837.7	ug/L	90.32	0.38%
QC value within limits for Na 330.237 Recovery = 95.35%								
Na 589.592†	Saturated2							
Unable to evaluate QC.								
Tl 190.801†	3139.9	1033.18	ug/L	3.012	1033.18	ug/L	3.012	0.29%
QC value within limits for Tl 190.801 Recovery = 103.32%								
V 292.402†	69249.7	2555.29	ug/L	5.198	2555.29	ug/L	5.198	0.20%
QC value within limits for V 292.402 Recovery = 102.21%								
Zn 206.200†	143095.1	2547.67	ug/L	5.215	2547.67	ug/L	5.215	0.20%
QC value within limits for Zn 206.200 Recovery = 101.91%								
B 249.677†	22063.9	1074.87	ug/L	21.153	1074.87	ug/L	21.153	1.97%
QC value within limits for B 249.677 Recovery = 107.49%								
Mo 202.031†	10704.8	1066.66	ug/L	7.515	1066.66	ug/L	7.515	0.70%
QC value within limits for Mo 202.031 Recovery = 106.67%								
Ce 413.764	-26.4						23.69	89.64%
Ti 334.940	364.1						8.71	2.39%
Sn 189.927	114.7						0.84	0.73%

QC Failed. Continue with analysis.

Sequence No.: 18
Sample ID: CCB
Analyst:
Initial Sample Wt:

Autosampler Location: 1
Date Collected: 5/17/2011 6:19:31 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	50636.0	1.02	ug/L	0.005				0.50%
Sc 361.383	273378.7	1.02	ug/L	0.005				0.53%
Al 308.215†	418.7	23.7517	ug/L	0.50940	23.7517	ug/L	0.50940	2.14%
QC value within limits for Al 308.215 Recovery = Not calculated								
Sb 206.836†	1.8	0.501639	ug/L	0.2373777	0.501639	ug/L	0.2373777	47.32%
As 188.979†	2.3	0.947581	ug/L	1.2066199	0.947581	ug/L	1.2066199	127.34%
Ba 233.527†	296.2	1.56303	ug/L	0.099129	1.56303	ug/L	0.099129	6.34%
Be 313.107†	80.7	0.100330	ug/L	0.0218835	0.100330	ug/L	0.0218835	21.81%
Cd 226.502†	15.0	0.209102	ug/L	0.1684320	0.209102	ug/L	0.1684320	80.55%
Ca 315.887†	1417.9	30.5071	ug/L	2.81314	30.5071	ug/L	2.81314	9.22%
Cr 205.560†	5.5	0.190153	ug/L	0.1540505	0.190153	ug/L	0.1540505	81.01%
Co 228.616†	18.4	0.548032	ug/L	0.1081054	0.548032	ug/L	0.1081054	19.73%
Cu 324.752†	16.5	0.0852981	ug/L	0.15624869	0.0852981	ug/L	0.15624869	183.18%
Fe 273.955†	211.6	11.1295	ug/L	0.22563	11.1295	ug/L	0.22563	2.03%
Pb 220.353†	-2.9	-0.265880	ug/L	0.9523121	-0.265880	ug/L	0.9523121	358.17%
Mg 279.077†	424.5	29.4203	ug/L	1.97412	29.4203	ug/L	1.97412	6.71%
Mn 257.610†	172.9	0.421527	ug/L	0.0280989	0.421527	ug/L	0.0280989	6.67%
Ni 231.604†	9.7	0.508317	ug/L	0.1320737	0.508317	ug/L	0.1320737	25.98%
K 766.490†	136.1	0.882442	ug/L	0.2278768	0.882442	ug/L	0.2278768	25.82%
Se 196.026†	-1.6	-1.06337	ug/L	0.946200	-1.06337	ug/L	0.946200	88.98%
Ag 338.289†	32.2	0.571527	ug/L	0.3797515	0.571527	ug/L	0.3797515	66.45%
Na 330.237†	0.3	654.340	ug/L	42.7868	654.340	ug/L	42.7868	6.54%
Na 589.592†	782.9	2.44448	ug/L	0.224061	2.44448	ug/L	0.224061	9.17%
Tl 190.801†	1.1	0.380132	ug/L	0.5355742	0.380132	ug/L	0.5355742	140.89%
V 292.402†	12.6	0.470920	ug/L	0.3018312	0.470920	ug/L	0.3018312	64.09%
Zn 206.200†	26.6	0.472356	ug/L	0.0730207	0.472356	ug/L	0.0730207	15.46%
B 249.677†	153.1	7.52796	ug/L	0.512559	7.52796	ug/L	0.512559	6.81%
Mo 202.031†	9.2	0.915086	ug/L	0.1452165	0.915086	ug/L	0.1452165	15.87%
Ce 413.764	7.1						9.67	136.98%
Ti 334.940	-14.7						23.58	160.53%
Sn 189.927	1.1						1.36	120.52%

All analyte(s) passed QC.

Sequence No.: 19
Sample ID: mb 46984-1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 5/17/2011 6:26:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: mb 46984-1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	50980.2	1.03	ug/L	0.011				1.10%
Sc 361.383	281650.2	1.05	ug/L	0.008				0.77%
Al 308.215†	321.0	18.2137	ug/L	2.11206	18.2137	ug/L	2.11206	11.60%
Sb 206.836†	-1.4	-0.391001	ug/L	0.9128086	-0.391001	ug/L	0.9128086	233.45%
As 188.979†	0.7	0.293562	ug/L	0.9291710	0.293562	ug/L	0.9291710	316.52%
Ba 233.527†	173.4	0.914985	ug/L	0.1302357	0.914985	ug/L	0.1302357	14.23%
Be 313.107†	102.6	0.127497	ug/L	0.0174673	0.127497	ug/L	0.0174673	13.70%
Cd 226.502†	7.9	0.109470	ug/L	0.1053469	0.109470	ug/L	0.1053469	96.23%
Ca 315.887†	1636.3	35.2047	ug/L	1.20743	35.2047	ug/L	1.20743	3.43%
Cr 205.560†	6.7	0.231041	ug/L	0.0386712	0.231041	ug/L	0.0386712	16.74%
Co 228.616†	12.9	0.383396	ug/L	0.0130004	0.383396	ug/L	0.0130004	3.39%
Cu 324.752†	-39.8	-0.206196	ug/L	0.0808429	-0.206196	ug/L	0.0808429	39.21%
Fe 273.955†	173.2	9.11276	ug/L	0.635758	9.11276	ug/L	0.635758	6.98%
Pb 220.353†	-1.4	-0.125767	ug/L	0.5593509	-0.125767	ug/L	0.5593509	444.75%
Mg 279.077†	342.5	23.7399	ug/L	1.72318	23.7399	ug/L	1.72318	7.26%
Mn 257.610†	119.2	0.290460	ug/L	0.0242382	0.290460	ug/L	0.0242382	8.34%
Ni 231.604†	4.0	0.209738	ug/L	0.2146771	0.209738	ug/L	0.2146771	102.35%
K 766.490†	259.8	1.68469	ug/L	0.601139	1.68469	ug/L	0.601139	35.68%
Se 196.026†	-2.3	-1.60959	ug/L	0.930205	-1.60959	ug/L	0.930205	57.79%
Ag 338.289†	33.3	0.590248	ug/L	0.6714676	0.590248	ug/L	0.6714676	113.76%
Na 330.237†	21.9	707.943	ug/L	39.1391	707.943	ug/L	39.1391	5.53%
Na 589.592†	1958.0	6.11357	ug/L	0.301936	6.11357	ug/L	0.301936	4.94%

Tl 190.801†	-1.7	-0.577059	ug/L	0.8559207	-0.577059	ug/L	0.8559207 148.32%
V 292.402†	8.2	0.304711	ug/L	0.2252711	0.304711	ug/L	0.2252711 73.93%
Zn 206.200†	31.3	0.556111	ug/L	0.0329897	0.556111	ug/L	0.0329897 5.93%
B 249.677†	95.8	4.71072	ug/L	0.194471	4.71072	ug/L	0.194471 4.13%
Mo 202.031†	1.5	0.153756	ug/L	0.0423281	0.153756	ug/L	0.0423281 27.53%
Ce 413.764	36.8						19.83 53.95%
Ti 334.940	22.3						11.59 51.89%
Sn 189.927	1.0						1.13 107.69%

Sequence No.: 20
Sample ID: lcs 46984-2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 5/17/2011 6:32:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: lcs 46984-2

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	49162.8	0.989	ug/L	0.0277				2.80%
Sc 361.383	268216.4	0.997	ug/L	0.0285				2.86%
Al 308.215†	35507.0	2045.35	ug/L	76.769	2045.35	ug/L	76.769	3.75%
Sb 206.836†	2021.4	566.516	ug/L	14.4580	566.516	ug/L	14.4580	2.55%
As 188.979†	5084.9	2123.04	ug/L	62.174	2123.04	ug/L	62.174	2.93%
Ba 233.527†	196585.2	1037.24	ug/L	37.099	1037.24	ug/L	37.099	3.58%
Be 313.107†	796521.0	989.843	ug/L	28.1406	989.843	ug/L	28.1406	2.84%
Cd 226.502†	72296.6	1020.53	ug/L	36.657	1020.53	ug/L	36.657	3.59%
Ca 315.887†	95327.4	2051.00	ug/L	65.966	2051.00	ug/L	65.966	3.22%
Cr 205.560†	14523.3	501.826	ug/L	16.2935	501.826	ug/L	16.2935	3.25%
Co 228.616†	34932.5	1043.29	ug/L	37.697	1043.29	ug/L	37.697	3.61%
Cu 324.752†	394724.7	2046.47	ug/L	57.862	2046.47	ug/L	57.862	2.83%
Fe 273.955†	39031.0	2033.21	ug/L	71.990	2033.21	ug/L	71.990	3.54%
Pb 220.353†	21575.3	2045.30	ug/L	67.077	2045.30	ug/L	67.077	3.28%
Mg 279.077†	29229.9	2025.98	ug/L	70.608	2025.98	ug/L	70.608	3.49%
Mn 257.610†	426507.3	1041.05	ug/L	30.744	1041.05	ug/L	30.744	2.95%
Ni 231.604†	39553.2	2081.70	ug/L	74.409	2081.70	ug/L	74.409	3.57%
K 766.490†	796939.6	5168.09	ug/L	120.337	5168.09	ug/L	120.337	2.33%
Se 196.026†	3056.5	2093.35	ug/L	53.870	2093.35	ug/L	53.870	2.57%
Ag 338.289†	2937.3	53.3469	ug/L	1.32283	53.3469	ug/L	1.32283	2.48%
Na 330.237†	2953.0	7999.63	ug/L	280.855	7999.63	ug/L	280.855	3.51%
Na 589.592†	2647475.9	8266.48	ug/L	247.115	8266.48	ug/L	247.115	2.99%
Tl 190.801†	6131.4	2027.80	ug/L	58.375	2027.80	ug/L	58.375	2.88%
V 292.402†	27068.9	1007.20	ug/L	35.021	1007.20	ug/L	35.021	3.48%
Zn 206.200†	56115.3	999.242	ug/L	35.1193	999.242	ug/L	35.1193	3.51%
B 249.677†	42429.8	2082.82	ug/L	47.748	2082.82	ug/L	47.748	2.29%
Mo 202.031†	20974.9	2090.01	ug/L	66.977	2090.01	ug/L	66.977	3.20%
Ce 413.764	8.6						29.88	347.10%
Ti 334.940	264.6						18.66	7.05%
Sn 189.927	15.2						1.71	11.30%

Sequence No.: 21
Sample ID: 43563-1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 5/17/2011 6:39:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 43563-1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	48841.1	0.982	ug/L	0.0074				0.75%
Sc 361.383	264540.0	0.983	ug/L	0.0099				1.01%
Al 308.215†	12018.0	681.343	ug/L	18.7069	681.343	ug/L	18.7069	2.75%
Sb 206.836†	22.1	6.18153	ug/L	0.953427	6.18153	ug/L	0.953427	15.42%
As 188.979†	-2.3	4.68507	ug/L	0.641521	4.68507	ug/L	0.641521	13.69%
Ba 233.527†	23848.8	125.833	ug/L	1.5352	125.833	ug/L	1.5352	1.22%
Be 313.107†	200.5	0.249184	ug/L	0.0335815	0.249184	ug/L	0.0335815	13.48%
Cd 226.502†	142.4	1.78363	ug/L	0.089125	1.78363	ug/L	0.089125	5.00%
Ca 315.887†	8756769.9	188405	ug/L	3032.9	188405	ug/L	3032.9	1.61%
Cr 205.560†	74.9	2.58736	ug/L	0.111566	2.58736	ug/L	0.111566	4.31%

Co 228.616†	60.6	1.81887 ug/L	0.063660	1.81887 ug/L	0.063660	3.50%
Cu 324.752†	3015.9	15.6359 ug/L	0.35141	15.6359 ug/L	0.35141	2.25%
Fe 273.955†	21634.1	1139.09 ug/L	16.684	1139.09 ug/L	16.684	1.46%
Pb 220.353†	196.2	21.4432 ug/L	1.16790	21.4432 ug/L	1.16790	5.45%
Mg 279.077†	183005.5	12684.5 ug/L	143.30	12684.5 ug/L	143.30	1.13%
Mn 257.610†	50358.8	122.683 ug/L	1.6145	122.683 ug/L	1.6145	1.32%
Ni 231.604†	22.1	1.16230 ug/L	0.091049	1.16230 ug/L	0.091049	7.83%
K 766.490†	1099049.4	7127.25 ug/L	69.276	7127.25 ug/L	69.276	0.97%
Se 196.026†	-1.0	-3.31637 ug/L	1.165800	-3.31637 ug/L	1.165800	35.15%
Ag 338.289†	125.6	-6.24496 ug/L	0.099242	-6.24496 ug/L	0.099242	1.59%
Na 330.237†	2235.2	6214.03 ug/L	101.657	6214.03 ug/L	101.657	1.64%
Na 589.592†	2663428.9	8316.29 ug/L	120.401	8316.29 ug/L	120.401	1.45%
Tl 190.801†	-13.2	3.10035 ug/L	1.041326	3.10035 ug/L	1.041326	33.59%
V 292.402†	42.0	1.68507 ug/L	0.161218	1.68507 ug/L	0.161218	9.57%
Zn 206.200†	3170.6	56.2076 ug/L	0.61816	56.2076 ug/L	0.61816	1.10%
B 249.677†	2318.0	114.008 ug/L	1.7282	114.008 ug/L	1.7282	1.52%
Mo 202.031†	71.0	7.07354 ug/L	0.169426	7.07354 ug/L	0.169426	2.40%
Ce 413.764	80.3				16.92	21.08%
Ti 334.940	1896.2				24.36	1.28%
Sn 189.927	66.1				3.03	4.58%

Sequence No.: 22
Sample ID: 43563-2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 5/17/2011 6:46:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 43563-2

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	48368.8	0.973	ug/L	0.0012				0.12%
Sc 361.383	264133.9	0.982	ug/L	0.0042				0.43%
Al 308.215†	6503.7	368.517	ug/L	5.6306	368.517	ug/L	5.6306	1.53%
Sb 206.836†	12.9	3.59325	ug/L	0.186251	3.59325	ug/L	0.186251	5.18%
As 188.979†	7.2	7.87925	ug/L	0.380422	7.87925	ug/L	0.380422	4.83%
Ba 233.527†	27181.6	143.417	ug/L	0.8444	143.417	ug/L	0.8444	0.59%
Be 313.107†	16.1	0.0199748	ug/L	0.01535312	0.0199748	ug/L	0.01535312	76.86%
Cd 226.502†	295.4	-1.69522	ug/L	0.135852	-1.69522	ug/L	0.135852	8.01%
Ca 315.887†	7580965.5	163107	ug/L	1229.3	163107	ug/L	1229.3	0.75%
Cr 205.560†	31.2	1.07827	ug/L	0.306753	1.07827	ug/L	0.306753	28.45%
Co 228.616†	151.3	4.50785	ug/L	0.110821	4.50785	ug/L	0.110821	2.46%
Cu 324.752†	15726.0	81.5324	ug/L	0.56979	81.5324	ug/L	0.56979	0.70%
Fe 273.955†	557116.8	29334.4	ug/L	218.51	29334.4	ug/L	218.51	0.74%
Pb 220.353†	526.4	52.2867	ug/L	0.69557	52.2867	ug/L	0.69557	1.33%
Mg 279.077†	179749.3	12458.8	ug/L	58.76	12458.8	ug/L	58.76	0.47%
Mn 257.610†	2115166.3	5162.82	ug/L	38.554	5162.82	ug/L	38.554	0.75%
Ni 231.604†	48.4	2.54811	ug/L	0.029529	2.54811	ug/L	0.029529	1.16%
K 766.490†	1608631.1	10431.9	ug/L	90.14	10431.9	ug/L	90.14	0.86%
Se 196.026†	0.5	-2.70294	ug/L	0.433116	-2.70294	ug/L	0.433116	16.02%
Ag 338.289†	84.1	-5.84984	ug/L	0.223255	-5.84984	ug/L	0.223255	3.82%
Na 330.237†	12884.1	32705.5	ug/L	149.38	32705.5	ug/L	149.38	0.46%
Na 589.592†	Saturated2							
Tl 190.801†	-2.8	3.00566	ug/L	1.949466	3.00566	ug/L	1.949466	64.86%
V 292.402†	-67.6	0.174073	ug/L	0.0624107	0.174073	ug/L	0.0624107	35.85%
Zn 206.200†	12772.3	227.195	ug/L	1.1747	227.195	ug/L	1.1747	0.52%
B 249.677†	3653.9	179.705	ug/L	3.3457	179.705	ug/L	3.3457	1.86%
Mo 202.031†	48.5	4.83594	ug/L	0.193338	4.83594	ug/L	0.193338	4.00%
Ce 413.764	-117.5						14.74	12.54%
Ti 334.940	1022.1						32.08	3.14%
Sn 189.927	70.1						3.22	4.59%

Sequence No.: 23
Sample ID: 43563-3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 5/17/2011 6:54:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 43563-3

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	49681.2	0.999	ug/L	0.0169				1.69%
Sc 361.383	268818.5	0.999	ug/L	0.0191				1.92%
Al 308.215†	1143.6	64.7948	ug/L	3.78706	64.7948	ug/L	3.78706	5.84%
Sb 206.836†	9.9	2.75640	ug/L	0.704464	2.75640	ug/L	0.704464	25.56%
As 188.979†	4.2	3.27048	ug/L	0.975651	3.27048	ug/L	0.975651	29.83%
Ba 233.527†	5566.3	29.3693	ug/L	0.63927	29.3693	ug/L	0.63927	2.18%
Be 313.107†	26.3	0.0326667	ug/L	0.03184212	0.0326667	ug/L	0.03184212	97.48%
Cd 226.502†	77.3	0.897543	ug/L	0.0141249	0.897543	ug/L	0.0141249	1.57%
Ca 315.887†	2368508.4	50959.3	ug/L	1017.01	50959.3	ug/L	1017.01	2.00%
Cr 205.560†	21.0	0.725622	ug/L	0.1618806	0.725622	ug/L	0.1618806	22.31%
Co 228.616†	32.0	0.958534	ug/L	0.0580450	0.958534	ug/L	0.0580450	6.06%
Cu 324.752†	805.1	4.17388	ug/L	0.239798	4.17388	ug/L	0.239798	5.75%
Fe 273.955†	18390.3	968.320	ug/L	22.0692	968.320	ug/L	22.0692	2.28%
Pb 220.353†	136.1	13.6470	ug/L	0.25445	13.6470	ug/L	0.25445	1.86%
Mg 279.077†	96623.2	6697.14	ug/L	160.048	6697.14	ug/L	160.048	2.39%
Mn 257.610†	424171.6	1035.26	ug/L	20.745	1035.26	ug/L	20.745	2.00%
Ni 231.604†	21.3	1.12250	ug/L	0.032354	1.12250	ug/L	0.032354	2.88%
K 766.490†	512508.3	3323.58	ug/L	66.623	3323.58	ug/L	66.623	2.00%
Se 196.026†	-0.5	-1.95372	ug/L	1.665271	-1.95372	ug/L	1.665271	85.24%
Ag 338.289†	40.5	-1.57305	ug/L	0.190756	-1.57305	ug/L	0.190756	12.13%
Na 330.237†	9779.1	24981.3	ug/L	451.47	24981.3	ug/L	451.47	1.81%
Na 589.592†	Saturated2							
Tl 190.801†	-6.3	-0.560925	ug/L	1.3391540	-0.560925	ug/L	1.3391540	238.74%
V 292.402†	4.0	0.251303	ug/L	0.0384224	0.251303	ug/L	0.0384224	15.29%
Zn 206.200†	1251.8	22.1573	ug/L	0.56208	22.1573	ug/L	0.56208	2.54%
B 249.677†	1320.1	64.9276	ug/L	1.70199	64.9276	ug/L	1.70199	2.62%
Mo 202.031†	34.9	3.47899	ug/L	0.398291	3.47899	ug/L	0.398291	11.45%
Ce 413.764	47.8						7.37	15.42%
Ti 334.940	206.5						10.60	5.13%
Sn 189.927	45.1						1.41	3.13%

Sequence No.: 24
Sample ID: du 43563-3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 5/17/2011 7:01:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: du 43563-3

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	49435.3	0.994	ug/L	0.0064				0.64%
Sc 361.383	267681.1	0.995	ug/L	0.0139				1.39%
Al 308.215†	1002.4	56.7768	ug/L	3.89363	56.7768	ug/L	3.89363	6.86%
Sb 206.836†	10.2	2.84948	ug/L	0.389231	2.84948	ug/L	0.389231	13.66%
As 188.979†	7.2	4.54140	ug/L	1.056844	4.54140	ug/L	1.056844	23.27%
Ba 233.527†	5563.9	29.3567	ug/L	0.47267	29.3567	ug/L	0.47267	1.61%
Be 313.107†	11.1	0.0138093	ug/L	0.04527046	0.0138093	ug/L	0.04527046	327.83%
Cd 226.502†	82.8	0.979593	ug/L	0.0374967	0.979593	ug/L	0.0374967	3.83%
Ca 315.887†	2371918.7	51032.7	ug/L	883.36	51032.7	ug/L	883.36	1.73%
Cr 205.560†	15.1	0.522927	ug/L	0.2525168	0.522927	ug/L	0.2525168	48.29%
Co 228.616†	29.1	0.871688	ug/L	0.0351670	0.871688	ug/L	0.0351670	4.03%
Cu 324.752†	746.9	3.87209	ug/L	0.083606	3.87209	ug/L	0.083606	2.16%
Fe 273.955†	18024.1	949.042	ug/L	12.3631	949.042	ug/L	12.3631	1.30%
Pb 220.353†	126.2	12.7058	ug/L	0.16125	12.7058	ug/L	0.16125	1.27%
Mg 279.077†	96864.9	6713.89	ug/L	101.851	6713.89	ug/L	101.851	1.52%
Mn 257.610†	421863.6	1029.63	ug/L	17.539	1029.63	ug/L	17.539	1.70%
Ni 231.604†	24.2	1.27533	ug/L	0.221951	1.27533	ug/L	0.221951	17.40%
K 766.490†	511376.3	3316.24	ug/L	64.992	3316.24	ug/L	64.992	1.96%
Se 196.026†	-0.5	-1.95285	ug/L	0.911788	-1.95285	ug/L	0.911788	46.69%
Ag 338.289†	42.7	-1.53911	ug/L	0.213396	-1.53911	ug/L	0.213396	13.86%
Na 330.237†	9766.5	24949.8	ug/L	404.79	24949.8	ug/L	404.79	1.62%
Na 589.592†	Saturated2							
Tl 190.801†	-5.9	-0.431339	ug/L	0.3731137	-0.431339	ug/L	0.3731137	86.50%
V 292.402†	-2.9	-0.0044491	ug/L	0.19486215	-0.0044491	ug/L	0.19486215	>999.9%
Zn 206.200†	1225.9	21.6969	ug/L	0.21832	21.6969	ug/L	0.21832	1.01%
B 249.677†	1288.0	63.3504	ug/L	1.59410	63.3504	ug/L	1.59410	2.52%
Mo 202.031†	34.6	3.44601	ug/L	0.386363	3.44601	ug/L	0.386363	11.21%
Ce 413.764	63.0						12.59	19.98%

Ti 334.940	221.4	13.67	6.17%
Sn 189.927	44.3	1.85	4.18%

Sequence No.: 25
Sample ID: ms 43563-3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 5/17/2011 7:07:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ms 43563-3

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	49725.5	1.00	ug/L	0.001				0.11%
Sc 361.383	274701.0	1.02	ug/L	0.022				2.12%
Al 308.215†	32814.0	1874.76	ug/L	60.914	1874.76	ug/L	60.914	3.25%
Sb 206.836†	1723.7	482.690	ug/L	13.6711	482.690	ug/L	13.6711	2.83%
As 188.979†	4712.2	1969.15	ug/L	49.722	1969.15	ug/L	49.722	2.53%
Ba 233.527†	354179.8	1868.75	ug/L	47.519	1868.75	ug/L	47.519	2.54%
Be 313.107†	35139.1	43.6677	ug/L	1.04871	43.6677	ug/L	1.04871	2.40%
Cd 226.502†	3346.7	46.9316	ug/L	1.14833	46.9316	ug/L	1.14833	2.45%
Ca 315.887†	2238176.8	48155.2	ug/L	1146.18	48155.2	ug/L	1146.18	2.38%
Cr 205.560†	5879.0	203.139	ug/L	4.3198	203.139	ug/L	4.3198	2.13%
Co 228.616†	15686.0	468.519	ug/L	11.1229	468.519	ug/L	11.1229	2.37%
Cu 324.752†	44698.4	231.741	ug/L	7.6657	231.741	ug/L	7.6657	3.31%
Fe 273.955†	35591.9	1864.15	ug/L	49.647	1864.15	ug/L	49.647	2.66%
Pb 220.353†	4880.8	464.202	ug/L	9.8702	464.202	ug/L	9.8702	2.13%
Mg 279.077†	91186.5	6320.31	ug/L	146.097	6320.31	ug/L	146.097	2.31%
Mn 257.610†	579448.8	1414.30	ug/L	36.028	1414.30	ug/L	36.028	2.55%
Ni 231.604†	9047.1	476.154	ug/L	11.0929	476.154	ug/L	11.0929	2.33%
K 766.490†	494083.8	3204.10	ug/L	86.456	3204.10	ug/L	86.456	2.70%
Se 196.026†	2879.2	1970.58	ug/L	52.914	1970.58	ug/L	52.914	2.69%
Ag 338.289†	-38.9	-2.28273	ug/L	0.456478	-2.28273	ug/L	0.456478	20.00%
Na 330.237†	9180.4	23491.8	ug/L	461.38	23491.8	ug/L	461.38	1.96%
Na 589.592†	Saturated2							
Tl 190.801†	5462.5	1808.75	ug/L	38.603	1808.75	ug/L	38.603	2.13%
V 292.402†	12226.0	455.059	ug/L	9.7351	455.059	ug/L	9.7351	2.14%
Zn 206.200†	27235.2	484.869	ug/L	12.2241	484.869	ug/L	12.2241	2.52%
B 249.677†	20895.2	1025.90	ug/L	42.236	1025.90	ug/L	42.236	4.12%
Mo 202.031†	9593.3	955.907	ug/L	24.0145	955.907	ug/L	24.0145	2.51%
Ce 413.764	-5.5						14.39	263.80%
Ti 334.940	386237.4						3381.39	0.88%
Sn 189.927	3943.7						24.29	0.62%

Sequence No.: 26
Sample ID: sd 43563-3
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 31
Date Collected: 5/17/2011 7:14:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: sd 43563-3

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	49583.9	0.997	ug/L	0.0032				0.32%
Sc 361.383	272130.0	1.01	ug/L	0.017				1.73%
Al 308.215†	188.6	10.6665	ug/L	3.26783	53.3326	ug/L	16.33913	30.64%
Sb 206.836†	7.5	2.09155	ug/L	1.716614	10.4578	ug/L	8.58307	82.07%
As 188.979†	4.0	1.98122	ug/L	0.660642	9.90609	ug/L	3.303208	33.35%
Ba 233.527†	1122.0	5.91987	ug/L	0.100589	29.5993	ug/L	0.50295	1.70%
Be 313.107†	10.1	0.0125047	ug/L	0.01670881	0.0625233	ug/L	0.08354405	133.62%
Cd 226.502†	25.4	0.320081	ug/L	0.0552210	1.60040	ug/L	0.276105	17.25%
Ca 315.887†	460665.4	9911.38	ug/L	279.510	49556.9	ug/L	1397.55	2.82%
Cr 205.560†	8.5	0.294681	ug/L	0.0965208	1.47341	ug/L	0.482604	32.75%
Co 228.616†	7.3	0.220992	ug/L	0.1732750	1.10496	ug/L	0.866375	78.41%
Cu 324.752†	167.1	0.866278	ug/L	0.3579391	4.33139	ug/L	1.789695	41.32%
Fe 273.955†	3630.9	191.179	ug/L	3.2778	955.896	ug/L	16.3888	1.71%
Pb 220.353†	24.9	2.50298	ug/L	0.718023	12.5149	ug/L	3.59011	28.69%
Mg 279.077†	19138.7	1326.54	ug/L	26.263	6632.70	ug/L	131.315	1.98%
Mn 257.610†	83878.8	204.720	ug/L	4.2318	1023.60	ug/L	21.159	2.07%

Ni 231.604†	84.1	4.42416 ug/L	0.149569	22.1208 ug/L	0.74785	3.38%
K 766.490†	75731.1	491.110 ug/L	13.3824	2455.55 ug/L	66.912	2.72%
Se 196.026†	0.4	-0.0545461 ug/L	1.80657879	-0.272731 ug/L	9.0328939	>999.9%
Ag 338.289†	37.9	0.226900 ug/L	0.2620819	1.13450 ug/L	1.310409	115.51%
Na 330.237†	1711.2	4910.54 ug/L	107.981	24552.7 ug/L	539.90	2.20%
Na 589.592†	1459501.5	4557.15 ug/L	115.507	22785.7 ug/L	577.53	2.53%
Tl 190.801†	-1.0	-0.0226219 ug/L	1.11239063	-0.113109 ug/L	5.5619532	>999.9%
V 292.402†	0.2	0.0324794 ug/L	0.08706260	0.162397 ug/L	0.4353130	268.05%
Zn 206.200†	384.1	6.81289 ug/L	0.194635	34.0645 ug/L	0.97318	2.86%
B 249.677†	402.0	19.7734 ug/L	0.09380	98.8671 ug/L	0.46901	0.47%
Mo 202.031†	17.9	1.78021 ug/L	0.177379	8.90105 ug/L	0.886896	9.96%
Ce 413.764	46.0				16.42	35.70%
Ti 334.940	205.5				35.64	17.34%
Sn 189.927	14.9				3.25	21.77%

Sequence No.: 27
Sample ID: 43563-4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 5/17/2011 7:21:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 43563-4

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	129814.2	2.61	ug/L	0.025				0.94%
Sc 361.383	705074.1	2.62	ug/L	0.037				1.40%
Al 308.215†	-2426.1	-137.465	ug/L	1.4971	-137.465	ug/L	1.4971	1.09%
Sb 206.836†	-4.3	-1.18808	ug/L	0.280257	-1.18808	ug/L	0.280257	23.59%
As 188.979†	7.5	3.15402	ug/L	0.405426	3.15402	ug/L	0.405426	12.85%
Ba 233.527†	-91.9	-0.484655	ug/L	0.0259627	-0.484655	ug/L	0.0259627	5.36%
Be 313.107†	740.1	0.919680	ug/L	0.0123427	0.919680	ug/L	0.0123427	1.34%
Cd 226.502†	38.3	0.539708	ug/L	0.0090064	0.539708	ug/L	0.0090064	1.67%
Ca 315.887†	5020.3	108.013	ug/L	0.8724	108.013	ug/L	0.8724	0.81%
Cr 205.560†	14.8	0.511337	ug/L	0.0489748	0.511337	ug/L	0.0489748	9.58%
Co 228.616†	29.2	0.867389	ug/L	0.0836701	0.867389	ug/L	0.0836701	9.65%
Cu 324.752†	-1189.2	-6.16538	ug/L	0.096458	-6.16538	ug/L	0.096458	1.56%
Fe 273.955†	72.4	3.78445	ug/L	0.175149	3.78445	ug/L	0.175149	4.63%
Pb 220.353†	38.0	3.58248	ug/L	0.527866	3.58248	ug/L	0.527866	14.73%
Mg 279.077†	86.9	6.02477	ug/L	0.838753	6.02477	ug/L	0.838753	13.92%
Mn 257.610†	-145.0	-0.354000	ug/L	0.0205125	-0.354000	ug/L	0.0205125	5.79%
Ni 231.604†	23.9	1.26001	ug/L	0.087559	1.26001	ug/L	0.087559	6.95%
K 766.490†	-461.4	-2.99184	ug/L	0.257980	-2.99184	ug/L	0.257980	8.62%
Se 196.026†	-5.4	-3.68600	ug/L	1.147033	-3.68600	ug/L	1.147033	31.12%
Ag 338.289†	92.4	1.63730	ug/L	0.211660	1.63730	ug/L	0.211660	12.93%
Na 330.237†	-121.2	351.869	ug/L	7.7273	351.869	ug/L	7.7273	2.20%
Na 589.592†	210.4	0.656854	ug/L	0.7620644	0.656854	ug/L	0.7620644	116.02%
Tl 190.801†	25.5	8.44827	ug/L	1.345418	8.44827	ug/L	1.345418	15.93%
V 292.402†	35.7	1.31439	ug/L	0.024060	1.31439	ug/L	0.024060	1.83%
Zn 206.200†	5.0	0.0887442	ug/L	0.07632881	0.0887442	ug/L	0.07632881	86.01%
B 249.677†	35.2	1.72821	ug/L	0.122521	1.72821	ug/L	0.122521	7.09%
Mo 202.031†	3.1	0.306299	ug/L	0.1687299	0.306299	ug/L	0.1687299	55.09%
Ce 413.764	524.4						7.91	1.51%
Ti 334.940	94.5						23.98	25.37%
Sn 189.927	6.4						0.34	5.29%

Sequence No.: 28
Sample ID: 43676-2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 33
Date Collected: 5/17/2011 7:28:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 43676-2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Y 360.073	50477.5	1.02	ug/L	0.012				1.19%
Sc 361.383	272009.0	1.01	ug/L	0.005				0.50%
Al 308.215†	135.3	7.63515	ug/L	2.267689	7.63515	ug/L	2.267689	29.70%
Sb 206.836†	3.6	1.01632	ug/L	0.886720	1.01632	ug/L	0.886720	87.25%

As 188.979†	0.6	1.53297 ug/L	0.445406	1.53297 ug/L	0.445406	29.06%
Ba 233.527†	2872.7	15.1572 ug/L	0.06395	15.1572 ug/L	0.06395	0.42%
Be 313.107†	-48.5	-0.0602564 ug/L	0.00603583	-0.0602564 ug/L	0.00603583	10.02%
Cd 226.502†	62.5	0.877286 ug/L	0.0784944	0.877286 ug/L	0.0784944	8.95%
Ca 315.887†	2001501.9	43063.0 ug/L	109.90	43063.0 ug/L	109.90	0.26%
Cr 205.560†	41.8	1.44497 ug/L	0.118603	1.44497 ug/L	0.118603	8.21%
Co 228.616†	27.2	0.816045 ug/L	0.0318342	0.816045 ug/L	0.0318342	3.90%
Cu 324.752†	1177.1	6.10283 ug/L	0.191546	6.10283 ug/L	0.191546	3.14%
Fe 273.955†	535.3	28.1835 ug/L	0.62690	28.1835 ug/L	0.62690	2.22%
Pb 220.353†	-4.7	0.188955 ug/L	0.5119710	0.188955 ug/L	0.5119710	270.95%
Mg 279.077†	171513.7	11887.9 ug/L	39.55	11887.9 ug/L	39.55	0.33%
Mn 257.610†	1167.8	2.62476 ug/L	0.013855	2.62476 ug/L	0.013855	0.53%
Ni 231.604†	23.6	1.23990 ug/L	0.168201	1.23990 ug/L	0.168201	13.57%
K 766.490†	1674297.1	10857.7 ug/L	66.25	10857.7 ug/L	66.25	0.61%
Se 196.026†	0.3	-0.410961 ug/L	1.3178313	-0.410961 ug/L	1.3178313	320.67%
Ag 338.289†	50.7	-1.03781 ug/L	0.106851	-1.03781 ug/L	0.106851	10.30%
Na 330.237†	35393.5	88702.8 ug/L	275.22	88702.8 ug/L	275.22	0.31%
Na 589.592†	Saturated3					
Tl 190.801†	-2.7	0.810755 ug/L	0.9742752	0.810755 ug/L	0.9742752	120.17%
V 292.402†	5.0	0.200822 ug/L	0.1128893	0.200822 ug/L	0.1128893	56.21%
Zn 206.200†	1784.3	31.5357 ug/L	0.11792	31.5357 ug/L	0.11792	0.37%
B 249.677†	2041.5	100.410 ug/L	1.1098	100.410 ug/L	1.1098	1.11%
Mo 202.031†	32.0	3.18898 ug/L	0.033283	3.18898 ug/L	0.033283	1.04%
Ce 413.764	-54.4				21.76	39.99%
Ti 334.940	86.1				10.86	12.61%
Sn 189.927	220.7				2.20	1.00%

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Sequence No.: 29
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/17/2011 7:35:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	47968.4	0.965	ug/L	0.0067				0.69%
Sc 361.383	262057.6	0.974	ug/L	0.0117				1.20%
Al 308.215†	174474.8	10037.1	ug/L	98.19	10037.1	ug/L	98.19	0.98%
QC value within limits for Al 308.215 Recovery = 100.37%								
Sb 206.836†	1981.4	556.874	ug/L	7.1959	556.874	ug/L	7.1959	1.29%
QC value greater than the upper limit for Sb 206.836 Recovery = 111.37%								
As 188.979†	2610.2	1091.25	ug/L	16.481	1091.25	ug/L	16.481	1.51%
QC value within limits for As 188.979 Recovery = 109.12%								
Ba 233.527†	1911646.5	10086.4	ug/L	148.88	10086.4	ug/L	148.88	1.48%
QC value within limits for Ba 233.527 Recovery = 100.86%								
Be 313.107†	202870.7	252.109	ug/L	3.8880	252.109	ug/L	3.8880	1.54%
QC value within limits for Be 313.107 Recovery = 100.84%								
Cd 226.502†	37031.9	522.157	ug/L	7.2235	522.157	ug/L	7.2235	1.38%
QC value within limits for Cd 226.502 Recovery = 104.43%								
Ca 315.887†	1169369.3	25159.4	ug/L	392.71	25159.4	ug/L	392.71	1.56%
QC value within limits for Ca 315.887 Recovery = 100.64%								
Cr 205.560†	29170.5	1007.93	ug/L	12.037	1007.93	ug/L	12.037	1.19%
QC value within limits for Cr 205.560 Recovery = 100.79%								
Co 228.616†	86625.7	2577.52	ug/L	32.595	2577.52	ug/L	32.595	1.26%
QC value within limits for Co 228.616 Recovery = 103.10%								
Cu 324.752†	243653.5	1263.23	ug/L	7.861	1263.23	ug/L	7.861	0.62%
QC value within limits for Cu 324.752 Recovery = 101.06%								
Fe 273.955†	96391.3	5019.77	ug/L	65.542	5019.77	ug/L	65.542	1.31%
QC value within limits for Fe 273.955 Recovery = 100.40%								
Pb 220.353†	10761.5	1022.92	ug/L	12.375	1022.92	ug/L	12.375	1.21%
QC value within limits for Pb 220.353 Recovery = 102.29%								
Mg 279.077†	364474.7	25262.4	ug/L	354.58	25262.4	ug/L	354.58	1.40%
QC value within limits for Mg 279.077 Recovery = 101.05%								
Mn 257.610†	1045158.6	2550.72	ug/L	39.785	2550.72	ug/L	39.785	1.56%
QC value within limits for Mn 257.610 Recovery = 102.03%								
Ni 231.604†	48384.1	2546.48	ug/L	37.070	2546.48	ug/L	37.070	1.46%
QC value within limits for Ni 231.604 Recovery = 101.86%								
K 766.490†	1149877.7	7456.87	ug/L	90.049	7456.87	ug/L	90.049	1.21%
QC value greater than the upper limit for K 766.490 Recovery = 124.28%								

Se 196.026†	1610.6	1100.01 ug/L	16.708	1100.01 ug/L	16.708	1.52%
QC value greater than the upper limit for Se 196.026 Recovery = 110.00%						
Ag 338.289†	17938.9	320.686 ug/L	3.2348	320.686 ug/L	3.2348	1.01%
QC value within limits for Ag 338.289 Recovery = 106.90%						
Na 330.237†	9348.4	23909.8 ug/L	170.68	23909.8 ug/L	170.68	0.71%
QC value within limits for Na 330.237 Recovery = 95.64%						
Na 589.592†	Saturated2					
Unable to evaluate QC.						
Tl 190.801†	3125.6	1028.48 ug/L	12.426	1028.48 ug/L	12.426	1.21%
QC value within limits for Tl 190.801 Recovery = 102.85%						
V 292.402†	68659.0	2533.48 ug/L	29.370	2533.48 ug/L	29.370	1.16%
QC value within limits for V 292.402 Recovery = 101.34%						
Zn 206.200†	141803.8	2524.69 ug/L	39.306	2524.69 ug/L	39.306	1.56%
QC value within limits for Zn 206.200 Recovery = 100.99%						
B 249.677†	22180.3	1080.67 ug/L	25.872	1080.67 ug/L	25.872	2.39%
QC value within limits for B 249.677 Recovery = 108.07%						
Mo 202.031†	10608.1	1057.03 ug/L	19.176	1057.03 ug/L	19.176	1.81%
QC value within limits for Mo 202.031 Recovery = 105.70%						
Ce 413.764	-28.8				27.70	96.03%
Ti 334.940	381.0				5.53	1.45%
Sn 189.927	112.9				2.16	1.92%
QC Failed. Continue with analysis.						

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Sequence No.: 30
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/17/2011 7:42:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	50307.4	1.01	ug/L	0.016				1.54%
Sc 361.383	272047.7	1.01	ug/L	0.021				2.08%
Al 308.215†	19.6	1.12842	ug/L	1.929243	1.12842	ug/L	1.929243	170.97%
QC value within limits for Al 308.215 Recovery = Not calculated								
Sb 206.836†	1.9	0.528459	ug/L	0.3696006	0.528459	ug/L	0.3696006	69.94%
As 188.979†	0.8	0.337079	ug/L	0.4050583	0.337079	ug/L	0.4050583	120.17%
Ba 233.527†	300.4	1.58474	ug/L	0.159929	1.58474	ug/L	0.159929	10.09%
Be 313.107†	61.9	0.0769407	ug/L	0.04278822	0.0769407	ug/L	0.04278822	55.61%
Cd 226.502†	10.2	0.144012	ug/L	0.0963266	0.144012	ug/L	0.0963266	66.89%
Ca 315.887†	399.1	8.58665	ug/L	3.595828	8.58665	ug/L	3.595828	41.88%
Cr 205.560†	9.5	0.329096	ug/L	0.0988652	0.329096	ug/L	0.0988652	30.04%
Co 228.616†	16.6	0.496164	ug/L	0.0253081	0.496164	ug/L	0.0253081	5.10%
Cu 324.752†	21.9	0.113487	ug/L	0.1780518	0.113487	ug/L	0.1780518	156.89%
Fe 273.955†	14.6	0.755517	ug/L	0.2099340	0.755517	ug/L	0.2099340	27.79%
Pb 220.353†	4.7	0.443086	ug/L	0.5678903	0.443086	ug/L	0.5678903	128.17%
Mg 279.077†	25.8	1.78900	ug/L	0.245756	1.78900	ug/L	0.245756	13.74%
Mn 257.610†	193.8	0.473061	ug/L	0.0400342	0.473061	ug/L	0.0400342	8.46%
Ni 231.604†	11.5	0.607768	ug/L	0.2294820	0.607768	ug/L	0.2294820	37.76%
K 766.490†	110.3	0.715128	ug/L	0.3979488	0.715128	ug/L	0.3979488	55.65%
Se 196.026†	-1.1	-0.762191	ug/L	2.0779489	-0.762191	ug/L	2.0779489	272.63%
Ag 338.289†	32.9	0.584074	ug/L	0.4100023	0.584074	ug/L	0.4100023	70.20%
Na 330.237†	-8.2	633.203	ug/L	32.7511	633.203	ug/L	32.7511	5.17%
Na 589.592†	2333.6	7.28651	ug/L	0.329624	7.28651	ug/L	0.329624	4.52%
Tl 190.801†	0.0	0.0133447	ug/L	0.22291624	0.0133447	ug/L	0.22291624	>999.9%
V 292.402†	14.9	0.555000	ug/L	0.0887893	0.555000	ug/L	0.0887893	16.00%
Zn 206.200†	19.2	0.341173	ug/L	0.1050194	0.341173	ug/L	0.1050194	30.78%
B 249.677†	184.2	9.05804	ug/L	0.507463	9.05804	ug/L	0.507463	5.60%
Mo 202.031†	9.9	0.987906	ug/L	0.0962749	0.987906	ug/L	0.0962749	9.75%
Ce 413.764	40.3						9.44	23.44%
Ti 334.940	-10.6						13.60	128.10%
Sn 189.927	2.8						0.48	17.26%
All analyte(s) passed QC.								

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Sequence No.: 31
Sample ID: du 43676-2
Analyst:
Initial Sample Wt:

Autosampler Location: 34
Date Collected: 5/17/2011 7:48:31 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: du 43676-2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	50163.8	1.01	ug/L	0.007				0.74%
Sc 361.383	270364.7	1.00	ug/L	0.006				0.57%
Al 308.215†	188.1	10.6278	ug/L	3.22771	10.6278	ug/L	3.22771	30.37%
Sb 206.836†	5.1	1.41562	ug/L	0.535704	1.41562	ug/L	0.535704	37.84%
As 188.979†	-0.1	1.31161	ug/L	1.397469	1.31161	ug/L	1.397469	106.55%
Ba 233.527†	3137.1	16.5521	ug/L	0.17378	16.5521	ug/L	0.17378	1.05%
Be 313.107†	-44.9	-0.0557814	ug/L	0.01455688	-0.0557814	ug/L	0.01455688	26.10%
Cd 226.502†	62.8	0.880860	ug/L	0.0460597	0.880860	ug/L	0.0460597	5.23%
Ca 315.887†	2074152.7	44626.1	ug/L	817.16	44626.1	ug/L	817.16	1.83%
Cr 205.560†	53.2	1.83968	ug/L	0.298828	1.83968	ug/L	0.298828	16.24%
Co 228.616†	32.7	0.981133	ug/L	0.0809102	0.981133	ug/L	0.0809102	8.25%
Cu 324.752†	1360.6	7.05394	ug/L	0.202316	7.05394	ug/L	0.202316	2.87%
Fe 273.955†	588.3	30.9691	ug/L	1.04030	30.9691	ug/L	1.04030	3.36%
Pb 220.353†	2.3	0.878765	ug/L	0.4221927	0.878765	ug/L	0.4221927	48.04%
Mg 279.077†	175527.3	12166.1	ug/L	114.04	12166.1	ug/L	114.04	0.94%
Mn 257.610†	1347.0	3.05673	ug/L	0.041004	3.05673	ug/L	0.041004	1.34%
Ni 231.604†	29.2	1.53526	ug/L	0.270956	1.53526	ug/L	0.270956	17.65%
K 766.490†	1770063.4	11478.7	ug/L	180.73	11478.7	ug/L	180.73	1.57%
Se 196.026†	-1.0	-1.29822	ug/L	0.470466	-1.29822	ug/L	0.470466	36.24%
Ag 338.289†	55.0	-1.03021	ug/L	0.701696	-1.03021	ug/L	0.701696	68.11%
Na 330.237†	36475.3	91394.1	ug/L	660.33	91394.1	ug/L	660.33	0.72%
Na 589.592†	Saturated3							
Tl 190.801†	-7.1	-0.554487	ug/L	0.8157030	-0.554487	ug/L	0.8157030	147.11%
V 292.402†	6.5	0.262214	ug/L	0.1138371	0.262214	ug/L	0.1138371	43.41%
Zn 206.200†	1874.3	33.1344	ug/L	0.24299	33.1344	ug/L	0.24299	0.73%
B 249.677†	2062.7	101.452	ug/L	0.6925	101.452	ug/L	0.6925	0.68%
Mo 202.031†	37.0	3.69175	ug/L	0.270819	3.69175	ug/L	0.270819	7.34%
Ce 413.764	-58.4						20.58	35.22%
Ti 334.940	93.3						18.88	20.24%
Sn 189.927	221.1						2.64	1.19%

Sequence No.: 32
Sample ID: ms 43676-2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 35
Date Collected: 5/17/2011 7:55:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ms 43676-2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	50509.4	1.02	ug/L	0.006				0.56%
Sc 361.383	275824.4	1.03	ug/L	0.009				0.85%
Al 308.215†	34064.4	1946.15	ug/L	12.154	1946.15	ug/L	12.154	0.62%
Sb 206.836†	1798.8	503.720	ug/L	10.1290	503.720	ug/L	10.1290	2.01%
As 188.979†	4966.8	2075.31	ug/L	17.756	2075.31	ug/L	17.756	0.86%
Ba 233.527†	351082.8	1852.41	ug/L	6.167	1852.41	ug/L	6.167	0.33%
Be 313.107†	36705.4	45.6141	ug/L	0.23174	45.6141	ug/L	0.23174	0.51%
Cd 226.502†	3354.3	47.2020	ug/L	0.16456	47.2020	ug/L	0.16456	0.35%
Ca 315.887†	1954034.5	42041.7	ug/L	160.26	42041.7	ug/L	160.26	0.38%
Cr 205.560†	6280.9	217.025	ug/L	1.1283	217.025	ug/L	1.1283	0.52%
Co 228.616†	15830.5	472.826	ug/L	3.2289	472.826	ug/L	3.2289	0.68%
Cu 324.752†	48110.4	249.431	ug/L	1.4545	249.431	ug/L	1.4545	0.58%
Fe 273.955†	20155.5	1051.15	ug/L	8.296	1051.15	ug/L	8.296	0.79%
Pb 220.353†	4738.1	450.620	ug/L	4.0052	450.620	ug/L	4.0052	0.89%
Mg 279.077†	167712.1	11624.4	ug/L	43.21	11624.4	ug/L	43.21	0.37%
Mn 257.610†	195819.5	477.769	ug/L	1.9590	477.769	ug/L	1.9590	0.41%
Ni 231.604†	9225.1	485.522	ug/L	3.0644	485.522	ug/L	3.0644	0.63%
K 766.490†	1640999.3	10641.8	ug/L	30.51	10641.8	ug/L	30.51	0.29%
Se 196.026†	3160.6	2164.25	ug/L	28.395	2164.25	ug/L	28.395	1.31%
Ag 338.289†	-108.6	-3.23429	ug/L	0.248130	-3.23429	ug/L	0.248130	7.67%
Na 330.237†	34346.5	86098.1	ug/L	478.72	86098.1	ug/L	478.72	0.56%
Na 589.592†	Saturated3							
Tl 190.801†	5467.0	1810.45	ug/L	11.506	1810.45	ug/L	11.506	0.64%
V 292.402†	12485.6	464.572	ug/L	3.1654	464.572	ug/L	3.1654	0.68%

Zn 206.200†	28355.3	504.709	ug/L	2.6973	504.709	ug/L	2.6973	0.53%
B 249.677†	23615.5	1159.68	ug/L	20.045	1159.68	ug/L	20.045	1.73%
Mo 202.031†	9651.6	961.720	ug/L	13.5938	961.720	ug/L	13.5938	1.41%
Ce 413.764	-17.8						28.98	163.07%
Ti 334.940	393394.2						363.71	0.09%
Sn 189.927	4080.9						4.53	0.11%

Sequence No.: 33
Sample ID: sd 43676-2
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 36
Date Collected: 5/17/2011 8:02:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: sd 43676-2

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	49851.7	1.00	ug/L	0.006				0.59%
Sc 361.383	275955.7	1.03	ug/L	0.008				0.77%
Al 308.215†	-56.9	-3.24784	ug/L	2.850347	-16.2392	ug/L	14.25173	87.76%
Sb 206.836†	5.4	1.50212	ug/L	0.939419	7.51060	ug/L	4.697094	62.54%
As 188.979†	3.2	1.58468	ug/L	0.920275	7.92342	ug/L	4.601376	58.07%
Ba 233.527†	581.0	3.06537	ug/L	0.008170	15.3269	ug/L	0.04085	0.27%
Be 313.107†	4.5	0.0056401	ug/L	0.02390221	0.0282007	ug/L	0.11951104	423.79%
Cd 226.502†	21.2	0.297645	ug/L	0.0258288	1.48822	ug/L	0.129144	8.68%
Ca 315.887†	394917.9	8496.80	ug/L	125.656	42484.0	ug/L	628.28	1.48%
Cr 205.560†	6.7	0.230732	ug/L	0.1363087	1.15366	ug/L	0.681543	59.08%
Co 228.616†	8.5	0.257883	ug/L	0.0948733	1.28942	ug/L	0.474366	36.79%
Cu 324.752†	207.1	1.07375	ug/L	0.192921	5.36877	ug/L	0.964603	17.97%
Fe 273.955†	100.1	5.26723	ug/L	0.350325	26.3362	ug/L	1.75162	6.65%
Pb 220.353†	-9.1	-0.738306	ug/L	0.4841580	-3.69153	ug/L	2.420790	65.58%
Mg 279.077†	33972.5	2354.69	ug/L	34.090	11773.5	ug/L	170.45	1.45%
Mn 257.610†	222.8	0.498999	ug/L	0.0152685	2.49499	ug/L	0.076343	3.06%
Ni 231.604†	89.6	4.71438	ug/L	0.242937	23.5719	ug/L	1.21469	5.15%
K 766.490†	220515.4	1430.03	ug/L	19.788	7150.13	ug/L	98.942	1.38%
Se 196.026†	0.1	-0.0718053	ug/L	1.04292861	-0.359026	ug/L	5.2146431	>999.9%
Ag 338.289†	60.6	0.694973	ug/L	0.3313643	3.47487	ug/L	1.656822	47.68%
Na 330.237†	5727.3	14901.5	ug/L	258.51	74507.5	ug/L	1292.55	1.73%
Na 589.592†	5020114.6	15674.8	ug/L	358.15	78374.1	ug/L	1790.75	2.28%
Tl 190.801†	0.5	0.508312	ug/L	0.5689706	2.54156	ug/L	2.844853	111.93%
V 292.402†	5.4	0.208954	ug/L	0.0878084	1.04477	ug/L	0.439042	42.02%
Zn 206.200†	496.8	8.79974	ug/L	0.077662	43.9987	ug/L	0.38831	0.88%
B 249.677†	576.5	28.3554	ug/L	0.67873	141.777	ug/L	3.3936	2.39%
Mo 202.031†	21.9	2.18194	ug/L	0.351568	10.9097	ug/L	1.75784	16.11%
Ce 413.764	-49.1						41.29	84.13%
Ti 334.940	244.4						31.59	12.92%
Sn 189.927	55.3						3.24	5.86%

Sequence No.: 34
Sample ID: CRI
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 5/17/2011 8:09:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	49085.2	0.987	ug/L	0.0033				0.33%
Sc 361.383	268917.9	0.999	ug/L	0.0104				1.04%
Al 308.215†	3384.5	195.125	ug/L	3.1046	195.125	ug/L	3.1046	1.59%
QC value within limits for Al 308.215 Recovery = 97.56%								
Sb 206.836†	225.0	62.9910	ug/L	1.63307	62.9910	ug/L	1.63307	2.59%
QC value within limits for Sb 206.836 Recovery = 104.99%								
As 188.979†	26.7	11.3246	ug/L	2.12836	11.3246	ug/L	2.12836	18.79%
QC value within limits for As 188.979 Recovery = 113.25%								
Ba 233.527†	39689.4	209.412	ug/L	3.1310	209.412	ug/L	3.1310	1.50%
QC value within limits for Ba 233.527 Recovery = 104.71%								
Be 313.107†	3996.4	4.96634	ug/L	0.028900	4.96634	ug/L	0.028900	0.58%
QC value within limits for Be 313.107 Recovery = 99.33%								

Cd 226.502†	378.2	5.32487 ug/L	0.107628	5.32487 ug/L	0.107628	2.02%
QC value within limits for Cd 226.502 Recovery = 106.50%						
Ca 315.887†	239914.5	5161.85 ug/L	77.877	5161.85 ug/L	77.877	1.51%
QC value within limits for Ca 315.887 Recovery = 103.24%						
Cr 205.560†	299.7	10.3572 ug/L	0.11664	10.3572 ug/L	0.11664	1.13%
QC value within limits for Cr 205.560 Recovery = 103.57%						
Co 228.616†	1753.1	52.1162 ug/L	0.58310	52.1162 ug/L	0.58310	1.12%
QC value within limits for Co 228.616 Recovery = 104.23%						
Cu 324.752†	4842.2	25.1044 ug/L	0.18727	25.1044 ug/L	0.18727	0.75%
QC value within limits for Cu 324.752 Recovery = 100.42%						
Fe 273.955†	1935.2	100.769 ug/L	0.9695	100.769 ug/L	0.9695	0.96%
Pb 220.353†	47.6	4.63709 ug/L	0.865224	4.63709 ug/L	0.865224	18.66%
QC value within limits for Pb 220.353 Recovery = 92.74%						
Mg 279.077†	73088.2	5065.88 ug/L	76.464	5065.88 ug/L	76.464	1.51%
QC value within limits for Mg 279.077 Recovery = 101.32%						
Mn 257.610†	6560.4	15.9176 ug/L	0.28001	15.9176 ug/L	0.28001	1.76%
Ni 231.604†	782.8	41.1968 ug/L	0.52426	41.1968 ug/L	0.52426	1.27%
QC value within limits for Ni 231.604 Recovery = 102.99%						
K 766.490†	720133.5	4670.01 ug/L	90.715	4670.01 ug/L	90.715	1.94%
QC value within limits for K 766.490 Recovery = 93.40%						
Se 196.026†	8.8	5.89043 ug/L	2.070006	5.89043 ug/L	2.070006	35.14%
Ag 338.289†	593.1	10.3668 ug/L	0.32797	10.3668 ug/L	0.32797	3.16%
QC value within limits for Ag 338.289 Recovery = 103.67%						
Na 330.237†	1698.6	4879.15 ug/L	52.348	4879.15 ug/L	52.348	1.07%
QC value within limits for Na 330.237 Recovery = 97.58%						
Na 589.592†	1443517.8	4507.24 ug/L	77.665	4507.24 ug/L	77.665	1.72%
Tl 190.801†	27.6	9.21217 ug/L	0.838322	9.21217 ug/L	0.838322	9.10%
QC value within limits for Tl 190.801 Recovery = 92.12%						
V 292.402†	1388.4	51.1281 ug/L	0.67300	51.1281 ug/L	0.67300	1.32%
QC value within limits for V 292.402 Recovery = 102.26%						
Zn 206.200†	1281.8	22.7253 ug/L	0.19693	22.7253 ug/L	0.19693	0.87%
QC value within limits for Zn 206.200 Recovery = 113.63%						
B 249.677†	138.9	6.62256 ug/L	0.108546	6.62256 ug/L	0.108546	1.64%
Mo 202.031†	9.4	0.934721 ug/L	0.1802516	0.934721 ug/L	0.1802516	19.28%
Ce 413.764	61.6				22.66	36.77%
Ti 334.940	116.6				4.26	3.66%
Sn 189.927	36.1				1.85	5.12%

All analyte(s) passed QC.

Sequence No.: 35
Sample ID: CRI2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 5/17/2011 8:16:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CRI2

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	49412.4	0.994	ug/L	0.0100				1.01%
Sc 361.383	271787.7	1.01	ug/L	0.030				3.00%
Al 308.215†	46.5	2.63223	ug/L	4.965739	2.63223	ug/L	4.965739	188.65%
Sb 206.836†	-0.2	-0.0659704	ug/L	1.52584644	-0.0659704	ug/L	1.52584644	>999.9%
As 188.979†	-0.5	-0.189746	ug/L	1.7779102	-0.189746	ug/L	1.7779102	936.99%
Ba 233.527†	52.7	0.278004	ug/L	0.0456372	0.278004	ug/L	0.0456372	16.42%
Be 313.107†	21.4	0.0266267	ug/L	0.03265529	0.0266267	ug/L	0.03265529	122.64%
Cd 226.502†	3.7	0.0406573	ug/L	0.00647309	0.0406573	ug/L	0.00647309	15.92%
Ca 315.887†	2458.9	52.9032	ug/L	3.52813	52.9032	ug/L	3.52813	6.67%
Cr 205.560†	4.3	0.149476	ug/L	0.3241496	0.149476	ug/L	0.3241496	216.86%
Co 228.616†	2.6	0.0789982	ug/L	0.15292465	0.0789982	ug/L	0.15292465	193.58%
Cu 324.752†	41.2	0.213555	ug/L	0.3267599	0.213555	ug/L	0.3267599	153.01%
Fe 273.955†	1128.9	59.4402	ug/L	1.32850	59.4402	ug/L	1.32850	2.24%
QC value within limits for Fe 273.955 Recovery = 99.07%								
Pb 220.353†	-14.8	-1.39701	ug/L	0.326562	-1.39701	ug/L	0.326562	23.38%
Mg 279.077†	57.8	4.00918	ug/L	1.382553	4.00918	ug/L	1.382553	34.48%
Mn 257.610†	4360.1	10.6429	ug/L	0.33204	10.6429	ug/L	0.33204	3.12%
QC value within limits for Mn 257.610 Recovery = 106.43%								
Ni 231.604†	1.4	0.0741113	ug/L	0.15667751	0.0741113	ug/L	0.15667751	211.41%
K 766.490†	462.1	2.99646	ug/L	0.521738	2.99646	ug/L	0.521738	17.41%
Se 196.026†	13.7	9.36439	ug/L	1.081189	9.36439	ug/L	1.081189	11.55%
QC value within limits for Se 196.026 Recovery = 93.64%								

Ag 338.289†	39.1	0.691532	ug/L	0.4788311	0.691532	ug/L	0.4788311	69.24%
Na 330.237†	79.9	852.350	ug/L	37.1157	852.350	ug/L	37.1157	4.35%
Na 589.592†	51876.2	161.978	ug/L	4.5108	161.978	ug/L	4.5108	2.78%
QC value within limits for Na 589.592 Recovery = 80.99%								
Tl 190.801†	1.8	0.587845	ug/L	0.6508140	0.587845	ug/L	0.6508140	110.71%
V 292.402†	-0.2	-0.0027931	ug/L	0.10992079	-0.0027931	ug/L	0.10992079	>999.9%
Zn 206.200†	123.6	2.20152	ug/L	0.075027	2.20152	ug/L	0.075027	3.41%
B 249.677†	117.9	5.79898	ug/L	0.396610	5.79898	ug/L	0.396610	6.84%
Mo 202.031†	1.1	0.105425	ug/L	0.1368929	0.105425	ug/L	0.1368929	129.85%
Ce 413.764	60.7						29.77	49.03%
Ti 334.940	27.6						8.46	30.69%
Sn 189.927	2.0						0.75	38.45%

All analyte(s) passed QC.

Sequence No.: 36
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/17/2011 8:23:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	43015.8	0.865	ug/L	0.0064				0.74%
Sc 361.383	234893.6	0.873	ug/L	0.0132				1.52%
Al 308.215†	9045117.2	512802	ug/L	7329.6	512802	ug/L	7329.6	1.43%
QC value within limits for Al 308.215 Recovery = 102.56%								
Sb 206.836†	60.5	16.8966	ug/L	0.11682	16.8966	ug/L	0.11682	0.69%
As 188.979†	-30.5	0.905183	ug/L	1.6155114	0.905183	ug/L	1.6155114	178.47%
Ba 233.527†	1013.4	5.34717	ug/L	0.170157	5.34717	ug/L	0.170157	3.18%
Be 313.107†	-156.1	-0.193983	ug/L	0.0258112	-0.193983	ug/L	0.0258112	13.31%
Cd 226.502†	1485.1	-14.9928	ug/L	0.38447	-14.9928	ug/L	0.38447	2.56%
Ca 315.887†	21103371.0	454046	ug/L	7781.3	454046	ug/L	7781.3	1.71%
QC value within limits for Ca 315.887 Recovery = 90.81%								
Cr 205.560†	-54.1	-1.86988	ug/L	0.181202	-1.86988	ug/L	0.181202	9.69%
Co 228.616†	162.2	4.81922	ug/L	0.052281	4.81922	ug/L	0.052281	1.08%
Cu 324.752†	-2364.6	-12.2592	ug/L	0.16914	-12.2592	ug/L	0.16914	1.38%
Fe 273.955†	3414978.9	179812	ug/L	3205.9	179812	ug/L	3205.9	1.78%
QC value within limits for Fe 273.955 Recovery = 89.91%								
Pb 220.353†	-717.4	10.5578	ug/L	2.34615	10.5578	ug/L	2.34615	22.22%
Mg 279.077†	7120993.2	493569	ug/L	9307.2	493569	ug/L	9307.2	1.89%
QC value within limits for Mg 279.077 Recovery = 98.71%								
Mn 257.610†	2244.9	-3.89799	ug/L	0.032791	-3.89799	ug/L	0.032791	0.84%
Ni 231.604†	-4.8	-0.250358	ug/L	0.2596707	-0.250358	ug/L	0.2596707	103.72%
K 766.490†	3111.4	20.1771	ug/L	0.75415	20.1771	ug/L	0.75415	3.74%
Se 196.026†	-4.6	-5.60485	ug/L	7.072984	-5.60485	ug/L	7.072984	126.19%
Ag 338.289†	94.5	-18.7820	ug/L	0.35503	-18.7820	ug/L	0.35503	1.89%
Na 330.237†	-710.6	-1114.23	ug/L	20.308	-1114.23	ug/L	20.308	1.82%
Na 589.592†	21068.6	65.7848	ug/L	2.64488	65.7848	ug/L	2.64488	4.02%
Tl 190.801†	-43.1	3.83619	ug/L	1.934390	3.83619	ug/L	1.934390	50.42%
V 292.402†	-597.4	-5.81251	ug/L	0.415934	-5.81251	ug/L	0.415934	7.16%
Zn 206.200†	252.6	-5.37293	ug/L	0.188133	-5.37293	ug/L	0.188133	3.50%
B 249.677†	-81.7	-4.03805	ug/L	0.546000	-4.03805	ug/L	0.546000	13.52%
Mo 202.031†	-6.8	-0.677963	ug/L	0.5254960	-0.677963	ug/L	0.5254960	77.51%
Ce 413.764	-807.3						38.85	4.81%
Ti 334.940	55.5						9.22	16.59%
Sn 189.927	227.4						7.37	3.24%

All analyte(s) passed QC.

Sequence No.: 37
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/17/2011 8:34:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD

QC value within limits for Ba 233.527 Recovery = 102.88%						
Be 313.107†	205317.4	255.150 ug/L	3.9554	255.150 ug/L	3.9554	1.55%
QC value within limits for Be 313.107 Recovery = 102.06%						
Cd 226.502†	37665.7	531.089 ug/L	5.3920	531.089 ug/L	5.3920	1.02%
QC value within limits for Cd 226.502 Recovery = 106.22%						
Ca 315.887†	1197440.2	25763.3 ug/L	365.28	25763.3 ug/L	365.28	1.42%
QC value within limits for Ca 315.887 Recovery = 103.05%						
Cr 205.560†	29712.6	1026.66 ug/L	9.958	1026.66 ug/L	9.958	0.97%
QC value within limits for Cr 205.560 Recovery = 102.67%						
Co 228.616†	87974.9	2617.66 ug/L	25.007	2617.66 ug/L	25.007	0.96%
QC value within limits for Co 228.616 Recovery = 104.71%						
Cu 324.752†	246000.1	1275.40 ug/L	18.240	1275.40 ug/L	18.240	1.43%
QC value within limits for Cu 324.752 Recovery = 102.03%						
Fe 273.955†	98383.9	5124.15 ug/L	52.864	5124.15 ug/L	52.864	1.03%
QC value within limits for Fe 273.955 Recovery = 102.48%						
Pb 220.353†	10942.8	1040.15 ug/L	10.387	1040.15 ug/L	10.387	1.00%
QC value within limits for Pb 220.353 Recovery = 104.02%						
Mg 279.077†	371460.0	25746.6 ug/L	248.72	25746.6 ug/L	248.72	0.97%
QC value within limits for Mg 279.077 Recovery = 102.99%						
Mn 257.610†	1064595.6	2598.16 ug/L	37.191	2598.16 ug/L	37.191	1.43%
QC value within limits for Mn 257.610 Recovery = 103.93%						
Ni 231.604†	48841.6	2570.56 ug/L	22.443	2570.56 ug/L	22.443	0.87%
QC value within limits for Ni 231.604 Recovery = 102.82%						
K 766.490†	1152491.2	7473.82 ug/L	80.103	7473.82 ug/L	80.103	1.07%
QC value greater than the upper limit for K 766.490 Recovery = 124.56%						
Se 196.026†	1624.6	1109.59 ug/L	14.051	1109.59 ug/L	14.051	1.27%
QC value greater than the upper limit for Se 196.026 Recovery = 110.96%						
Ag 338.289†	18070.1	323.019 ug/L	4.3593	323.019 ug/L	4.3593	1.35%
QC value within limits for Ag 338.289 Recovery = 107.67%						
Na 330.237†	9431.8	24117.2 ug/L	283.07	24117.2 ug/L	283.07	1.17%
QC value within limits for Na 330.237 Recovery = 96.47%						
Na 589.592†	Saturated2					
Unable to evaluate QC.						
Tl 190.801†	3175.6	1044.89 ug/L	10.960	1044.89 ug/L	10.960	1.05%
QC value within limits for Tl 190.801 Recovery = 104.49%						
V 292.402†	69325.4	2558.10 ug/L	25.368	2558.10 ug/L	25.368	0.99%
QC value within limits for V 292.402 Recovery = 102.32%						
Zn 206.200†	144855.2	2579.01 ug/L	25.134	2579.01 ug/L	25.134	0.97%
QC value within limits for Zn 206.200 Recovery = 103.16%						
B 249.677†	22300.4	1086.41 ug/L	28.551	1086.41 ug/L	28.551	2.63%
QC value within limits for B 249.677 Recovery = 108.64%						
Mo 202.031†	10746.1	1070.79 ug/L	15.696	1070.79 ug/L	15.696	1.47%
QC value within limits for Mo 202.031 Recovery = 107.08%						
Ce 413.764	-5.5				30.12	543.84%
Ti 334.940	380.3				11.98	3.15%
Sn 189.927	114.4				1.86	1.63%
QC Failed. Continue with analysis.						

Sequence No.: 39
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/17/2011 8:52:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	50182.0	1.01	ug/L	0.023				2.29%
Sc 361.383	272243.0	1.01	ug/L	0.032				3.21%
Al 308.215†	517.1	29.3253	ug/L	5.24228	29.3253	ug/L	5.24228	17.88%
QC value within limits for Al 308.215 Recovery = Not calculated								
Sb 206.836†	-1.5	-0.430872	ug/L	0.9458177	-0.430872	ug/L	0.9458177	219.51%
As 188.979†	2.0	0.840455	ug/L	1.7195322	0.840455	ug/L	1.7195322	204.60%
Ba 233.527†	268.2	1.41487	ug/L	0.118063	1.41487	ug/L	0.118063	8.34%
Be 313.107†	54.9	0.0682078	ug/L	0.04538235	0.0682078	ug/L	0.04538235	66.54%
Cd 226.502†	11.8	0.164337	ug/L	0.1498460	0.164337	ug/L	0.1498460	91.18%
Ca 315.887†	1579.8	33.9899	ug/L	8.37820	33.9899	ug/L	8.37820	24.65%
Cr 205.560†	6.6	0.229268	ug/L	0.2634956	0.229268	ug/L	0.2634956	114.93%
Co 228.616†	15.8	0.470424	ug/L	0.0692692	0.470424	ug/L	0.0692692	14.72%
Cu 324.752†	53.8	0.278764	ug/L	0.1422760	0.278764	ug/L	0.1422760	51.04%

Fe 273.955†	217.6	11.4506	ug/L	0.62880	11.4506	ug/L	0.62880 5.49%
Pb 220.353†	-9.7	-0.911526	ug/L	0.3840407	-0.911526	ug/L	0.3840407 42.13%
Mg 279.077†	438.3	30.3817	ug/L	1.66244	30.3817	ug/L	1.66244 5.47%
Mn 257.610†	163.8	0.399373	ug/L	0.0303651	0.399373	ug/L	0.0303651 7.60%
Ni 231.604†	12.1	0.635052	ug/L	0.1352555	0.635052	ug/L	0.1352555 21.30%
K 766.490†	80.9	0.524510	ug/L	0.3053912	0.524510	ug/L	0.3053912 58.22%
Se 196.026†	0.5	0.359356	ug/L	2.5220542	0.359356	ug/L	2.5220542 701.83%
Ag 338.289†	33.1	0.587186	ug/L	0.4045150	0.587186	ug/L	0.4045150 68.89%
Na 330.237†	7.4	671.850	ug/L	17.4918	671.850	ug/L	17.4918 2.60%
Na 589.592†	1066.7	3.33066	ug/L	0.635793	3.33066	ug/L	0.635793 19.09%
Tl 190.801†	-1.0	-0.322604	ug/L	0.6396945	-0.322604	ug/L	0.6396945 198.29%
V 292.402†	10.3	0.384359	ug/L	0.2159733	0.384359	ug/L	0.2159733 56.19%
Zn 206.200†	24.3	0.432672	ug/L	0.0337356	0.432672	ug/L	0.0337356 7.80%
B 249.677†	153.1	7.52896	ug/L	0.146366	7.52896	ug/L	0.146366 1.94%
Mo 202.031†	9.3	0.924795	ug/L	0.0032736	0.924795	ug/L	0.0032736 0.35%
Ce 413.764	30.7						1.59 5.18%
Ti 334.940	-2.2						16.58 753.36%
Sn 189.927	4.5						1.30 28.84%

All analyte(s) passed QC.

Inorganic Data
Digestion Distillation Log

12-IN
PREPARATION LOG
METALS

Lab Name: EnviroTest Laboratories, Inc. Job No.: 420-43563-1

SDG No.:

Preparation Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Weight (gram)	Volume (mL)
MB 420-46984/1-A	05/16/2011 11:02	46984		50
LCS 420-46984/2-A	05/16/2011 11:02	46984		50
420-43563-1	05/16/2011 11:02	46984		50
420-43563-2	05/16/2011 11:02	46984		50
420-43563-3	05/16/2011 11:02	46984		50
420-43563-3 DU	05/16/2011 11:02	46984		50
420-43563-3 MS	05/16/2011 11:02	46984		50
420-43563-3 SD	05/16/2011 11:02	46984		50
420-43563-4	05/16/2011 11:02	46984		50

William L. Going &Associates, Inc.
Environmental Site Investigation-Remediation

5 Stella Drive
Gardiner, New York 12525
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Fax. 845-895-1722
E-mail: budgoing@frontier.com

September 6, 2011

Mr. William A. Sweet
Safety & Environmental Manager
Balchem Corporation
52 Sunrise Park Road
New Hampton, New York 10958

RE: Groundwater Monitoring Report for May 9, 2011 Sampling Event
Balchem Corporation, Facility at 2007 Route 284, Slate Hill, NY 10973
Town of Wawayanda, Orange County, NY, NYSDEC Site Number 3-36-032

Dear Mr. Sweet:

William L. Going & Associates, Inc. is pleased to submit this report documenting the above referenced sampling event. This event is the tenth of similar sampling procedures beginning in 1996.

The objective of the May 2011 sampling event was to sample selected monitoring wells, piezometers, and a sump for volatile organic compounds and lead to assess the effectiveness of the remedial work performed in the former drum disposal area on the site. The sump was installed as an interim remedial measure. The field procedures and laboratory results are provided and discussed below.

Attachments and enclosures include the following:

Table 1 Goundwater Monitoring Results, May 9, 2011
Table 2 Cumulative Groundwater Monitoring Summary,
July 1996 to May 2011
Table 3 Groundwater Quality Parameters Measured in Purge Water
During Low Flow Sampling Procedure
Table 4A Summary of Measured and Estimated Concentrations
In Groundwater from Table 1
Table 4B Comments Relative to Laboratory Analyses Report
Above in Table 4A
Appendix A Form 1 Chain of Custody (Analytical Results in Appendix C)

Appendix B NYSDEC Category B Package (CD-ROM)
Appendix C Data Usability Summary Report,
By ChemWorld Environmental, Rockville, MD, July 22, 2011

Groundwater Sampling

At the request of NYSDEC, monitoring well MW-4S, piezometers PZ-6 and PZ-7, and the IRM sump were sampled on May 9, 2011. As required by NYSDEC, the specific low flow sampling technique was followed as described as the "Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells" (US Environmental Protection Agency, Region 1, Low Stress SOP, Revision 3, Revised January 19, 2010). The advantage of this technique is that a limited volume of purge water is obtained for each sample. The method requires use of a pump, which can control the volume of discharge from the well at a low rate (100-400 ml/min). In this case, a peristaltic pump was used because each of the sampling points is less than 28 feet below the pump level (the vertical extent of peristaltic applications). A series of water quality parameters (pH, specific electrical conductance, turbidity, dissolved oxygen, temperature, salinity, total dissolved solids, and oxidation-reduction potential) are measured during the purge period (usually 20 minutes or less). When three consecutive measurements show stabilization, the water quality is considered at equilibrium and the sample is taken.

To be more specific, the low flow method requires pumping on the order of 0.1 to 0.4 liters per minute. During the purging process, stabilization of field indicator parameters includes less than the following percentage change over three sets of successive measurements made with the Horiba (water quality meter):

Turbidity 10%
Dissolved Oxygen 10%
Specific Conductance 3%
Temperature 3%
PH + / - 0.1 units
ORP / Eh +/- 10 millivolts.

The peristaltic pump uses clear tubing so the water can be observed, but the pump does not touch the water because it is contained in the tubing. Therefore, there is no pump cleanup, just storage of dedicated tubing or disposal of tubing. During the low flow purge pumping, the water is accumulated in a graduated cylinder, notes are taken to record the volume of discharge, the time that the 1000 ml cylinder is full and emptied, and the pumping rate is calculated. Also the depth to water during pumping is measured if conditions permit to be certain that the well does not go dry during the low flow purge. The sump was sampled with the peristaltic pump, but measurement of water quality parameters was unnecessary. The water quality measurements and purge volumes are listed in Table 3.

Each sampling location was found with no difficulty by review of the map provided in the May 5, 2008 report prepared by ENSR|AECOM. MW-4S is located on the level driveway parallel to the railroad tracks on the west side of the site. PZ-7 lies on the south side of the sidewalk leading from the back driveway up to the backdoor of the main building facing NY Route 284. The top of PVC casing for PZ-7 is located about 4 to 5 feet above the ground surface and the well is on a sloping lawn surface. PZ-7 was pumped dry while purging, the well was allowed to recover while PZ-6 was sampled, and stabilization was achieved in three water quality measurements, and a sample was collected. PZ-6 is located on a grassy slope, downhill and west of PZ-7 near the south end of the subsurface drainage conduit to the IRM sump. The conduit collects groundwater at the base of the hill and moves it northward to the sump, located by a loading dock. The driveway, traffic, and parked semi-tractor trailers are hazards to plan for when sampling MW-4S and the sump. The grassy slope also requires care when sampling the two piezometers. Also sampling in winter is not recommended due to snow and ice accumulation on the hillside.

As collected, the samples were placed in a cooler with ice. Immediately after sampling, the chain of custody and cooler were transported directly to EnviroTest Laboratories in Newburgh, NY. The chain-of-custody specified laboratory analysis for Volatile Organic Compounds by US EPA method SW846 8260B and Lead by US EPA method SW846 6010B. EnviroTest is certified by NYSDOH in the Environmental Laboratory Approval Program (ELAP). From MW-4S, in addition to the regular VOC sample, additional samples were collected for Matrix Spike and Matrix Spike Duplicate. A trip blank was also submitted to the laboratory. All of the VOC samples were carefully poured down the inside of three clear glass 40 ml vials creating a convex upward meniscus before placing the top on the vial. The samples for lead analysis were placed in brown glass jars.

Laboratory Analysis and Results

The Form 1 laboratory reports and the chain of custody record are provided in Appendix A. The full NYSDEC Category B data package provided by the laboratory is included in Appendix B (CD-ROM). The analytical results for the samples for this event have been summarized in Table 1. The results have been compared to the standards (or guidance values) provided in the document entitled "*Ambient Water Quality Standards and Guidance Values - New York State Division of Water - Technical and Operational Guidance Series (1.1.1)"* (revised June 1998). Where a specific result is greater than the standard or guidance value, concentrations exceeding the standards are shown in **bold** on Table 1. Table 2 provides summary information for the laboratory analyses for groundwater sampling events performed from July 1996 to May 2011 for compounds cis-1,2-dichloroethene (c-1,2-DCE), methyl tertbutyl ether (MTBE), benzene, acetone, tricholorethene (TCE), carbon disulfide, chloroform, 2-butanone, and lead.

Volatile Organic Compounds and Lead

To simplify, the concentrations detected for VOCs and Lead are summarized in Table 4A for the May 2011 sampling event (condensation of Table 1 by omission of non-detect analytes). Comments regarding the significance of data listed in Table 4A are listed in Table 4B.

In VOC analyses, only two groundwater quality standards were exceeded. In PZ-7, Benzene exceeded the standard of 1 ug/L at 200 ug/L. In PZ-7, Lead exceeded the groundwater quality standard of 25 ug/L at 52 ug/L.

All other measured and estimated VOC concentrations are below the standard water quality values (see comments in Table 4B). Apparently, natural reductive dehalogenation of chlorinated ethenes has been occurring in the groundwater because Trichloroethene (TCE) and breakdown products cis-1,2-Dichloroehtne (c12DCE) and Vinyl Chloride (VC) are found in the groundwater.

Lead was detected in PZ-6, PZ-7, and MW-4S, but not in the Sump. The lead standard of 25 ug/L was exceeded in PZ-7, with a concentration of 52 ug/L representing a reduction by two orders of magnitude from the maximum reading of 2900 ug/L measured in May of 1999. Since 1996, exceedances have been reported in 5 out of 6 detections in PZ-7.

In PZ-6, a random occurrence of 21 ug/L lead appeared in the sample; likewise a detection occurred in MW-4S at 14 ug/L lead. Lead has not been reported in PZ-6 or in MW-4S in laboratory analysis from any other sampling event.

Data Validation

ChemWorld Environmental, Inc. of Rockville, MS was provided with the required NYSDEC QA/QC data summary package B by EnviroTest Labatories, Inc. The Data Usability Summary Report (July 22,2011) prepared by ChemWorld is provided in Appendix C to this report.

The DUSR review items include the following, as method appropriate:

- Completeness of Data Package
- Chain-of-Custody Review
- Holding Times from Verified Time of Sample Receipt (VTSR)
- Surrogate Recovery
- GC/MS Instrument Performance Check
- Initial and Continuing Calibration
- Matrix Spike / Matrix Spike Duplicates (MS/MSD)
- Matrix Spike Blanks (MSB)
- Internal Standards
- Method and Field Blanks
- Contract Required Detection Limit (CRDL) Standards for ICP
- Laboratory Duplicate Samples
- Laboratory Control Samples (LCS)
- ICP Interference Check
- ICP Serial Dilution

As a result of finding that the Average Response Factors on Initial Calibration and the Relative Response Factors on Continuing Calibration, the non-detect values for two analytes, Chloromethane and Bromomethane, were deemed estimated. The qualifiers for those two analytes, which have never been detected at the site, changed from "U" to "UJ". With the exception of Chloromethane and Bromomethane, which are not chemicals of concern, the report concludes that: "All results on the Forms [Laboratory Reports] are considered usable based upon the DUSR review."

Depth to Water and Groundwater Flow

With only three depths to water measured in the two piezometers and one monitoring well (shown in Table 3 at the beginning Low Flow purging (Table 3) and no table of elevations, there is insufficient data to draw contour maps of the shallow and deep potentiometric surfaces. The depths to water are in agreement with earlier maps prepared from the previous sampling (2008) indicating that groundwater flow is slightly west of true north.

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Conclusions

Evidence from depth to water measurements in the two piezometers and one monitoring well support previous maps showing groundwater flow direction to the north.

The vast majority of Volatile Organic Compounds (VOCs) were not detected in the samples. Benzene was detected at 200 ug/L in piezometer PZ-7, which exceeded the standard of 1 ug/L. That result was slightly below the average of 210 ug/L for the previous 6 detections of benzene in PZ-7.

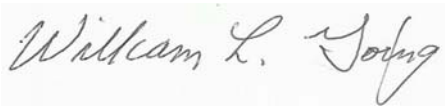
Concentrations below the standards were reported for 14 individual compounds reported in the 4 samples. The historical analytical results indicate that natural reductive dehalogenation of chlorinated ethenes has been occurring in the groundwater because breakdown products have been detected.

In PZ-7, lead was detected at 52 ug/l, which exceeds the standard of 25 ug/L but represents a reduction by two orders of magnitude from the maximum reading of 2900 ug/L measured in May of 1999. Lead concentrations below the standard were measured in PZ-6 and MW-4S.

It appears that the remedial work performed in the former drum disposal area on the site has been effective.

If you have questions or comments regarding the information in this report, please do not hesitate to contact the undersigned.

Sincerely,



William L. Going, Principal

Katherine J. Beinkafner, Ph.D.
Certified Professional Geologist 6611

Cc: R. Bayer

Preliminary Data Transmittal - Table 1
Groundwater Monitoring Results
Volatile Organic Compounds and Lead
Balchem Corporation Site
May 2011

Parameter / Sample Date / Laboratory ID No. / Description	New York State Ambient Water Quality Standards and Guidance Values* (ug/L)	Balchem Site Wells								Trip Blank	
		PZ-6		PZ-7		MW4S		SUMP		Trip Blank	
		5/9/2011		5/9/2011		5/9/2011		5/9/2011		5/9/2011	
		420-43563-1		420-43563-2		420-43563-3		420-43563-4		420-43563-5	
		Site Well		Site Well		Site Well		Site Well		QA/QC Sample	
Volatile Organic Compounds (ug/L)											
1,1,1-Trichloroethane	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2,2-Tetrachloroethane	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1,2-Trichloroethane	1 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethane	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,1-Dichloroethene	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2,4-Trichlorobenzene	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dibromo-3-chloropropane	0.04 s	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
1,2-Dibromoethane	NL	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichlorobenzene	3 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,2-Dichloroethane	5 s	1.0	U	3.6		1.0	U	1.0	U	1.0	U
1,2-Dichloropropane	1 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,3-Dichlorobenzene	3 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
1,4-Dichlorobenzene	3 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
2-Butanone	50 g	1.0	U	2.9		1.0	U	1.0	U	1.0	U
2-Hexanone	50 g	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
4-Methyl-2-pentanone	NL	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Acetone	50 g	1.0	U	4.0		1.0	U	2.2		1.0	U
Benzene	1 s	1.0	U	200.0	D	1.0	U	1.0	U	1.0	U
Bromodichloromethane	50 g	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromoform	50 g	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Bromomethane	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon disulfide	60 g	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Carbon tetrachloride	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chlorobenzene	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroethane	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloroform	7 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Chloromethane	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
cis-1,2-Dichloroethene	5 s	1.7		3.3		3.2		1.0	U	1.0	U
cis-1,3-Dichloropropene	0.4 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Cyclohexane	NL	NA		NA		NA		NA		NA	
Dibromochloromethane	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Dichlorodifluoromethane	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Ethylbenzene	5 s	1.0	U	0.18	J	1.0	U	1.0	U	1.0	U
Isopropylbenzene	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Methyl acetate	NL	NA		NA		NA		NA		NA	
Methyl tert-butyl ether	10 g	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Methylcyclohexane	NL	NA		NA		NA		NA		NA	
Methylene chloride	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Styrene	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Tetrachloroethene	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Toluene	5 s	0.24	J	0.38	J	1.0	U	1.0	U	1.0	U
trans-1,2-Dichloroethene	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
trans-1,3-Dichloropropene	0.4 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Trichloroethene	5 s	0.57	J	1.0	U	1.0	U	0.65	J	1.0	U
Trichlorofluoromethane	5 s	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Vinyl chloride	2 s	1.5		1.0	U	1.0	U	1.0	U	1.0	U
Xylenes (total)	5s	1.0	U	0.51	J	1.0	U	1.0	U	1.0	U
Metals (ug/L)											
Lead	25 s	21		52		14		5.0	U	NA	

Notes:

(s) - Standard Value
(g) - Guidance Value
* Values compiled from the NYSDEC Division of Water - Technical and Operational Guidance Series (TOGS) 1.1.1 - 6 NYCRR 703.5 [Revised June, 1998]
Bold values indicate that the analyte was detected in a concentration greater than or the instrument detection limit.
Shaded values indicate that the concentrations exceed New York State Ambient Water Quality Standards or Guidance Values.
NA - not analyzed for
NL -not listed
U - not detected in a concentration greater than the laboratory method reporting limit
J - estimated value

Preliminary Data Transmittal - Table 2
Balchem Site
Cumulative Groundwater Sample Results (ug/L)

Preliminary Data Transmittal - Table 2
Balchem Site
Cumulative Groundwater Sample Results (ug/L)

PARAMETER	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
CIS-1,2-DICHLOROETHENE	7/31/1996	ND	3.5	ND	1.2	ND	ND	ND	ND	ND	25.7	19.3	ND
	3/5/1997	ND	3.2	ND	9.8	ND	ND	ND	Note 1	ND	94.8	4.1	ND
	9/12/1997	ND	3.7	ND	16	ND	ND	ND	Note 1	ND	9.6	31.5	ND
	3/3/1998	-	ND	ND	ND	11	-	-	Note 1	-	-	-	ND
	5/19/1999	ND	1.5	ND	15	ND	ND	ND	Note 1	ND	-	10	ND
	6/11/2003	-	0.54	ND	6.7	ND	-	-	Note 1	-	-	-	-
	9/9/2004	ND	0.83 J	ND	10	ND	ND	ND	Note 1	ND	4.2	-	-
	3/20/2008	ND	0.3 J	ND	3.5	ND	ND	ND	Note 1	ND	082 J	4.6	ND
	5/9/2011	NA	NA	NA	3.2	NA	NA	NA	NA	NA	1.7	3.3	ND

MTBE	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
	7/31/1996	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/5/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	ND	90.9
	9/12/1997	ND	20	1.9	ND	ND	ND	ND	Note 1	ND	ND	ND	ND
	3/3/1998	-	9.4	1.1	ND	-	-	-	Note 1	-	-	-	ND
	5/19/1999	ND	3.1	1.0	ND	ND	ND	ND	Note 1	ND	-	ND	ND
	6/11/2003	-	0.87	ND	ND	ND	-	-	Note 1	-	-	-	-
	9/9/2004	ND	0.53 J	ND	ND	ND	ND	ND	Note 1	ND	ND	-	-
	3/20/2008	ND	ND	0.81 J	ND	ND	ND	0.18 J	Note 1	ND	ND	ND	ND
	5/9/2011	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	ND	ND

BENZENE	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
	7/31/1996	ND	ND	ND	ND	ND	ND	ND	164	1.1	ND	109	1
	3/5/1997	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	372	2.5
	9/12/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	172	ND
	3/3/1998	-	ND	ND	ND	-	-	-	Note 1	-	-	-	ND
	5/19/1999	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	-	410	ND
	9/24/1999	-	-	-	-	-	-	-	Note 1	-	-	160	-
	6/11/2003	-	0.24	ND	ND	ND	-	-	Note 1	-	-	-	-
	9/9/2004	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	-	-
	3/20/2008	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	38	ND
	5/9/2011	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	200 D	ND

ACETONE	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
	7/31/1996	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	159
	3/5/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	ND	ND
	9/12/1997	ND	ND	6.9	ND	ND	ND	ND	Note 1	ND	ND	5.9	ND
	3/3/1998	-	ND	ND	ND	-	-	-	Note 1	-	-	-	ND
	5/19/1999			ND	ND	ND	ND	ND	Note 1	ND	-	5.7	31
	6/11/2003	-	0.24	ND	ND	ND	-	-	Note 1	-	-	-	-
	9/9/2004	ND	3 J	ND	ND	ND	ND	ND	Note 1	4 J	ND	-	-
	3/20/2008	ND	ND	ND	ND	ND	ND	ND	Note 1	8.6	ND	ND	ND
	5/9/2011	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	4.0	2.2

TRICHLOROETHENE	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
	7/31/1996	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.2	ND	ND
	3/5/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	18.8	ND	ND
	9/12/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	3.4	ND	ND
	3/3/1998	-	ND	ND	ND	-	-	-	Note 1	-	-	-	ND
	5/19/1999	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	-	ND	ND
	6/11/2003	-	ND	ND	ND	ND	-	-	Note 1	-	-	-	-
	9/9/2004	ND	ND	ND	0.23 J	ND	ND	ND	Note 1	ND	1	-	-
	3/20/2008	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	0.45 J	ND	ND
	5/9/2011	NA	NA	NA	ND	NA	NA	NA	NA	NA	0.57 J	ND	0.65 J

CARBON DISULFIDE	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
	7/31/1996	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/5/1997	ND	ND	ND	ND	ND	ND	2	Note 1	ND	ND	ND	ND
	9/12/1997	ND	ND	ND	ND	ND	ND	2.5	Note 1	ND	ND	ND	ND
	3/3/1998	-	ND	ND	ND	-	-	-	Note 1	-	-	-	ND
	5/19/1999	ND	ND	ND	ND	59	ND	ND	Note 1	1.4	-	ND	ND
	6/11/2003	-	ND	ND	ND	ND	-	-	Note 1	-	-	-	-
	9/9/2004	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	-	-
	3/20/2008	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	ND	ND
	5/9/2011	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	ND	ND

CHLOROFORM	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
	7/31/1996	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/5/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	ND	ND
	9/12/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	ND	ND
	3/3/1998	-	ND	ND	ND	-	-	-	Note 1	-	-	-	ND
	5/19/1999	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	-	ND	ND
	6/11/2003	-	ND	ND	ND	ND	-	-	Note 1	-	-	-	-
	9/9/2004	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	-	-
	3/20/2008	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	ND	ND
	5/9/2011	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	ND	ND

2-BUTANONE	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
	7/31/1996	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	75.1
	3/5/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	ND	ND
	9/12/1997	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	ND	ND
	3/3/1998	-	ND	ND	ND	-	-	-	Note 1	-	-	-	ND
	5/19/1999	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	-	ND	ND
	6/11/2003	-	ND	ND	ND	ND	-	-	Note 1	-	-	-	-
	9/9/2004	ND	ND	ND	ND	ND	ND	ND	Note 1	ND	ND	-	-
	3/20/2008	ND	ND	ND	ND	ND	ND	ND	Note 1	1.3 J	ND	ND	ND
	5/9/2011	NA	NA	NA	ND	NA	NA	NA	NA	NA	ND	2.9	ND

LEAD	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4S	MW-4D	MW-5S	MW-5D	MW-6S	MW-6D	PZ-6	PZ-7	SUMP
	7/31/1996	ND	215	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3/5/1997	ND	ND	ND	ND	ND	ND	115	-	ND	ND	962	ND
	9/12/1997	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	265	ND
	3/3/1998	-	ND	ND	ND	-	-	-	Note 1	-	-	-	ND
	5/19/1999	ND	16.3	ND	ND	ND	ND	5.8	Note 1	ND	-	2900	ND
	9/24/1999	-	12.7	-	-	-	-	ND	Note 1	-	-	173	-
	6/11/2003	-	3.6	ND	ND	ND	-	-	Note 1	-	-	-	-
	9/9/2004	6.2	8.8	12	ND	5.1	ND	2 B	Note 1	1.9 B	ND	-	-
	3/20/2008	4.3	3	7.5	ND	5.6	ND	ND	Note 1	8.1	ND	15.1	6.9
	5/9/2011	NA	NA	NA	14	NA	NA	NA	NA	NA	21	52	ND

Notes:
NA - Not analyzed for.
ND - Not detected in a concentration greater than the laboratory method detection limit.
J - Estimated oraganic compound concentration
B - Estimated metal concentration.
Note 1 - MW-6S was removed during a building expansion

Table 3

Groundwater Quality Parameters Measured in Purge Water during
Low Stress (Low Flow) Purging and Sampling Procedure for the Collection of Groundwater Sampling (US EPA, 2010)
Balchem Corporation Facility at 2007 Route 284, Slate Hill, NY 10973
Groundwater Sampling Event: May 9, 2011
Prepared by William L. Going & Associates, Inc. in August 2011 Report

Sampling Location: MW-4S

Time	pH	Conductivity	Turbidity	Dissolved Oxygen	Temperature	Salinity	Total Diss Solids	Redox Potential	Depth of Water	Cumulative Purge (ml)	Pumping Rate (ml/min)
	0-14	mS/cm	NTU	mg/L	°C	0-4%	g/L	mv	(feet)	(ml)	(ml/min)
10:43	5.45	0	76	8.58	20	0	0	170	4.01		100
10:46	5.34	0	79.6	9.12	19.39	0	0	172			233
10:48	5.63	0	81.7	9.58	17.79	0	0	154	4.58	1000	225
10:50	5.37	0	8.27	10.24	16.17	0	0	131			
10:52	5.46	0	8.27	10.78	14.88	0	0	130		2000	200
10:53	5.42	0	80.7	10.88	13.77	0	0	139			
10:55	5.33	0	81.7	10.84	13.4	0	0	137		3000	250
10:56	5.33	0	82.2	10.84	13.24	0	0	139			
10:57	5.31	0	82.4	10.88	13.08	0	0	137	4.73	4000	285
10:58	5.31	0	84.4	10.74	12.73	0	0	139			
11:02	Collect sample: 9 VOC vials, 3 bottles									5000	263

Sampling Location: PZ-7

Time	pH	Conductivity	Turbidity	Dissolved Oxygen	Temperature	Salinity	Total Diss Solids	Redox Potential	Depth of Water	Cumulative Purge (ml)	Pumping Rate (ml/min)
	0-14	mS/cm	NTU	mg/L	°C	0-4%	g/L	mv	(feet)	(ml)	(ml/min)
12:05	6.32	0	81.8	8.95	20.77	0	4	49	12.55		
12:06	6.35	0	118	9.51	19.56	0	0	59		300	150
12:07	6.31	0	218	9.75	19.03	0	0	48			
12:08	6.33	0	33.9	9.97	18.46	0	0	67		600	150
12:09	6.13	0	2.8	10.26	17.85	0	0	80			
12:10	6.05	0	0.6	10.5	17.11	NA	NA	NA	16.55	900	150
									DRY		
After recovery, resume measurements, after three sets of measurements, take sample											
1:22PM	6.35	0	24.8	8.73	17.17	0	0	11	13.08	100	100
1:23PM	6.34	0	24.1	8.92	16.7	0	0	12		200	100
1:24PM	6.33	0	24.6	9.09	16.38	0	0	13		300	100
1:25PM	Collect sample: 3 VOC vials, 1 bottle										

Sampling Location: PZ-6

Time	pH	Conductivity	Turbidity	Dissolved Oxygen	Temperature	Salinity	Total Diss Solids	Redox Potential	Depth of Water	Cumulative Purge (ml)	Pumping Rate (ml/min)
	0-14	mS/cm	NTU	mg/L	°C	0-4%	g/L	mv	(feet)	(ml)	(ml/min)
12:45PM	6.62	0	0.8	8.66	18.76	0	0	-4	7.73		
12:46PM	6.58	0	2.2	8.83	18.43	0	0	-1			
12:47PM	6.59	0	1.3	9.02	17.75	0	0	-1			
12:48PM	6.61	0	0.3	9.11	17.5	0	0	-1			
12:50PM	6.53	0	NA	9.38	16.84	0	0	1		1000	200
12:51PM	Collect sample: 3 VOC vials, 1 bottle										

Note: Condutivity sensor was not working on rental Horiba water quality meter.

Table 4A

Summary of Measured and Estimated Concentrations in Groundwater Samples from Table 1
Laboaratory Analyses Provuded by Envirotest Laboratories, Newburgh, NY
Balchem Corporation Facility at 2007 Route 284, Slate Hill, NY 10973
Groundwater Sampling Event: May 9, 2011
Prepared by William L. Going & Associates, Inc. in August 2011 Report

▼Analyte/ Parameter Sampling Point ► Sampling Date ► Laboratory ID No ►	NYS Ambient Water Quality Standards (s) and Guidance Values (g) ug/L	PZ-6 5/9/11 420-43563-1	PZ-7 5/9/11 420-43563-2	MW-4S 5/9/11 420-43563-3	Sump 5/9/11 420-43563-4	Trip Blank 5/9/11 420-43563-5
VOCs						
1,2 Dichloroethane	5 s	ND	3.6 J	ND	ND	ND
2-Butanone	50 g	ND	2.9	ND	ND	ND
Acetone	50 g	ND	4	ND	2.2	ND
Benzene	1 s	ND	**200**	ND	ND	ND
cis-1,2 Dichloroethene	5 s	1.7	3.3	3.2	ND	ND
Ethylbenzene	5 s	ND	0.18 J	ND	ND	ND
Toluene	5 s	0.24 J	0.38 J	ND	ND	ND
Trichloroethene	5 s	0.57 J	ND	ND	0.65 J	ND
Vinyl Chloride	2 s	1.5	ND	ND	ND	ND
Xylenes (total)	5 s	ND	0.51 J	ND	ND	ND
Metal						
Lead	25 s	21	**52**	14	ND	NA

Notes: J = estimated values, ND = not detected at method detection limit, NA = not analyzed,
Trip Blank is analyzed only for VOCs.

Table 4B

Comments Relative to Laboratory Analyses Report listed above in Table 4A
All units of measurements for analytes and standarda are measured in ug/L.
Balchem Corporation Facility at 2007 Route 284, Slate Hill, NY 10973
Groundwater Sampling Event: May 9, 2011
Prepared by William L. Going & Associates, Inc. in August 2011 Report

VOCs	
Benzene	In PZ-7, benzene detected at 200 exceeding standard of 1. Slightly below the average of 210 for the previous 6 detections in PZ-7.
1,2 Dichloroethane	Not in the original analyte list of 9 chemicals of concern. In PZ-7 estimated detection at 3.6 J below the standard of 5.
2-Butanone Ethylbenzene Xylenes (total)	Only detected in PZ-7, all 3 analytes are estimated at least one order of magnitude below standards
Acetone	In PZ-7 & Sump, detected at one order of magnitude below standard.
cis-1,2 Dichloroethene	In PZ-6, PZ-7, MW-4S; detections below standard.
Toluene	In PZ-6 and PZ-7, estimated detections at one order of magnitude below standard.
Trichloroethene	In PZ-6 & Sump, estimated detections at one order of magnitude below standard.
Vinyl Chloride	Not in the original analyte list of 9 chemicals of concern. In PZ-6, detected below standard.
Metal	
Lead	In PZ-7, lead detected at 52 exceeding standard of 25. In PZ-6, MW-4S, detections below standard. Not detected previously in the Sump.

Form 1: Chain of Custody

Appendix A

EnviroTest Laboratories, Inc.

CHAIN OF CUSTODY

REPORT# (Lab Use Only) 43563

Lab Name: EnviroTest Laboratories
Address & Phone: 315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION
ENVIROTEST PROJECT MANAGER: Debra Bayer	P.O. NUMBER: MRO-REG-12	TOWN
CLIENT (SITE) PM: William Sweet	CLIENT PHONE: 355-5397/664-0420	CLIENT FAX: 845-355-5997
CLIENT NAME: Balchem Corporation	bsweet@balchemcorp.com	
CLIENT ADDRESS: 52 Sunrise Park Road, New Hampton, New York 10958		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 1 of 1

TURNAROUND TIME
NORMAL X
REPORT: Category B, EDD
VERBAL

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	D (Drinking Water) or W (Waste Water) Indicate	SOLID OR SEMISOLID	OTHER Specify	Total # of Containers	40ml Vials HCL	Liter Amber HCL	250ml Amber Sulfuric	Liter Amber	250ml Plastic Nitric Acid	250ml Plastic Sulfuric Acid	Liter Plastic	250ml Plastic Sodium Hyd.	125ml Plastic Sterile	250 plain plastic	Other	REMARKS
			NUMBER OF CONTAINERS SUBMITTED																	
5/9/11	PM 1300	PZ-6	✓					4	3				1							VOA 8260B, Lead 6010
5/9/11	PM 1230	PZ-7	✓					4	3				1							VOA 8260B, Lead 6010
5/9/11	PM 1130	MW4S * (see note)	✓					12	9				3							VOA 8260B, Lead 6010
5/9/11	PM 1330	Sump	✓					4	3				1							VOA 8260B, Lead 6010
5/9/11	PM	Trip Blank	✓					2	2											VOA 8260B
		~~Field Blank~~						~~3~~	~~3~~											~~VOA 8260B~~

#OF COOLERS

RELINQUISHED BY: (SIGNATURE)	COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
William Young	W.Gong & Assoc.	5/9/11	14:40				
SAMPLED BY: (SIGNATURE) William Young	COMPANY	DATE 5/9/11	TIME 1330	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME

* Extra sample for MS/MSD; Category B Report; EDD

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES NO	Cooler Temp.:	LABORATORY REMARKS: ICE (Y ✓ N) pH____ CL2____ Reveiwed by_____
Kintosh	5/9/11	1440		10.8	

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APPENDIX C

ChemWorld Environmental, Inc. 14 Orchard Way North, Rockville, MD 20854
301-294-6144 Phone and Fax

July 22, 2011

Ms. Debra Bayer
Customer Service Manager
EnviroTest Laboratories, Inc.
315 Fullerton Avenue
Newburgh, New York 12550

RE: Data Usability Summary Report (DUSR)
Balchem Project
Laboratory: EnviroTest Laboratories, Inc., Newburgh, New York
Lab Job No. 420-43563-1
Water Samples
Analyses for Volatile Organics and Inorganics (Lead, only)

Dear Ms. Bayer:

Data Usability Summary Report (DUSR) technical services were performed by ChemWorld Environmental, Inc. for the Balchem Project for the water sampling event of May 9, 2011. The DUSR review was performed in accordance with United States Environmental Protection Agency (USEPA) Region II data validation guidelines and New York State Department of Environmental Conservation (NYSDEC) Analytical Service Protocols (ASP) requirements, where applicable.

The analytical data from Lab Job No. 420-43563-1 was reviewed (screened) for the parameters noted. The data screening consisted of a review of the Quality Control (QC) Summary Forms and a brief review of various chromatograms and quantitation reports. The QC Forms were reviewed to determine whether any data required qualification based upon QC deviations noted on the Forms. The associated Analytical Data Result Forms are included as Attachment A. These Forms include data qualifiers as described within this letter report. Unless otherwise noted, all results included on the Forms are considered usable, based upon the DUSR review items noted below. Attachment B includes copies of the associated Case Narratives and the Chain-of-Custody forms.

The DUSR review items include the following, as method appropriate:

- Completeness of Data Package
- Chain-of-Custody Review
- Holding Times from Verified Time of Sample Receipt (VTSR)
- Surrogate Recovery
- GC/MS Instrument Performance Check
- Initial and Continuing Calibration
- Matrix Spike / Matrix Spike Duplicates (MS/MSD)
- Matrix Spike Blanks (MSB)
- Internal Standards
- Method and Field Blanks
- Contract Required Detection Limit (CRDL) Standards for ICP
- Laboratory Duplicate Samples
- Laboratory Control Samples (LCS)
- ICP Interference Check
- ICP Serial Dilution

The QC Summary Forms included various deviations based upon the acceptable limits for quality control. The following should be noted regarding qualification of the data set for the review items above.

APPENDIX C

Volatiles – Water, Lab Job No. 420-43563-1

Initial Calibration: One initial calibration analyzed on 04/14/2011 generated Average Response Factors (AvgRF) for Chloromethane and Bromomethane at less than the 0.05 limit. The AvgRF's were generated at 0.037 and 0.044, respectively. The associated samples were qualified as 'UJ', estimated, for the non-detectable results for these compounds. Positive results were not detected for either Volatile compound affected..

Continuing Calibration: The continuing calibration analyzed on 05/12/2011 at 10:21 generated Relative Response Factors (RRFs) at less than the 0.05 limit for Chloromethane and Bromomethane. The RRFs were generated at 0.033 and 0.040, respectively. The associated samples were previously qualified as 'UJ', estimated, through the Initial Calibration above. Additional qualification is not required for these compounds.

Inorganics (Lead, only) – Water, Lab Job No. 420-43563-1

Qualification of the data set for Lead, only, was not required. The associated quality control information was found to be generated within acceptable limits.

Please contact me by telephone or Fax at 301-294-6144, or email should you require additional information or clarification regarding this Letter Report.

Sincerely,

Andrea P. Schuessler

Andrea P. Schuessler, CHMM

c: ET-2011.1

APPENDIX C

ORGANIC DATA QUALIFIERS

U - Indicates that the compound was analyzed for, but not detected at or above the Contract Required Quantitation Limit (CRQL), or the compound is not detected due to qualification through the method or field blank.

J - The associated numerical value is an estimated quantity.

JN - Tentatively identified with approximated concentrations (Volatile and Semi-Volatile Organics). Presumptively present at an approximated quantity (Pesticides/PCBs).

UJ - The compound was analyzed for, but not detected. The sample quantitation limit is an estimated quantity due to variance from quality control limits.

C - Applies to Pesticide results where the identification has been confirmed by GC/MS.

E - Reported value is estimated due to quantitation above the calibration range.

D - Reported result taken from diluted sample analysis.

A - Aldol condensation product.

R - Reported value is unusable and rejected due to variance from quality control limits.

NA - Not Analyzed.

APPENDIX C

INORGANIC DATA QUALIFIERS

U - Indicates analyte not detected at or above the Contract Required Detection Limit (CRDL), or the compound is not detected due to qualification through the method or field blank.

B - Indicates analyte result is between Instrument Detection Limit (IDL) and CRDL.

J - The reported value is estimated due to variance from quality control limits.

UJ - The element was analyzed for, but not detected. The sample quantitation limit is an estimate due to variance from quality control limits.

E - Reported value is estimated because of the presence of interference.

R - Reported value is unusable and rejected due to variance from quality control limits.

NA - Not analyzed.

APPENDIX C

ATTACHMENT A

APPENDIX C

1
ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-6	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-1
Analysis Method:	8260B	Lab File ID:	V051206.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 12:45
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.22
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.11
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.17
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.18
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.18
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.15
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.17
591-78-6	2-Hexanone	1.0	U	1.0	0.18
67-64-1	Acetone	1.0	U	1.0	0.27
71-43-2	Benzene	1.0	U	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.17
74-83-9	Bromomethane	1.0	U J	1.0	0.10
75-15-0	Carbon disulfide	1.0	U	1.0	0.14
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.15
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
124-48-1	Dibromochloromethane	1.0	U	1.0	0.080
75-00-3	Chloroethane	1.0	U	1.0	0.21
67-66-3	Chloroform	1.0	U	1.0	0.14
74-87-3	Chloromethane	1.0	U J	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	1.7		1.0	0.14
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.10
75-27-4	Bromodichloromethane	1.0	U	1.0	0.16
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	1.0	U	1.0	0.13
98-82-8	Isopropylbenzene	1.0	U	1.0	0.10
78-93-3	2-Butanone (MEK)	1.0	U	1.0	0.070

FORM I 8260B

APPENDIX C

1
ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-6	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-1
Analysis Method:	8260B	Lab File ID:	V051206.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 12:45
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	1.0	0.15
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.080
75-09-2	Methylene Chloride	1.0	U	1.0	0.11
100-42-5	Styrene	1.0	U	1.0	0.12
1330-20-7	Xylenes, Total	1.0	U	1.0	0.34
75-01-4	Vinyl chloride	1.5		1.0	0.15
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.13
79-01-6	Trichloroethene	0.57	J	1.0	0.090
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.070
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
108-88-3	Toluene	0.24	J	1.0	0.12
127-18-4	Tetrachloroethene	1.0	U	1.0	0.24
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.17

FORM I 8260B

APPENDIX C

1
ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-7	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-2
Analysis Method:	8260B	Lab File ID:	V051207.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 13:36
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.22
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.11
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.17
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.18
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.18
107-06-2	1,2-Dichloroethane	3.6		1.0	0.10
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.15
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.17
591-78-6	2-Hexanone	1.0	U	1.0	0.18
67-64-1	Acetone	4.0		1.0	0.27
71-43-2	Benzene	180	E	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.17
74-83-9	Bromomethane	1.0	UJ	1.0	0.10
75-15-0	Carbon disulfide	1.0	U	1.0	0.14
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.15
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
124-48-1	Dibromochloromethane	1.0	U	1.0	0.080
75-00-3	Chloroethane	1.0	U	1.0	0.21
67-66-3	Chloroform	1.0	U	1.0	0.14
74-87-3	Chloromethane	1.0	UJ	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	3.3		1.0	0.14
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.10
75-27-4	Bromodichloromethane	1.0	U	1.0	0.16
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	0.18	J	1.0	0.13
98-82-8	Isopropylbenzene	1.0	U	1.0	0.10
78-93-3	2-Butanone (MEK)	2.9		1.0	0.070

FORM I 8260B

APPENDIX C

1
ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-7	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-2
Analysis Method:	8260B	Lab File ID:	V051207.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 13:36
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	1.0	0.15
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.080
75-09-2	Methylene Chloride	1.0	U	1.0	0.11
100-42-5	Styrene	1.0	U	1.0	0.12
1330-20-7	Xylenes, Total	0.51	J	1.0	0.34
75-01-4	Vinyl chloride	1.0	U	1.0	0.15
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.13
79-01-6	Trichloroethene	1.0	U	1.0	0.090
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.070
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
108-88-3	Toluene	0.38	J	1.0	0.12
127-18-4	Tetrachloroethene	1.0	U	1.0	0.24
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.17

FORM I 8260B

APPENDIX C

1
ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-7 DL	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-2
Analysis Method:	8260B	Lab File ID:	V051211.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 16:00
% Moisture:		Dilution Factor:	10
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	10	U	10	1.9
79-34-5	1,1,2,2-Tetrachloroethane	10	U	10	1.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	1.9
79-00-5	1,1,2-Trichloroethane	10	U	10	2.2
75-34-3	1,1-Dichloroethane	10	U	10	1.1
75-35-4	1,1-Dichloroethene	10	U	10	1.2
120-82-1	1,2,4-Trichlorobenzene	10	U	10	1.7
96-12-8	1,2-Dibromo-3-Chloropropane	50	U	50	1.8
95-50-1	1,2-Dichlorobenzene	10	U	10	1.8
107-06-2	1,2-Dichloroethane	4.5	J D	10	1.0
78-87-5	1,2-Dichloropropane	10	U	10	1.7
541-73-1	1,3-Dichlorobenzene	10	U	10	1.5
106-46-7	1,4-Dichlorobenzene	10	U	10	1.7
591-78-6	2-Hexanone	10	U	10	1.8
67-64-1	Acetone	10	U	10	2.7
71-43-2	Benzene	200	D	10	1.2
75-25-2	Bromoform	10	U	10	1.7
74-83-9	Bromomethane	10	U J	10	1.0
75-15-0	Carbon disulfide	10	U	10	1.4
56-23-5	Carbon tetrachloride	10	U	10	1.5
108-90-7	Chlorobenzene	10	U	10	1.6
124-48-1	Dibromochloromethane	10	U	10	0.80
75-00-3	Chloroethane	10	U	10	2.1
67-66-3	Chloroform	10	U	10	1.4
74-87-3	Chloromethane	10	U J	10	1.4
156-59-2	cis-1,2-Dichloroethene	3.7	J D	10	1.4
10061-01-5	cis-1,3-Dichloropropene	10	U	10	1.0
75-27-4	Bromodichloromethane	10	U	10	1.6
75-71-8	Dichlorodifluoromethane	10	U	10	1.6
100-41-4	Ethylbenzene	10	U	10	1.3
98-82-8	Isopropylbenzene	10	U	10	1.0
78-93-3	2-Butanone (MEK)	10	U	10	0.70

FORM I 8260B

APPENDIX C

1
ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-7 DL	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-2
Analysis Method:	8260B	Lab File ID:	V051211.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 16:00
% Moisture:		Dilution Factor:	10
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	1.5
1634-04-4	Methyl tert-butyl ether	10	U	10	0.80
75-09-2	Methylene Chloride	10	U	10	1.1
100-42-5	Styrene	10	U	10	1.2
1330-20-7	Xylenes, Total	10	U	10	3.4
75-01-4	Vinyl chloride	10	U	10	1.5
75-69-4	Trichlorofluoromethane	10	U	10	1.3
79-01-6	Trichloroethene	10	U	10	0.90
10061-02-6	trans-1,3-Dichloropropene	10	U	10	0.70
156-60-5	trans-1,2-Dichloroethene	10	U	10	1.4
108-88-3	Toluene	10	U	10	1.2
127-18-4	Tetrachloroethene	10	U	10	2.4
106-93-4	1,2-Dibromoethane	10	U	10	1.7

FORM I 8260B

APPENDIX C

1
ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	MW4S	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-3
Analysis Method:	8260B	Lab File ID:	V051208.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 14:12
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.22
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.11
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.17
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.18
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.18
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.15
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.17
591-78-6	2-Hexanone	1.0	U	1.0	0.18
67-64-1	Acetone	1.0	U	1.0	0.27
71-43-2	Benzene	1.0	U	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.17
74-83-9	Bromomethane	1.0	UJ	1.0	0.10
75-15-0	Carbon disulfide	1.0	U	1.0	0.14
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.15
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
124-48-1	Dibromochloromethane	1.0	U	1.0	0.080
75-00-3	Chloroethane	1.0	U	1.0	0.21
67-66-3	Chloroform	1.0	U	1.0	0.14
74-87-3	Chloromethane	1.0	UJ	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	3.2		1.0	0.14
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.10
75-27-4	Bromodichloromethane	1.0	U	1.0	0.16
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	1.0	U	1.0	0.13
98-82-8	Isopropylbenzene	1.0	U	1.0	0.10
78-93-3	2-Butanone (MEK)	1.0	U	1.0	0.070

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APPENDIX C

1
ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	MW4S	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-3
Analysis Method:	8260B	Lab File ID:	V051208.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 14:12
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	1.0	0.15
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.080
75-09-2	Methylene Chloride	1.0	U	1.0	0.11
100-42-5	Styrene	1.0	U	1.0	0.12
1330-20-7	Xylenes, Total	1.0	U	1.0	0.34
75-01-4	Vinyl chloride	1.0	U	1.0	0.15
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.13
79-01-6	Trichloroethene	1.0	U	1.0	0.090
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.070
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
108-88-3	Toluene	1.0	U	1.0	0.12
127-18-4	Tetrachloroethene	1.0	U	1.0	0.24
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.17

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APPENDIX C

1
ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	SUMP	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-4
Analysis Method:	8260B	Lab File ID:	V051209.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 14:48
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.22
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.11
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.17
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.18
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.18
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.15
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.17
591-78-6	2-Hexanone	1.0	U	1.0	0.18
67-64-1	Acetone	2.2		1.0	0.27
71-43-2	Benzene	1.0	U	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.17
74-83-9	Bromomethane	1.0	U	1.0	0.10
75-15-0	Carbon disulfide	1.0	U	1.0	0.14
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.15
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
124-48-1	Dibromochloromethane	1.0	U	1.0	0.080
75-00-3	Chloroethane	1.0	U	1.0	0.21
67-66-3	Chloroform	1.0	U	1.0	0.14
74-87-3	Chloromethane	1.0	U	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.14
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.10
75-27-4	Bromodichloromethane	1.0	U	1.0	0.16
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	1.0	U	1.0	0.13
98-82-8	Isopropylbenzene	1.0	U	1.0	0.10
78-93-3	2-Butanone (MEK)	1.0	U	1.0	0.070

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1
ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	SUMP	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-4
Analysis Method:	8260B	Lab File ID:	V051209.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 14:48
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	1.0	0.15
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.080
75-09-2	Methylene Chloride	1.0	U	1.0	0.11
100-42-5	Styrene	1.0	U	1.0	0.12
1330-20-7	Xylenes, Total	1.0	U	1.0	0.34
75-01-4	Vinyl chloride	1.0	U	1.0	0.15
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.13
79-01-6	Trichloroethene	0.65	J	1.0	0.090
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.070
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
108-88-3	Toluene	1.0	U	1.0	0.12
127-18-4	Tetrachloroethene	1.0	U	1.0	0.24
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.17

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APPENDIX C

1
ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	Trip Blank	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-5
Analysis Method:	8260B	Lab File ID:	V051210.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 15:24
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	1.0
75-34-3	1,1-Dichloroethane	1.0	U	1.0	1.0
75-35-4	1,1-Dichloroethene	1.0	U	1.0	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	5.0
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	1.0
107-06-2	1,2-Dichloroethane	1.0	U	1.0	1.0
78-87-5	1,2-Dichloropropane	1.0	U	1.0	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	1.0
591-78-6	2-Hexanone	1.0	U	1.0	1.0
67-64-1	Acetone	1.0	U	1.0	1.0
71-43-2	Benzene	1.0	U	1.0	1.0
75-25-2	Bromoform	1.0	U	1.0	1.0
74-83-9	Bromomethane	1.0	UJ	1.0	1.0
75-15-0	Carbon disulfide	1.0	U	1.0	1.0
56-23-5	Carbon tetrachloride	1.0	U	1.0	1.0
108-90-7	Chlorobenzene	1.0	U	1.0	1.0
124-48-1	Dibromochloromethane	1.0	U	1.0	1.0
75-00-3	Chloroethane	1.0	U	1.0	1.0
67-66-3	Chloroform	1.0	U	1.0	1.0
74-87-3	Chloromethane	1.0	UJ	1.0	1.0
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	1.0
100-41-4	Ethylbenzene	1.0	U	1.0	1.0
98-82-8	Isopropylbenzene	1.0	U	1.0	1.0
78-93-3	2-Butanone (MEK)	1.0	U	1.0	1.0

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APPENDIX C

1
ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	Trip Blank	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-5
Analysis Method:	8260B	Lab File ID:	V051210.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 15:24
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	RL
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	1.0
75-09-2	Methylene Chloride	1.0	U	1.0	1.0
100-42-5	Styrene	1.0	U	1.0	1.0
1330-20-7	Xylenes, Total	1.0	U	1.0	1.0
75-01-4	Vinyl chloride	1.0	U	1.0	1.0
75-69-4	Trichlorofluoromethane	1.0	U	1.0	1.0
79-01-6	Trichloroethene	1.0	U	1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	1.0
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	1.0
108-88-3	Toluene	1.0	U	1.0	1.0
127-18-4	Tetrachloroethene	1.0	U	1.0	1.0
106-93-4	1,2-Dibromoethane	1.0	U	1.0	1.0

FORM I 8260B

APPENDIX C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID:	PZ-6	Lab Sample ID:	420-43563-1
Lab Name:	EnviroTest Laboratories, Inc.	Job No.:	420-43563-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/09/2011 13:30
Reporting Basis:	WET	Date Received:	05/09/2011 14:40
% Solids:			

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7439-92-1	Pb	21	5.0		ug/L			1	6010B

APPENDIX C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID:	PZ-7	Lab Sample ID:	420-43563-2
Lab Name:	EnviroTest Laboratories, Inc.	Job No.:	420-43563-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/09/2011 12:30
Reporting Basis:	WET	Date Received:	05/09/2011 14:40
% Solids:			

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7439-92-1	Pb	52	5.0		ug/L			1	6010B

APPENDIX C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID:	MW4S	Lab Sample ID:	420-43563-3
Lab Name:	EnviroTest Laboratories, Inc.	Job No.:	420-43563-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/09/2011 11:30
Reporting Basis:	WET	Date Received:	05/09/2011 14:40
% Solids:			

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7439-92-1	Pb	14	5.0		ug/L			1	6010B

FORM IA-IN

APPENDIX C

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID:	SUMP	Lab Sample ID:	420-43863-4
Lab Name:	EnviroTest Laboratories, Inc.	Job No.:	420-43863-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/09/2011 13:30
Reporting Basis:	WET	Date Received:	05/09/2011 14:40
% Solids:			

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7439-92-1	Pb	5.0	5.0		ug/L	U		1	6010B

FORM IA-IN

APPENDIX C

ATTACHMENT B

APPENDIX C

Job Narrative
420-J43563-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
The following sample was diluted due to compounds over the linear calibration range.
PZ-7DL (420-43563-2DL)

Metals
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

APPENDIX C

SAMPLE SUMMARY

Client: Balchem Corporation

Job Number: 420-43563-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-43563-1	PZ-6	Water	05/09/2011 1300	05/09/2011 1440
420-43563-2	PZ-7	Water	05/09/2011 1230	05/09/2011 1440
420-43563-3	MW4S	Water	05/09/2011 1130	05/09/2011 1440
420-43563-4	SUMP	Water	05/09/2011 1330	05/09/2011 1440
420-43563-5	Trip Blank	Water	05/09/2011 0000	05/09/2011 1440

APPENDIX C

METHOD SUMMARY

Client: Balchem Corporation

Job Number: 420-43563-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Inductively Coupled Plasma - Atomic Emission Spectrometry	EnvTest	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts for	EnvTest		SW846 3010A
Volatile Organic Compounds by GC/MS	EnvTest	SW846 8260B	
Purge-and-Trap	EnvTest		SW846 5030B

Lab References:

EnvTest = EnviroTest

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

EnviroTest Laboratories, Inc.

CHAIN OF CUSTODY

REPORT# (Lab Use Only) 43562

Lab Name: EnviroTest Laboratories
Address & Phone: 315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION
ENVIROTEST PROJECT MANAGER: Debra Bayer	P.O. NUMBER: MRO-REG-12	TOWN
CLIENT (SITE) PM: William Sweet	CLIENT PHONE: 355-5397/664-0420	CLIENT FAX: 845-355-5997
CLIENT NAME: Balchem Corporation	bsweet@balchemcorp.com	
CLIENT ADDRESS: 52 Sunrise Park Road, New Hampton, New York 10958		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 1 of 1

TURNAROUND TIME
NORMAL X
REPORT: Category B, EDD
VERBAL

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	D (Drinking Water) or W (Waste Water) Indicate	SOLID OR SEMISOLID	OTHER (Specify)	Total # of Containers	40ml Vials HCL	Liter Amber HCL	250ml Amber Sulfuric	Liter Amber	250ml Plastic Nitric Acid	250ml Plastic Sulfuric Acid	Liter Plastic	250ml Plastic Sodium Hyd.	125ml Plastic Sterile	250 plain plastic	Other	REMARKS
		NUMBER OF CONTAINERS SUBMITTED																		#OF COOLERS
5/9/11	PM 1330	PZ-6	✓					4	3				1							VOA 8260B, Lead 6010
5/9/11	PM 1330	PZ-7	✓					4	3				1							VOA 8260B, Lead 6010
5/9/11	PM 1330	MW4S * (see note)	✓					12	9				3							VOA 8260B, Lead 6010
5/9/11	PM 1330	Sump	✓					4	3				1							VOA 8260B, Lead 6010
5/9/11	PM	Trip Blank	✓					2	2											VOA 8260B
		~~Field Blank~~						~~3~~	~~3~~											~~VOA 8260B~~

RELINQUISHED BY: (SIGNATURE)	COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
William Young	W.L. Gore & Assoc.	5/9/11	14:40				
SAMPLED BY: (SIGNATURE) William Young	COMPANY	DATE 5/9/11	TIME 1330	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME

* Extra sample for MS/MSD; Category B Report; EDD

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	Cooler Temp.:	LABORATORY REMARKS:
Nicholas Gil	5/9/11	1440	YES / NO	10.8	ICE (Y ✓ N) pH____ CL2____ Reveiwed by_____

ChemWorld Environmental, Inc. 14 Orchard Way North, Rockville, MD 20854
301-294-6144 Phone and Fax

July 22, 2011

Ms. Debra Bayer
Customer Service Manager
EnviroTest Laboratories, Inc.
315 Fullerton Avenue
Newburgh, New York 12550

RE: Data Usability Summary Report (DUSR)
Balchem Project
Laboratory: EnviroTest Laboratories, Inc., Newburgh, New York
Lab Job No. 420-43563-1
Water Samples
Analyses for Volatile Organics and Inorganics (Lead, only)

Dear Ms. Bayer:

Data Usability Summary Report (DUSR) technical services were performed by ChemWorld Environmental, Inc. for the Balchem Project for the water sampling event of May 9, 2011. The DUSR review was performed in accordance with United States Environmental Protection Agency (USEPA) Region II data validation guidelines and New York State Department of Environmental Conservation (NYSDEC) Analytical Service Protocols (ASP) requirements, where applicable.

The analytical data from Lab Job No. 420-43563-1 was reviewed (screened) for the parameters noted. The data screening consisted of a review of the Quality Control (QC) Summary Forms and a brief review of various chromatograms and quantitation reports. The QC Forms were reviewed to determine whether any data required qualification based upon QC deviations noted on the Forms. The associated Analytical Data Result Forms are included as Attachment A. These Forms include data qualifiers as described within this letter report. Unless otherwise noted, all results included on the Forms are considered usable, based upon the DUSR review items noted below. Attachment B includes copies of the associated Case Narratives and the Chain-of-Custody forms.

The DUSR review items include the following, as method appropriate:

- Completeness of Data Package
- Chain-of-Custody Review
- Holding Times from Verified Time of Sample Receipt (VTSR)
- Surrogate Recovery
- GC/MS Instrument Performance Check
- Initial and Continuing Calibration
- Matrix Spike / Matrix Spike Duplicates (MS/MSD)
- Matrix Spike Blanks (MSB)
- Internal Standards
- Method and Field Blanks
- Contract Required Detection Limit (CRDL) Standards for ICP
- Laboratory Duplicate Samples
- Laboratory Control Samples (LCS)
- ICP Interference Check
- ICP Serial Dilution

The QC Summary Forms included various deviations based upon the acceptable limits for quality control. The following should be noted regarding qualification of the data set for the review items above.

Volatiles – Water, Lab Job No. 420-43563-1

Initial Calibration: One initial calibration analyzed on 04/14/2011 generated Average Response Factors (AvgRF) for Chloromethane and Bromomethane at less than the 0.05 limit. The AvgRF's were generated at 0.037 and 0.044, respectively. The associated samples were qualified as 'UJ', estimated, for the non-detectable results for these compounds. Positive results were not detected for either Volatile compound affected..

Continuing Calibration: The continuing calibration analyzed on 05/12/2011 at 10:21 generated Relative Response Factors (RRFs) at less than the 0.05 limit for Chloromethane and Bromomethane. The RRFs were generated at 0.033 and 0.040, respectively. The associated samples were previously qualified as 'UJ', estimated, through the Initial Calibration above. Additional qualification is not required for these compounds.

Inorganics (Lead, only) – Water, Lab Job No. 420-43563-1

Qualification of the data set for Lead, only, was not required. The associated quality control information was found to be generated within acceptable limits.

Please contact me by telephone or Fax at 301-294-6144, or email should you require additional information or clarification regarding this Letter Report.

Sincerely,

Andrea P. Schuessler

Andrea P. Schuessler, CHMM

c: ET-2011.1

ORGANIC DATA QUALIFIERS

U - Indicates that the compound was analyzed for, but not detected at or above the Contract Required Quantitation Limit (CRQL), or the compound is not detected due to qualification through the method or field blank.

J - The associated numerical value is an estimated quantity.

JN - Tentatively identified with approximated concentrations (Volatile and Semi-Volatile Organics). Presumptively present at an approximated quantity (Pesticides/PCBs).

UJ - The compound was analyzed for, but not detected. The sample quantitation limit is an estimated quantity due to variance from quality control limits.

C - Applies to Pesticide results where the identification has been confirmed by GC/MS.

E - Reported value is estimated due to quantitation above the calibration range.

D - Reported result taken from diluted sample analysis.

A - Aldol condensation product.

R - Reported value is unusable and rejected due to variance from quality control limits.

NA - Not Analyzed.

INORGANIC DATA QUALIFIERS

U - Indicates analyte not detected at or above the Contract Required Detection Limit (CRDL), or the compound is not detected due to qualification through the method or field blank.

B - Indicates analyte result is between Instrument Detection Limit (IDL) and CRDL.

J - The reported value is estimated due to variance from quality control limits.

UJ - The element was analyzed for, but not detected. The sample quantitation limit is an estimate due to variance from quality control limits.

E - Reported value is estimated because of the presence of interference.

R - Reported value is unusable and rejected due to variance from quality control limits.

NA - Not analyzed.

ATTACHMENT A

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ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-6	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-1
Analysis Method:	8260B	Lab File ID:	V051206.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 12:45
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.22
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.11
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.17
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.18
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.18
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.15
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.17
591-78-6	2-Hexanone	1.0	U	1.0	0.18
67-64-1	Acetone	1.0	U	1.0	0.27
71-43-2	Benzene	1.0	U	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.17
74-83-9	Bromomethane	1.0	U J	1.0	0.10
75-15-0	Carbon disulfide	1.0	U	1.0	0.14
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.15
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
124-48-1	Dibromochloromethane	1.0	U	1.0	0.080
75-00-3	Chloroethane	1.0	U	1.0	0.21
67-66-3	Chloroform	1.0	U	1.0	0.14
74-87-3	Chloromethane	1.0	U J	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	1.7		1.0	0.14
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.10
75-27-4	Bromodichloromethane	1.0	U	1.0	0.16
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	1.0	U	1.0	0.13
98-82-8	Isopropylbenzene	1.0	U	1.0	0.10
78-93-3	2-Butanone (MEK)	1.0	U	1.0	0.070

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ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-6	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-1
Analysis Method:	8260B	Lab File ID:	V051206.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 12:45
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	1.0	0.15
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.080
75-09-2	Methylene Chloride	1.0	U	1.0	0.11
100-42-5	Styrene	1.0	U	1.0	0.12
1330-20-7	Xylenes, Total	1.0	U	1.0	0.34
75-01-4	Vinyl chloride	1.5		1.0	0.15
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.13
79-01-6	Trichloroethene	0.57	J	1.0	0.090
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.070
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
108-88-3	Toluene	0.24	J	1.0	0.12
127-18-4	Tetrachloroethene	1.0	U	1.0	0.24
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.17

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ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-7	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-2
Analysis Method:	8260B	Lab File ID:	V051207.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 13:36
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.22
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.11
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.17
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.18
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.18
107-06-2	1,2-Dichloroethane	3.6		1.0	0.10
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.15
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.17
591-78-6	2-Hexanone	1.0	U	1.0	0.18
67-64-1	Acetone	4.0		1.0	0.27
71-43-2	Benzene	180	E	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.17
74-83-9	Bromomethane	1.0	UJ	1.0	0.10
75-15-0	Carbon disulfide	1.0	U	1.0	0.14
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.15
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
124-48-1	Dibromochloromethane	1.0	U	1.0	0.080
75-00-3	Chloroethane	1.0	U	1.0	0.21
67-66-3	Chloroform	1.0	U	1.0	0.14
74-87-3	Chloromethane	1.0	UJ	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	3.3		1.0	0.14
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.10
75-27-4	Bromodichloromethane	1.0	U	1.0	0.16
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	0.18	J	1.0	0.13
98-82-8	Isopropylbenzene	1.0	U	1.0	0.10
78-93-3	2-Butanone (MEK)	2.9		1.0	0.070

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ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-7	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-2
Analysis Method:	8260B	Lab File ID:	V051207.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 13:36
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	1.0	0.15
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.080
75-09-2	Methylene Chloride	1.0	U	1.0	0.11
100-42-5	Styrene	1.0	U	1.0	0.12
1330-20-7	Xylenes, Total	0.51	J	1.0	0.34
75-01-4	Vinyl chloride	1.0	U	1.0	0.15
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.13
79-01-6	Trichloroethene	1.0	U	1.0	0.090
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.070
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
108-88-3	Toluene	0.38	J	1.0	0.12
127-18-4	Tetrachloroethene	1.0	U	1.0	0.24
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.17

ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-7 DL	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-2
Analysis Method:	8260B	Lab File ID:	V051211.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 16:00
% Moisture:		Dilution Factor:	10
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	10	U	10	1.9
79-34-5	1,1,2,2-Tetrachloroethane	10	U	10	1.8
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	1.9
79-00-5	1,1,2-Trichloroethane	10	U	10	2.2
75-34-3	1,1-Dichloroethane	10	U	10	1.1
75-35-4	1,1-Dichloroethene	10	U	10	1.2
120-82-1	1,2,4-Trichlorobenzene	10	U	10	1.7
96-12-8	1,2-Dibromo-3-Chloropropane	50	U	50	1.8
95-50-1	1,2-Dichlorobenzene	10	U	10	1.8
107-06-2	1,2-Dichloroethane	4.5	J D	10	1.0
78-87-5	1,2-Dichloropropane	10	U	10	1.7
541-73-1	1,3-Dichlorobenzene	10	U	10	1.5
106-46-7	1,4-Dichlorobenzene	10	U	10	1.7
591-78-6	2-Hexanone	10	U	10	1.8
67-64-1	Acetone	10	U	10	2.7
71-43-2	Benzene	200	D	10	1.2
75-25-2	Bromoform	10	U	10	1.7
74-83-9	Bromomethane	10	U J	10	1.0
75-15-0	Carbon disulfide	10	U	10	1.4
56-23-5	Carbon tetrachloride	10	U	10	1.5
108-90-7	Chlorobenzene	10	U	10	1.6
124-48-1	Dibromochloromethane	10	U	10	0.80
75-00-3	Chloroethane	10	U	10	2.1
67-66-3	Chloroform	10	U	10	1.4
74-87-3	Chloromethane	10	U J	10	1.4
156-59-2	cis-1,2-Dichloroethene	3.7	J D	10	1.4
10061-01-5	cis-1,3-Dichloropropene	10	U	10	1.0
75-27-4	Bromodichloromethane	10	U	10	1.6
75-71-8	Dichlorodifluoromethane	10	U	10	1.6
100-41-4	Ethylbenzene	10	U	10	1.3
98-82-8	Isopropylbenzene	10	U	10	1.0
78-93-3	2-Butanone (MEK)	10	U	10	0.70

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ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	PZ-7 DL	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-2
Analysis Method:	8260B	Lab File ID:	V051211.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 16:00
% Moisture:		Dilution Factor:	10
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	1.5
1634-04-4	Methyl tert-butyl ether	10	U	10	0.80
75-09-2	Methylene Chloride	10	U	10	1.1
100-42-5	Styrene	10	U	10	1.2
1330-20-7	Xylenes, Total	10	U	10	3.4
75-01-4	Vinyl chloride	10	U	10	1.5
75-69-4	Trichlorofluoromethane	10	U	10	1.3
79-01-6	Trichloroethene	10	U	10	0.90
10061-02-6	trans-1,3-Dichloropropene	10	U	10	0.70
156-60-5	trans-1,2-Dichloroethene	10	U	10	1.4
108-88-3	Toluene	10	U	10	1.2
127-18-4	Tetrachloroethene	10	U	10	2.4
106-93-4	1,2-Dibromoethane	10	U	10	1.7

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ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	MW4S	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-3
Analysis Method:	8260B	Lab File ID:	V051208.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 14:12
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.22
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.11
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.17
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.18
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.18
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.15
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.17
591-78-6	2-Hexanone	1.0	U	1.0	0.18
67-64-1	Acetone	1.0	U	1.0	0.27
71-43-2	Benzene	1.0	U	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.17
74-83-9	Bromomethane	1.0	U J	1.0	0.10
75-15-0	Carbon disulfide	1.0	U	1.0	0.14
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.15
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
124-48-1	Dibromochloromethane	1.0	U	1.0	0.080
75-00-3	Chloroethane	1.0	U	1.0	0.21
67-66-3	Chloroform	1.0	U	1.0	0.14
74-87-3	Chloromethane	1.0	U J	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	3.2		1.0	0.14
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.10
75-27-4	Bromodichloromethane	1.0	U	1.0	0.16
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	1.0	U	1.0	0.13
98-82-8	Isopropylbenzene	1.0	U	1.0	0.10
78-93-3	2-Butanone (MEK)	1.0	U	1.0	0.070

FORM I 8260B

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ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	MW4S	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-3
Analysis Method:	8260B	Lab File ID:	V051208.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 14:12
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	1.0	0.15
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.080
75-09-2	Methylene Chloride	1.0	U	1.0	0.11
100-42-5	Styrene	1.0	U	1.0	0.12
1330-20-7	Xylenes, Total	1.0	U	1.0	0.34
75-01-4	Vinyl chloride	1.0	U	1.0	0.15
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.13
79-01-6	Trichloroethene	1.0	U	1.0	0.090
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.070
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
108-88-3	Toluene	1.0	U	1.0	0.12
127-18-4	Tetrachloroethene	1.0	U	1.0	0.24
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.17

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ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	SUMP	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-4
Analysis Method:	8260B	Lab File ID:	V051209.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 14:48
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.19
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.18
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.19
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.22
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.11
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.12
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.17
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	0.18
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.18
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.10
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.17
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.15
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.17
591-78-6	2-Hexanone	1.0	U	1.0	0.18
67-64-1	Acetone	2.2		1.0	0.27
71-43-2	Benzene	1.0	U	1.0	0.12
75-25-2	Bromoform	1.0	U	1.0	0.17
74-83-9	Bromomethane	1.0	U J	1.0	0.10
75-15-0	Carbon disulfide	1.0	U	1.0	0.14
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.15
108-90-7	Chlorobenzene	1.0	U	1.0	0.16
124-48-1	Dibromochloromethane	1.0	U	1.0	0.080
75-00-3	Chloroethane	1.0	U	1.0	0.21
67-66-3	Chloroform	1.0	U	1.0	0.14
74-87-3	Chloromethane	1.0	U J	1.0	0.14
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.14
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.10
75-27-4	Bromodichloromethane	1.0	U	1.0	0.16
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.16
100-41-4	Ethylbenzene	1.0	U	1.0	0.13
98-82-8	Isopropylbenzene	1.0	U	1.0	0.10
78-93-3	2-Butanone (MEK)	1.0	U	1.0	0.070

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ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	SUMP	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-4
Analysis Method:	8260B	Lab File ID:	V051209.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 14:48
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	MDL
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	1.0	0.15
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.080
75-09-2	Methylene Chloride	1.0	U	1.0	0.11
100-42-5	Styrene	1.0	U	1.0	0.12
1330-20-7	Xylenes, Total	1.0	U	1.0	0.34
75-01-4	Vinyl chloride	1.0	U	1.0	0.15
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.13
79-01-6	Trichloroethene	0.65	J	1.0	0.090
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.070
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.14
108-88-3	Toluene	1.0	U	1.0	0.12
127-18-4	Tetrachloroethene	1.0	U	1.0	0.24
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.17

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ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	Trip Blank	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-5
Analysis Method:	8260B	Lab File ID:	V051210.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 15:24
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	1.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	1.0
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	1.0
75-34-3	1,1-Dichloroethane	1.0	U	1.0	1.0
75-35-4	1,1-Dichloroethene	1.0	U	1.0	1.0
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U	5.0	5.0
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	1.0
107-06-2	1,2-Dichloroethane	1.0	U	1.0	1.0
78-87-5	1,2-Dichloropropane	1.0	U	1.0	1.0
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	1.0
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	1.0
591-78-6	2-Hexanone	1.0	U	1.0	1.0
67-64-1	Acetone	1.0	U	1.0	1.0
71-43-2	Benzene	1.0	U	1.0	1.0
75-25-2	Bromoform	1.0	U	1.0	1.0
74-83-9	Bromomethane	1.0	UJ	1.0	1.0
75-15-0	Carbon disulfide	1.0	U	1.0	1.0
56-23-5	Carbon tetrachloride	1.0	U	1.0	1.0
108-90-7	Chlorobenzene	1.0	U	1.0	1.0
124-48-1	Dibromochloromethane	1.0	U	1.0	1.0
75-00-3	Chloroethane	1.0	U	1.0	1.0
67-66-3	Chloroform	1.0	U	1.0	1.0
74-87-3	Chloromethane	1.0	UJ	1.0	1.0
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	1.0
100-41-4	Ethylbenzene	1.0	U	1.0	1.0
98-82-8	Isopropylbenzene	1.0	U	1.0	1.0
78-93-3	2-Butanone (MEK)	1.0	U	1.0	1.0

FORM I 8260B

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ORGANIC ANALYSIS DATA SHEET
VOLATILE ORGANIC COMPOUNDS BY GC/MS

Client Sample ID:	Trip Blank	Project:	Balchem Corporation
Lab Name:	EnviroTest Laboratories,	Job No.:	420-43563-1
SDG No.:			
Matrix:	Water	Lab Sample ID:	420-43563-5
Analysis Method:	8260B	Lab File ID:	V051210.D
Sample wt/vol:	5 (mL)	Date Received:	05/09/2011 14:40
Level: (low/med)	Low	Date Analyzed:	05/12/2011 15:24
% Moisture:		Dilution Factor:	1
GC Column/ID:		Soil Aliquot:	
Soil Extract Vol.:		Units:	ug/L
Analy. Batch No.:	46954		

CAS No.	Compound Name	Result	Q	RL	RL
108-10-1	4-Methyl-2-pentanone (MIBK)	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	1.0
75-09-2	Methylene Chloride	1.0	U	1.0	1.0
100-42-5	Styrene	1.0	U	1.0	1.0
1330-20-7	Xylenes, Total	1.0	U	1.0	1.0
75-01-4	Vinyl chloride	1.0	U	1.0	1.0
75-69-4	Trichlorofluoromethane	1.0	U	1.0	1.0
79-01-6	Trichloroethene	1.0	U	1.0	1.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	1.0
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	1.0
108-88-3	Toluene	1.0	U	1.0	1.0
127-18-4	Tetrachloroethene	1.0	U	1.0	1.0
106-93-4	1,2-Dibromoethane	1.0	U	1.0	1.0

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID:	PZ-6	Lab Sample ID:	420-43563-1
Lab Name:	EnviroTest Laboratories, Inc.	Job No.:	420-43563-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/09/2011 13:00
Reporting Basis:	WET	Date Received:	05/09/2011 14:40
% Solids:			

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7439-92-1	Pb	21	5.0		ug/L			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID:	PZ-7	Lab Sample ID:	420-43563-2
Lab Name:	EnviroTest Laboratories, Inc.	Job No.:	420-43563-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/09/2011 12:30
Reporting Basis:	WET	Date Received:	05/09/2011 14:40
% Solids:			

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7439-92-1	Pb	52	5.0		ug/L			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID:	MW43	Lab Sample ID:	420-43663-3
Lab Name:	EnviroTest Laboratories, Inc.	Job No.:	420-43663-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/09/2011 11:30
Reporting Basis:	WET	Date Received:	05/09/2011 14:40
% Solids:			

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7439-92-1	Pb	14	5.0		ug/L			1	6010B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID:	SUMP	Lab Sample ID:	420-43563-4
Lab Name:	EnviroTest Laboratories, Inc.	Job No.:	420-43563-1
SDG ID.:			
Matrix:	Water	Date Sampled:	05/09/2011 13:30
Reporting Basis:	WET	Date Received:	05/09/2011 14:40
% Solids:			

CAS No.	Analyte	Conc.	RL		Units	C	Q	DIL	Method
7439-92-1	Pb	5.0	5.0		ug/L	U		1	6010B

FORM IA-IN

ATTACHMENT B

Job Narrative
420-J43563-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
The following sample was diluted due to compounds over the linear calibration range.
PZ-7DL (420-43563-2DL)

Metals
No analytical or quality issues were noted.

VOA Prep
No analytical or quality issues were noted.

SAMPLE SUMMARY

Client: Balchem Corporation

Job Number: 420-43563-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-43563-1	PZ-6	Water	05/09/2011 1300	05/09/2011 1440
420-43563-2	PZ-7	Water	05/09/2011 1230	05/09/2011 1440
420-43563-3	MW4S	Water	05/09/2011 1130	05/09/2011 1440
420-43563-4	SUMP	Water	05/09/2011 1330	05/09/2011 1440
420-43563-5	Trip Blank	Water	05/09/2011 0000	05/09/2011 1440

METHOD SUMMARY

Client: Balchem Corporation

Job Number: 420-43563-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Inductively Coupled Plasma - Atomic Emission Spectrometry	EnvTest	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts for	EnvTest		SW846 3010A
Volatile Organic Compounds by GC/MS	EnvTest	SW846 8260B	
Purge-and-Trap	EnvTest		SW846 5030B

Lab References:

EnvTest = EnviroTest

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

EnviroTest Laboratories, Inc.

CHAIN OF CUSTODY

REPORT# (Lab Use Only) 43562

Lab Name: EnviroTest Laboratories
Address & Phone: 315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION
ENVIROTEST PROJECT MANAGER: Debra Bayer	P.O. NUMBER: MRO-REG-12	TOWN
CLIENT (SITE) PM: William Sweet	CLIENT PHONE: 355-5397/664-0420	CLIENT FAX: 845-355-5997
CLIENT NAME: Balchem Corporation	bsweet@balchemcorp.com	
CLIENT ADDRESS: 52 Sunrise Park Road, New Hampton, New York 10958		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE 1 of 1

TURNAROUND TIME
NORMAL X
REPORT: Category B, EDD
VERBAL

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX TYPE: COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	D (Drinking Water) or W (Waste Water) Indicate	SOLID OR SEMISOLID	OTHER Specify	Total # of Containers	40ml Vials HCL	Liter Amber HCL	250ml Amber Sulfuric	Liter Amber	250ml Plastic Nitric Acid	250ml Plastic Sulfuric Acid	Liter Plastic	250ml Plastic Sodium Hyd.	125ml Plastic Sterile	250 plain plastic	Other	#OF COOLERS	REMARKS
		REQUIRED ANALYSES / NUMBER OF CONTAINERS SUBMITTED																			
5/9/11	PM 1300	PZ-6	✓					4	3				1								VOA 8260B, Lead 6010
5/9/11	PM 1230	PZ-7	✓					4	3				1								VOA 8260B, Lead 6010
5/9/11	PM 1315	MW4S * (see note)	✓					12	9				3								VOA 8260B, Lead 6010
5/9/11	PM 1330	Sump	✓					4	3				1								VOA 8260B, Lead 6010
5/9/11	PM	Trip Blank	✓					2	2												VOA 8260B
		~~Field Blank~~						~~3~~	~~3~~												~~VOA 8260B~~

RELINQUISHED BY: (SIGNATURE)	COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
William Young	W.Young & Assoc.	5/9/11	14:40				
SAMPLED BY: (SIGNATURE) William Young	COMPANY	DATE 5/9/11	TIME 1330	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME

* Extra sample for MS/MSD; Category B Report; EDD

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES NO	Cooler Temp.:	LABORATORY REMARKS: ICE (Y) N) pH____ CL2____ Reveiwed by____
Kristen [illegible]	5/9/11	1440		10.8	