1317 South 13th Avenue Kelso, Washington 98626 (360) 577-7222 (360) 636-1068 fax

Columbia Analytical Services INC.
An Employee - Owned Company

April 11, 2008 Analytical Report for Service Request No: K0802637

Richard Johnson
Environmental Chemistry Consulting Services, Inc.
2525 Advance Rd.
Madison, WI 53718

RE: Kuhlman Electric

Dear Richard:

Enclosed are the results of the samples submitted to our laboratory on March 27, 2008. For your reference, these analyses have been assigned our service request number K0802637.

All analyses were performed according to our laboratory's quality assurance program. Where applicable, the methods cited conform to the Methods Update Rule (effective 4/11/2007), which relates to the use of analytical methods for the drinking water and waste water programs. The test results meet requirements of the NELAC standards. Exceptions are noted in the case narrative report where applicable. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3376. You may also contact me via Email at GSalata@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Gregory Salata, Ph.D.
Project Chemist

GS/lb

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

Program	Number
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Colorado DPHE	-
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DHS	WA200001
South Carolina DHEC	61002
Utah DOH	COLU
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-

Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Environmental Chemistry Consulting Services, Inc.	**Service Request No.:**	K0802637
Project:	Kuhlman Electric	**Date Received:**	03/27/08
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Four water samples were received for analysis at Columbia Analytical Services on 03/27/08. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Volatile Organic Compounds by EPA Method 8260B

Initial Calibration (ICAL) Exceptions:
The primary evaluation criterion was exceeded for Methylene Chloride and Bromoform in ICAL ID 7189. In accordance with CAS standard operating procedures, the alternative evaluation specified in the EPA method was performed using the mean Relative Standard Deviation (RSD) of all analytes in the calibration. The result of the mean RSD calculation was 9.1%. The calibration meets the alternative evaluation criteria. Note that CAS/Kelso policy does not allow the use of averaging if any analyte in the ICAL exceeds 30% RSD.

Elevated Method Reporting Limits:
Samples KEP-GW-011A-003 and Duplicate 1 required dilution due to the presence of elevated levels of target analyte. The reporting limits are adjusted to reflect the dilution.

No other anomalies associated with the analysis of these samples were observed.

1,4-Dioxane by EPA Method 8270C

Sample Notes and Discussion
Insufficient sample volume was received to perform a Matrix Spike/Matrix Spike Duplicate (MS/MSD). A Laboratory Control Sample/Duplicate Laboratory Control Sample (LCS/DLCS) was analyzed and reported in lieu of the MS/MSD for these samples.

No other anomalies associated with the analysis of these samples were observed.

Approved by _____ **Date** 4/14/08

Chain of Custody Documentation

Columbia Analytical Services, Inc.
An Employee - Owned Company

CHAIN OF CUSTODY

SR#: 160802637

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • (800) 695-7222x07 • FAX (360) 636-1068

PAGE 1 OF 1 COC #

PROJECT NAME: KUHLMAN ELECTRIC
PROJECT NUMBER:
PROJECT MANAGER: ROBERT MARTIN
COMPANY/ADDRESS: MARTIN + SLAGLE
CITY/STATE/ZIP: BLACK MOUNTAIN NC
E-MAIL ADDRESS:
PHONE #: FAX#:
SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625 ☐ 8270 ☐ 8270LL ☐	Volatile Organics 624 ☐ 8260 X 8021 ☐ BTEX ☐	Hydrocarbons (*see below) Gas ☐ Diesel ☐ Oil ☐	Fuel Fingerprint (FIQ) ☐ NW-HCID Screen ☐	Oil & Grease/TRPH 1664 HEM ☐ 1664 SGT ☐	PCB's Aroclors ☐ Congeners ☐	Pesticides/Herbicides 608 ☐ 8081A ☐ 8141A ☐ 8151A ☐	Chlorophenolics Tri ☐ Tetra ☐ - 8151M PCP ☐	PAHS 8310 ☐ SIM ☐	Metals, Total or Dissolved (See list below)	Cyanide ☐ Hex-Chrom ☐	pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle) NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	TOX 9020 ☐ AOX 1650 ☐ 506 ☐	1,4 Dioxane by 8270 SIM				REMARKS
KEP-GW-011A-003	3/24/08	1615		W	5		X													X				W2217
DUPLICATE 1	3/24/08	—		W	5		X													X				W2242
KEP-GW-010A-003	3/24/08	2015		W	4		X													X				W2214
TRIP BLANK	—	—		W	2																			

REPORT REQUIREMENTS

___ I. Routine Report: Method Blank, Surrogate, as required
X II. Report Dup., MS, MSD as required
___ III. Data Validation Report (includes all raw data)
___ IV. CLP Deliverable Report
___ V. EDD

INVOICE INFORMATION

P.O. #
Bill To: BORG WARNER

TURNAROUND REQUIREMENTS

___ 24 hr. ___ 48 hr.
___ 5 Day
X Standard (10-15 working days)
___ Provide FAX Results

Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER:_____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS:
Report limit for 1,4Dioxane 0.5µg/L
Target list for 8260B – Kuhlman list

MOBIL LAB #

RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Signature: Charles O. M. Peel	Date/Time: 3/26/08 1400	Signature:	Date/Time: 3/27/08 1000	Signature:	Date/Time:	Signature:	Date/Time:
Printed Name: Charles O. M. Peel	Firm: PEEL Consulting	Printed Name:	Firm: CAS	Printed Name:	Firm:	Printed Name:	Firm:

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Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form

PC ~~Key~~ 1

Client / Project: ECC Service Request *K08* 07637

Received: 3/27/08 Opened: 3/27/08 By: TBlack

1. Samples were received via? *US Mail* *Fed Ex* *UPS* *DHL* *GH* *GS* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N
4. Is shipper's air-bill filed? If not, record air-bill number: _____ NA Y N

5. **Temperature of cooler(s) upon receipt (°C):**	2.4			
Temperature Blank (°C):	0.9			
6. If applicable, list Chain of Custody Numbers:				

7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
8. Packing material used. *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Sleeves* *Other* _____
9. **Did all bottles arrive in good condition (unbroken)?** *Indicate in the table below.* NA Y N 1
10. Were all sample labels complete (i.e analysis, preservation, etc.)? Y N
11. Did all sample labels and tags agree with custody papers? *Indicate in the table below* Y N
12. **Were appropriate bottles/containers and volumes received for the tests indicated?** NA Y N
13. Were the pH-preserved bottles tested* received at the appropriate pH? *Indicate in the table below* NA Y N
14. Were VOA vials and 1631 Mercury bottles received without headspace? *Indicate in the table below.* NA Y N
15. **Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?** NA Y N
16. Was C12/Res negative? NA Y N

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC
TB1	trip blank		

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broken	pH	Reagent	Volume added	Reagent Lot Number	Initials
KEP-GW-011A-003	1	250ml			✓					TS

*Does not include all pH preserved sample aliquots received. *See sample receiving SOP (SMO-GEN).*

Additional Notes, Discrepancies, & Resolutions: _____

Volatile Organic Compounds
EPA Method 8260B

Organic Analysis:
Volatile Organic Compounds

Summary Package

Sample and QC Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Service Request: K0802637

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
KEP-GW-011A-003	K0802637-001	03/24/2008	03/27/2008
Duplicate 1	K0802637-002	03/24/2008	03/27/2008
KEP-GW-010A-003	K0802637-003	03/24/2008	03/27/2008

certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Holly Conrad
Name: Holly Conrad
Date: 04-09-08
Title: Scientist

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	03/24/2008
Sample Matrix:	Water	**Date Received:**	03/27/2008

Volatile Organic Compounds

Sample Name:	KEP-GW-011A-003	**Units:**	ug/L
Lab Code:	K0802637-001	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
Chloromethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Vinyl Chloride	ND	U	0.50	0.042	1	04/02/08	04/02/08	KWG0803087	
Bromomethane	ND	U	0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
Chloroethane	ND	U	0.50	0.23	1	04/02/08	04/02/08	KWG0803087	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Acetone	ND	U	20	4.1	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethene	**94**	D	2.5	0.61	5	04/03/08	04/03/08	KWG0803135	
Carbon Disulfide	ND	U	0.50	0.16	1	04/02/08	04/02/08	KWG0803087	
Methylene Chloride	ND	U	2.0	0.20	1	04/02/08	04/02/08	KWG0803087	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethane	**3.7**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
2-Butanone (MEK)	ND	U	20	2.3	1	04/02/08	04/02/08	KWG0803087	
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/02/08	04/02/08	KWG0803087	
cis-1,2-Dichloroethene	**0.23**	J	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Chloroform	**0.94**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromochloromethane	ND	U	0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
1,1,1-Trichloroethane (TCA)	**2.3**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloroethane (EDC)	**2.8**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Benzene	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Trichloroethene (TCE)	**0.61**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromodichloromethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Dibromomethane	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
2-Hexanone	ND	U	20	4.0	1	04/02/08	04/02/08	KWG0803087	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Toluene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/02/08	04/02/08	KWG0803087	
1,1,2-Trichloroethane	**8.8**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: 03/24/2008
Date Received: 03/27/2008

Volatile Organic Compounds

Sample Name: KEP-GW-011A-003
Lab Code: K0802637-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
Dibromochloromethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/02/08	04/02/08	KWG0803087	
Chlorobenzene	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Ethylbenzene	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
m,p-Xylenes	ND	U	0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
o-Xylene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Styrene	ND	U	0.50	0.095	1	04/02/08	04/02/08	KWG0803087	
Bromoform	ND	U	0.50	0.28	1	04/02/08	04/02/08	KWG0803087	
Isopropylbenzene	ND	U	2.0	0.11	1	04/02/08	04/02/08	KWG0803087	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/02/08	04/02/08	KWG0803087	
Bromobenzene	ND	U	2.0	0.18	1	04/02/08	04/02/08	KWG0803087	
n-Propylbenzene	ND	U	2.0	0.098	1	04/02/08	04/02/08	KWG0803087	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/02/08	04/02/08	KWG0803087	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
n-Butylbenzene	ND	U	2.0	0.23	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/02/08	04/02/08	KWG0803087	
Naphthalene	ND	U	2.0	0.29	1	04/02/08	04/02/08	KWG0803087	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	03/24/2008
Sample Matrix:	Water	**Date Received:**	03/27/2008

Volatile Organic Compounds

Sample Name:	KEP-GW-011A-003	**Units:**	ug/L
Lab Code:	K0802637-001	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	75-120	04/02/08	Acceptable
Toluene-d8	107	80-128	04/02/08	Acceptable
4-Bromofluorobenzene	100	75-117	04/02/08	Acceptable

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: 03/24/2008
Date Received: 03/27/2008

Volatile Organic Compounds

Sample Name: Duplicate 1
Lab Code: K0802637-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
Chloromethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Vinyl Chloride	ND	U	0.50	0.042	1	04/02/08	04/02/08	KWG0803087	
Bromomethane	ND	U	0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
Chloroethane	ND	U	0.50	0.23	1	04/02/08	04/02/08	KWG0803087	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Acetone	ND	U	20	4.1	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethene	**97**	D	2.5	0.61	5	04/03/08	04/03/08	KWG0803135	
Carbon Disulfide	ND	U	0.50	0.16	1	04/02/08	04/02/08	KWG0803087	
Methylene Chloride	ND	U	2.0	0.20	1	04/02/08	04/02/08	KWG0803087	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethane	**3.8**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
2-Butanone (MEK)	ND	U	20	2.3	1	04/02/08	04/02/08	KWG0803087	
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/02/08	04/02/08	KWG0803087	
cis-1,2-Dichloroethene	**0.23**	J	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Chloroform	**0.98**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromochloromethane	ND	U	0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
1,1,1-Trichloroethane (TCA)	**2.4**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloroethane (EDC)	**3.0**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Benzene	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Trichloroethene (TCE)	**0.62**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromodichloromethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Dibromomethane	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
2-Hexanone	ND	U	20	4.0	1	04/02/08	04/02/08	KWG0803087	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Toluene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/02/08	04/02/08	KWG0803087	
1,1,2-Trichloroethane	**9.1**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: 03/24/2008
Date Received: 03/27/2008

Volatile Organic Compounds

Sample Name: Duplicate 1
Lab Code: K0802637-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
Dibromochloromethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/02/08	04/02/08	KWG0803087	
Chlorobenzene	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Ethylbenzene	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
m,p-Xylenes	ND	U	0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
o-Xylene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Styrene	ND	U	0.50	0.095	1	04/02/08	04/02/08	KWG0803087	
Bromoform	ND	U	0.50	0.28	1	04/02/08	04/02/08	KWG0803087	
Isopropylbenzene	ND	U	2.0	0.11	1	04/02/08	04/02/08	KWG0803087	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/02/08	04/02/08	KWG0803087	
Bromobenzene	ND	U	2.0	0.18	1	04/02/08	04/02/08	KWG0803087	
n-Propylbenzene	ND	U	2.0	0.098	1	04/02/08	04/02/08	KWG0803087	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/02/08	04/02/08	KWG0803087	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
n-Butylbenzene	ND	U	2.0	0.23	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/02/08	04/02/08	KWG0803087	
Naphthalene	ND	U	2.0	0.29	1	04/02/08	04/02/08	KWG0803087	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	03/24/2008
Sample Matrix:	Water	**Date Received:**	03/27/2008

Volatile Organic Compounds

Sample Name:	Duplicate 1	**Units:**	ug/L
Lab Code:	K0802637-002	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	75-120	04/02/08	Acceptable
Toluene-d8	108	80-128	04/02/08	Acceptable
4-Bromofluorobenzene	99	75-117	04/02/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	03/24/2008
Sample Matrix:	Water	**Date Received:**	03/27/2008

Volatile Organic Compounds

Sample Name:	KEP-GW-010A-003	**Units:**	ug/L
Lab Code:	K0802637-003	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	**0.17**	J	0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
Chloromethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Vinyl Chloride	ND	U	0.50	0.042	1	04/02/08	04/02/08	KWG0803087	
Bromomethane	ND	U	0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
Chloroethane	ND	U	0.50	0.23	1	04/02/08	04/02/08	KWG0803087	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Acetone	**18**	J	20	4.1	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethene	**57**		0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
Carbon Disulfide	ND	U	0.50	0.16	1	04/02/08	04/02/08	KWG0803087	
Methylene Chloride	ND	U	2.0	0.20	1	04/02/08	04/02/08	KWG0803087	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethane	**1.7**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
2-Butanone (MEK)	ND	U	20	2.3	1	04/02/08	04/02/08	KWG0803087	
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/02/08	04/02/08	KWG0803087	
cis-1,2-Dichloroethene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Chloroform	**0.48**	J	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromochloromethane	ND	U	0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
1,1,1-Trichloroethane (TCA)	**1.1**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloroethane (EDC)	**0.93**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Benzene	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Trichloroethene (TCE)	**0.27**	J	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromodichloromethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Dibromomethane	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
2-Hexanone	ND	U	20	4.0	1	04/02/08	04/02/08	KWG0803087	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Toluene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/02/08	04/02/08	KWG0803087	
1,1,2-Trichloroethane	**2.3**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: 03/24/2008
Date Received: 03/27/2008

Volatile Organic Compounds

Sample Name: KEP-GW-010A-003
Lab Code: K0802637-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
Dibromochloromethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/02/08	04/02/08	KWG0803087	
Chlorobenzene	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Ethylbenzene	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
m,p-Xylenes	ND	U	0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
o-Xylene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Styrene	ND	U	0.50	0.095	1	04/02/08	04/02/08	KWG0803087	
Bromoform	ND	U	0.50	0.28	1	04/02/08	04/02/08	KWG0803087	
Isopropylbenzene	ND	U	2.0	0.11	1	04/02/08	04/02/08	KWG0803087	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/02/08	04/02/08	KWG0803087	
Bromobenzene	ND	U	2.0	0.18	1	04/02/08	04/02/08	KWG0803087	
n-Propylbenzene	ND	U	2.0	0.098	1	04/02/08	04/02/08	KWG0803087	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/02/08	04/02/08	KWG0803087	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
n-Butylbenzene	ND	U	2.0	0.23	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/02/08	04/02/08	KWG0803087	
Naphthalene	ND	U	2.0	0.29	1	04/02/08	04/02/08	KWG0803087	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	03/24/2008
Sample Matrix:	Water	**Date Received:**	03/27/2008

Volatile Organic Compounds

Sample Name:	KEP-GW-010A-003	**Units:**	ug/L
Lab Code:	K0802637-003	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	95	75-120	04/02/08	Acceptable
Toluene-d8	111	80-128	04/02/08	Acceptable
4-Bromofluorobenzene	101	75-117	04/02/08	Acceptable

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0803087-4

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
Chloromethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Vinyl Chloride	ND	U	0.50	0.042	1	04/02/08	04/02/08	KWG0803087	
Bromomethane	ND	U	0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
Chloroethane	ND	U	0.50	0.23	1	04/02/08	04/02/08	KWG0803087	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Acetone	ND	U	20	4.1	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethene	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
Carbon Disulfide	ND	U	0.50	0.16	1	04/02/08	04/02/08	KWG0803087	
Methylene Chloride	ND	U	2.0	0.20	1	04/02/08	04/02/08	KWG0803087	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
2-Butanone (MEK)	ND	U	20	2.3	1	04/02/08	04/02/08	KWG0803087	
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/02/08	04/02/08	KWG0803087	
cis-1,2-Dichloroethene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Chloroform	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromochloromethane	ND	U	0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloroethane (EDC)	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Benzene	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Trichloroethene (TCE)	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromodichloromethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Dibromomethane	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
2-Hexanone	ND	U	20	4.0	1	04/02/08	04/02/08	KWG0803087	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Toluene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/02/08	04/02/08	KWG0803087	
1,1,2-Trichloroethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0803087-4

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
Dibromochloromethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/02/08	04/02/08	KWG0803087	
Chlorobenzene	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Ethylbenzene	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
m,p-Xylenes	ND	U	0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
o-Xylene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Styrene	ND	U	0.50	0.095	1	04/02/08	04/02/08	KWG0803087	
Bromoform	ND	U	0.50	0.28	1	04/02/08	04/02/08	KWG0803087	
Isopropylbenzene	ND	U	2.0	0.11	1	04/02/08	04/02/08	KWG0803087	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/02/08	04/02/08	KWG0803087	
Bromobenzene	ND	U	2.0	0.18	1	04/02/08	04/02/08	KWG0803087	
n-Propylbenzene	ND	U	2.0	0.098	1	04/02/08	04/02/08	KWG0803087	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/02/08	04/02/08	KWG0803087	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
n-Butylbenzene	ND	U	2.0	0.23	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/02/08	04/02/08	KWG0803087	
Naphthalene	ND	U	2.0	0.29	1	04/02/08	04/02/08	KWG0803087	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG0803087-4	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	93	75-120	04/02/08	Acceptable
Toluene-d8	109	80-128	04/02/08	Acceptable
4-Bromofluorobenzene	99	75-117	04/02/08	Acceptable

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0803135-4

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	0.17	1	04/03/08	04/03/08	KWG0803135	
Chloromethane	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Vinyl Chloride	ND	U	0.50	0.042	1	04/03/08	04/03/08	KWG0803135	
Bromomethane	ND	U	0.50	0.22	1	04/03/08	04/03/08	KWG0803135	
Chloroethane	ND	U	0.50	0.23	1	04/03/08	04/03/08	KWG0803135	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Acetone	ND	U	20	4.1	1	04/03/08	04/03/08	KWG0803135	
1,1-Dichloroethene	ND	U	0.50	0.13	1	04/03/08	04/03/08	KWG0803135	
Carbon Disulfide	ND	U	0.50	0.16	1	04/03/08	04/03/08	KWG0803135	
Methylene Chloride	ND	U	2.0	0.20	1	04/03/08	04/03/08	KWG0803135	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/03/08	04/03/08	KWG0803135	
1,1-Dichloroethane	ND	U	0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
2-Butanone (MEK)	ND	U	20	2.3	1	04/03/08	04/03/08	KWG0803135	
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/03/08	04/03/08	KWG0803135	
cis-1,2-Dichloroethene	ND	U	0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
Chloroform	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Bromochloromethane	ND	U	0.50	0.17	1	04/03/08	04/03/08	KWG0803135	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/03/08	04/03/08	KWG0803135	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,2-Dichloroethane (EDC)	ND	U	0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
Benzene	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Trichloroethene (TCE)	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Bromodichloromethane	ND	U	0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
Dibromomethane	ND	U	0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
2-Hexanone	ND	U	20	4.0	1	04/03/08	04/03/08	KWG0803135	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
Toluene	ND	U	0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/03/08	04/03/08	KWG0803135	
1,1,2-Trichloroethane	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/03/08	04/03/08	KWG0803135	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/03/08	04/03/08	KWG0803135	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0803135-4

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	0.13	1	04/03/08	04/03/08	KWG0803135	
Dibromochloromethane	ND	U	0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/03/08	04/03/08	KWG0803135	
Chlorobenzene	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
Ethylbenzene	ND	U	0.50	0.13	1	04/03/08	04/03/08	KWG0803135	
m,p-Xylenes	ND	U	0.50	0.22	1	04/03/08	04/03/08	KWG0803135	
o-Xylene	ND	U	0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
Styrene	ND	U	0.50	0.095	1	04/03/08	04/03/08	KWG0803135	
Bromoform	ND	U	0.50	0.28	1	04/03/08	04/03/08	KWG0803135	
Isopropylbenzene	ND	U	2.0	0.11	1	04/03/08	04/03/08	KWG0803135	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/03/08	04/03/08	KWG0803135	
Bromobenzene	ND	U	2.0	0.18	1	04/03/08	04/03/08	KWG0803135	
n-Propylbenzene	ND	U	2.0	0.098	1	04/03/08	04/03/08	KWG0803135	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/03/08	04/03/08	KWG0803135	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/03/08	04/03/08	KWG0803135	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/03/08	04/03/08	KWG0803135	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
n-Butylbenzene	ND	U	2.0	0.23	1	04/03/08	04/03/08	KWG0803135	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/03/08	04/03/08	KWG0803135	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/03/08	04/03/08	KWG0803135	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/03/08	04/03/08	KWG0803135	
Naphthalene	ND	U	2.0	0.29	1	04/03/08	04/03/08	KWG0803135	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/03/08	04/03/08	KWG0803135	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/03/08	04/03/08	KWG0803135	

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG0803135-4	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	75-120	04/03/08	Acceptable
Toluene-d8	110	80-128	04/03/08	Acceptable
4-Bromofluorobenzene	101	75-117	04/03/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
KEP-GW-011A-003	K0802637-001	96	107	100
Duplicate 1	K0802637-002	96	108	99
KEP-GW-010A-003	K0802637-003	95	111	101
Method Blank	KWG0803087-4	93	109	99
Method Blank	KWG0803135-4	96	110	101
Batch QC	K0802870-003	98	110	99
Batch QCMS	KWG0803135-1	100	114	104
Batch QCDMS	KWG0803135-2	100	114	106
Lab Control Sample	KWG0803087-3	100	110	102
Duplicate Lab Control Sample	KWG0803087-5	97	113	104
Lab Control Sample	KWG0803135-3	101	110	105

Surrogate Recovery Control Limits (%)

Sur1 =	Dibromofluoromethane	75-120
Sur2 =	Toluene-d8	80-128
Sur3 =	4-Bromofluorobenzene	75-117

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/02/2008
Time Analyzed: 16:35

Internal Standard Area and RT Summary
Volatile Organic Compounds

File ID: J:\MS13\DATA\040208\0402F003.D
Instrument ID: MS13
Analysis Method: 8260B

Lab Code: KWG0803086-2
Analysis Lot: KWG0803086

		Fluorobenzene		Chlorobenzene-d5		1,4-Dichlorobenzene-d4	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Results ==>	637,814	6.14	271,180	12.05	251,161	15.08
	Upper Limit ==>	1,275,628	6.64	542,360	12.55	502,322	15.58
	Lower Limit ==>	318,907	5.64	135,590	11.55	125,581	14.58
	ICAL Result ==>	470,955	6.14	203,895	12.05	192,865	15.08
Associated Analyses							
Lab Control Sample	KWG0803087-3	657,218	6.14	274,394	12.05	249,568	15.08
Duplicate Lab Control Sample	KWG0803087-5	586,687	6.14	256,599	12.05	240,494	15.08
Method Blank	KWG0803087-4	562,279	6.14	238,880	12.05	219,580	15.08
KEP-GW-011A-003	K0802637-001	611,457	6.14	254,116	12.05	224,911	15.08
Duplicate 1	K0802637-002	598,774	6.14	250,757	12.05	225,107	15.08
KEP-GW-010A-003	K0802637-003	539,035	6.13	233,046	12.05	214,922	15.08

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Analyzed:**	04/03/2008
		Time Analyzed:	18:12

Internal Standard Area and RT Summary
Volatile Organic Compounds

File ID:	J:\MS13\DATA\040308\0403F003.D	**Lab Code:**	KWG0803131-2
Instrument ID:	MS13	**Analysis Lot:**	KWG0803131
Analysis Method:	8260B		

		Fluorobenzene		Chlorobenzene-d5		1,4-Dichlorobenzene-d4	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Results ==>	506,341	6.14	217,909	12.05	208,103	15.08
	Upper Limit ==>	1,012,682	6.64	435,818	12.55	416,206	15.58
	Lower Limit ==>	253,171	5.64	108,955	11.55	104,052	14.58
	ICAL Result ==>	470,955	6.14	203,895	12.05	192,865	15.08
Associated Analyses							
Lab Control Sample	KWG0803135-3	525,422	6.14	224,731	12.05	210,588	15.08
Batch QCMS	KWG0803135-1	478,071	6.14	214,382	12.05	206,729	15.08
Batch QCDMS	KWG0803135-2	479,094	6.14	210,298	12.05	205,442	15.08
Method Blank	KWG0803135-4	448,231	6.14	193,243	12.05	181,533	15.08
KEP-GW-011A-003DL	K0802637-001	446,862	6.13	195,466	12.05	181,232	15.08
Duplicate 1DL	K0802637-002	496,635	6.14	212,871	12.05	188,793	15.08
Batch QC	K0802870-003	424,444	6.14	186,318	12.05	171,639	15.08

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Extracted:**	04/03/2008
Sample Matrix:	Water	**Date Analyzed:**	04/03/2008

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name:	Batch QC	**Units:**	ug/L
Lab Code:	K0802870-003	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG0803135

		Batch QCMS KWG0803135-1 Matrix Spike			Batch QCDMS KWG0803135-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
1,1-Dichloroethene	ND	10.2	10.0	102	9.58	10.0	96	67-147	7	30
Benzene	ND	9.36	10.0	94	8.78	10.0	88	69-126	6	30
Trichloroethene (TCE)	ND	9.64	10.0	96	9.34	10.0	93	56-137	3	30
Toluene	ND	9.61	10.0	96	9.05	10.0	91	66-128	6	30
Chlorobenzene	ND	9.69	10.0	97	9.41	10.0	94	68-120	3	30
1,2-Dichlorobenzene	ND	9.89	10.0	99	9.60	10.0	96	67-116	3	30
Naphthalene	ND	10.5	10.0	105	10.5	10.0	105	61-137	0	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

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

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Extracted: 04/02/2008
Date Analyzed: 04/02/2008

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0803087

	Lab Control Sample KWG0803087-3 Lab Control Spike			Duplicate Lab Control Sample KWG0803087-5 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	5.12	10.0	51	5.38	10.0	54	21-156	5	30
Chloromethane	7.30	10.0	73	6.83	10.0	68	45-135	7	30
Vinyl Chloride	7.89	10.0	79	7.71	10.0	77	59-135	2	30
Bromomethane	9.72	10.0	97	8.87	10.0	89	24-144	9	30
Chloroethane	8.73	10.0	87	8.42	10.0	84	60-128	4	30
Trichlorofluoromethane	8.72	10.0	87	8.14	10.0	81	54-129	7	30
Acetone	41.9	50.0	84	41.4	50.0	83	53-129	1	30
1,1-Dichloroethene	10.4	10.0	104	9.54	10.0	95	70-136	8	30
Carbon Disulfide	19.6	20.0	98	18.3	20.0	91	64-129	7	30
Methylene Chloride	9.27	10.0	93	9.27	10.0	93	64-137	0	30
trans-1,2-Dichloroethene	9.64	10.0	96	9.09	10.0	91	70-121	6	30
1,1-Dichloroethane	9.69	10.0	97	9.18	10.0	92	72-122	5	30
2-Butanone (MEK)	46.2	50.0	92	44.1	50.0	88	56-137	5	30
2,2-Dichloropropane	9.90	10.0	99	9.41	10.0	94	48-133	5	30
cis-1,2-Dichloroethene	9.87	10.0	99	9.36	10.0	94	76-125	5	30
Chloroform	9.71	10.0	97	9.28	10.0	93	71-118	5	30
Bromochloromethane	9.97	10.0	100	9.61	10.0	96	72-123	4	30
1,1,1-Trichloroethane (TCA)	9.69	10.0	97	8.97	10.0	90	65-126	8	30
1,1-Dichloropropene	9.72	10.0	97	8.91	10.0	89	71-119	9	30
Carbon Tetrachloride	10.1	10.0	101	9.52	10.0	95	58-133	6	30
1,2-Dichloroethane (EDC)	9.20	10.0	92	8.83	10.0	88	69-125	4	30
Benzene	9.75	10.0	98	9.07	10.0	91	74-118	7	30
Trichloroethene (TCE)	9.84	10.0	98	9.00	10.0	90	71-122	9	30
1,2-Dichloropropane	10.1	10.0	101	9.37	10.0	94	73-123	7	30
Bromodichloromethane	10.1	10.0	101	9.56	10.0	96	72-127	6	30
Dibromomethane	9.89	10.0	99	9.44	10.0	94	71-124	5	30
2-Hexanone	50.8	50.0	102	46.9	50.0	94	44-135	8	30
cis-1,3-Dichloropropene	10.3	10.0	103	9.73	10.0	97	71-125	6	30
Toluene	9.33	10.0	93	9.19	10.0	92	74-117	2	30
trans-1,3-Dichloropropene	9.59	10.0	96	8.81	10.0	88	56-121	8	30
1,1,2-Trichloroethane	10.5	10.0	105	9.51	10.0	95	73-122	10	30
4-Methyl-2-pentanone (MIBK)	45.8	50.0	92	45.2	50.0	90	57-129	1	30
1,3-Dichloropropane	10.5	10.0	105	9.62	10.0	96	74-120	9	30
Tetrachloroethene (PCE)	10.1	10.0	101	9.21	10.0	92	65-121	9	30
Dibromochloromethane	10.6	10.0	106	9.76	10.0	98	67-124	9	30

Results flagged with an asterisk (*) indicate values outside control criteria.

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

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Extracted: 04/02/2008
Date Analyzed: 04/02/2008

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0803087

	Lab Control Sample KWG0803087-3 Lab Control Spike			Duplicate Lab Control Sample KWG0803087-5 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
1,2-Dibromoethane (EDB)	10.6	10.0	106	9.65	10.0	97	71-120	9	30
Chlorobenzene	9.82	10.0	98	9.30	10.0	93	74-115	5	30
1,1,1,2-Tetrachloroethane	10.3	10.0	103	9.40	10.0	94	71-118	9	30
Ethylbenzene	10.3	10.0	103	9.76	10.0	98	71-118	5	30
m,p-Xylenes	20.7	20.0	103	19.9	20.0	99	73-119	4	30
o-Xylene	10.2	10.0	102	9.69	10.0	97	74-120	5	30
Styrene	10.4	10.0	104	9.98	10.0	100	75-123	5	30
Bromoform	10.4	10.0	104	9.21	10.0	92	57-135	12	30
Isopropylbenzene	9.55	10.0	96	9.02	10.0	90	65-110	6	30
1,1,2,2-Tetrachloroethane	11.6	10.0	116	10.4	10.0	104	63-126	10	30
1,2,3-Trichloropropane	9.98	10.0	100	9.13	10.0	91	67-123	9	30
Bromobenzene	10.3	10.0	103	9.72	10.0	97	76-111	6	30
n-Propylbenzene	10.8	10.0	108	10.1	10.0	101	69-122	7	30
2-Chlorotoluene	10.7	10.0	107	9.92	10.0	99	72-120	7	30
4-Chlorotoluene	10.4	10.0	104	9.74	10.0	97	70-118	7	30
1,3,5-Trimethylbenzene	10.7	10.0	107	9.91	10.0	99	70-120	7	30
tert-Butylbenzene	10.7	10.0	107	9.94	10.0	99	72-118	7	30
1,2,4-Trimethylbenzene	11.1	10.0	111	10.3	10.0	103	72-121	8	30
sec-Butylbenzene	11.0	10.0	110	10.5	10.0	105	73-130	5	30
1,3-Dichlorobenzene	10.3	10.0	103	9.71	10.0	97	76-110	6	30
4-Isopropyltoluene	10.5	10.0	105	9.87	10.0	99	67-115	6	30
1,4-Dichlorobenzene	9.87	10.0	99	9.34	10.0	93	74-112	6	30
n-Butylbenzene	11.5	10.0	115	10.9	10.0	109	62-123	5	30
1,2-Dichlorobenzene	10.0	10.0	100	9.51	10.0	95	75-110	5	30
1,2-Dibromo-3-chloropropane	12.4	10.0	124	11.1	10.0	111	49-124	11	30
1,2,4-Trichlorobenzene	10.1	10.0	101	9.43	10.0	94	66-115	7	30
1,2,3-Trichlorobenzene	10.5	10.0	105	9.84	10.0	98	64-120	7	30
Naphthalene	11.8	10.0	118	10.8	10.0	108	58-132	9	30
Hexachlorobutadiene	9.95	10.0	100	9.43	10.0	94	61-124	5	30
1,3,5-Trichlorobenzene	40.7	40.0	102	39.0	40.0	98	46-133	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

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

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Extracted: 04/03/2008
Date Analyzed: 04/03/2008

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0803135

	Lab Control Sample KWG0803135-3 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Dichlorodifluoromethane	10.9	10.0	109	21-156
Chloromethane	8.95	10.0	90	45-135
Vinyl Chloride	8.64	10.0	86	59-135
Bromomethane	9.40	10.0	94	24-144
Chloroethane	8.56	10.0	86	60-128
Trichlorofluoromethane	9.40	10.0	94	54-129
Acetone	43.7	50.0	87	53-129
1,1-Dichloroethene	9.90	10.0	99	70-136
Carbon Disulfide	17.8	20.0	89	64-129
Methylene Chloride	9.10	10.0	91	64-137
trans-1,2-Dichloroethene	9.34	10.0	93	70-121
1,1-Dichloroethane	9.39	10.0	94	72-122
2-Butanone (MEK)	48.7	50.0	97	56-137
2,2-Dichloropropane	9.67	10.0	97	48-133
cis-1,2-Dichloroethene	9.74	10.0	97	76-125
Chloroform	9.96	10.0	100	71-118
Bromochloromethane	10.3	10.0	103	72-123
1,1,1-Trichloroethane (TCA)	9.62	10.0	96	65-126
1,1-Dichloropropene	9.06	10.0	91	71-119
Carbon Tetrachloride	10.4	10.0	104	58-133
1,2-Dichloroethane (EDC)	10.1	10.0	101	69-125
Benzene	9.22	10.0	92	74-118
Trichloroethene (TCE)	9.57	10.0	96	71-122
1,2-Dichloropropane	9.68	10.0	97	73-123
Bromodichloromethane	10.4	10.0	104	72-127
Dibromomethane	10.3	10.0	103	71-124
2-Hexanone	50.4	50.0	101	44-135
cis-1,3-Dichloropropene	9.99	10.0	100	71-125
Toluene	9.03	10.0	90	74-117
trans-1,3-Dichloropropene	9.63	10.0	96	56-121
1,1,2-Trichloroethane	10.5	10.0	105	73-122
4-Methyl-2-pentanone (MIBK)	44.6	50.0	89	57-129
1,3-Dichloropropane	10.4	10.0	104	74-120
Tetrachloroethene (PCE)	9.76	10.0	98	65-121
Dibromochloromethane	11.2	10.0	112	67-124

Results flagged with an asterisk (*) indicate values outside control criteria.

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

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Extracted: 04/03/2008
Date Analyzed: 04/03/2008

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0803135

Analyte Name	Lab Control Sample KWG0803135-3 Lab Control Spike Result	Expected	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	10.4	10.0	104	71-120
Chlorobenzene	9.56	10.0	96	74-115
1,1,1,2-Tetrachloroethane	10.4	10.0	104	71-118
Ethylbenzene	9.76	10.0	98	71-118
m,p-Xylenes	19.9	20.0	99	73-119
o-Xylene	9.92	10.0	99	74-120
Styrene	10.1	10.0	101	75-123
Bromoform	10.5	10.0	105	57-135
Isopropylbenzene	9.19	10.0	92	65-110
1,1,2,2-Tetrachloroethane	11.1	10.0	111	63-126
1,2,3-Trichloropropane	11.1	10.0	111	67-123
Bromobenzene	10.0	10.0	100	76-111
n-Propylbenzene	10.2	10.0	102	69-122
2-Chlorotoluene	10.2	10.0	102	72-120
4-Chlorotoluene	10.2	10.0	102	70-118
1,3,5-Trimethylbenzene	10.3	10.0	103	70-120
tert-Butylbenzene	10.2	10.0	102	72-118
1,2,4-Trimethylbenzene	10.8	10.0	108	72-121
sec-Butylbenzene	10.5	10.0	105	73-130
1,3-Dichlorobenzene	10.1	10.0	101	76-110
4-Isopropyltoluene	10.0	10.0	100	67-115
1,4-Dichlorobenzene	9.82	10.0	98	74-112
n-Butylbenzene	10.9	10.0	109	62-123
1,2-Dichlorobenzene	10.2	10.0	102	75-110
1,2-Dibromo-3-chloropropane	11.0	10.0	110	49-124
1,2,4-Trichlorobenzene	10.3	10.0	103	66-115
1,2,3-Trichlorobenzene	10.4	10.0	104	64-120
Naphthalene	11.4	10.0	114	58-132
Hexachlorobutadiene	10.2	10.0	102	61-124
1,3,5-Trichlorobenzene	41.2	40.0	103	46-133

Results flagged with an asterisk (*) indicate values outside control criteria.

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

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Extracted:**	04/02/2008
Sample Matrix:	Water	**Date Analyzed:**	04/02/2008
		Time Analyzed:	19:58

Method Blank Summary
Volatile Organic Compounds

Sample Name:	Method Blank	**File ID:**	J:\MS13\DATA\040208\0402F010.D
Lab Code:	KWG0803087-4	**Instrument ID:**	MS13
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG0803087

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0803087-3	J:\MS13\DATA\040208\0402F004.D	04/02/08	17:12
Duplicate Lab Control Sample	KWG0803087-5	J:\MS13\DATA\040208\0402F005.D	04/02/08	17:39
KEP-GW-011A-003	K0802637-001	J:\MS13\DATA\040208\0402F013.D	04/02/08	21:20
Duplicate 1	K0802637-002	J:\MS13\DATA\040208\0402F014.D	04/02/08	21:48
KEP-GW-010A-003	K0802637-003	J:\MS13\DATA\040208\0402F015.D	04/02/08	22:15

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Extracted:**	04/03/2008
Sample Matrix:	Water	**Date Analyzed:**	04/03/2008
		Time Analyzed:	20:39

Method Blank Summary
Volatile Organic Compounds

Sample Name:	Method Blank	**File ID:**	J:\MS13\DATA\040308\0403F008.D
Lab Code:	KWG0803135-4	**Instrument ID:**	MS13
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG0803135

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0803135-3	J:\MS13\DATA\040308\0403F004.D	04/03/08	18:48
Batch QCMS	KWG0803135-1	J:\MS13\DATA\040308\0403F005.D	04/03/08	19:16
Batch QCDMS	KWG0803135-2	J:\MS13\DATA\040308\0403F006.D	04/03/08	19:44
KEP-GW-011A-003	K0802637-001	J:\MS13\DATA\040308\0403F011.D	04/03/08	22:02
Duplicate 1	K0802637-002	J:\MS13\DATA\040308\0403F012.D	04/03/08	22:29
Batch QC	K0802870-003	J:\MS13\DATA\040308\0403F019.D	04/04/08	01:42

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637

Lab Control Sample/Duplicate Lab Control Sample Summary
Volatile Organic Compounds

Sample Name:	Lab Control Sample	**Sample Name:**	Duplicate Lab Control Sample
Lab Code:	KWG0803087-3	**Lab Code:**	KWG0803087-5
File ID:	J:\MS13\DATA\040208\0402F004.D	**File ID:**	J:\MS13\DATA\040208\0402F005.D
Instrument ID:	MS13	**Instrument ID:**	MS13
Date Extracted:	04/02/2008	**Date Extracted:**	04/02/2008
Date Analyzed:	04/02/2008	**Date Analyzed:**	04/02/2008
Time Analyzed:	17:12	**Time Analyzed:**	17:39

Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG0803087

These Lab Control Samples apply to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG0803087-4	J:\MS13\DATA\040208\0402F010.D	04/02/08	19:58
KEP-GW-011A-003	K0802637-001	J:\MS13\DATA\040208\0402F013.D	04/02/08	21:20
Duplicate 1	K0802637-002	J:\MS13\DATA\040208\0402F014.D	04/02/08	21:48
KEP-GW-010A-003	K0802637-003	J:\MS13\DATA\040208\0402F015.D	04/02/08	22:15

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Extracted:**	04/03/2008
Sample Matrix:	Water	**Date Analyzed:**	04/03/2008
		Time Analyzed:	18:48

Lab Control Sample Summary
Volatile Organic Compounds

Sample Name:	Lab Control Sample	**File ID:**	J:\MS13\DATA\040308\0403F004.D
Lab Code:	KWG0803135-3	**Instrument ID:**	MS13
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG0803135

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Batch QCMS	KWG0803135-1	J:\MS13\DATA\040308\0403F005.D	04/03/08	19:16
Batch QCDMS	KWG0803135-2	J:\MS13\DATA\040308\0403F006.D	04/03/08	19:44
Method Blank	KWG0803135-4	J:\MS13\DATA\040308\0403F008.D	04/03/08	20:39
KEP-GW-011A-003	K0802637-001	J:\MS13\DATA\040308\0403F011.D	04/03/08	22:02
Duplicate 1	K0802637-002	J:\MS13\DATA\040308\0403F012.D	04/03/08	22:29
Batch QC	K0802870-003	J:\MS13\DATA\040308\0403F019.D	04/04/08	01:42

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/02/2008
Time Analyzed: 15:59

Tune Summary
Volatile Organic Compounds

File ID: J:\MS13\DATA\040208\0402F002.D
Instrument ID: MS13
Column:

Analysis Method: 8260B
Analysis Lot: KWG0803086

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	17.9	12760	PASS
75	95	30	60	47.1	33506	PASS
95	95	100	100	100.0	71133	PASS
96	95	5	9	6.9	4897	PASS
173	174	0	2	0.2	107	PASS
174	95	50	120	77.0	54800	PASS
175	174	5	9	7.2	3928	PASS
176	174	95	101	95.7	52432	PASS
177	176	5	9	6.2	3234	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG0803086-2	J:\MS13\DATA\040208\0402F003.D	04/02/2008	16:35	
Lab Control Sample	KWG0803087-3	J:\MS13\DATA\040208\0402F004.D	04/02/2008	17:12	
Duplicate Lab Control Sample	KWG0803087-5	J:\MS13\DATA\040208\0402F005.D	04/02/2008	17:39	
Method Blank	KWG0803087-4	J:\MS13\DATA\040208\0402F010.D	04/02/2008	19:58	
KEP-GW-011A-003	K0802637-001	J:\MS13\DATA\040208\0402F013.D	04/02/2008	21:20	
Duplicate 1	K0802637-002	J:\MS13\DATA\040208\0402F014.D	04/02/2008	21:48	
KEP-GW-010A-003	K0802637-003	J:\MS13\DATA\040208\0402F015.D	04/02/2008	22:15	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/03/2008
Time Analyzed: 17:34

Tune Summary
Volatile Organic Compounds

File ID: J:\MS13\DATA\040308\0403F002.D
Instrument ID: MS13
Column:

Analysis Method: 8260B
Analysis Lot: KWG0803131

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	18.6	9181	PASS
75	95	30	60	50.3	24784	PASS
95	95	100	100	100.0	49312	PASS
96	95	5	9	6.7	3306	PASS
173	174	0	2	0.4	156	PASS
174	95	50	120	81.4	40149	PASS
175	174	5	9	6.7	2686	PASS
176	174	95	101	96.1	38602	PASS
177	176	5	9	6.7	2568	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG0803131-2	J:\MS13\DATA\040308\0403F003.D	04/03/2008	18:12	
Lab Control Sample	KWG0803135-3	J:\MS13\DATA\040308\0403F004.D	04/03/2008	18:48	
Batch QCMS	KWG0803135-1	J:\MS13\DATA\040308\0403F005.D	04/03/2008	19:16	
Batch QCDMS	KWG0803135-2	J:\MS13\DATA\040308\0403F006.D	04/03/2008	19:44	
Method Blank	KWG0803135-4	J:\MS13\DATA\040308\0403F008.D	04/03/2008	20:39	
KEP-GW-011A-003	K0802637-001	J:\MS13\DATA\040308\0403F011.D	04/03/2008	22:02	
Duplicate 1	K0802637-002	J:\MS13\DATA\040308\0403F012.D	04/03/2008	22:29	
Batch QC	K0802870-003	J:\MS13\DATA\040308\0403F019.D	04/04/2008	01:42	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS13\DATA\032108\0321F013.D	G	J:\MS13\DATA\032108\0321F019.D
B	J:\MS13\DATA\032108\0321F014.D	H	J:\MS13\DATA\032108\0321F020.D
C	J:\MS13\DATA\032108\0321F015.D	I	J:\MS13\DATA\032108\0321F021.D
D	J:\MS13\DATA\032108\0321F016.D	J	J:\MS13\DATA\032108\0321F022.D
E	J:\MS13\DATA\032108\0321F017.D	K	J:\MS13\DATA\032108\0321F023.D
F	J:\MS13\DATA\032108\0321F018.D		

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Dichlorodifluoromethane	A	0.10	0.301	B	0.20	0.201	C	0.30	0.290	D	0.50	0.246	E	1.3	0.222
	F	2.0	0.240	G	5.0	0.212	H	10	0.234	I	20	0.252	J	40	0.234
	K	80	0.272												
† Chloromethane				B	0.20	0.299	C	0.30	0.363	D	0.50	0.332	E	1.3	0.293
	F	2.0	0.290	G	5.0	0.272	H	10	0.287	I	20	0.301	J	40	0.280
	K	80	0.299												
‡ Vinyl Chloride	A	0.10	0.336	B	0.20	0.268	C	0.30	0.346	D	0.50	0.304	E	1.3	0.277
	F	2.0	0.281	G	5.0	0.266	H	10	0.281	I	20	0.305	J	40	0.287
	K	80	0.328												
Bromomethane				B	0.20	0.185	C	0.30	0.180	D	0.50	0.149	E	1.3	0.159
	F	2.0	0.161	G	5.0	0.167	H	10	0.172	I	20	0.185	J	40	0.176
	K	80	0.196												
Chloroethane				B	0.20	0.182	C	0.30	0.220	D	0.50	0.190	E	1.3	0.190
	F	2.0	0.186	G	5.0	0.174	H	10	0.182	I	20	0.193	J	40	0.181
	K	80	0.202												
Trichlorofluoromethane	A	0.10	0.433	B	0.20	0.313	C	0.30	0.432	D	0.50	0.367	E	1.3	0.356
	F	2.0	0.374	G	5.0	0.345	H	10	0.372	I	20	0.414	J	40	0.389
	K	80	0.457												
Acetone	A	2.0	0.0380	B	4.0	0.0379	C	6.0	0.0354	D	10	0.0358	E	25	0.0336
	F	40	0.0330	G	100	0.0303	H	200	0.0324	I	400	0.0346	J	800	0.0344
	K	1600	0.0360												
1,1-Dichloroethene	A	0.10	0.207	B	0.20	0.176	C	0.30	0.237	D	0.50	0.188	E	1.3	0.185
	F	2.0	0.192	G	5.0	0.170	H	10	0.186	I	20	0.207	J	40	0.195
	K	80	0.223												
Carbon Disulfide	A	0.10	0.818	B	0.20	0.600	C	0.30	0.765	D	0.50	0.674	E	1.3	0.652
	F	2.0	0.658	G	5.0	0.628	H	10	0.686	I	20	0.764	J	40	0.737
	K	80	0.867												

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† **SPCC Compound**

‡ **CCC Compound**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Methylene Chloride										D	0.50	0.373	E	1.3	0.297
	F	2.0	0.283	G	5.0	0.286	H	10	0.254	I	20	0.254	J	40	0.240
	K	80	0.250												
trans-1,2-Dichloroethene				B	0.20	0.217	C	0.30	0.276	D	0.50	0.241	E	1.3	0.222
	F	2.0	0.232	G	5.0	0.226	H	10	0.233	I	20	0.245	J	40	0.237
	K	80	0.265												
† 1,1-Dichloroethane	A	0.10	0.422	B	0.20	0.434	C	0.30	0.517	D	0.50	0.426	E	1.3	0.424
	F	2.0	0.424	G	5.0	0.428	H	10	0.430	I	20	0.461	J	40	0.442
	K	80	0.480												
2-Butanone (MEK)				B	4.0	0.0122	C	6.0	0.0129	D	10	0.0114	E	25	0.0133
	F	40	0.0128	G	100	0.0120	H	200	0.0130	I	400	0.0139	J	800	0.0139
	K	1600	0.0151												
2,2-Dichloropropane	A	0.10	0.353	B	0.20	0.286	C	0.30	0.337	D	0.50	0.287	E	1.3	0.314
	F	2.0	0.311	G	5.0	0.304	H	10	0.323	I	20	0.364	J	40	0.352
	K	80	0.423												
cis-1,2-Dichloroethene				B	0.20	0.254	C	0.30	0.279	D	0.50	0.253	E	1.3	0.275
	F	2.0	0.258	G	5.0	0.258	H	10	0.266	I	20	0.276	J	40	0.264
	K	80	0.285												
Chloroform	A	0.10	0.451	B	0.20	0.357	C	0.30	0.468	D	0.50	0.421	E	1.3	0.424
	F	2.0	0.421	G	5.0	0.422	H	10	0.423	I	20	0.446	J	40	0.429
	K	80	0.461												
Bromochloromethane				B	0.20	0.0938	C	0.30	0.109	D	0.50	0.118	E	1.3	0.113
	F	2.0	0.111	G	5.0	0.118	H	10	0.116	I	20	0.117	J	40	0.113
	K	80	0.115												
1,1,1-Trichloroethane (TCA)	A	0.10	0.406	B	0.20	0.266	C	0.30	0.385	D	0.50	0.305	E	1.3	0.315
	F	2.0	0.327	G	5.0	0.311	H	10	0.338	I	20	0.378	J	40	0.365
	K	80	0.438												
1,1-Dichloropropene	A	0.10	0.409	B	0.20	0.266	C	0.30	0.373	D	0.50	0.329	E	1.3	0.309
	F	2.0	0.327	G	5.0	0.301	H	10	0.323	I	20	0.357	J	40	0.338
	K	80	0.398												
Carbon Tetrachloride				B	0.20	0.180	C	0.30	0.258	D	0.50	0.219	E	1.3	0.234
	F	2.0	0.239	G	5.0	0.224	H	10	0.250	I	20	0.288	J	40	0.285

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Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
1,2-Dichloroethane (EDC)	A	0.10	0.338	B	0.20	0.321	C	0.30	0.298	D	0.50	0.331	E	1.3	0.299
	F	2.0	0.306	G	5.0	0.320	H	10	0.313	I	20	0.319	J	40	0.306
	K	80	0.320												
Benzene	A	0.10	1.16	B	0.20	0.990	C	0.30	1.11	D	0.50	1.03	E	1.3	1.02
	F	2.0	1.01	G	5.0	0.983	H	10	1.01	I	20	1.08	J	40	1.02
	K	80	1.12												
Trichloroethene (TCE)	A	0.10	0.223	B	0.20	0.243	C	0.30	0.273	D	0.50	0.229	E	1.3	0.250
	F	2.0	0.238	G	5.0	0.229	H	10	0.244	I	20	0.260	J	40	0.249
	K	80	0.281												
‡ 1,2-Dichloropropane	A	0.10	0.205	B	0.20	0.250	C	0.30	0.209	D	0.50	0.241	E	1.3	0.227
	F	2.0	0.230	G	5.0	0.241	H	10	0.239	I	20	0.250	J	40	0.240
	K	80	0.258												
Bromodichloromethane				B	0.20	0.234	C	0.30	0.253	D	0.50	0.253	E	1.3	0.241
	F	2.0	0.237	G	5.0	0.260	H	10	0.263	I	20	0.281	J	40	0.284
	K	80	0.313												
Dibromomethane							C	0.30	0.102	D	0.50	0.115	E	1.3	0.104
	F	2.0	0.107	G	5.0	0.114	H	10	0.116	I	20	0.118	J	40	0.114
	K	80	0.118												
2-Hexanone				B	4.0	0.0250	C	6.0	0.0268	D	10	0.0275	E	25	0.0312
	F	40	0.0311	G	100	0.0305	H	200	0.0339	I	400	0.0374	J	800	0.0384
cis-1,3-Dichloropropene				B	0.20	0.255	C	0.30	0.298	D	0.50	0.280	E	1.3	0.287
	F	2.0	0.289	G	5.0	0.326	H	10	0.343	I	20	0.361	J	40	0.362
	K	80	0.391												
Toluene	A	0.10	0.869	B	0.20	0.654	C	0.30	0.756	D	0.50	0.716	E	1.3	0.646
	F	2.0	0.676	G	5.0	0.658	H	10	0.688	I	20	0.726	J	40	0.683
	K	80	0.742												
trans-1,3-Dichloropropene				B	0.20	0.568	C	0.30	0.486	D	0.50	0.528	E	1.3	0.523
	F	2.0	0.533	G	5.0	0.597	H	10	0.639	I	20	0.669	J	40	0.701
	K	80	0.759												
1,1,2-Trichloroethane				B	0.20	0.293	C	0.30	0.327	D	0.50	0.334	E	1.3	0.317
	F	2.0	0.318	G	5.0	0.316	H	10	0.332	I	20	0.328	J	40	0.326
	K	80	0.336												

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Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
4-Methyl-2-pentanone (MIBK)				B	4.0	0.0451	C	6.0	0.0453	D	10	0.0454	E	25	0.0435
	F	40	0.0438	G	100	0.0404	H	200	0.0441	I	400	0.0483	J	800	0.0480
	K	1600	0.0503												
1,3-Dichloropropane	A	0.10	0.704	B	0.20	0.652	C	0.30	0.689	D	0.50	0.692	E	1.3	0.669
	F	2.0	0.661	G	5.0	0.714	H	10	0.723	I	20	0.719	J	40	0.714
	K	80	0.737												
Tetrachloroethene (PCE)	A	0.10	0.514	B	0.20	0.390	C	0.30	0.512	D	0.50	0.465	E	1.3	0.462
	F	2.0	0.480	G	5.0	0.446	H	10	0.475	I	20	0.511	J	40	0.492
	K	80	0.558												
Dibromochloromethane				B	0.20	0.293	C	0.30	0.272	D	0.50	0.288	E	1.3	0.288
	F	2.0	0.283	G	5.0	0.324	H	10	0.350	I	20	0.372	J	40	0.400
1,2-Dibromoethane (EDB)				B	0.20	0.352	C	0.30	0.296	D	0.50	0.334	E	1.3	0.321
	F	2.0	0.328	G	5.0	0.358	H	10	0.363	I	20	0.368	J	40	0.372
	K	80	0.383												
Chlorobenzene	A	0.10	1.94	B	0.20	1.93	C	0.30	1.89	D	0.50	1.82	E	1.3	1.72
	F	2.0	1.71	G	5.0	1.74	H	10	1.79	I	20	1.79	J	40	1.76
	K	80	1.86												
1,1,1,2-Tetrachloroethane	A	0.10	0.323	B	0.20	0.468	C	0.30	0.432	D	0.50	0.410	E	1.3	0.392
	F	2.0	0.410	G	5.0	0.425	H	10	0.462	I	20	0.483	J	40	0.506
	K	80	0.549												
Ethylbenzene	A	0.10	0.891	B	0.20	0.829	C	0.30	0.976	D	0.50	0.860	E	1.3	0.859
	F	2.0	0.883	G	5.0	0.870	H	10	0.933	I	20	0.986	J	40	0.965
	K	80	1.05												
m,p-Xylenes	A	0.20	1.19	B	0.40	0.985	C	0.60	1.14	D	1.0	1.10	E	2.5	1.05
	F	4.0	1.09	G	10	1.10	H	20	1.18	I	40	1.22	J	80	1.19
	K	160	1.31												
o-Xylene	A	0.10	1.24	B	0.20	1.03	C	0.30	1.14	D	0.50	1.05	E	1.3	1.03
	F	2.0	1.04	G	5.0	1.06	H	10	1.14	I	20	1.17	J	40	1.14
	K	80	1.23												
Styrene	A	0.10	0.845	B	0.20	0.731	C	0.30	0.795	D	0.50	0.778	E	1.3	0.727
	F	2.0	0.790	G	5.0	0.833	H	10	0.936	I	20	0.961	J	40	0.934
	K	80	0.986												

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Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
† Bromoform										D	0.50	0.115	E	1.3	0.122
	F	2.0	0.130	G	5.0	0.146	H	10	0.162	I	20	0.176	J	40	0.196
	K	80	0.220												
Isopropylbenzene	A	0.10	2.83	B	0.20	2.33	C	0.30	2.80	D	0.50	2.60	E	1.3	2.48
	F	2.0	2.62	G	5.0	2.60	H	10	2.84	I	20	3.02	J	40	2.96
	K	80	3.29												
† 1,1,2,2-Tetrachloroethane				B	0.20	0.320	C	0.30	0.339	D	0.50	0.336	E	1.3	0.343
	F	2.0	0.352	G	5.0	0.378	H	10	0.396	I	20	0.399	J	40	0.392
	K	80	0.404												
1,2,3-Trichloropropane							C	0.30	0.144	D	0.50	0.155	E	1.3	0.132
	F	2.0	0.132	G	5.0	0.132	H	10	0.132	I	20	0.132	J	40	0.129
	K	80	0.130												
Bromobenzene	A	0.10	0.646	B	0.20	0.724	C	0.30	0.724	D	0.50	0.735	E	1.3	0.708
	F	2.0	0.744	G	5.0	0.755	H	10	0.760	I	20	0.768	J	40	0.746
	K	80	0.775												
n-Propylbenzene	A	0.10	3.65	B	0.20	2.92	C	0.30	3.59	D	0.50	3.13	E	1.3	3.12
	F	2.0	3.30	G	5.0	3.24	H	10	3.54	I	20	3.79	J	40	3.67
	K	80	4.14												
2-Chlorotoluene	A	0.10	2.59	B	0.20	2.14	C	0.30	2.39	D	0.50	2.18	E	1.3	2.17
	F	2.0	2.19	G	5.0	2.19	H	10	2.28	I	20	2.35	J	40	2.27
	K	80	2.46												
4-Chlorotoluene	A	0.10	2.79	B	0.20	2.35	C	0.30	2.62	D	0.50	2.50	E	1.3	2.38
	F	2.0	2.45	G	5.0	2.49	H	10	2.63	I	20	2.70	J	40	2.62
	K	80	2.82												
1,3,5-Trimethylbenzene	A	0.10	2.46	B	0.20	2.01	C	0.30	2.38	D	0.50	2.11	E	1.3	2.17
	F	2.0	2.24	G	5.0	2.32	H	10	2.55	I	20	2.70	J	40	2.64
	K	80	2.94												
tert-Butylbenzene	A	0.10	2.50	B	0.20	1.67	C	0.30	2.22	D	0.50	1.90	E	1.3	1.91
	F	2.0	1.99	G	5.0	1.97	H	10	2.15	I	20	2.28	J	40	2.21
	K	80	2.52												
1,2,4-Trimethylbenzene	A	0.10	2.06	B	0.20	2.05	C	0.30	2.30	D	0.50	2.05	E	1.3	2.14
	F	2.0	2.19	G	5.0	2.32	H	10	2.50	I	20	2.63	J	40	2.61
	K	80	2.87												

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Client: Environmental Chemistry Consulting Servi
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Service Request: K0802637
Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
sec-Butylbenzene				B	0.20	2.32	C	0.30	2.81	D	0.50	2.53	E	1.3	2.61
	F	2.0	2.70	G	5.0	2.63	H	10	2.93	I	20	3.15	J	40	3.10
	K	80	3.55												
1,3-Dichlorobenzene	A	0.10	1.55	B	0.20	1.44	C	0.30	1.53	D	0.50	1.41	E	1.3	1.42
	F	2.0	1.45	G	5.0	1.43	H	10	1.50	I	20	1.50	J	40	1.46
	K	80	1.55												
4-Isopropyltoluene							C	0.30	2.25	D	0.50	2.08	E	1.3	2.07
	F	2.0	2.28	G	5.0	2.27	H	10	2.52	I	20	2.73	J	40	2.72
	K	80	3.12												
1,4-Dichlorobenzene	A	0.10	1.84	B	0.20	1.64	C	0.30	1.63	D	0.50	1.52	E	1.3	1.47
	F	2.0	1.45	G	5.0	1.45	H	10	1.49	I	20	1.49	J	40	1.45
	K	80	1.53												
n-Butylbenzene				B	0.20	1.61	C	0.30	1.92	D	0.50	1.63	E	1.3	1.69
	F	2.0	1.78	G	5.0	1.79	H	10	2.01	I	20	2.20	J	40	2.21
1,2-Dichlorobenzene	A	0.10	1.55	B	0.20	1.24	C	0.30	1.39	D	0.50	1.38	E	1.3	1.29
	F	2.0	1.28	G	5.0	1.32	H	10	1.35	I	20	1.34	J	40	1.30
	K	80	1.35												
1,2-Dibromo-3-chloropropane													E	1.3	0.0288
	F	2.0	0.0381	G	5.0	0.0385	H	10	0.0411	I	20	0.0431			
1,2,4-Trichlorobenzene	A	0.10	0.982	B	0.20	0.731	C	0.30	0.835	D	0.50	0.724	E	1.3	0.737
	F	2.0	0.725	G	5.0	0.744	H	10	0.760	I	20	0.774	J	40	0.766
	K	80	0.806												
1,2,3-Trichlorobenzene				B	0.20	0.669	C	0.30	0.719	D	0.50	0.566	E	1.3	0.576
	F	2.0	0.577	G	5.0	0.575	H	10	0.593	I	20	0.599	J	40	0.589
	K	80	0.609												
Naphthalene				B	0.20	1.07	C	0.30	1.02	D	0.50	0.966	E	1.3	0.952
	F	2.0	0.986	G	5.0	1.04	H	10	1.12	I	20	1.16	J	40	1.15
	K	80	1.17												
Hexachlorobutadiene				B	0.20	0.380	C	0.30	0.451	D	0.50	0.322	E	1.3	0.368
	F	2.0	0.371	G	5.0	0.373	H	10	0.392	I	20	0.415	J	40	0.410
	K	80	0.465												

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Service Request: K0802637
Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
1,3,5-Trichlorobenzene	A	0.10	1.13	B	0.20	1.10	C	0.30	0.984	D	0.50	0.873	E	1.3	0.874
	F	2.0	0.890	G	5.0	0.878	H	10	0.907	I	20	0.937	J	40	0.921
	K	80	1.00												
Dibromofluoromethane	A	2.0	0.219	B	3.0	0.214	C	4.0	0.211	D	5.0	0.229	E	6.0	0.216
	F	8.0	0.222	G	9.0	0.216	H	10	0.219	I	20	0.223	J	40	0.233
	K	50	0.227												
Toluene-d8	A	2.0	0.910	B	3.0	0.902	C	4.0	0.874	D	5.0	1.04	E	6.0	0.914
	F	8.0	0.980	G	9.0	0.958	H	10	0.966	I	20	0.985	J	40	1.04
	K	50	0.993												
4-Bromofluorobenzene	A	2.0	0.892	B	3.0	0.882	C	4.0	0.857	D	5.0	0.951	E	6.0	0.872
	F	8.0	0.894	G	9.0	0.872	H	10	0.892	I	20	0.888	J	40	0.923
	K	50	0.880												

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Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Dichlorodifluoromethane	TRG	AverageRF	% RSD	12.7		≤ 15	0.246		0.01
† Chloromethane	TRG	AverageRF	% RSD	8.9		≤ 15	0.302		0.10
‡ Vinyl Chloride	TRG	AverageRF	% RSD	9.4		≤ 15	0.298		0.01
Bromomethane	TRG	AverageRF	% RSD	8.3		≤ 15	0.173		0.01
Chloroethane	TRG	AverageRF	% RSD	7.0		≤ 15	0.190		0.01
Trichlorofluoromethane	TRG	AverageRF	% RSD	11.2		≤ 15	0.387		0.01
Acetone	TRG	AverageRF	% RSD	6.6		≤ 15	0.0347		0.01
‡ 1,1-Dichloroethene	MS	AverageRF	% RSD	10.2		≤ 15	0.197		0.01
Carbon Disulfide	TRG	AverageRF	% RSD	11.7		≤ 15	0.714		0.01
Methylene Chloride	TRG	AverageRF	% RSD	15.3	*	≤ 15	0.279		0.01
trans-1,2-Dichloroethene	TRG	AverageRF	% RSD	7.8		≤ 15	0.239		0.01
† 1,1-Dichloroethane	TRG	AverageRF	% RSD	6.8		≤ 15	0.444		0.10
2-Butanone (MEK)	TRG	AverageRF	% RSD	8.2		≤ 15	0.0131		0.01
2,2-Dichloropropane	TRG	AverageRF	% RSD	12.0		≤ 15	0.332		0.01
cis-1,2-Dichloroethene	TRG	AverageRF	% RSD	4.2		≤ 15	0.267		0.01
‡ Chloroform	TRG	AverageRF	% RSD	6.9		≤ 15	0.429		0.01
Bromochloromethane	TRG	AverageRF	% RSD	6.4		≤ 15	0.112		0.01
1,1,1-Trichloroethane (TCA)	TRG	AverageRF	% RSD	14.5		≤ 15	0.348		0.01
1,1-Dichloropropene	TRG	AverageRF	% RSD	12.6		≤ 15	0.339		0.01
Carbon Tetrachloride	TRG	AverageRF	% RSD	13.9		≤ 15	0.242		0.01
1,2-Dichloroethane (EDC)	TRG	AverageRF	% RSD	4.0		≤ 15	0.315		0.01
Benzene	MS	AverageRF	% RSD	5.6		≤ 15	1.05		0.01
Trichloroethene (TCE)	MS	AverageRF	% RSD	7.4		≤ 15	0.247		0.01
‡ 1,2-Dichloropropane	TRG	AverageRF	% RSD	7.1		≤ 15	0.236		0.01
Bromodichloromethane	TRG	AverageRF	% RSD	9.5		≤ 15	0.262		0.01
Dibromomethane	TRG	AverageRF	% RSD	5.3		≤ 15	0.112		0.01
2-Hexanone	TRG	AverageRF	% RSD	14.7		≤ 15	0.0313		0.01
cis-1,3-Dichloropropene	TRG	AverageRF	% RSD	13.8		≤ 15	0.319		0.01
‡ Toluene	MS	AverageRF	% RSD	9.0		≤ 15	0.710		0.01
trans-1,3-Dichloropropene	TRG	AverageRF	% RSD	14.9		≤ 15	0.600		0.01
1,1,2-Trichloroethane	TRG	AverageRF	% RSD	3.9		≤ 15	0.323		0.01
4-Methyl-2-pentanone (MIBK)	TRG	AverageRF	% RSD	6.2		≤ 15	0.0454		0.01
1,3-Dichloropropane	TRG	AverageRF	% RSD	3.9		≤ 15	0.698		0.01
Tetrachloroethene (PCE)	TRG	AverageRF	% RSD	9.1		≤ 15	0.482		0.01
Dibromochloromethane	TRG	AverageRF	% RSD	14.2		≤ 15	0.319		0.01
1,2-Dibromoethane (EDB)	TRG	AverageRF	% RSD	7.7		≤ 15	0.347		0.01
† Chlorobenzene	MS	AverageRF	% RSD	4.4		≤ 15	1.81		0.30
1,1,1,2-Tetrachloroethane	TRG	AverageRF	% RSD	13.9		≤ 15	0.442		0.01
‡ Ethylbenzene	TRG	AverageRF	% RSD	7.5		≤ 15	0.918		0.01
m,p-Xylenes	TRG	AverageRF	% RSD	7.8		≤ 15	1.14		0.01
o-Xylene	TRG	AverageRF	% RSD	7.2		≤ 15	1.12		0.01
Styrene	TRG	AverageRF	% RSD	11.0		≤ 15	0.847		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
† Bromoform	TRG	AverageRF	% RSD	23.4	*	≤ 15	0.158		0.10
Isopropylbenzene	TRG	AverageRF	% RSD	9.8		≤ 15	2.76		0.01
† 1,1,2,2-Tetrachloroethane	TRG	AverageRF	% RSD	8.5		≤ 15	0.366		0.30
1,2,3-Trichloropropane	TRG	AverageRF	% RSD	6.2		≤ 15	0.135		0.01
Bromobenzene	TRG	AverageRF	% RSD	4.9		≤ 15	0.735		0.01
n-Propylbenzene	TRG	AverageRF	% RSD	10.3		≤ 15	3.46		0.01
2-Chlorotoluene	TRG	AverageRF	% RSD	6.2		≤ 15	2.29		0.01
4-Chlorotoluene	TRG	AverageRF	% RSD	6.1		≤ 15	2.58		0.01
1,3,5-Trimethylbenzene	TRG	AverageRF	% RSD	11.7		≤ 15	2.41		0.01
tert-Butylbenzene	TRG	AverageRF	% RSD	12.4		≤ 15	2.12		0.01
1,2,4-Trimethylbenzene	TRG	AverageRF	% RSD	11.9		≤ 15	2.34		0.01
sec-Butylbenzene	TRG	AverageRF	% RSD	12.7		≤ 15	2.83		0.01
1,3-Dichlorobenzene	TRG	AverageRF	% RSD	3.5		≤ 15	1.48		0.01
4-Isopropyltoluene	TRG	AverageRF	% RSD	14.3		≤ 15	2.45		0.01
1,4-Dichlorobenzene	TRG	AverageRF	% RSD	7.7		≤ 15	1.54		0.01
n-Butylbenzene	TRG	AverageRF	% RSD	12.2		≤ 15	1.87		0.01
1,2-Dichlorobenzene	MS	AverageRF	% RSD	6.1		≤ 15	1.35		0.01
1,2-Dibromo-3-chloropropane	TRG	AverageRF	% RSD	14.5		≤ 15	0.0379		0.01
1,2,4-Trichlorobenzene	TRG	AverageRF	% RSD	9.7		≤ 15	0.781		0.01
1,2,3-Trichlorobenzene	TRG	AverageRF	% RSD	8.0		≤ 15	0.607		0.01
Naphthalene	MS	AverageRF	% RSD	7.8		≤ 15	1.06		0.01
Hexachlorobutadiene	TRG	AverageRF	% RSD	10.7		≤ 15	0.395		0.01
1,3,5-Trichlorobenzene	TRG	AverageRF	% RSD	9.4		≤ 15	0.954		0.01
Dibromofluoromethane	SURR	AverageRF	% RSD	3.0		≤ 15	0.221		0.01
Toluene-d8	SURR	AverageRF	% RSD	5.7		≤ 15	0.960		0.01
4-Bromofluorobenzene	SURR	AverageRF	% RSD	2.9		≤ 15	0.891		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008
Date Analyzed: 03/22/2008

Second Source Calibration Verification
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration ID: CAL7189
Units: PPB

File ID: J:\MS13\DATA\032208\0322F003.D
J:\MS13\DATA\032108\0321F027.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Dichlorodifluoromethane	10	11	0.246	0.272	11	NA	± 40 %	AverageRF
† Chloromethane	10	10	0.302	0.306	1	NA	± 40 %	AverageRF
‡ Vinyl Chloride	10	10	0.298	0.312	5	NA	± 20 %	AverageRF
Bromomethane	10	11	0.173	0.187	8	NA	± 40 %	AverageRF
Chloroethane	10	10	0.190	0.199	5	NA	± 40 %	AverageRF
Trichlorofluoromethane	10	11	0.387	0.410	6	NA	± 30 %	AverageRF
Acetone	50	41	0.0347	0.0286	-18	NA	± 30 %	AverageRF
‡ 1,1-Dichloroethene	10	12	0.197	0.229	16	NA	± 20 %	AverageRF
Carbon Disulfide	20	20	0.714	0.726	2	NA	± 30 %	AverageRF
Methylene Chloride	10	9.6	0.279	0.268	-4	NA	± 30 %	AverageRF
trans-1,2-Dichloroethene	10	11	0.239	0.252	5	NA	± 30 %	AverageRF
† 1,1-Dichloroethane	10	10	0.444	0.449	1	NA	± 30 %	AverageRF
2-Butanone (MEK)	50	46	0.0131	0.0121	-7	NA	± 30 %	AverageRF
2,2-Dichloropropane	10	11	0.332	0.378	14	NA	± 30 %	AverageRF
cis-1,2-Dichloroethene	10	10	0.267	0.267	0	NA	± 30 %	AverageRF
‡ Chloroform	10	10	0.429	0.441	3	NA	± 20 %	AverageRF
Bromochloromethane	10	10	0.112	0.115	3	NA	± 30 %	AverageRF
1,1,1-Trichloroethane (TCA)	10	11	0.348	0.382	10	NA	± 30 %	AverageRF
1,1-Dichloropropene	10	11	0.339	0.363	7	NA	± 30 %	AverageRF
Carbon Tetrachloride	10	12	0.242	0.298	23	NA	± 30 %	AverageRF
1,2-Dichloroethane (EDC)	10	9.7	0.315	0.305	-3	NA	± 30 %	AverageRF
Benzene	10	10	1.05	1.06	1	NA	± 30 %	AverageRF
Trichloroethene (TCE)	10	11	0.247	0.263	6	NA	± 30 %	AverageRF
‡ 1,2-Dichloropropane	10	10	0.236	0.240	2	NA	± 20 %	AverageRF
Bromodichloromethane	10	11	0.262	0.279	7	NA	± 30 %	AverageRF
Dibromomethane	10	10	0.112	0.114	2	NA	± 30 %	AverageRF
2-Hexanone	50	50	0.0313	0.0311	-1	NA	± 30 %	AverageRF
cis-1,3-Dichloropropene	10	11	0.319	0.347	9	NA	± 30 %	AverageRF
‡ Toluene	10	9.8	0.710	0.694	-2	NA	± 20 %	AverageRF
trans-1,3-Dichloropropene	10	10	0.600	0.610	2	NA	± 30 %	AverageRF
1,1,2-Trichloroethane	10	11	0.323	0.340	5	NA	± 30 %	AverageRF
4-Methyl-2-pentanone (MIBK)	50	45	0.0454	0.0405	-11	NA	± 30 %	AverageRF
1,3-Dichloropropane	10	10	0.698	0.729	5	NA	± 30 %	AverageRF
Tetrachloroethene (PCE)	10	11	0.482	0.554	15	NA	± 30 %	AverageRF
Dibromochloromethane	10	12	0.319	0.381	19	NA	± 30 %	AverageRF
1,2-Dibromoethane (EDB)	10	11	0.347	0.370	6	NA	± 30 %	AverageRF
Chlorobenzene	10	10	1.81	1.85	2	NA	± 30 %	AverageRF
1,1,1,2-Tetrachloroethane	10	11	0.442	0.488	10	NA	± 30 %	AverageRF
Ethylbenzene	10	11	0.918	1.00	9	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008
Date Analyzed: 03/22/2008

Second Source Calibration Verification
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration ID: CAL7189
Units: PPB

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
m,p-Xylenes	20	22	1.14	1.27	11	NA	± 30 %	AverageRF
o-Xylene	10	11	1.12	1.21	8	NA	± 30 %	AverageRF
Styrene	10	11	0.847	0.928	10	NA	± 30 %	AverageRF
† Bromoform	10	11	0.158	0.179	13	NA	± 30 %	AverageRF
Isopropylbenzene	10	11	2.76	2.91	6	NA	± 30 %	AverageRF
† 1,1,2,2-Tetrachloroethane	10	11	0.366	0.399	9	NA	± 30 %	AverageRF
1,2,3-Trichloropropane	10	10	0.135	0.137	1	NA	± 30 %	AverageRF
Bromobenzene	10	10	0.735	0.764	4	NA	± 30 %	AverageRF
n-Propylbenzene	10	11	3.46	3.92	13	NA	± 30 %	AverageRF
2-Chlorotoluene	10	11	2.29	2.50	9	NA	± 30 %	AverageRF
4-Chlorotoluene	10	11	2.58	2.77	8	NA	± 30 %	AverageRF
1,3,5-Trimethylbenzene	10	11	2.41	2.75	14	NA	± 30 %	AverageRF
tert-Butylbenzene	10	11	2.12	2.42	14	NA	± 30 %	AverageRF
1,2,4-Trimethylbenzene	10	11	2.34	2.66	14	NA	± 30 %	AverageRF
sec-Butylbenzene	10	12	2.83	3.37	19	NA	± 30 %	AverageRF
1,3-Dichlorobenzene	10	11	1.48	1.56	5	NA	± 30 %	AverageRF
4-Isopropyltoluene	10	11	2.45	2.77	13	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	10	10	1.54	1.56	1	NA	± 30 %	AverageRF
n-Butylbenzene	10	12	1.87	2.30	23	NA	± 30 %	AverageRF
1,2-Dichlorobenzene	10	10	1.35	1.37	2	NA	± 30 %	AverageRF
1,2-Dibromo-3-chloropropane	10	12	0.0379	0.0438	15	NA	± 30 %	AverageRF
1,2,4-Trichlorobenzene	10	10	0.781	0.794	2	NA	± 30 %	AverageRF
1,2,3-Trichlorobenzene	10	10	0.607	0.634	4	NA	± 30 %	AverageRF
Naphthalene	10	11	1.06	1.12	5	NA	± 30 %	AverageRF
Hexachlorobutadiene	10	11	0.395	0.441	12	NA	± 30 %	AverageRF
1,3,5-Trichlorobenzene	40	43	0.954	1.01	6	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/02/2008

Continuing Calibration Verification Summary
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration Date: 03/21/2008
Calibration ID: CAL7189
Analysis Lot: KWG0803086
Units: PPB

File ID: J:\MS13\DATA\040208\0402F003.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Dichlorodifluoromethane	10	9.0	0.01	0.246	0.221	-10	NA	± 40 %	AverageRF
† Chloromethane	10	9.8	0.10	0.302	0.295	-2	NA	± 40 %	AverageRF
‡ Vinyl Chloride	10	9.2	0.01	0.298	0.274	-8	NA	± 20 %	AverageRF
Bromomethane	10	11	0.01	0.173	0.187	8	NA	± 40 %	AverageRF
Chloroethane	10	9.7	0.01	0.190	0.184	-3	NA	± 40 %	AverageRF
Trichlorofluoromethane	10	9.2	0.01	0.387	0.357	-8	NA	± 30 %	AverageRF
Acetone	200	170	0.01	0.0347	0.0295	-15	NA	± 30 %	AverageRF
‡ 1,1-Dichloroethene	10	9.2	0.01	0.197	0.180	-8	NA	± 20 %	AverageRF
Carbon Disulfide	10	9.5	0.01	0.714	0.677	-5	NA	± 30 %	AverageRF
Methylene Chloride	10	9.1	0.01	0.279	0.254	-9	NA	± 30 %	AverageRF
trans-1,2-Dichloroethene	10	9.5	0.01	0.239	0.227	-5	NA	± 30 %	AverageRF
† 1,1-Dichloroethane	10	9.5	0.10	0.444	0.424	-5	NA	± 30 %	AverageRF
2-Butanone (MEK)	200	190	0.01	0.0131	0.0123	-6	NA	± 30 %	AverageRF
2,2-Dichloropropane	10	9.5	0.01	0.332	0.314	-5	NA	± 30 %	AverageRF
cis-1,2-Dichloroethene	10	9.9	0.01	0.267	0.265	-1	NA	± 30 %	AverageRF
‡ Chloroform	10	9.7	0.01	0.429	0.415	-3	NA	± 20 %	AverageRF
Bromochloromethane	10	10	0.01	0.112	0.114	2	NA	± 30 %	AverageRF
1,1,1-Trichloroethane (TCA)	10	9.0	0.01	0.348	0.315	-10	NA	± 30 %	AverageRF
1,1-Dichloropropene	10	9.3	0.01	0.339	0.314	-7	NA	± 30 %	AverageRF
Carbon Tetrachloride	10	9.5	0.01	0.242	0.230	-5	NA	± 30 %	AverageRF
1,2-Dichloroethane (EDC)	10	9.5	0.01	0.315	0.299	-5	NA	± 30 %	AverageRF
Benzene	10	9.6	0.01	1.05	1.01	-4	NA	± 30 %	AverageRF
Trichloroethene (TCE)	10	9.7	0.01	0.247	0.239	-3	NA	± 30 %	AverageRF
‡ 1,2-Dichloropropane	10	10	0.01	0.236	0.243	3	NA	± 20 %	AverageRF
Bromodichloromethane	10	9.8	0.01	0.262	0.255	-3	NA	± 30 %	AverageRF
Dibromomethane	10	9.9	0.01	0.112	0.111	-1	NA	± 30 %	AverageRF
2-Hexanone	200	200	0.01	0.0313	0.0314	0	NA	± 30 %	AverageRF
cis-1,3-Dichloropropene	10	11	0.01	0.319	0.339	6	NA	± 30 %	AverageRF
‡ Toluene	10	9.5	0.01	0.710	0.677	-5	NA	± 20 %	AverageRF
trans-1,3-Dichloropropene	10	11	0.01	0.600	0.633	5	NA	± 30 %	AverageRF
1,1,2-Trichloroethane	10	10	0.01	0.323	0.330	2	NA	± 30 %	AverageRF
4-Methyl-2-pentanone (MIBK)	200	180	0.01	0.0454	0.0413	-9	NA	± 30 %	AverageRF
1,3-Dichloropropane	10	10	0.01	0.698	0.716	3	NA	± 30 %	AverageRF
Tetrachloroethene (PCE)	10	9.4	0.01	0.482	0.455	-6	NA	± 30 %	AverageRF
Dibromochloromethane	10	10	0.01	0.319	0.332	4	NA	± 30 %	AverageRF
1,2-Dibromoethane (EDB)	10	10	0.01	0.347	0.363	4	NA	± 30 %	AverageRF
Chlorobenzene	10	9.5	0.30	1.81	1.72	-5	NA	± 30 %	AverageRF
1,1,1,2-Tetrachloroethane	10	10	0.01	0.442	0.440	0	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/02/2008

Continuing Calibration Verification Summary
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration Date: 03/21/2008
Calibration ID: CAL7189
Analysis Lot: KWG0803086
Units: PPB

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
‡ Ethylbenzene	10	10	0.01	0.918	0.917	0	NA	± 20 %	AverageRF
m,p-Xylenes	20	20	0.01	1.14	1.16	2	NA	± 30 %	AverageRF
o-Xylene	10	10	0.01	1.12	1.11	-1	NA	± 30 %	AverageRF
Styrene	10	11	0.01	0.847	0.892	5	NA	± 30 %	AverageRF
† Bromoform	10	9.6	0.10	0.158	0.152	-4	NA	± 30 %	AverageRF
Isopropylbenzene	10	9.9	0.01	2.76	2.73	-1	NA	± 30 %	AverageRF
† 1,1,2,2-Tetrachloroethane	10	11	0.30	0.366	0.401	10	NA	± 30 %	AverageRF
1,2,3-Trichloropropane	10	9.7	0.01	0.135	0.131	-3	NA	± 30 %	AverageRF
Bromobenzene	10	10	0.01	0.735	0.750	2	NA	± 30 %	AverageRF
n-Propylbenzene	10	10	0.01	3.46	3.51	1	NA	± 30 %	AverageRF
2-Chlorotoluene	10	9.9	0.01	2.29	2.26	-1	NA	± 30 %	AverageRF
4-Chlorotoluene	10	10	0.01	2.58	2.63	2	NA	± 30 %	AverageRF
1,3,5-Trimethylbenzene	10	10	0.01	2.41	2.50	4	NA	± 30 %	AverageRF
tert-Butylbenzene	10	9.8	0.01	2.12	2.07	-2	NA	± 30 %	AverageRF
1,2,4-Trimethylbenzene	10	11	0.01	2.34	2.50	7	NA	± 30 %	AverageRF
sec-Butylbenzene	10	10	0.01	2.83	2.86	1	NA	± 30 %	AverageRF
1,3-Dichlorobenzene	10	9.8	0.01	1.48	1.45	-2	NA	± 30 %	AverageRF
4-Isopropyltoluene	10	10	0.01	2.45	2.48	1	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	10	9.4	0.01	1.54	1.45	-6	NA	± 30 %	AverageRF
n-Butylbenzene	10	11	0.01	1.87	2.03	8	NA	± 30 %	AverageRF
1,2-Dichlorobenzene	10	9.7	0.01	1.35	1.30	-4	NA	± 30 %	AverageRF
1,2-Dibromo-3-chloropropane	10	11	0.01	0.0379	0.0421	11	NA	± 30 %	AverageRF
1,2,4-Trichlorobenzene	10	9.5	0.01	0.781	0.743	-5	NA	± 30 %	AverageRF
1,2,3-Trichlorobenzene	10	9.3	0.01	0.607	0.566	-7	NA	± 30 %	AverageRF
Naphthalene	10	11	0.01	1.06	1.16	9	NA	± 30 %	AverageRF
Hexachlorobutadiene	10	9.3	0.01	0.395	0.365	-7	NA	± 30 %	AverageRF
1,3,5-Trichlorobenzene	10	10	0.01	0.954	0.962	1	NA	± 30 %	AverageRF
Dibromofluoromethane	10	9.8	0.01	0.221	0.216	-2	NA	± 30 %	AverageRF
Toluene-d8	10	11	0.01	0.960	1.07	11	NA	± 30 %	AverageRF
4-Bromofluorobenzene	10	10	0.01	0.891	0.926	4	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/03/2008

Continuing Calibration Verification Summary
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration Date: 03/21/2008
Calibration ID: CAL7189
Analysis Lot: KWG0803131
Units: PPB

File ID: J:\MS13\DATA\040308\0403F003.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Dichlorodifluoromethane	10	9.0	0.01	0.246	0.222	-10	NA	± 40 %	AverageRF
† Chloromethane	10	9.1	0.10	0.302	0.274	-9	NA	± 40 %	AverageRF
‡ Vinyl Chloride	10	8.4	0.01	0.298	0.250	-16	NA	± 20 %	AverageRF
Bromomethane	10	10	0.01	0.173	0.175	1	NA	± 40 %	AverageRF
Chloroethane	10	9.0	0.01	0.190	0.170	-10	NA	± 40 %	AverageRF
Trichlorofluoromethane	10	9.9	0.01	0.387	0.383	-1	NA	± 30 %	AverageRF
Acetone	200	170	0.01	0.0347	0.0295	-15	NA	± 30 %	AverageRF
‡ 1,1-Dichloroethene	10	8.9	0.01	0.197	0.175	-11	NA	± 20 %	AverageRF
Carbon Disulfide	10	9.2	0.01	0.714	0.657	-8	NA	± 30 %	AverageRF
Methylene Chloride	10	8.7	0.01	0.279	0.243	-13	NA	± 30 %	AverageRF
trans-1,2-Dichloroethene	10	9.3	0.01	0.239	0.223	-7	NA	± 30 %	AverageRF
† 1,1-Dichloroethane	10	9.4	0.10	0.444	0.419	-6	NA	± 30 %	AverageRF
2-Butanone (MEK)	200	180	0.01	0.0131	0.0118	-9	NA	± 30 %	AverageRF
2,2-Dichloropropane	10	9.6	0.01	0.332	0.319	-4	NA	± 30 %	AverageRF
cis-1,2-Dichloroethene	10	9.6	0.01	0.267	0.255	-4	NA	± 30 %	AverageRF
‡ Chloroform	10	10	0.01	0.429	0.430	0	NA	± 20 %	AverageRF
Bromochloromethane	10	10	0.01	0.112	0.115	2	NA	± 30 %	AverageRF
1,1,1-Trichloroethane (TCA)	10	9.5	0.01	0.348	0.330	-5	NA	± 30 %	AverageRF
1,1-Dichloropropene	10	9.2	0.01	0.339	0.312	-8	NA	± 30 %	AverageRF
Carbon Tetrachloride	10	9.9	0.01	0.242	0.240	-1	NA	± 30 %	AverageRF
1,2-Dichloroethane (EDC)	10	10	0.01	0.315	0.321	2	NA	± 30 %	AverageRF
Benzene	10	9.4	0.01	1.05	0.986	-6	NA	± 30 %	AverageRF
Trichloroethene (TCE)	10	9.8	0.01	0.247	0.241	-2	NA	± 30 %	AverageRF
‡ 1,2-Dichloropropane	10	9.7	0.01	0.236	0.229	-3	NA	± 20 %	AverageRF
Bromodichloromethane	10	10	0.01	0.262	0.264	1	NA	± 30 %	AverageRF
Dibromomethane	10	10	0.01	0.112	0.115	3	NA	± 30 %	AverageRF
2-Hexanone	200	200	0.01	0.0313	0.0311	-1	NA	± 30 %	AverageRF
cis-1,3-Dichloropropene	10	10	0.01	0.319	0.333	4	NA	± 30 %	AverageRF
† Toluene	10	9.4	0.01	0.710	0.669	-6	NA	± 20 %	AverageRF
trans-1,3-Dichloropropene	10	10	0.01	0.600	0.625	4	NA	± 30 %	AverageRF
1,1,2-Trichloroethane	10	9.8	0.01	0.323	0.315	-2	NA	± 30 %	AverageRF
4-Methyl-2-pentanone (MIBK)	200	170	0.01	0.0454	0.0396	-13	NA	± 30 %	AverageRF
1,3-Dichloropropane	10	10	0.01	0.698	0.714	2	NA	± 30 %	AverageRF
Tetrachloroethene (PCE)	10	9.6	0.01	0.482	0.465	-4	NA	± 30 %	AverageRF
Dibromochloromethane	10	11	0.01	0.319	0.347	9	NA	± 30 %	AverageRF
1,2-Dibromoethane (EDB)	10	11	0.01	0.347	0.365	5	NA	± 30 %	AverageRF
Chlorobenzene	10	9.7	0.30	1.81	1.75	-3	NA	± 30 %	AverageRF
1,1,1,2-Tetrachloroethane	10	11	0.01	0.442	0.465	5	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/03/2008

Continuing Calibration Verification Summary
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration Date: 03/21/2008
Calibration ID: CAL7189
Analysis Lot: KWG0803131
Units: PPB

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
† Ethylbenzene	10	10	0.01	0.918	0.929	1	NA	± 20 %	AverageRF
m,p-Xylenes	20	20	0.01	1.14	1.16	2	NA	± 30 %	AverageRF
o-Xylene	10	9.9	0.01	1.12	1.11	-1	NA	± 30 %	AverageRF
Styrene	10	10	0.01	0.847	0.877	4	NA	± 30 %	AverageRF
† Bromoform	10	10	0.10	0.158	0.161	2	NA	± 30 %	AverageRF
Isopropylbenzene	10	9.9	0.01	2.76	2.72	-2	NA	± 30 %	AverageRF
† 1,1,2,2-Tetrachloroethane	10	10	0.30	0.366	0.377	3	NA	± 30 %	AverageRF
1,2,3-Trichloropropane	10	9.9	0.01	0.135	0.134	-1	NA	± 30 %	AverageRF
Bromobenzene	10	10	0.01	0.735	0.753	2	NA	± 30 %	AverageRF
n-Propylbenzene	10	9.8	0.01	3.46	3.41	-2	NA	± 30 %	AverageRF
2-Chlorotoluene	10	9.7	0.01	2.29	2.22	-3	NA	± 30 %	AverageRF
4-Chlorotoluene	10	10	0.01	2.58	2.60	1	NA	± 30 %	AverageRF
1,3,5-Trimethylbenzene	10	10	0.01	2.41	2.43	1	NA	± 30 %	AverageRF
tert-Butylbenzene	10	9.4	0.01	2.12	2.00	-6	NA	± 30 %	AverageRF
1,2,4-Trimethylbenzene	10	10	0.01	2.34	2.45	5	NA	± 30 %	AverageRF
sec-Butylbenzene	10	9.6	0.01	2.83	2.73	-4	NA	± 30 %	AverageRF
1,3-Dichlorobenzene	10	9.9	0.01	1.48	1.47	-1	NA	± 30 %	AverageRF
4-Isopropyltoluene	10	9.8	0.01	2.45	2.40	-2	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	10	9.5	0.01	1.54	1.47	-5	NA	± 30 %	AverageRF
n-Butylbenzene	10	10	0.01	1.87	1.91	2	NA	± 30 %	AverageRF
1,2-Dichlorobenzene	10	9.7	0.01	1.35	1.30	-3	NA	± 30 %	AverageRF
1,2-Dibromo-3-chloropropane	10	10	0.01	0.0379	0.0382	1	NA	± 30 %	AverageRF
1,2,4-Trichlorobenzene	10	9.7	0.01	0.781	0.754	-3	NA	± 30 %	AverageRF
1,2,3-Trichlorobenzene	10	9.4	0.01	0.607	0.568	-6	NA	± 30 %	AverageRF
Naphthalene	10	10	0.01	1.06	1.07	1	NA	± 30 %	AverageRF
Hexachlorobutadiene	10	9.1	0.01	0.395	0.360	-9	NA	± 30 %	AverageRF
1,3,5-Trichlorobenzene	10	10	0.01	0.954	0.969	2	NA	± 30 %	AverageRF
Dibromofluoromethane	10	10	0.01	0.221	0.227	3	NA	± 30 %	AverageRF
Toluene-d8	10	11	0.01	0.960	1.08	12	NA	± 30 %	AverageRF
4-Bromofluorobenzene	10	11	0.01	0.891	0.968	9	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637

Analysis Run Log
Volatile Organic Compounds

Analysis Method: 8260B

Analysis Lot: KWG0803086
Instrument ID: MS13

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0402F002.D	GC/MS Tuning - Generic	KWG0803086-1	4/2/2008	15:59		4/2/2008	16:18
0402F003.D	Continuing Calibration Verification	KWG0803086-2	4/2/2008	16:35		4/2/2008	16:54
0402F004.D	Lab Control Sample	KWG0803087-3	4/2/2008	17:12		4/2/2008	17:31
0402F005.D	Duplicate Lab Control Sample	KWG0803087-5	4/2/2008	17:39		4/2/2008	17:58
0402F006.D	ZZZZZZ	ZZZZZZ	4/2/2008	18:07		4/2/2008	18:26
0402F007.D	ZZZZZZ	ZZZZZZ	4/2/2008	18:35		4/2/2008	18:54
0402F010.D	Method Blank	KWG0803087-4	4/2/2008	19:58		4/2/2008	20:17
0402F011.D	ZZZZZZ	ZZZZZZ	4/2/2008	20:25		4/2/2008	20:44
0402F012.D	ZZZZZZ	ZZZZZZ	4/2/2008	20:53		4/2/2008	21:12
0402F013.D	KEP-GW-011A-003	K0802637-001	4/2/2008	21:20		4/2/2008	21:39
0402F014.D	Duplicate 1	K0802637-002	4/2/2008	21:48		4/2/2008	22:07
0402F015.D	KEP-GW-010A-003	K0802637-003	4/2/2008	22:15		4/2/2008	22:34
0402F016.D	ZZZZZZ	ZZZZZZ	4/2/2008	22:43		4/2/2008	23:02
0402F017.D	ZZZZZZ	ZZZZZZ	4/2/2008	23:10		4/2/2008	23:29
0402F018.D	ZZZZZZ	ZZZZZZ	4/2/2008	23:38		4/2/2008	23:57
0402F019.D	ZZZZZZ	ZZZZZZ	4/3/2008	00:06		4/3/2008	00:25
0402F020.D	ZZZZZZ	ZZZZZZ	4/3/2008	00:33		4/3/2008	00:52
0402F021.D	ZZZZZZ	ZZZZZZ	4/3/2008	01:01		4/3/2008	01:20
0402F022.D	ZZZZZZ	ZZZZZZ	4/3/2008	01:28		4/3/2008	01:47
0402F023.D	ZZZZZZ	ZZZZZZ	4/3/2008	01:56		4/3/2008	02:15
0402F024.D	ZZZZZZ	ZZZZZZ	4/3/2008	02:23		4/3/2008	02:42
0402F025.D	ZZZZZZ	ZZZZZZ	4/3/2008	02:51		4/3/2008	03:10
0402F026.D	ZZZZZZ	ZZZZZZ	4/3/2008	03:18		4/3/2008	03:37
0402F027.D	ZZZZZZ	ZZZZZZ	4/3/2008	03:46		4/3/2008	04:05

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637

Analysis Run Log
Volatile Organic Compounds

Analysis Method: 8260B

Analysis Lot: KWG0803131
Instrument ID: MS13

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0403F002.D	GC/MS Tuning - Generic	KWG0803131-1	4/3/2008	17:34		4/3/2008	17:53
0403F003.D	Continuing Calibration Verification	KWG0803131-2	4/3/2008	18:12		4/3/2008	18:31
0403F004.D	Lab Control Sample	KWG0803135-3	4/3/2008	18:48		4/3/2008	19:07
0403F005.D	Batch QCMS	KWG0803135-1	4/3/2008	19:16		4/3/2008	19:35
0403F006.D	Batch QCDMS	KWG0803135-2	4/3/2008	19:44		4/3/2008	20:03
0403F008.D	Method Blank	KWG0803135-4	4/3/2008	20:39		4/3/2008	20:58
0403F010.D	ZZZZZZ	ZZZZZZ	4/3/2008	21:34		4/3/2008	21:53
0403F011.D	KEP-GW-011A-003	K0802637-001	4/3/2008	22:02		4/3/2008	22:21
0403F012.D	Duplicate 1	K0802637-002	4/3/2008	22:29		4/3/2008	22:48
0403F013.D	ZZZZZZ	ZZZZZZ	4/3/2008	22:57		4/3/2008	23:16
0403F014.D	ZZZZZZ	ZZZZZZ	4/3/2008	23:25		4/3/2008	23:44
0403F015.D	ZZZZZZ	ZZZZZZ	4/3/2008	23:52		4/4/2008	00:11
0403F016.D	ZZZZZZ	ZZZZZZ	4/4/2008	00:20		4/4/2008	00:39
0403F017.D	ZZZZZZ	ZZZZZZ	4/4/2008	00:48		4/4/2008	01:07
0403F018.D	ZZZZZZ	ZZZZZZ	4/4/2008	01:15		4/4/2008	01:34
0403F019.D	Batch QC	K0802870-003	4/4/2008	01:42		4/4/2008	02:01
0403F020.D	ZZZZZZ	ZZZZZZ	4/4/2008	02:10		4/4/2008	02:29
0403F021.D	ZZZZZZ	ZZZZZZ	4/4/2008	02:38		4/4/2008	02:57
0403F022.D	ZZZZZZ	ZZZZZZ	4/4/2008	03:05		4/4/2008	03:24
0403F023.D	ZZZZZZ	ZZZZZZ	4/4/2008	03:32		4/4/2008	03:51
0403F024.D	ZZZZZZ	ZZZZZZ	4/4/2008	04:00		4/4/2008	04:19
0403F025.D	ZZZZZZ	ZZZZZZ	4/4/2008	04:28		4/4/2008	04:47
0403F026.D	ZZZZZZ	ZZZZZZ	4/4/2008	04:55		4/4/2008	05:14
0403F027.D	ZZZZZZ	ZZZZZZ	4/4/2008	05:22		4/4/2008	05:41

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Extracted: 04/02/2008

Extraction Prep Log
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Extraction Lot: KWG0803087
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
KEP-GW-011A-003	K0802637-001	03/24/08	03/27/08	10ml	10ml	NA	
Duplicate 1	K0802637-002	03/24/08	03/27/08	10ml	10ml	NA	
KEP-GW-010A-003	K0802637-003	03/24/08	03/27/08	10ml	10ml	NA	
Method Blank	KWG0803087-4	NA	NA	10ml	10ml	NA	
Lab Control Sample	KWG0803087-3	NA	NA	10ml	10ml	NA	
Duplicate Lab Control Sample	KWG0803087-5	NA	NA	10ml	10ml	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Extracted: 04/03/2008

Extraction Prep Log
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Extraction Lot: KWG0803135
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
KEP-GW-011A-003DL	K0802637-001	03/24/08	03/27/08	10ml	10ml	NA	
Duplicate 1DL	K0802637-002	03/24/08	03/27/08	10ml	10ml	NA	
Method Blank	KWG0803135-4	NA	NA	10ml	10ml	NA	
Batch QC	K0802870-003	NA	NA	10ml	10ml	NA	
Batch QCMS	KWG0803135-1	NA	NA	10ml	10ml	NA	
Batch QCDMS	KWG0803135-2	NA	NA	10ml	10ml	NA	
Lab Control Sample	KWG0803135-3	NA	NA	10ml	10ml	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Organic Analysis:
Volatile Organic Compounds

Validation Package

Organic Analysis:
Volatile Organic Compounds

Validation Package

QC Reports

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
KEP-GW-011A-003	K0802637-001	96	107	100
Duplicate 1	K0802637-002	96	108	99
KEP-GW-010A-003	K0802637-003	95	111	101
Method Blank	KWG0803087-4	93	109	99
Method Blank	KWG0803135-4	96	110	101
Batch QC	K0802870-003	98	110	99
Batch QCMS	KWG0803135-1	100	114	104
Batch QCDMS	KWG0803135-2	100	114	106
Lab Control Sample	KWG0803087-3	100	110	102
Duplicate Lab Control Sample	KWG0803087-5	97	113	104
Lab Control Sample	KWG0803135-3	101	110	105

Surrogate Recovery Control Limits (%)

Sur1 =	Dibromofluoromethane	75-120
Sur2 =	Toluene-d8	80-128
Sur3 =	4-Bromofluorobenzene	75-117

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/02/2008
Time Analyzed: 16:35

Internal Standard Area and RT Summary
Volatile Organic Compounds

File ID: J:\MS13\DATA\040208\0402F003.D
Instrument ID: MS13
Analysis Method: 8260B

Lab Code: KWG0803086-2
Analysis Lot: KWG0803086

		Fluorobenzene		Chlorobenzene-d5		1,4-Dichlorobenzene-d4	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Results ==>	637,814	6.14	271,180	12.05	251,161	15.08
	Upper Limit ==>	1,275,628	6.64	542,360	12.55	502,322	15.58
	Lower Limit ==>	318,907	5.64	135,590	11.55	125,581	14.58
	ICAL Result ==>	470,955	6.14	203,895	12.05	192,865	15.08
Associated Analyses							
Lab Control Sample	KWG0803087-3	657,218	6.14	274,394	12.05	249,568	15.08
Duplicate Lab Control Sample	KWG0803087-5	586,687	6.14	256,599	12.05	240,494	15.08
Method Blank	KWG0803087-4	562,279	6.14	238,880	12.05	219,580	15.08
KEP-GW-011A-003	K0802637-001	611,457	6.14	254,116	12.05	224,911	15.08
Duplicate 1	K0802637-002	598,774	6.14	250,757	12.05	225,107	15.08
KEP-GW-010A-003	K0802637-003	539,035	6.13	233,046	12.05	214,922	15.08

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/03/2008
Time Analyzed: 18:12

Internal Standard Area and RT Summary
Volatile Organic Compounds

File ID: J:\MS13\DATA\040308\0403F003.D
Instrument ID: MS13
Analysis Method: 8260B

Lab Code: KWG0803131-2
Analysis Lot: KWG0803131

		Fluorobenzene		Chlorobenzene-d5		1,4-Dichlorobenzene-d4	
		Area	RT	Area	RT	Area	RT
	Results ==>	506,341	6.14	217,909	12.05	208,103	15.08
	Upper Limit ==>	1,012,682	6.64	435,818	12.55	416,206	15.58
	Lower Limit ==>	253,171	5.64	108,955	11.55	104,052	14.58
	ICAL Result ==>	470,955	6.14	203,895	12.05	192,865	15.08
Associated Analyses							
Lab Control Sample	KWG0803135-3	525,422	6.14	224,731	12.05	210,588	15.08
Batch QCMS	KWG0803135-1	478,071	6.14	214,382	12.05	206,729	15.08
Batch QCDMS	KWG0803135-2	479,094	6.14	210,298	12.05	205,442	15.08
Method Blank	KWG0803135-4	448,231	6.14	193,243	12.05	181,533	15.08
KEP-GW-011A-003DL	K0802637-001	446,862	6.13	195,466	12.05	181,232	15.08
Duplicate 1DL	K0802637-002	496,635	6.14	212,871	12.05	188,793	15.08
Batch QC	K0802870-003	424,444	6.14	186,318	12.05	171,639	15.08

Results flagged with an asterisk (*) indicate values outside control criteria.

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Extracted:**	04/03/2008
Sample Matrix:	Water	**Date Analyzed:**	04/03/2008

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name:	Batch QC	**Units:**	ug/L
Lab Code:	K0802870-003	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG0803135

Analyte Name	Sample Result	Batch QCMS KWG0803135-1 Matrix Spike			Batch QCDMS KWG0803135-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,1-Dichloroethene	ND	10.2	10.0	102	9.58	10.0	96	67-147	7	30
Benzene	ND	9.36	10.0	94	8.78	10.0	88	69-126	6	30
Trichloroethene (TCE)	ND	9.64	10.0	96	9.34	10.0	93	56-137	3	30
Toluene	ND	9.61	10.0	96	9.05	10.0	91	66-128	6	30
Chlorobenzene	ND	9.69	10.0	97	9.41	10.0	94	68-120	3	30
1,2-Dichlorobenzene	ND	9.89	10.0	99	9.60	10.0	96	67-116	3	30
Naphthalene	ND	10.5	10.0	105	10.5	10.0	105	61-137	0	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

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

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Extracted: 04/02/2008
Date Analyzed: 04/02/2008

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0803087

	Lab Control Sample KWG0803087-3 Lab Control Spike			Duplicate Lab Control Sample KWG0803087-5 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane	5.12	10.0	51	5.38	10.0	54	21-156	5	30
Chloromethane	7.30	10.0	73	6.83	10.0	68	45-135	7	30
Vinyl Chloride	7.89	10.0	79	7.71	10.0	77	59-135	2	30
Bromomethane	9.72	10.0	97	8.87	10.0	89	24-144	9	30
Chloroethane	8.73	10.0	87	8.42	10.0	84	60-128	4	30
Trichlorofluoromethane	8.72	10.0	87	8.14	10.0	81	54-129	7	30
Acetone	41.9	50.0	84	41.4	50.0	83	53-129	1	30
1,1-Dichloroethene	10.4	10.0	104	9.54	10.0	95	70-136	8	30
Carbon Disulfide	19.6	20.0	98	18.3	20.0	91	64-129	7	30
Methylene Chloride	9.27	10.0	93	9.27	10.0	93	64-137	0	30
trans-1,2-Dichloroethene	9.64	10.0	96	9.09	10.0	91	70-121	6	30
1,1-Dichloroethane	9.69	10.0	97	9.18	10.0	92	72-122	5	30
2-Butanone (MEK)	46.2	50.0	92	44.1	50.0	88	56-137	5	30
2,2-Dichloropropane	9.90	10.0	99	9.41	10.0	94	48-133	5	30
cis-1,2-Dichloroethene	9.87	10.0	99	9.36	10.0	94	76-125	5	30
Chloroform	9.71	10.0	97	9.28	10.0	93	71-118	5	30
Bromochloromethane	9.97	10.0	100	9.61	10.0	96	72-123	4	30
1,1,1-Trichloroethane (TCA)	9.69	10.0	97	8.97	10.0	90	65-126	8	30
1,1-Dichloropropene	9.72	10.0	97	8.91	10.0	89	71-119	9	30
Carbon Tetrachloride	10.1	10.0	101	9.52	10.0	95	58-133	6	30
1,2-Dichloroethane (EDC)	9.20	10.0	92	8.83	10.0	88	69-125	4	30
Benzene	9.75	10.0	98	9.07	10.0	91	74-118	7	30
Trichloroethene (TCE)	9.84	10.0	98	9.00	10.0	90	71-122	9	30
1,2-Dichloropropane	10.1	10.0	101	9.37	10.0	94	73-123	7	30
Bromodichloromethane	10.1	10.0	101	9.56	10.0	96	72-127	6	30
Dibromomethane	9.89	10.0	99	9.44	10.0	94	71-124	5	30
2-Hexanone	50.8	50.0	102	46.9	50.0	94	44-135	8	30
cis-1,3-Dichloropropene	10.3	10.0	103	9.73	10.0	97	71-125	6	30
Toluene	9.33	10.0	93	9.19	10.0	92	74-117	2	30
trans-1,3-Dichloropropene	9.59	10.0	96	8.81	10.0	88	56-121	8	30
1,1,2-Trichloroethane	10.5	10.0	105	9.51	10.0	95	73-122	10	30
4-Methyl-2-pentanone (MIBK)	45.8	50.0	92	45.2	50.0	90	57-129	1	30
1,3-Dichloropropane	10.5	10.0	105	9.62	10.0	96	74-120	9	30
Tetrachloroethene (PCE)	10.1	10.0	101	9.21	10.0	92	65-121	9	30
Dibromochloromethane	10.6	10.0	106	9.76	10.0	98	67-124	9	30

Results flagged with an asterisk (*) indicate values outside control criteria.

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

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Extracted: 04/02/2008
Date Analyzed: 04/02/2008

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0803087

	Lab Control Sample KWG0803087-3 Lab Control Spike			Duplicate Lab Control Sample KWG0803087-5 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
1,2-Dibromoethane (EDB)	10.6	10.0	106	9.65	10.0	97	71-120	9	30
Chlorobenzene	9.82	10.0	98	9.30	10.0	93	74-115	5	30
1,1,1,2-Tetrachloroethane	10.3	10.0	103	9.40	10.0	94	71-118	9	30
Ethylbenzene	10.3	10.0	103	9.76	10.0	98	71-118	5	30
m,p-Xylenes	20.7	20.0	103	19.9	20.0	99	73-119	4	30
o-Xylene	10.2	10.0	102	9.69	10.0	97	74-120	5	30
Styrene	10.4	10.0	104	9.98	10.0	100	75-123	5	30
Bromoform	10.4	10.0	104	9.21	10.0	92	57-135	12	30
Isopropylbenzene	9.55	10.0	96	9.02	10.0	90	65-110	6	30
1,1,2,2-Tetrachloroethane	11.6	10.0	116	10.4	10.0	104	63-126	10	30
1,2,3-Trichloropropane	9.98	10.0	100	9.13	10.0	91	67-123	9	30
Bromobenzene	10.3	10.0	103	9.72	10.0	97	76-111	6	30
n-Propylbenzene	10.8	10.0	108	10.1	10.0	101	69-122	7	30
2-Chlorotoluene	10.7	10.0	107	9.92	10.0	99	72-120	7	30
4-Chlorotoluene	10.4	10.0	104	9.74	10.0	97	70-118	7	30
1,3,5-Trimethylbenzene	10.7	10.0	107	9.91	10.0	99	70-120	7	30
tert-Butylbenzene	10.7	10.0	107	9.94	10.0	99	72-118	7	30
1,2,4-Trimethylbenzene	11.1	10.0	111	10.3	10.0	103	72-121	8	30
sec-Butylbenzene	11.0	10.0	110	10.5	10.0	105	73-130	5	30
1,3-Dichlorobenzene	10.3	10.0	103	9.71	10.0	97	76-110	6	30
4-Isopropyltoluene	10.5	10.0	105	9.87	10.0	99	67-115	6	30
1,4-Dichlorobenzene	9.87	10.0	99	9.34	10.0	93	74-112	6	30
n-Butylbenzene	11.5	10.0	115	10.9	10.0	109	62-123	5	30
1,2-Dichlorobenzene	10.0	10.0	100	9.51	10.0	95	75-110	5	30
1,2-Dibromo-3-chloropropane	12.4	10.0	124	11.1	10.0	111	49-124	11	30
1,2,4-Trichlorobenzene	10.1	10.0	101	9.43	10.0	94	66-115	7	30
1,2,3-Trichlorobenzene	10.5	10.0	105	9.84	10.0	98	64-120	7	30
Naphthalene	11.8	10.0	118	10.8	10.0	108	58-132	9	30
Hexachlorobutadiene	9.95	10.0	100	9.43	10.0	94	61-124	5	30
1,3,5-Trichlorobenzene	40.7	40.0	102	39.0	40.0	98	46-133	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

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

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Extracted: 04/03/2008
Date Analyzed: 04/03/2008

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0803135

Analyte Name	Lab Control Sample KWG0803135-3 Lab Control Spike Result	Expected	%Rec	%Rec Limits
Dichlorodifluoromethane	10.9	10.0	109	21-156
Chloromethane	8.95	10.0	90	45-135
Vinyl Chloride	8.64	10.0	86	59-135
Bromomethane	9.40	10.0	94	24-144
Chloroethane	8.56	10.0	86	60-128
Trichlorofluoromethane	9.40	10.0	94	54-129
Acetone	43.7	50.0	87	53-129
1,1-Dichloroethene	9.90	10.0	99	70-136
Carbon Disulfide	17.8	20.0	89	64-129
Methylene Chloride	9.10	10.0	91	64-137
trans-1,2-Dichloroethene	9.34	10.0	93	70-121
1,1-Dichloroethane	9.39	10.0	94	72-122
2-Butanone (MEK)	48.7	50.0	97	56-137
2,2-Dichloropropane	9.67	10.0	97	48-133
cis-1,2-Dichloroethene	9.74	10.0	97	76-125
Chloroform	9.96	10.0	100	71-118
Bromochloromethane	10.3	10.0	103	72-123
1,1,1-Trichloroethane (TCA)	9.62	10.0	96	65-126
1,1-Dichloropropene	9.06	10.0	91	71-119
Carbon Tetrachloride	10.4	10.0	104	58-133
1,2-Dichloroethane (EDC)	10.1	10.0	101	69-125
Benzene	9.22	10.0	92	74-118
Trichloroethene (TCE)	9.57	10.0	96	71-122
1,2-Dichloropropane	9.68	10.0	97	73-123
Bromodichloromethane	10.4	10.0	104	72-127
Dibromomethane	10.3	10.0	103	71-124
2-Hexanone	50.4	50.0	101	44-135
cis-1,3-Dichloropropene	9.99	10.0	100	71-125
Toluene	9.03	10.0	90	74-117
trans-1,3-Dichloropropene	9.63	10.0	96	56-121
1,1,2-Trichloroethane	10.5	10.0	105	73-122
4-Methyl-2-pentanone (MIBK)	44.6	50.0	89	57-129
1,3-Dichloropropane	10.4	10.0	104	74-120
Tetrachloroethene (PCE)	9.76	10.0	98	65-121
Dibromochloromethane	11.2	10.0	112	67-124

Results flagged with an asterisk (*) indicate values outside control criteria.

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

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Extracted: 04/03/2008
Date Analyzed: 04/03/2008

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0803135

Analyte Name	Lab Control Sample KWG0803135-3 Lab Control Spike Result	Expected	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	10.4	10.0	104	71-120
Chlorobenzene	9.56	10.0	96	74-115
1,1,1,2-Tetrachloroethane	10.4	10.0	104	71-118
Ethylbenzene	9.76	10.0	98	71-118
m,p-Xylenes	19.9	20.0	99	73-119
o-Xylene	9.92	10.0	99	74-120
Styrene	10.1	10.0	101	75-123
Bromoform	10.5	10.0	105	57-135
Isopropylbenzene	9.19	10.0	92	65-110
1,1,2,2-Tetrachloroethane	11.1	10.0	111	63-126
1,2,3-Trichloropropane	11.1	10.0	111	67-123
Bromobenzene	10.0	10.0	100	76-111
n-Propylbenzene	10.2	10.0	102	69-122
2-Chlorotoluene	10.2	10.0	102	72-120
4-Chlorotoluene	10.2	10.0	102	70-118
1,3,5-Trimethylbenzene	10.3	10.0	103	70-120
tert-Butylbenzene	10.2	10.0	102	72-118
1,2,4-Trimethylbenzene	10.8	10.0	108	72-121
sec-Butylbenzene	10.5	10.0	105	73-130
1,3-Dichlorobenzene	10.1	10.0	101	76-110
4-Isopropyltoluene	10.0	10.0	100	67-115
1,4-Dichlorobenzene	9.82	10.0	98	74-112
n-Butylbenzene	10.9	10.0	109	62-123
1,2-Dichlorobenzene	10.2	10.0	102	75-110
1,2-Dibromo-3-chloropropane	11.0	10.0	110	49-124
1,2,4-Trichlorobenzene	10.3	10.0	103	66-115
1,2,3-Trichlorobenzene	10.4	10.0	104	64-120
Naphthalene	11.4	10.0	114	58-132
Hexachlorobutadiene	10.2	10.0	102	61-124
1,3,5-Trichlorobenzene	41.2	40.0	103	46-133

Results flagged with an asterisk (*) indicate values outside control criteria.

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

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Extracted:**	04/02/2008
Sample Matrix:	Water	**Date Analyzed:**	04/02/2008
		Time Analyzed:	19:58

Method Blank Summary
Volatile Organic Compounds

Sample Name:	Method Blank	**File ID:**	J:\MS13\DATA\040208\0402F010.D
Lab Code:	KWG0803087-4	**Instrument ID:**	MS13
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG0803087

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0803087-3	J:\MS13\DATA\040208\0402F004.D	04/02/08	17:12
Duplicate Lab Control Sample	KWG0803087-5	J:\MS13\DATA\040208\0402F005.D	04/02/08	17:39
KEP-GW-011A-003	K0802637-001	J:\MS13\DATA\040208\0402F013.D	04/02/08	21:20
Duplicate 1	K0802637-002	J:\MS13\DATA\040208\0402F014.D	04/02/08	21:48
KEP-GW-010A-003	K0802637-003	J:\MS13\DATA\040208\0402F015.D	04/02/08	22:15

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Extracted:**	04/03/2008
Sample Matrix:	Water	**Date Analyzed:**	04/03/2008
		Time Analyzed:	20:39

Method Blank Summary
Volatile Organic Compounds

Sample Name:	Method Blank	**File ID:**	J:\MS13\DATA\040308\0403F008.D
Lab Code:	KWG0803135-4	**Instrument ID:**	MS13
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG0803135

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0803135-3	J:\MS13\DATA\040308\0403F004.D	04/03/08	18:48
Batch QCMS	KWG0803135-1	J:\MS13\DATA\040308\0403F005.D	04/03/08	19:16
Batch QCDMS	KWG0803135-2	J:\MS13\DATA\040308\0403F006.D	04/03/08	19:44
KEP-GW-011A-003	K0802637-001	J:\MS13\DATA\040308\0403F011.D	04/03/08	22:02
Duplicate 1	K0802637-002	J:\MS13\DATA\040308\0403F012.D	04/03/08	22:29
Batch QC	K0802870-003	J:\MS13\DATA\040308\0403F019.D	04/04/08	01:42

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637

Lab Control Sample/Duplicate Lab Control Sample Summary
Volatile Organic Compounds

Sample Name:	Lab Control Sample	**Sample Name:**	Duplicate Lab Control Sample
Lab Code:	KWG0803087-3	**Lab Code:**	KWG0803087-5
File ID:	J:\MS13\DATA\040208\0402F004.D	**File ID:**	J:\MS13\DATA\040208\0402F005.D
Instrument ID:	MS13	**Instrument ID:**	MS13
Date Extracted:	04/02/2008	**Date Extracted:**	04/02/2008
Date Analyzed:	04/02/2008	**Date Analyzed:**	04/02/2008
Time Analyzed:	17:12	**Time Analyzed:**	17:39

Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG0803087

These Lab Control Samples apply to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG0803087-4	J:\MS13\DATA\040208\0402F010.D	04/02/08	19:58
KEP-GW-011A-003	K0802637-001	J:\MS13\DATA\040208\0402F013.D	04/02/08	21:20
Duplicate 1	K0802637-002	J:\MS13\DATA\040208\0402F014.D	04/02/08	21:48
KEP-GW-010A-003	K0802637-003	J:\MS13\DATA\040208\0402F015.D	04/02/08	22:15

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Extracted:**	04/03/2008
Sample Matrix:	Water	**Date Analyzed:**	04/03/2008
		Time Analyzed:	18:48

Lab Control Sample Summary
Volatile Organic Compounds

Sample Name:	Lab Control Sample	**File ID:**	J:\MS13\DATA\040308\0403F004.D
Lab Code:	KWG0803135-3	**Instrument ID:**	MS13
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG0803135

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Batch QCMS	KWG0803135-1	J:\MS13\DATA\040308\0403F005.D	04/03/08	19:16
Batch QCDMS	KWG0803135-2	J:\MS13\DATA\040308\0403F006.D	04/03/08	19:44
Method Blank	KWG0803135-4	J:\MS13\DATA\040308\0403F008.D	04/03/08	20:39
KEP-GW-011A-003	K0802637-001	J:\MS13\DATA\040308\0403F011.D	04/03/08	22:02
Duplicate 1	K0802637-002	J:\MS13\DATA\040308\0403F012.D	04/03/08	22:29
Batch QC	K0802870-003	J:\MS13\DATA\040308\0403F019.D	04/04/08	01:42

Organic Analysis:
Volatile Organic Compounds

Validation Package

Raw Data

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: 03/24/2008
Date Received: 03/27/2008

Volatile Organic Compounds

Sample Name: KEP-GW-011A-003
Lab Code: K0802637-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
Chloromethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Vinyl Chloride	ND	U	0.50	0.042	1	04/02/08	04/02/08	KWG0803087	
Bromomethane	ND	U	0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
Chloroethane	ND	U	0.50	0.23	1	04/02/08	04/02/08	KWG0803087	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Acetone	ND	U	20	4.1	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethene	**94**	D	2.5	0.61	5	04/03/08	04/03/08	KWG0803135	
Carbon Disulfide	ND	U	0.50	0.16	1	04/02/08	04/02/08	KWG0803087	
Methylene Chloride	ND	U	2.0	0.20	1	04/02/08	04/02/08	KWG0803087	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethane	**3.7**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
2-Butanone (MEK)	ND	U	20	2.3	1	04/02/08	04/02/08	KWG0803087	
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/02/08	04/02/08	KWG0803087	
cis-1,2-Dichloroethene	**0.23**	J	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Chloroform	**0.94**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromochloromethane	ND	U	0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
1,1,1-Trichloroethane (TCA)	**2.3**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloroethane (EDC)	**2.8**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Benzene	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Trichloroethene (TCE)	**0.61**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromodichloromethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Dibromomethane	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
2-Hexanone	ND	U	20	4.0	1	04/02/08	04/02/08	KWG0803087	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Toluene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/02/08	04/02/08	KWG0803087	
1,1,2-Trichloroethane	**8.8**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: 03/24/2008
Date Received: 03/27/2008

Volatile Organic Compounds

Sample Name: KEP-GW-011A-003
Lab Code: K0802637-001

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
Dibromochloromethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/02/08	04/02/08	KWG0803087	
Chlorobenzene	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Ethylbenzene	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
m,p-Xylenes	ND	U	0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
o-Xylene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Styrene	ND	U	0.50	0.095	1	04/02/08	04/02/08	KWG0803087	
Bromoform	ND	U	0.50	0.28	1	04/02/08	04/02/08	KWG0803087	
Isopropylbenzene	ND	U	2.0	0.11	1	04/02/08	04/02/08	KWG0803087	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/02/08	04/02/08	KWG0803087	
Bromobenzene	ND	U	2.0	0.18	1	04/02/08	04/02/08	KWG0803087	
n-Propylbenzene	ND	U	2.0	0.098	1	04/02/08	04/02/08	KWG0803087	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/02/08	04/02/08	KWG0803087	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
n-Butylbenzene	ND	U	2.0	0.23	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/02/08	04/02/08	KWG0803087	
Naphthalene	ND	U	2.0	0.29	1	04/02/08	04/02/08	KWG0803087	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	03/24/2008
Sample Matrix:	Water	**Date Received:**	03/27/2008

Volatile Organic Compounds

Sample Name:	KEP-GW-011A-003	**Units:**	ug/L
Lab Code:	K0802637-001	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	75-120	04/02/08	Acceptable
Toluene-d8	107	80-128	04/02/08	Acceptable
4-Bromofluorobenzene	100	75-117	04/02/08	Acceptable

Comments:

Exception Report

Data File: J:\MS13\DATA\040208\0402F013.D
Lab ID: K0802637-001
RunType: SMPL
Matrix: WATER

Date Acquired: 04/02/2008 21:20
Date Quantitated: 04/03/2008 15:24
Batch ID: KWG0803086
Analysis Method: 8260B
ListJoinID: LJ8580

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA		x
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Above Highest ICAL Level	1,1-Dichloroethene	101.30	NA	80	See 5X

Primary Review: KB 4/3/08

Secondary Review: HC 04/04/08

Printed: 04/03/2008 16:46:35
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**	III	**Matrix:**	WATER
Prod Code:	8260B VOC_FP	**Collect Date:**	03/24/2008	**Receive Date:**	03/27/2008

Analysis Lot:	KWG0803086	**Prep Lot:**	KWG0803087	**Report Group:**	K0802637
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	698941	**Prep Date:**	04/02/2008		

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:	Volatile Organic Compounds	**Report List ID:**	LJ8580
Tune Ref:	J:\MS13\DATA\040208\0402F002.D	**Method ID:**	MJ119
MB Ref:	J:\MS13\DATA\040208\0402F010.D	**Quant based on Report List**	

Data File:	J:\MS13\DATA\040208\0402F013.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 21:20	**Quant Date:**	04/03/2008 15:24	**Vial:**	13
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802637-001			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	6.14	0.00	96	611457	10.00	OK
2	Chlorobenzene-d5	12.05	0.00	82	254116	10.00	OK
3	1,4-Dichlorobenzene-d4	15.08	0.00	152	224911	10.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	Dibromofluoromethane	5.13	0.00	0.00	113	129484	9.59	96	75-120	OK	
1	Toluene-d8	9.33	0.00	0.00	98	627964	10.69	107	80-128	OK	
2	4-Bromofluorobenzene	13.71	0.00	0.00	95	225290	9.95	100	75-117	OK	

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane	1.20		0.00	85	2458	0.1600	0.17	U	
1	Chloromethane				50	0d		0.14	U	
1	Vinyl Chloride				62	0		0.042	U	
1	Bromomethane				96	0		0.22	U	
1	Chloroethane				64	0		0.23	U	
1	Trichlorofluoromethane				101	0		0.14	U	
1	1,1-Dichloroethene	2.40		0.00	96	1219733	101.30	100	E	
1	Acetone	2.52		0.00	43	6370	3.01	4.1	U	
1	Carbon Disulfide				76	0d		0.16	U	
1	Methylene Chloride				84	0		0.20	U	
1	trans-1,2-Dichloroethene				96	0		0.15	U	
1	1,1-Dichloroethane	3.68		0.00	63	100638	3.70	3.7		
1	2,2-Dichloropropane				77	0		0.18	U	
1	cis-1,2-Dichloroethene	4.42	-0.02	0.00	96	3802	0.2300	0.23	J	
1	2-Butanone (MEK)				72	0		2.3	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040208\0402F013.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 21:20	**Quant Date:**	04/03/2008 15:24	**Vial:**	13
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802637-001			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Bromochloromethane				128	0		0.17	U	
1	Chloroform	4.87	-0.02	0.00	83	24563	0.9400	0.94		
1	1,1,1-Trichloroethane (TCA)	5.06	0.01	0.00	97	48130	2.26	2.3		
1	Carbon Tetrachloride	5.21	-0.02	0.00	117	940	0.0600	0.14	U	
1	1,1-Dichloropropene				75	0		0.15	U	
1	Benzene	5.61	-0.01	0.00	78	4092	0.0600	0.14	U	
1	1,2-Dichloroethane (EDC)	5.81		0.00	62	53976	2.80	2.8		
1	Trichloroethene (TCE)	6.75		0.00	95	9227	0.6100	0.61		
1	1,2-Dichloropropane				63	0		0.14	U	
1	Dibromomethane				93	0		0.12	U	
1	Bromodichloromethane				83	0		0.11	U	
1	cis-1,3-Dichloropropene				75	0		0.11	U	
1	4-Methyl-2-pentanone (MIBK)				58	0**d**		2.7	U	
1	Toluene				92	0		0.11	U	
2	trans-1,3-Dichloropropene				75	0		0.090	U	
2	1,1,2-Trichloroethane	10.58		0.00	83	72371	8.83	8.8		
2	Tetrachloroethene (PCE)	10.53	-0.01	0.00	164	1143	0.0900	0.13	U	
2	2-Hexanone				57	0		4.0	U	
2	1,3-Dichloropropane				76	0		0.15	U	
2	Dibromochloromethane				129	0		0.11	U	
2	1,2-Dibromoethane (EDB)				107	0		0.099	U	
2	Chlorobenzene	12.09		0.00	112	2026	0.0400	0.14	U	
2	Ethylbenzene				106	0		0.13	U	
2	1,1,1,2-Tetrachloroethane				131	0		0.12	U	
2	m,p-Xylenes				106	0		0.22	U	
2	o-Xylene				106	0		0.11	U	
2	Styrene				103	0		0.095	U	
2	Bromoform				173	0		0.28	U	
2	Isopropylbenzene				105	0		0.11	U	
3	1,1,2,2-Tetrachloroethane				83	0		0.14	U	
3	Bromobenzene				156	0		0.18	U	
3	n-Propylbenzene				91	0		0.098	U	
3	1,2,3-Trichloropropane				110	0		0.24	U	
3	2-Chlorotoluene				91	0		0.12	U	
3	1,3,5-Trimethylbenzene				105	0		0.13	U	
3	4-Chlorotoluene				91	0		0.12	U	
3	tert-Butylbenzene				119	0		0.13	U	
3	1,2,4-Trimethylbenzene				105	0		0.15	U	
3	sec-Butylbenzene				105	0		0.13	U	
3	4-Isopropyltoluene				119	0		0.13	U	
3	1,3-Dichlorobenzene				146	0**d**		0.11	U	
3	1,4-Dichlorobenzene	15.11		0.00	146	1315	0.0400	0.12	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040208\0402F013.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 21:20	**Quant Date:**	04/03/2008 15:24	**Vial:**	13
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802637-001			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
3	n-Butylbenzene				91	0		0.23	U	
3	1,2-Dichlorobenzene				146	0d		0.12	U	
3	1,2-Dibromo-3-chloropropane				155	0		1.0	U	
3	1,3,5-Trichlorobenzene	16.58	0.01	0.00	180	1036	0.0500	0.35	U	
3	1,2,4-Trichlorobenzene				180	0		0.22	U	
3	Hexachlorobutadiene				225	0		0.28	U	
3	Naphthalene				128	0		0.29	U	
3	1,2,3-Trichlorobenzene	17.78	0.01	0.00	180	1951	0.1400	0.33	U	

Prep Amount: 10 ml **Dilution:** 1.0
Prep Final Vol: 10 ml **Unit Factor:** 1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

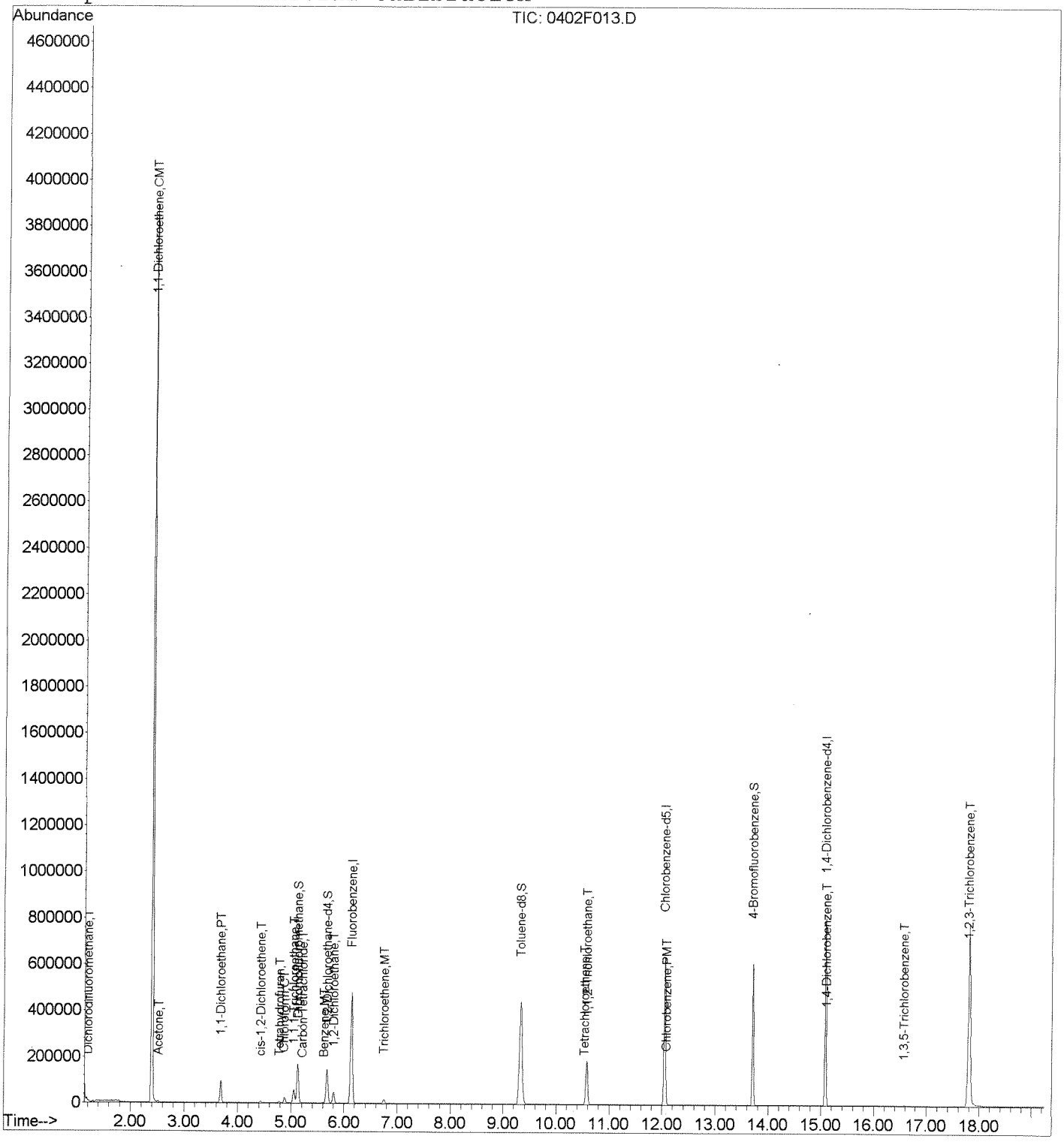
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

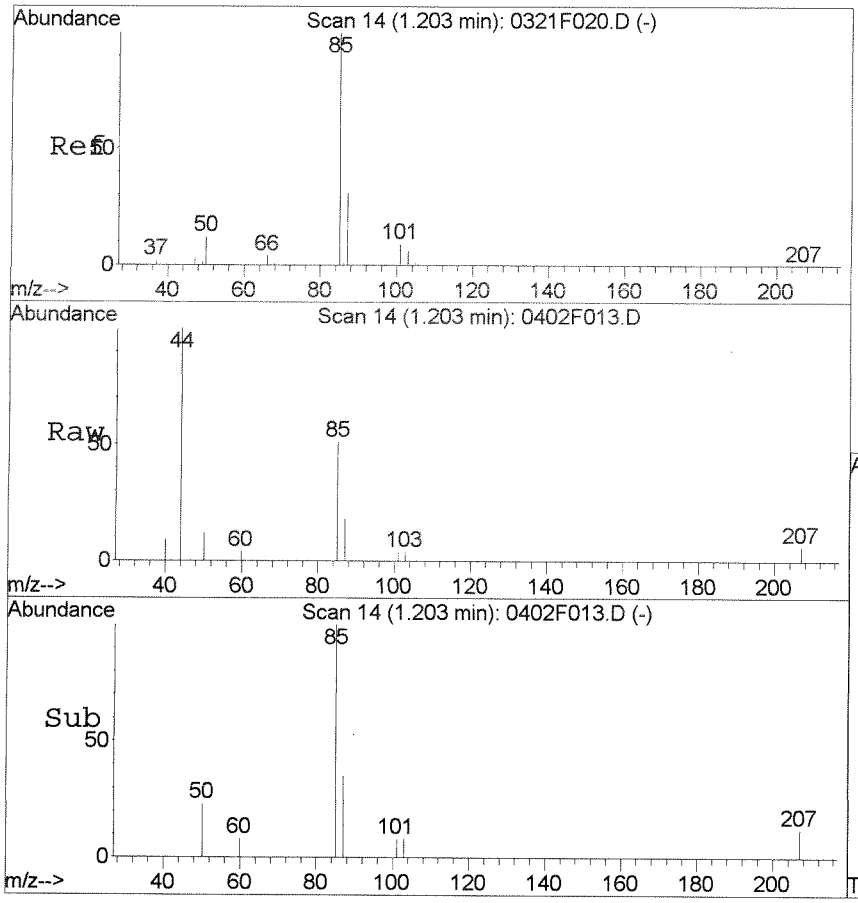
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS13\DATA\040208\0402F013.D Vial: 13
Acq On : 2 Apr 2008 9:20 pm Operator:
Sample : K0802637-001 Inst : MS13
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 3 15:24 2008 Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration

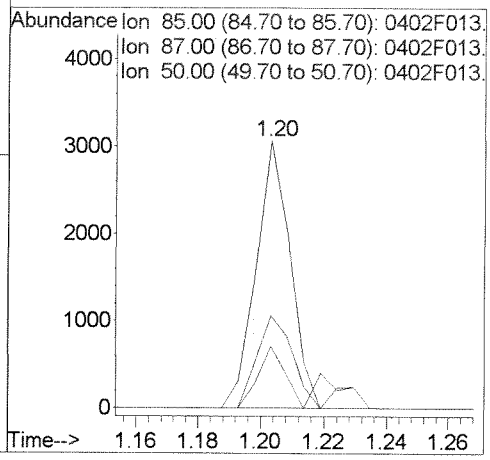


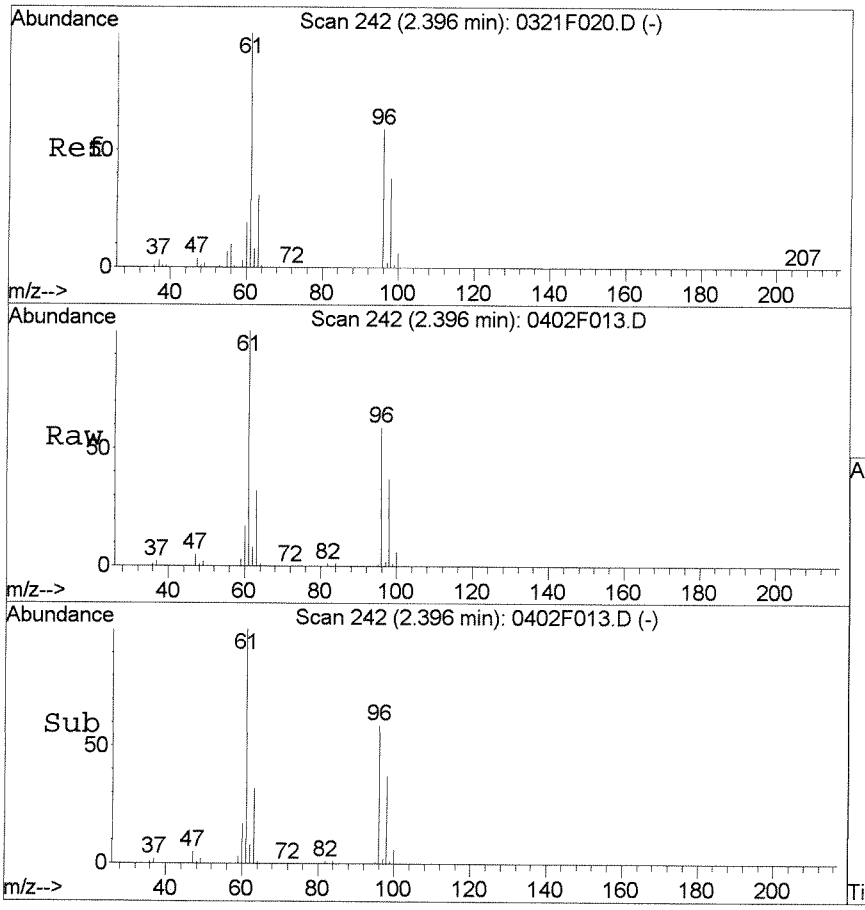


#2
Dichlorodifluoromethane
Concen: 0.16 PPB
RT: 1.20 min Scan# 14
Delta R.T. 0.00 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion: 85 Resp: 2458

Ion	Ratio	Lower	Upper
85	100		
87	34.6	0.5	60.5
50	23.2	0.0	41.9

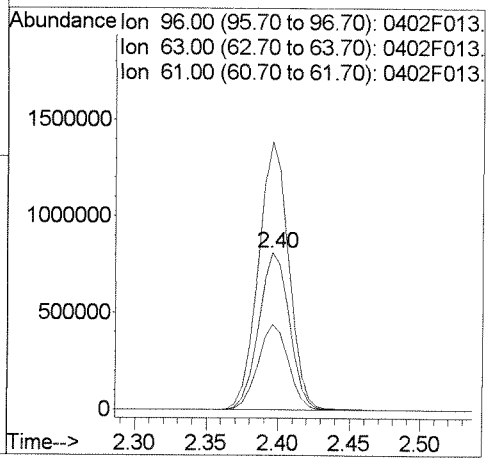


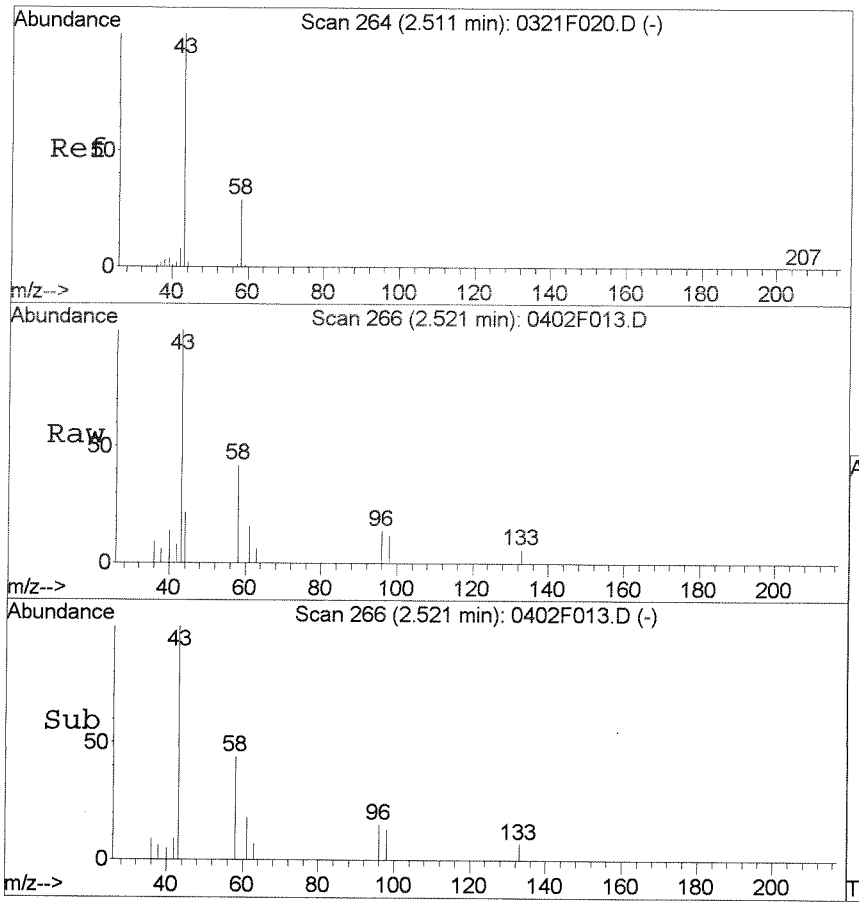


#12
1,1-Dichloroethene
Concen: 101.30 PPB
RT: 2.40 min Scan# 242
Delta R.T. 0.00 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion: 96 Resp: 1219733

Ion	Ratio	Lower	Upper
96	100		
63	54.2	22.2	82.2
61	170.5	139.1	199.1

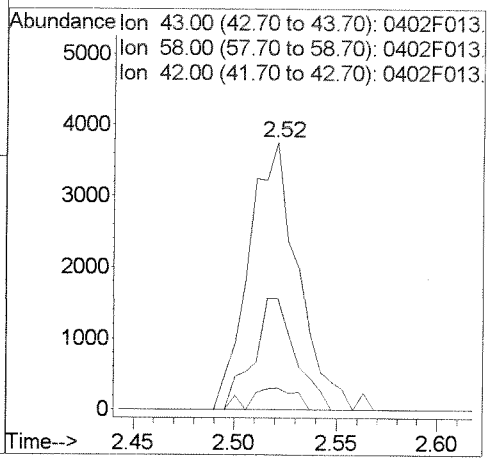


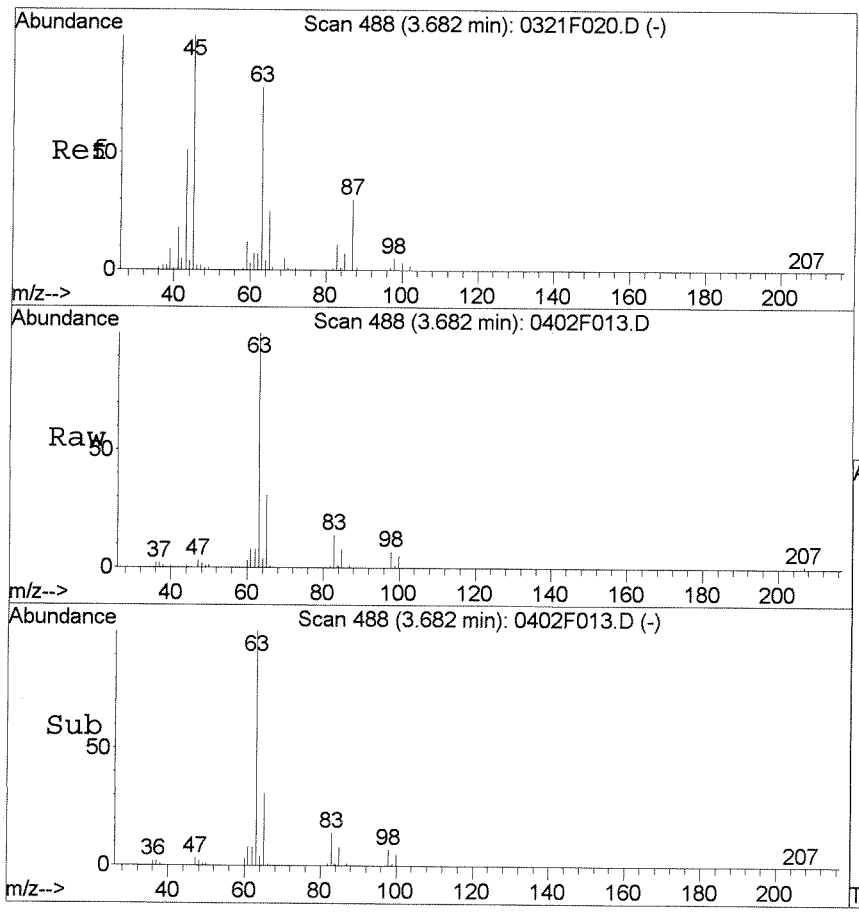


#13
Acetone
Concen: 3.01 PPB
RT: 2.52 min Scan# 266
Delta R.T. 0.01 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion: 43 Resp: 6370

Ion	Ratio	Lower	Upper
43	100		
58	41.5	0.0	59.0
42	8.1	0.0	38.2

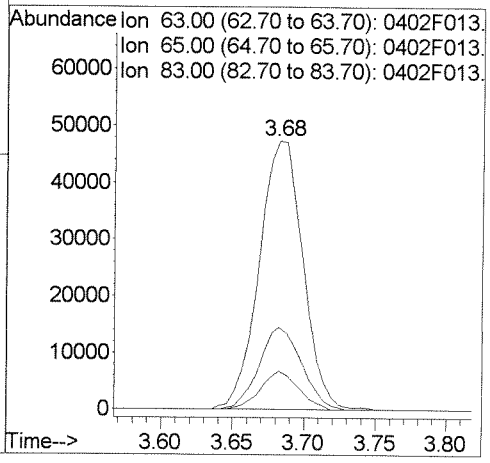


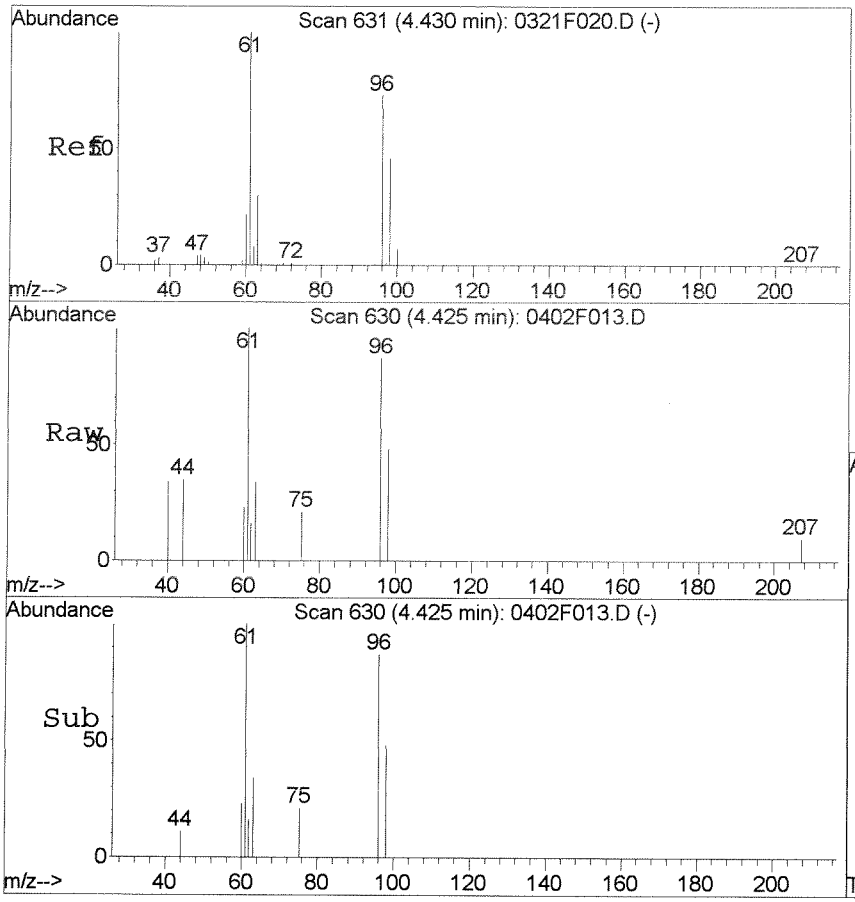


#25
1,1-Dichloroethane
Concen: 3.70 PPB
RT: 3.68 min Scan# 488
Delta R.T. -0.00 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion: 63 Resp: 100638

Ion	Ratio	Lower	Upper
63	100		
65	30.6	2.0	62.0
83	14.3	0.0	43.5

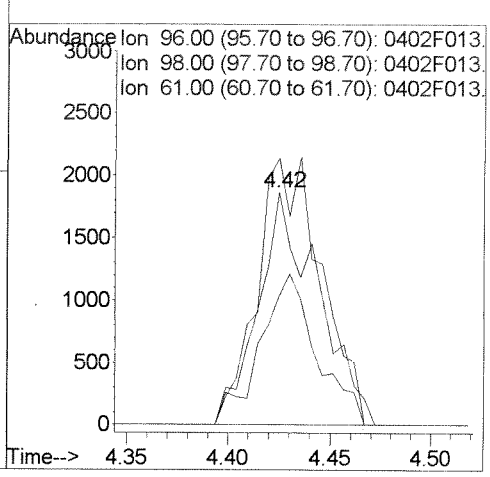


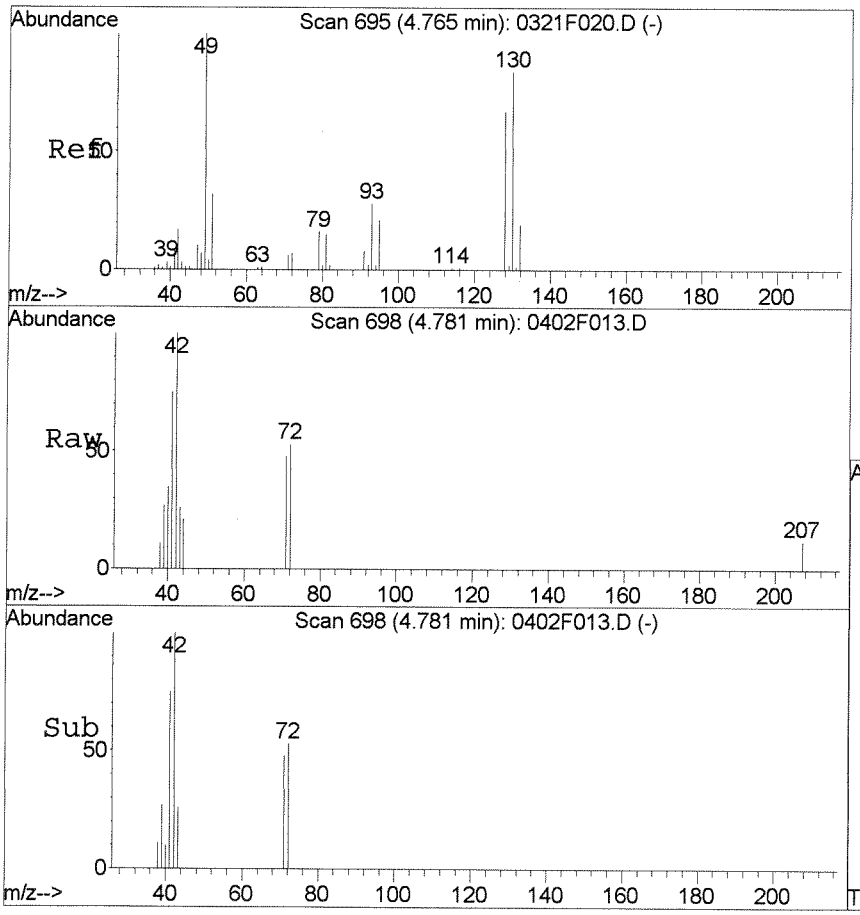


#30
cis-1,2-Dichloroethene
Concen: 0.23 PPB
RT: 4.42 min Scan# 630
Delta R.T. -0.01 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion: 96 Resp: 3802

Ion	Ratio	Lower	Upper
96	100		
98	55.4	33.3	93.3
61	114.6	107.2	167.2

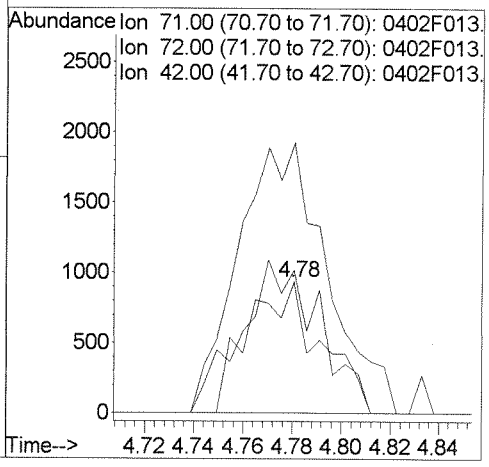


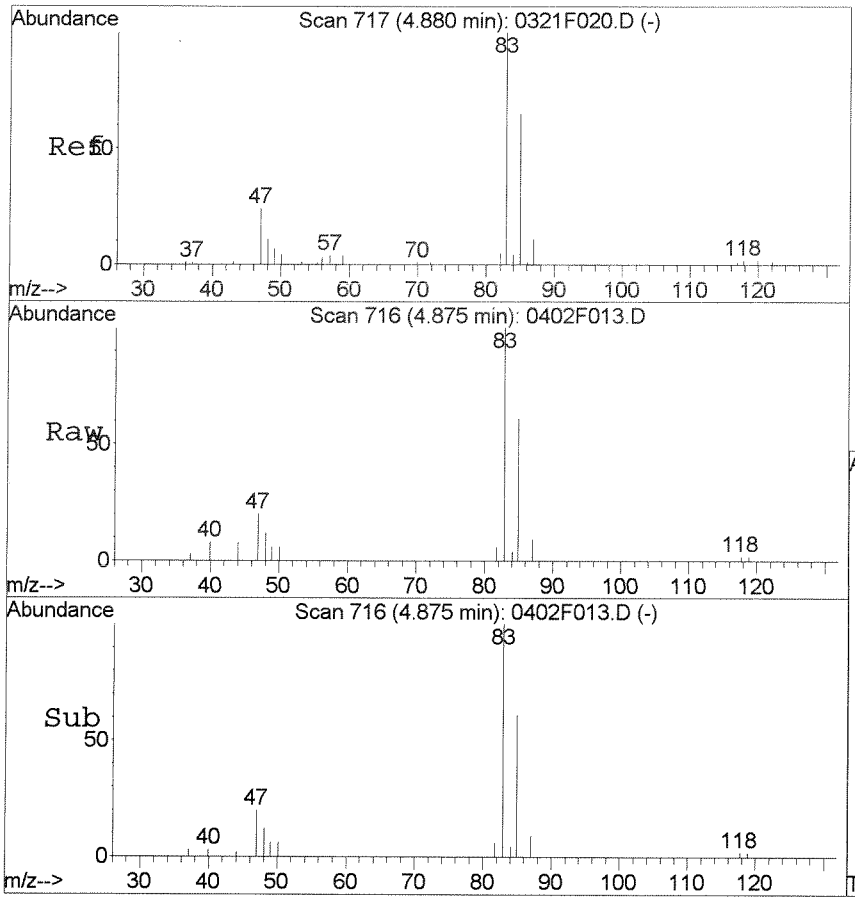


#36
Tetrahydrofuran
Concen: 2.79 PPB
RT: 4.78 min Scan# 698
Delta R.T. 0.02 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion: 71 Resp: 1945

Ion	Ratio	Lower	Upper
71	100		
72	108.9	79.7	139.7
42	170.3	230.0	290.0#

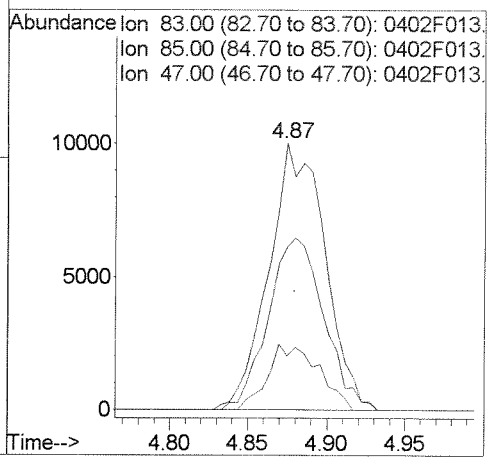


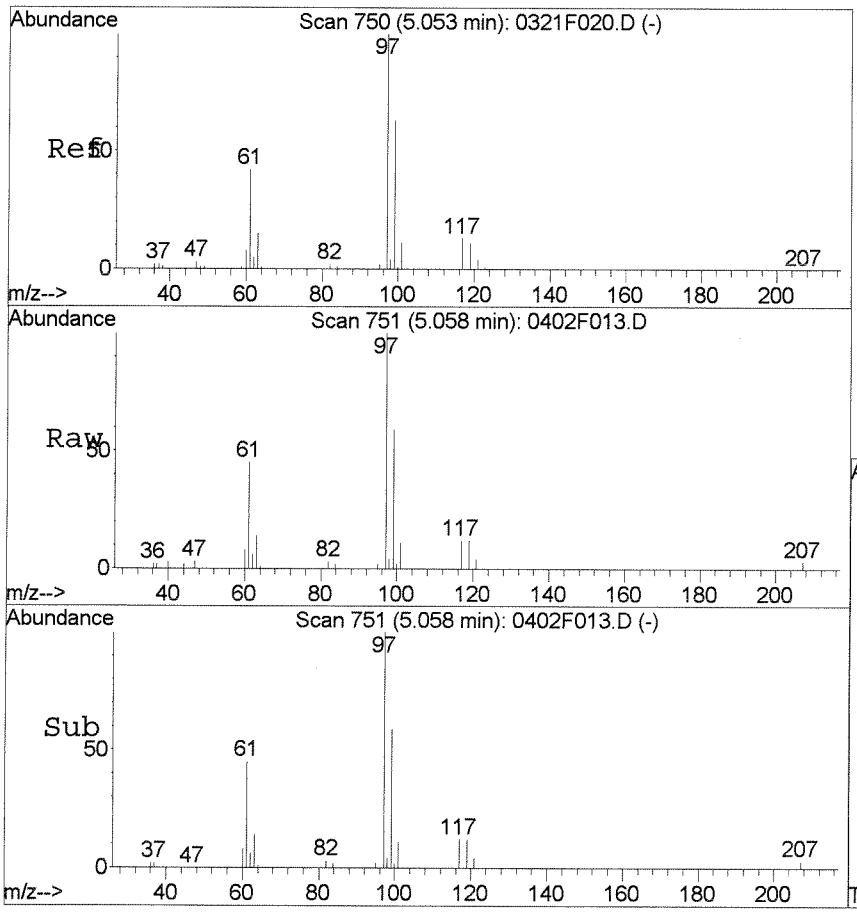


#37
Chloroform
Concen: 0.94 PPB
RT: 4.87 min Scan# 716
Delta R.T. -0.00 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion: 83 Resp: 24563

Ion	Ratio	Lower	Upper
83	100		
85	61.2	35.1	95.1
47	20.2	0.0	53.9

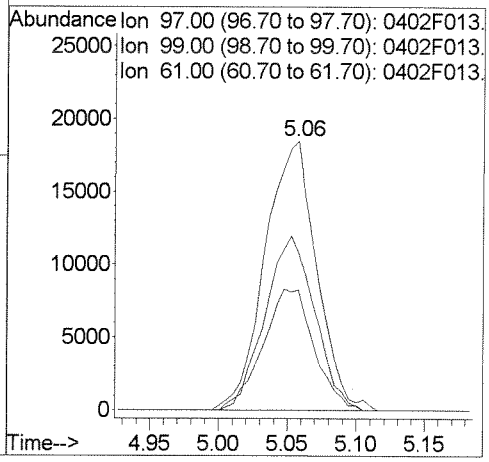


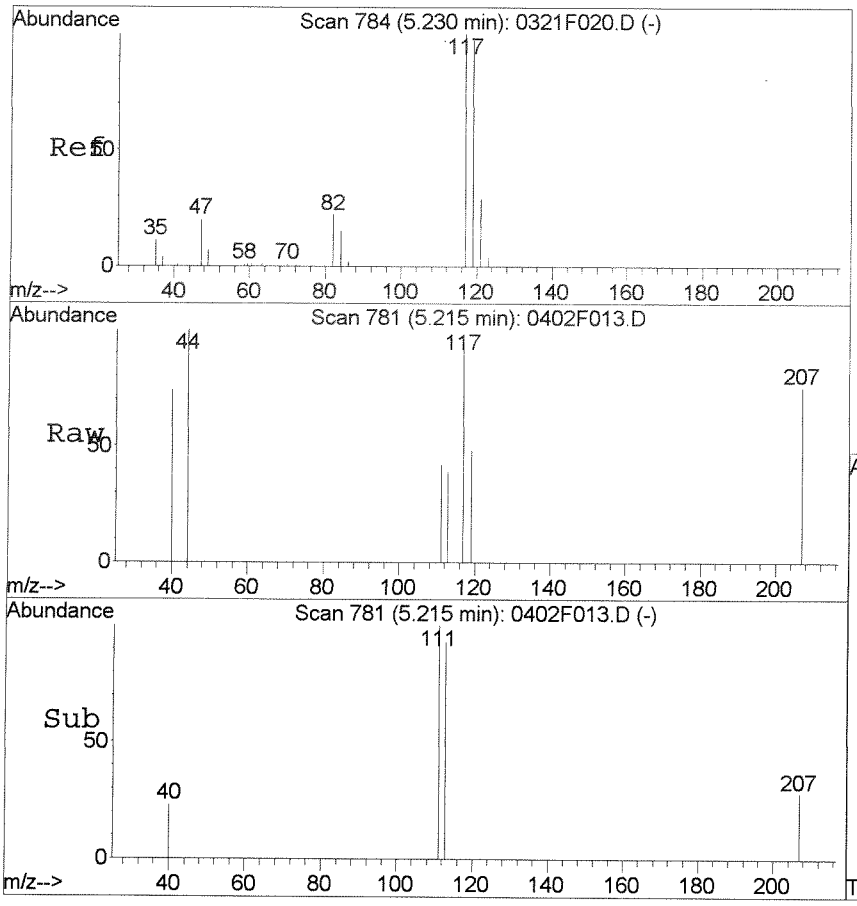


#39
1,1,1-Trichloroethane
Concen: 2.26 PPB
RT: 5.06 min Scan# 751
Delta R.T. 0.01 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion: 97 Resp: 48130

Ion	Ratio	Lower	Upper
97	100		
99	58.5	32.9	92.9
61	44.7	12.1	72.1

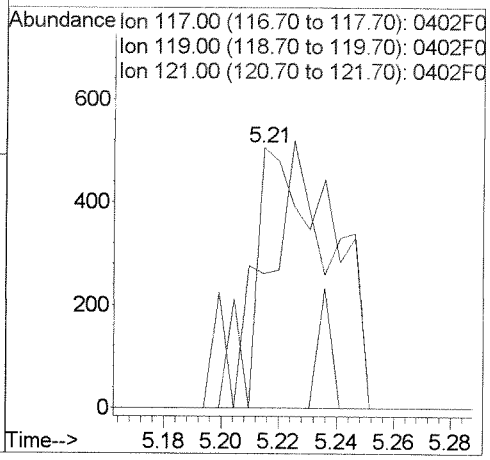


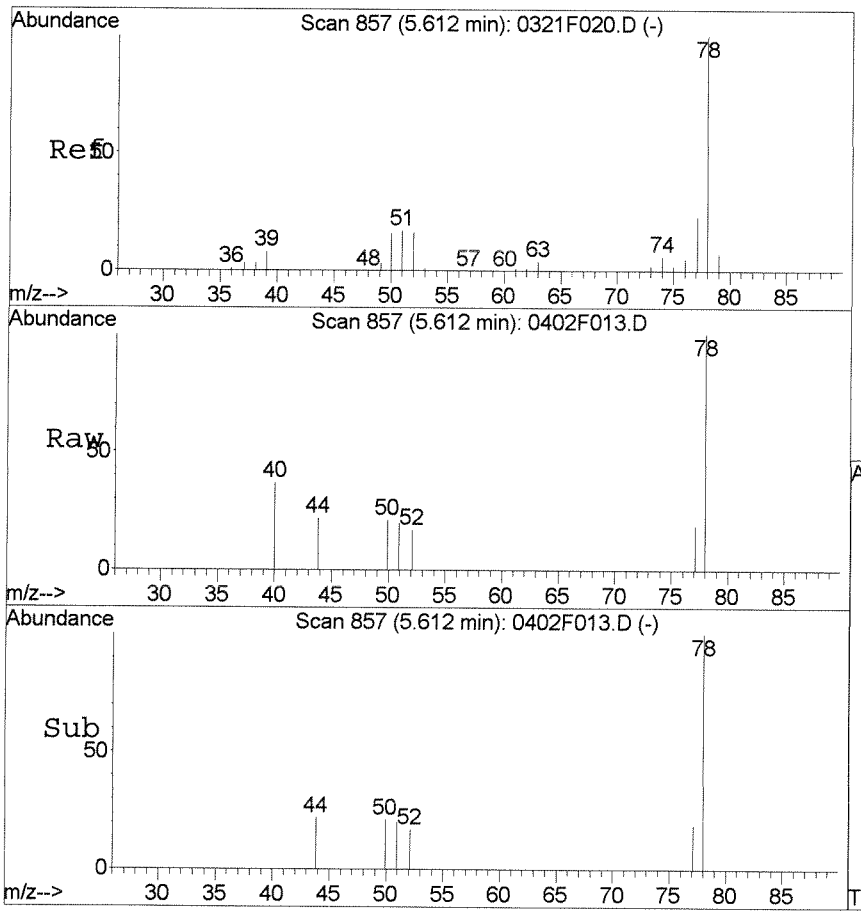


#41
Carbon Tetrachloride
Concen: 0.06 PPB
RT: 5.21 min Scan# 781
Delta R.T. -0.02 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion:117 Resp: 940

Ion	Ratio	Lower	Upper
117	100		
119	51.6	66.8	126.8#
121	0.0	0.0	59.0

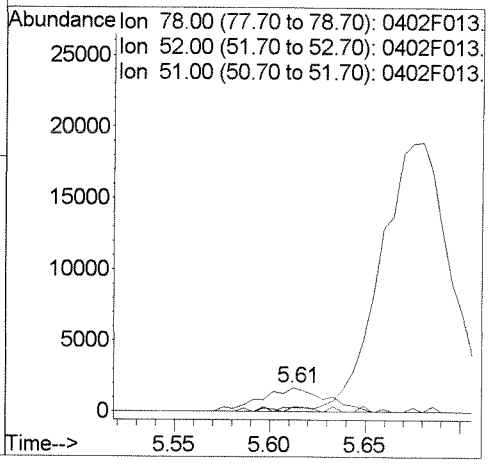


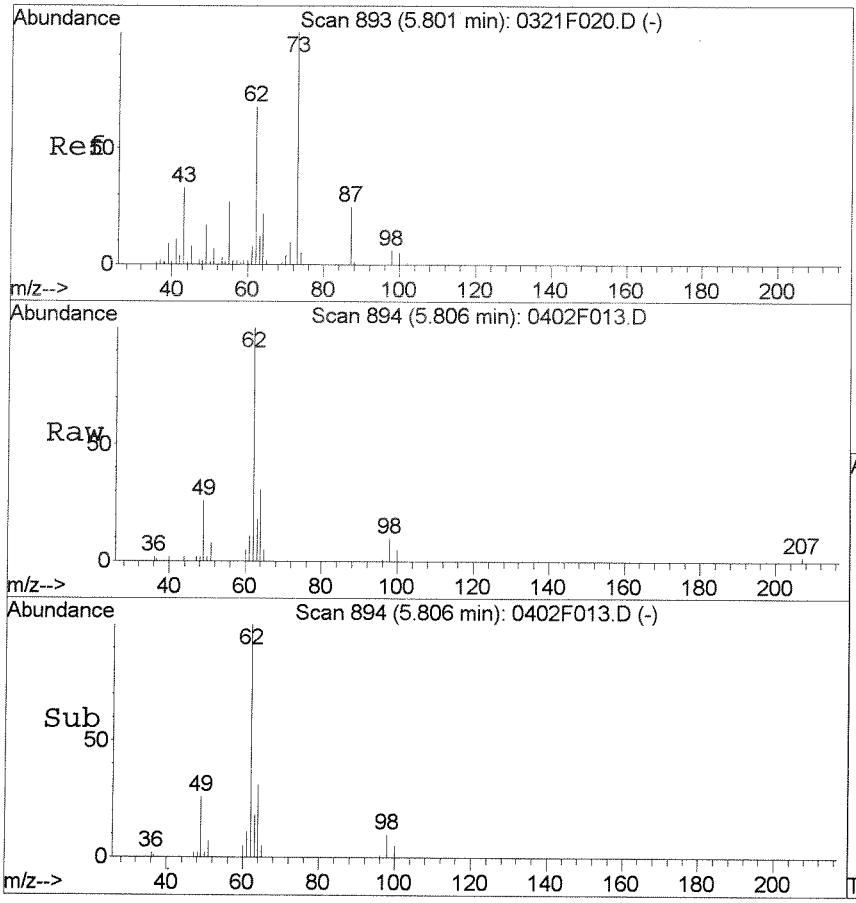


#45
Benzene
Concen: 0.06 PPB
RT: 5.61 min Scan# 857
Delta R.T. 0.00 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion: 78 Resp: 4092

Ion	Ratio	Lower	Upper
78	100		
52	16.9	0.0	46.4
51	20.2	0.0	46.8

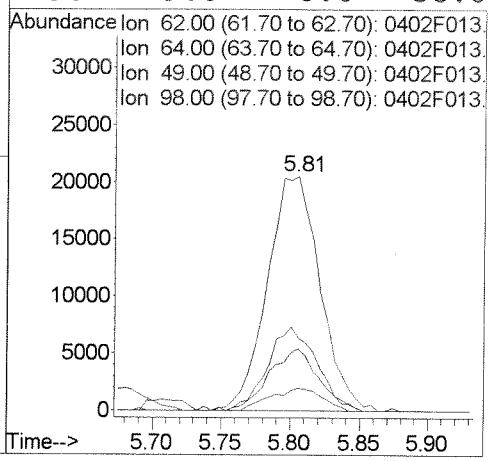


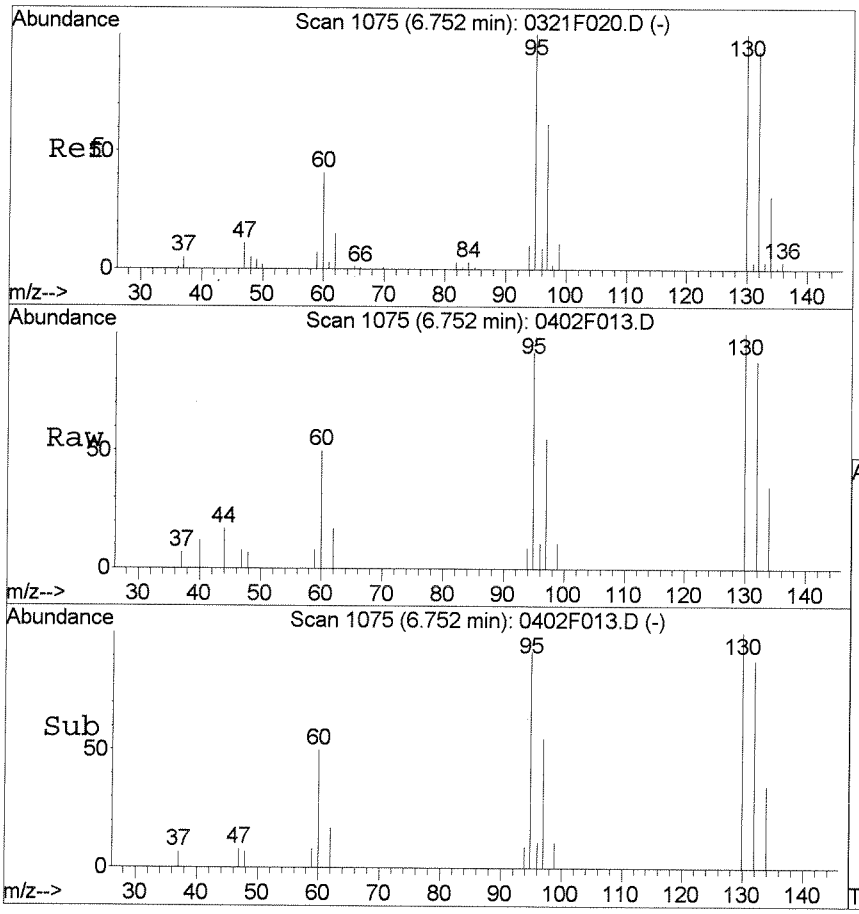


#46
1,2-Dichloroethane
Concen: 2.80 PPB
RT: 5.81 min Scan# 894
Delta R.T. 0.01 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion: 62 Resp: 53976

Ion	Ratio	Lower	Upper
62	100		
64	30.9	3.1	63.1
49	26.3	0.0	55.1
98	9.6	0.0	38.6

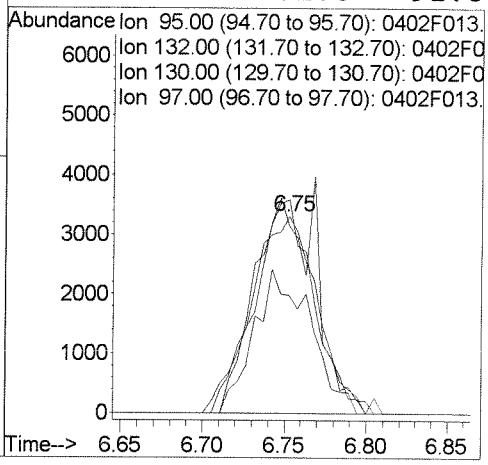


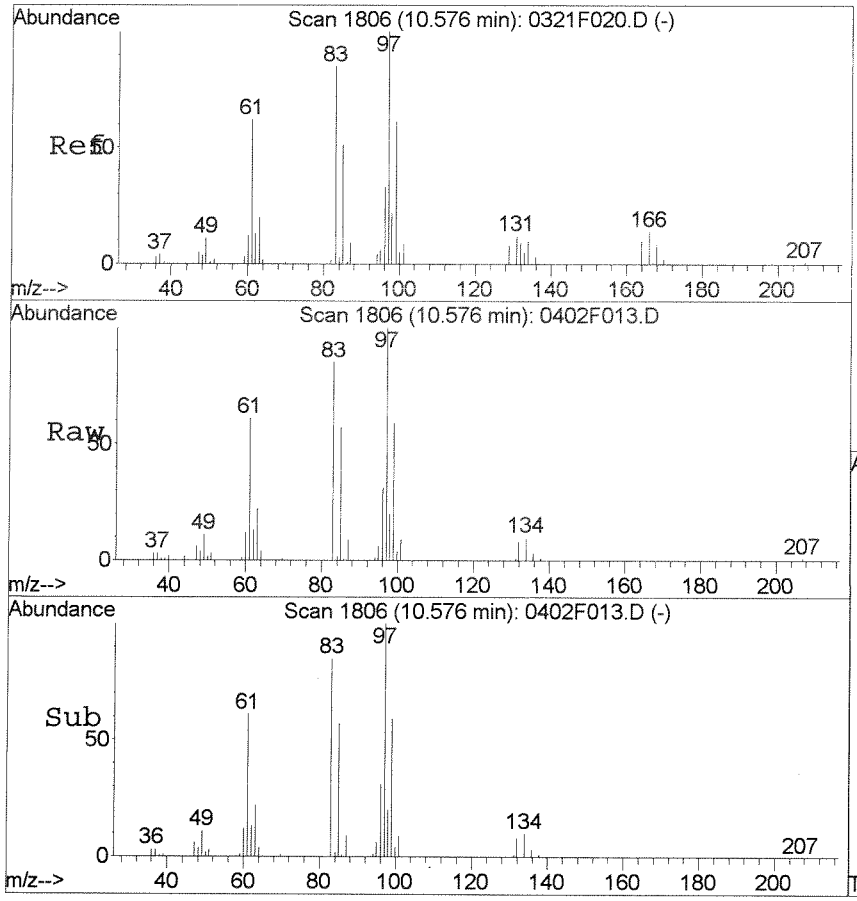


#48
Trichloroethene
Concen: 0.61 PPB
RT: 6.75 min Scan# 1075
Delta R.T. 0.00 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion: 95 Resp: 9227

Ion	Ratio	Lower	Upper
95	100		
132	95.0	63.5	123.5
130	108.4	69.7	129.7
97	59.8	31.8	91.8

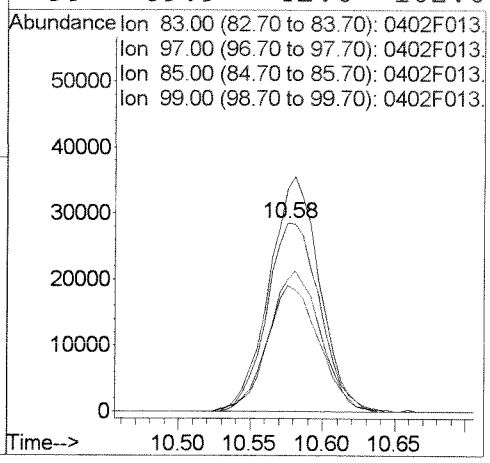


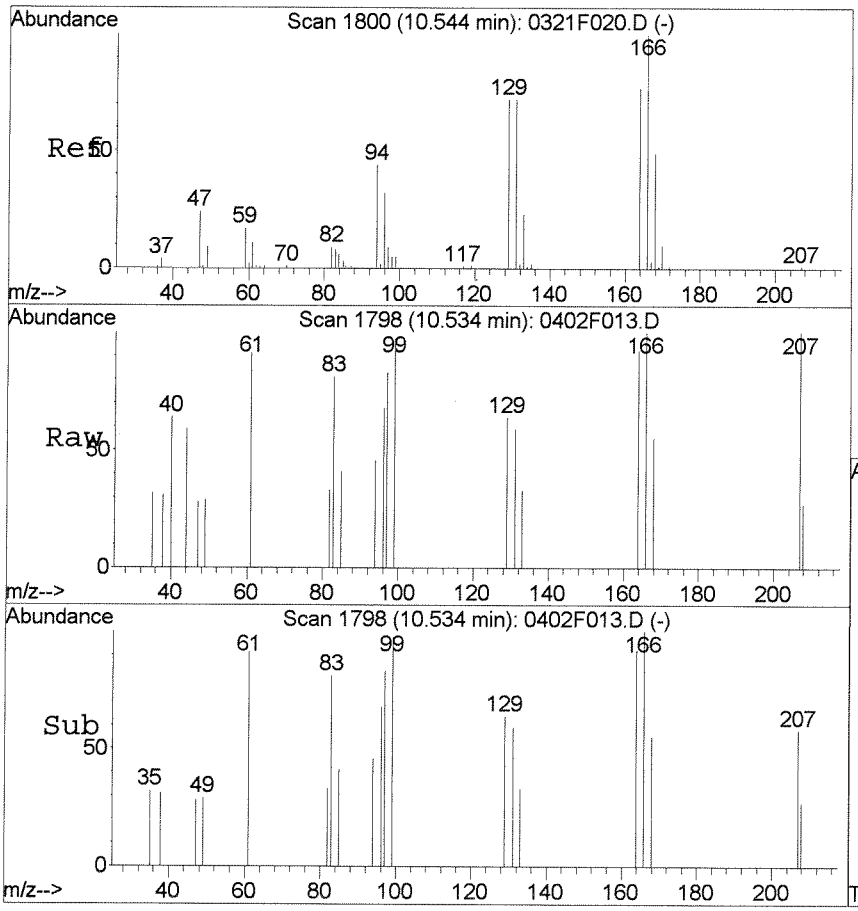


#64
1,1,2-Trichloroethane
Concen: 8.83 PPB
RT: 10.58 min Scan# 1806
Delta R.T. 0.00 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion: 83 Resp: 72371

Ion	Ratio	Lower	Upper
83	100		
97	118.3	87.2	147.2
85	66.9	30.3	90.3
99	69.9	42.0	102.0

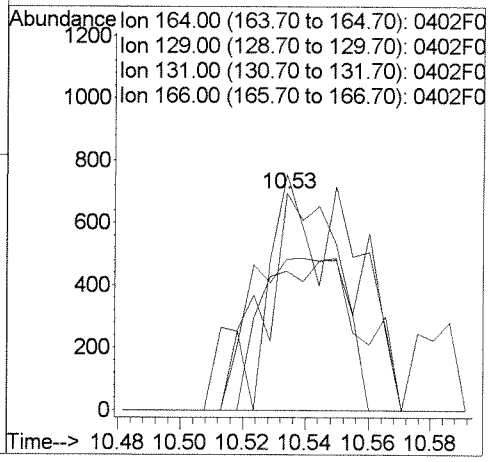


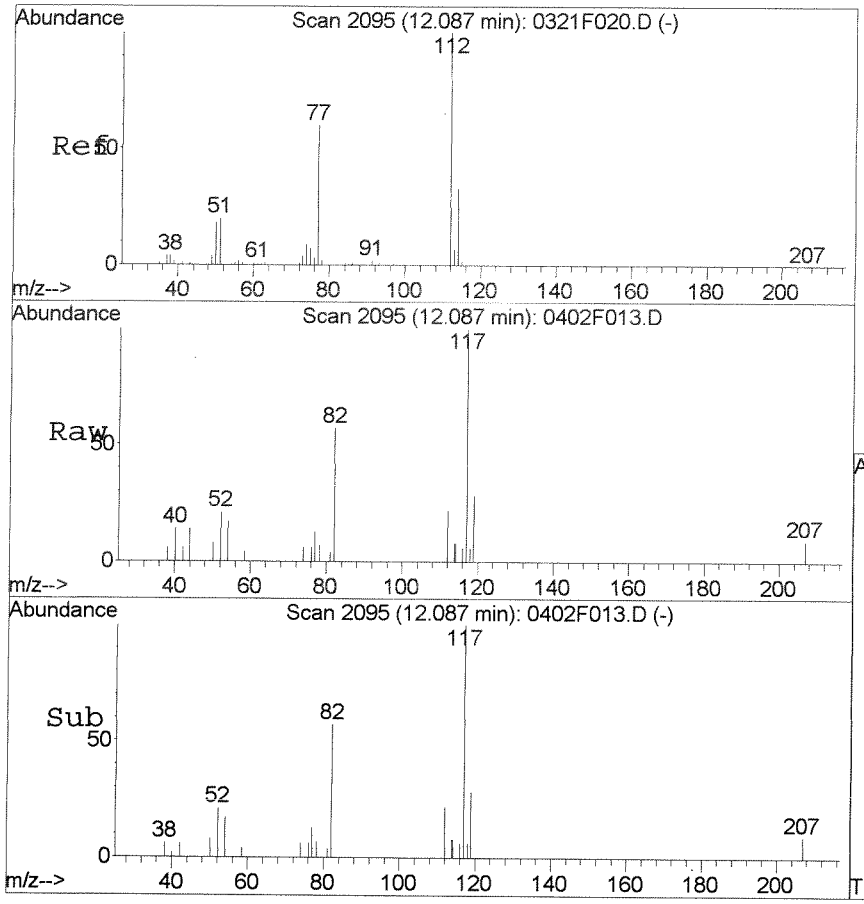


#65
Tetrachloroethene
Concen: 0.09 PPB
RT: 10.53 min Scan# 1798
Delta R.T. -0.01 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion:164 Resp: 1143

Ion	Ratio	Lower	Upper
164	100		
129	69.6	63.6	123.6
131	64.0	63.4	123.4
166	108.6	100.1	160.1

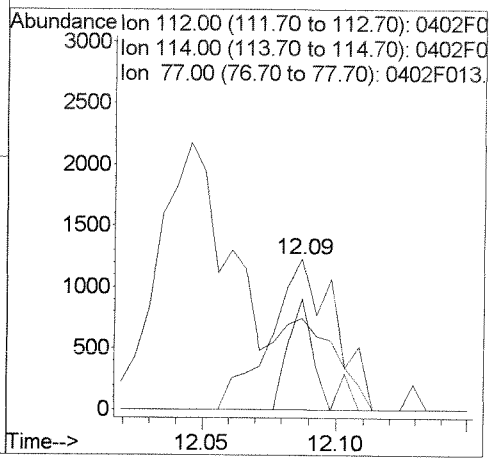


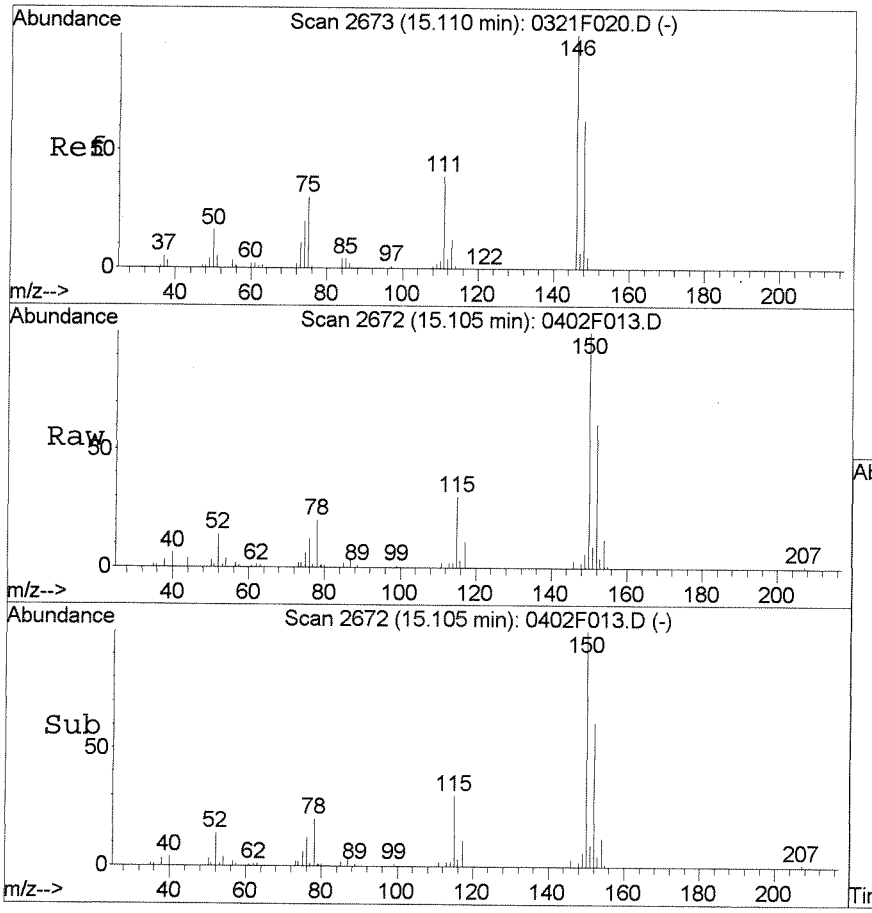


#71
Chlorobenzene
Concen: 0.04 PPB
RT: 12.09 min Scan# 2095
Delta R.T. 0.00 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion:112 Resp: 2026

Ion	Ratio	Lower	Upper
112	100		
114	73.7	2.6	62.6#
77	60.7	29.9	89.9

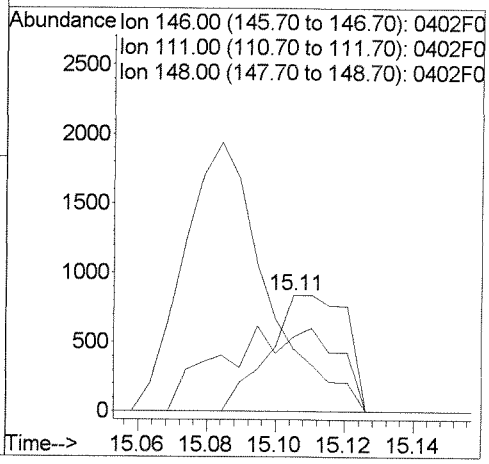


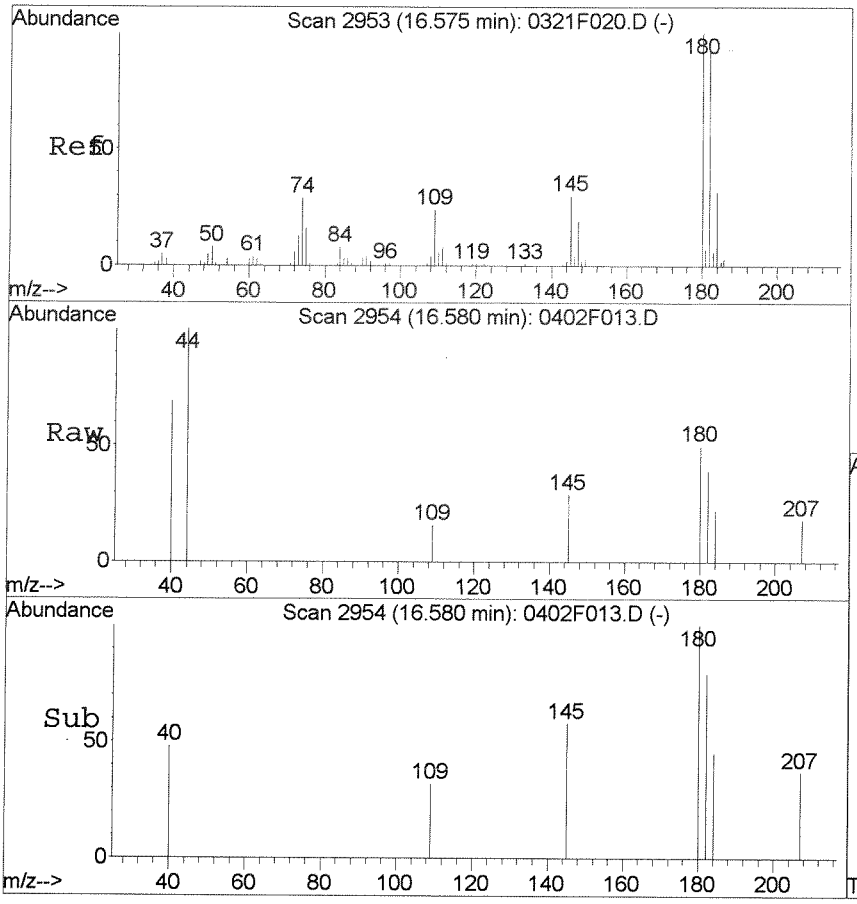


#95
1,4-Dichlorobenzene
Concen: 0.04 PPB
RT: 15.11 min Scan# 2672
Delta R.T. -0.01 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion:146 Resp: 1315

Ion	Ratio	Lower	Upper
146	100		
111	54.0	9.3	69.3
148	64.0	33.1	93.1

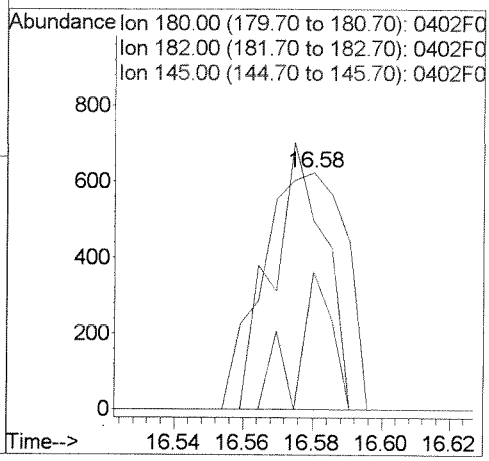


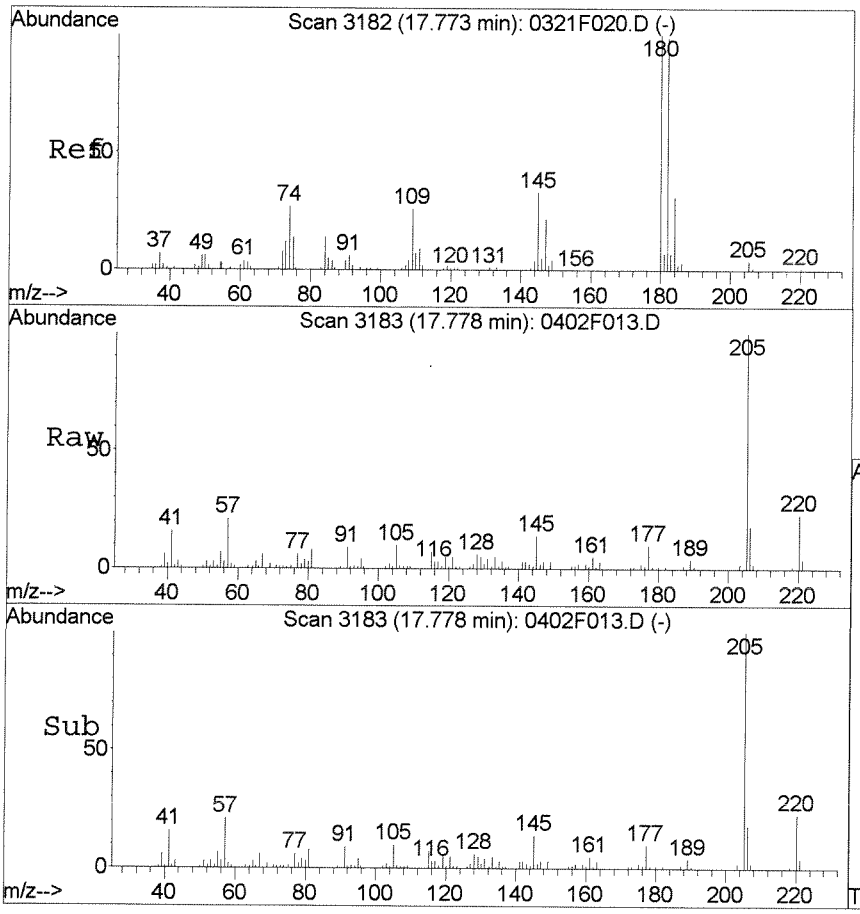


#99
1,3,5-Trichlorobenzene
Concen: 0.05 PPB
RT: 16.58 min Scan# 2954
Delta R.T. 0.01 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion:180 Resp: 1036

Ion	Ratio	Lower	Upper
180	100		
182	79.5	65.8	125.8
145	58.3	0.2	60.2

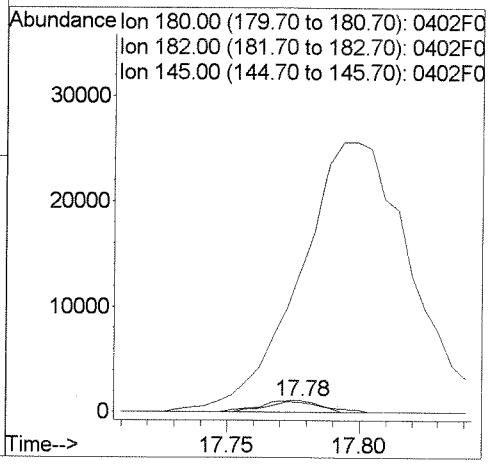




#103
1,2,3-Trichlorobenzene
Concen: 0.14 PPB
RT: 17.78 min Scan# 3183
Delta R.T. 0.01 min
Lab File: 0402F013.D
Acq: 2 Apr 2008 9:20 pm

Tgt Ion:180 Resp: 1951

Ion	Ratio	Lower	Upper
180	100		
182	84.0	68.9	128.9
145	1151.0	2.7	62.7#



Exception Report

Data File: J:\MS13\DATA\040308\0403F011.D
Lab ID: K0802637-001
RunType: DL
Matrix: WATER

Date Acquired: 04/03/2008 22:02
Date Quantitated: 04/03/2008 23:20
Batch ID: KWG0803131
Analysis Method: 8260B
ListJoinID: LJ8580

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

dilution for 11-DCE.

Primary Review: KB 4/4/08

Secondary Review: HC 04/07/08

Quantitation Report

Bottle ID:		**Tier:**	III	**Matrix:**	WATER
Prod Code:	8260B VOC_FP	**Collect Date:**	03/24/2008	**Receive Date:**	03/27/2008

Analysis Lot:	KWG0803131	**Prep Lot:**	KWG0803135	**Report Group:**	K0802637
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	699282	**Prep Date:**	04/03/2008		

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:	Volatile Organic Compounds	**Report List ID:**	LJ8580
Tune Ref:	J:\MS13\DATA\040308\0403F002.D	**Method ID:**	MJ119
MB Ref:	J:\MS13\DATA\040308\0403F008.D	**Quant based on Report List**	

Data File:	J:\MS13\DATA\040308\0403F011.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 22:02	**Quant Date:**	04/03/2008 23:20	**Vial:**	11
Run Type:	DL			**Dilution:**	5.0
Lab ID:	K0802637-001			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	6.13	-0.01	96	446862	10.00	OK
2	Chlorobenzene-d5	12.05	0.00	82	195466	10.00	OK
3	1,4-Dichlorobenzene-d4	15.08	0.00	152	181232	10.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	Dibromofluoromethane	5.12	-0.01	0.00	113	96699	9.80	98	75-120	OK	NR
1	Toluene-d8	9.33	-0.01	0.00	98	471572	10.99	110	80-128	OK	NR
2	4-Bromofluorobenzene	13.71	0.00	0.00	95	174719	10.03	100	75-117	OK	NR

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane	1.20		0.00	85	545	0.0500	0.83	U	NR
1	Chloromethane				50	0		0.68	U	NR
1	Vinyl Chloride				62	0		0.21	U	NR
1	Bromomethane				96	0		1.1	U	NR
1	Chloroethane				64	0		1.2	U	NR
1	Trichlorofluoromethane				101	0		0.66	U	NR
1	1,1-Dichloroethene	2.40		0.00	96	165892	18.85	94	D	
1	Acetone	2.52		0.00	43	4417	2.85	21	U	NR
1	Carbon Disulfide				76	0		0.80	U	NR
1	Methylene Chloride	2.92	-0.01	0.00	84	1635	0.1300	0.97	U	NR
1	trans-1,2-Dichloroethene				96	0		0.72	U	NR
1	1,1-Dichloroethane	3.68		0.00	63	13434	0.6800	3.4	D	NR
1	2,2-Dichloropropane				77	0		0.87	U	NR
1	cis-1,2-Dichloroethene	4.44	0.01	0.00	96	1116	0.0900	0.58	U	NR
1	2-Butanone (MEK)				72	0		12	U	NR

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F011.D		**Instrument:** MS13
Acqu Date:	04/03/2008 22:02	**Quant Date:** 04/03/2008 23:20	**Vial:** 11
Run Type:	DL		**Dilution:** 5.0
Lab ID:	K0802637-001		**Soln Conc. Units:** PPB

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Bromochloromethane				128	0		0.82	U	NR
1	Chloroform	4.89		0.00	83	3697	0.1900	0.95	JD	NR
1	1,1,1-Trichloroethane (TCA)	5.05		0.00	97	6467	0.4200	2.1	JD	NR
1	Carbon Tetrachloride				117	0		0.70	U	NR
1	1,1-Dichloropropene				75	0		0.75	U	NR
1	Benzene				78	0d		0.68	U	NR
1	1,2-Dichloroethane (EDC)	5.80		0.00	62	9488	0.6700	3.4	D	NR
1	Trichloroethene (TCE)	6.74	-0.01	0.00	95	1004	0.0900	0.67	U	NR
1	1,2-Dichloropropane				63	0		0.70	U	NR
1	Dibromomethane				93	0		0.60	U	NR
1	Bromodichloromethane				83	0		0.55	U	NR
1	cis-1,3-Dichloropropene				75	0		0.55	U	NR
1	4-Methyl-2-pentanone (MIBK)				58	0d		14	U	NR
1	Toluene				92	0		0.54	U	NR
2	trans-1,3-Dichloropropene				75	0		0.45	U	NR
2	1,1,2-Trichloroethane	10.58		0.00	83	10425	1.65	8.3	D	NR
2	Tetrachloroethene (PCE)				164	0		0.63	U	NR
2	2-Hexanone				57	0		20	U	NR
2	1,3-Dichloropropane				76	0		0.74	U	NR
2	Dibromochloromethane				129	0		0.52	U	NR
2	1,2-Dibromoethane (EDB)				107	0		0.50	U	NR
2	Chlorobenzene				112	0		0.67	U	NR
2	Ethylbenzene				106	0		0.65	U	NR
2	1,1,1,2-Tetrachloroethane				131	0		0.56	U	NR
2	m,p-Xylenes				106	0		1.1	U	NR
2	o-Xylene				106	0		0.51	U	NR
2	Styrene				103	0		0.48	U	NR
2	Bromoform				173	0		1.4	U	NR
2	Isopropylbenzene				105	0		0.53	U	NR
3	1,1,2,2-Tetrachloroethane				83	0		0.69	U	NR
3	Bromobenzene				156	0		0.86	U	NR
3	n-Propylbenzene				91	0		0.49	U	NR
3	1,2,3-Trichloropropane				110	0		1.2	U	NR
3	2-Chlorotoluene				91	0		0.56	U	NR
3	1,3,5-Trimethylbenzene				105	0		0.61	U	NR
3	4-Chlorotoluene				91	0		0.59	U	NR
3	tert-Butylbenzene				119	0		0.61	U	NR
3	1,2,4-Trimethylbenzene				105	0		0.71	U	NR
3	sec-Butylbenzene				105	0		0.64	U	NR
3	4-Isopropyltoluene				119	0		0.64	U	NR
3	1,3-Dichlorobenzene				146	0		0.51	U	NR
3	1,4-Dichlorobenzene				146	0		0.57	U	NR

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F011.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 22:02	**Quant Date:**	04/03/2008 23:20	**Vial:**	11
Run Type:	DL			**Dilution:**	5.0
Lab ID:	K0802637-001			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
3	n-Butylbenzene				91	0		1.2	U	NR
3	1,2-Dichlorobenzene				146	0		0.56	U	NR
3	1,2-Dibromo-3-chloropropane				155	0		5.0	U	NR
3	1,3,5-Trichlorobenzene	16.57		0.00	180	782	0.0500	1.8	U	NR
3	1,2,4-Trichlorobenzene				180	0		1.1	U	NR
3	Hexachlorobutadiene				225	0		1.4	U	NR
3	Naphthalene				128	0d		1.5	U	NR
3	1,2,3-Trichlorobenzene				180	0		1.7	U	NR

Prep Amount: 10 ml **Dilution:** 5.0
Prep Final Vol: 10 ml **Unit Factor:** 1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

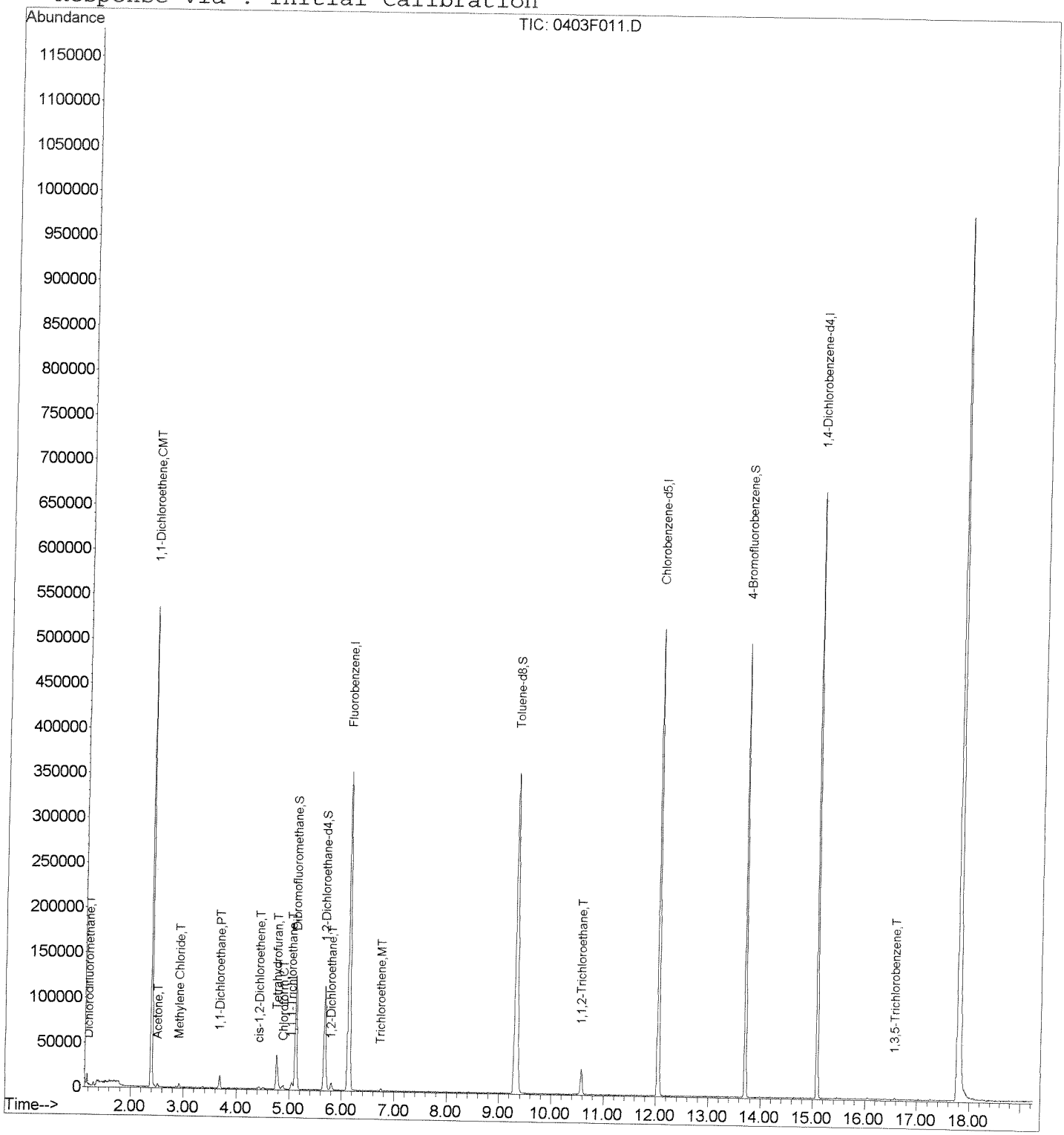
Quantitation Report (QT Reviewed)

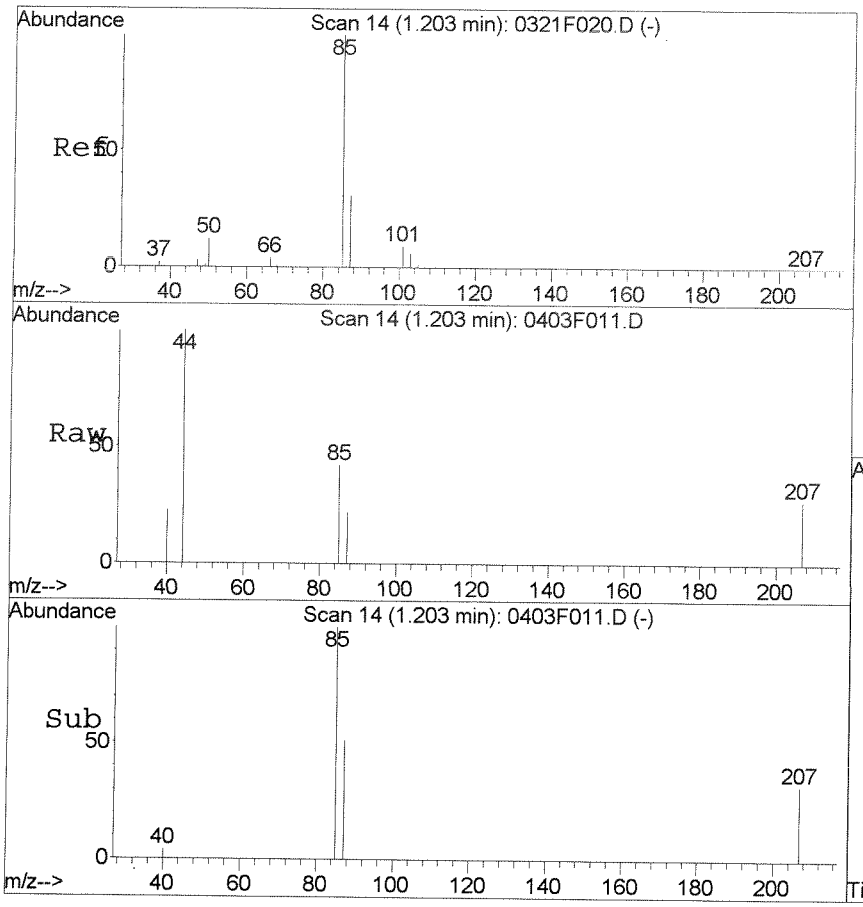
Data File : J:\MS13\DATA\040308\0403F011.D
Acq On : 3 Apr 2008 10:02 pm
Sample : K0802637-001DIL 5X
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 23:20 2008

Vial: 11
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration

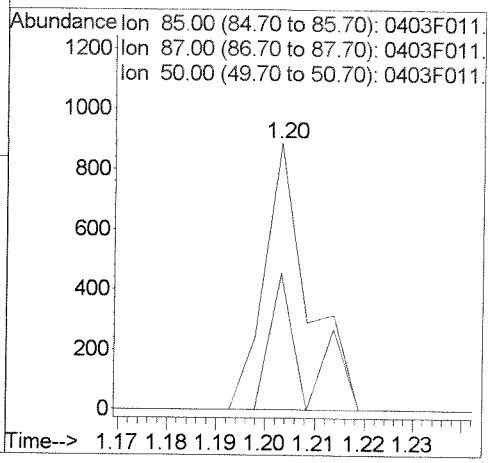


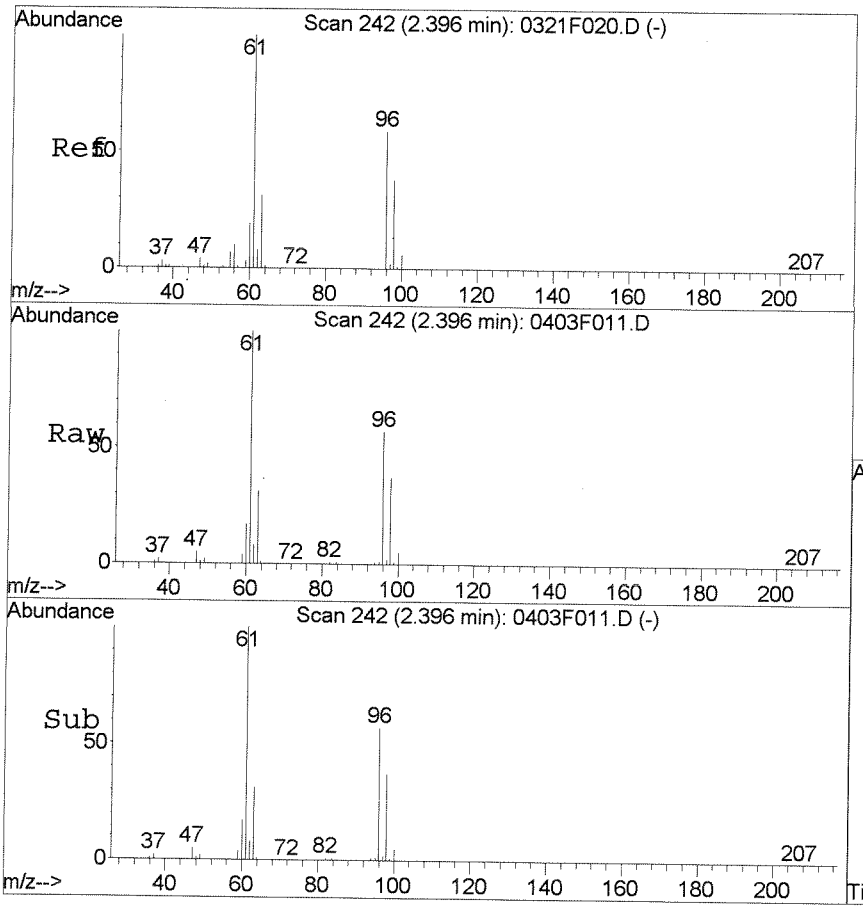


#2
Dichlorodifluoromethane
Concen: 0.05 PPB
RT: 1.20 min Scan# 14
Delta R.T. 0.00 min
Lab File: 0403F011.D
Acq: 3 Apr 2008 10:02 pm

Tgt Ion: 85 Resp: 545

Ion	Ratio	Lower	Upper
85	100		
87	51.3	0.5	60.5
50	0.0	0.0	41.9

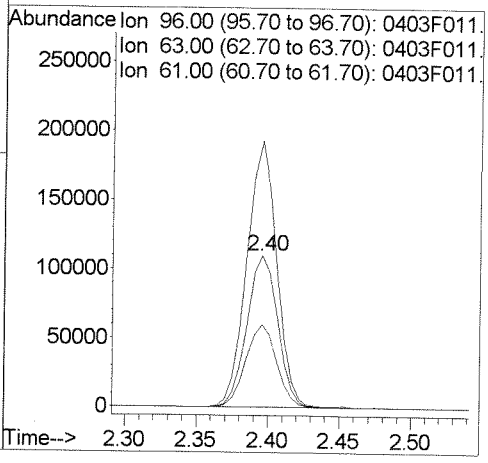


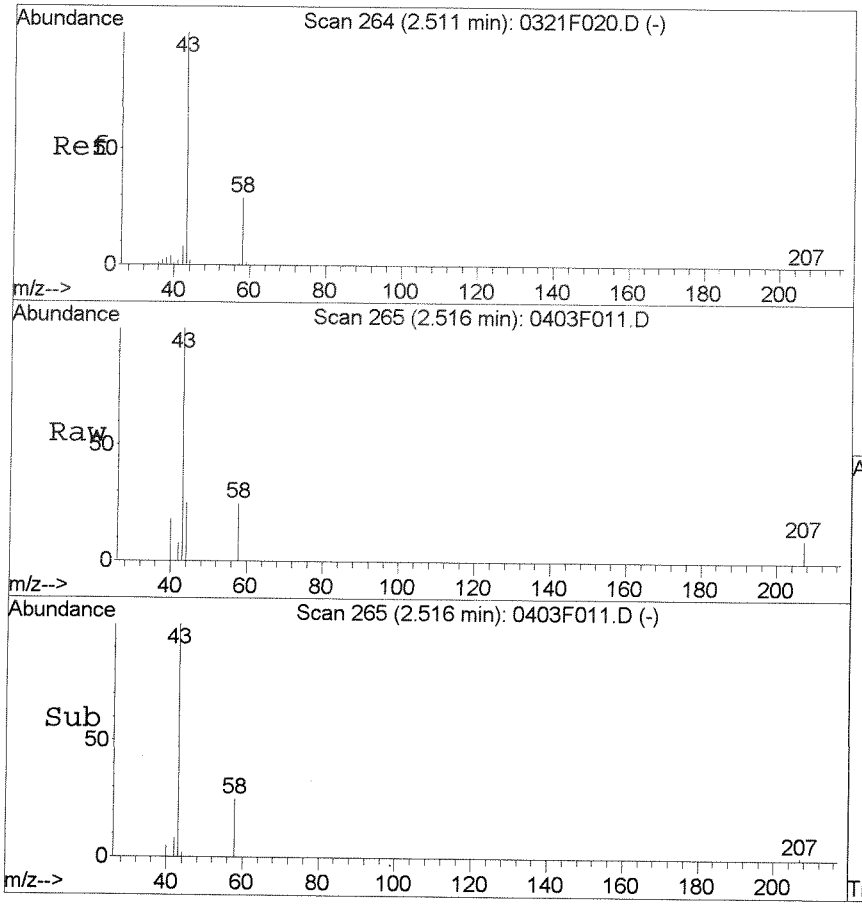


#12
1,1-Dichloroethene
Concen: 18.85 PPB
RT: 2.40 min Scan# 242
Delta R.T. 0.00 min
Lab File: 0403F011.D
Acq: 3 Apr 2008 10:02 pm

Tgt Ion: 96 Resp: 165892

Ion	Ratio	Lower	Upper
96	100		
63	54.4	22.2	82.2
61	175.7	139.1	199.1

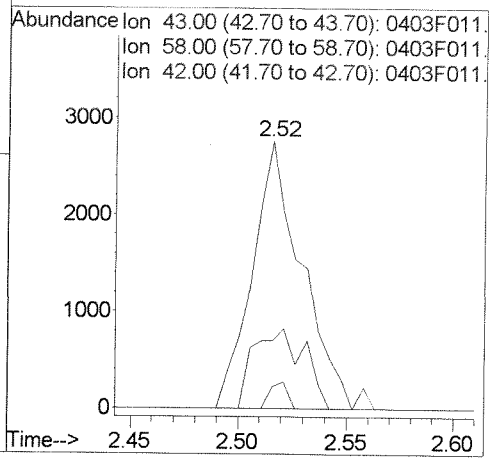


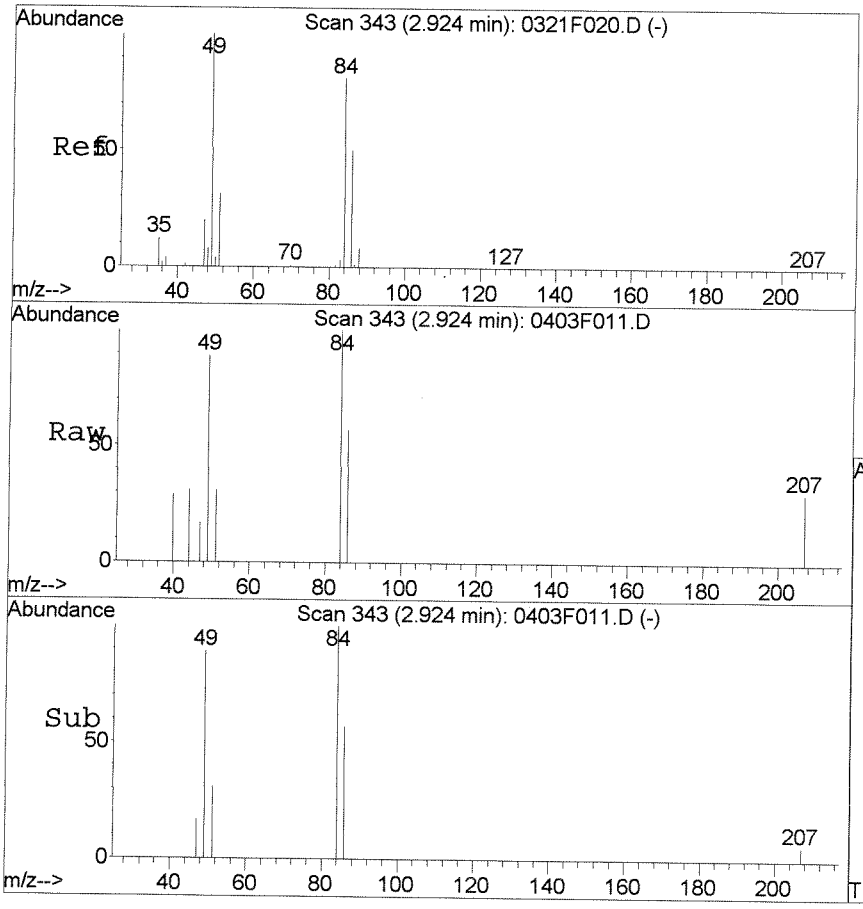


#13
Acetone
Concen: 2.85 PPB
RT: 2.52 min Scan# 265
Delta R.T. 0.01 min
Lab File: 0403F011.D
Acq: 3 Apr 2008 10:02 pm

Tgt Ion: 43 Resp: 4417

Ion	Ratio	Lower	Upper
43	100		
58	25.4	0.0	59.0
42	8.2	0.0	38.2

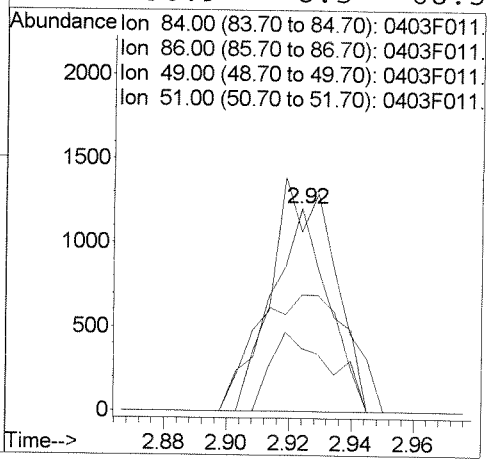


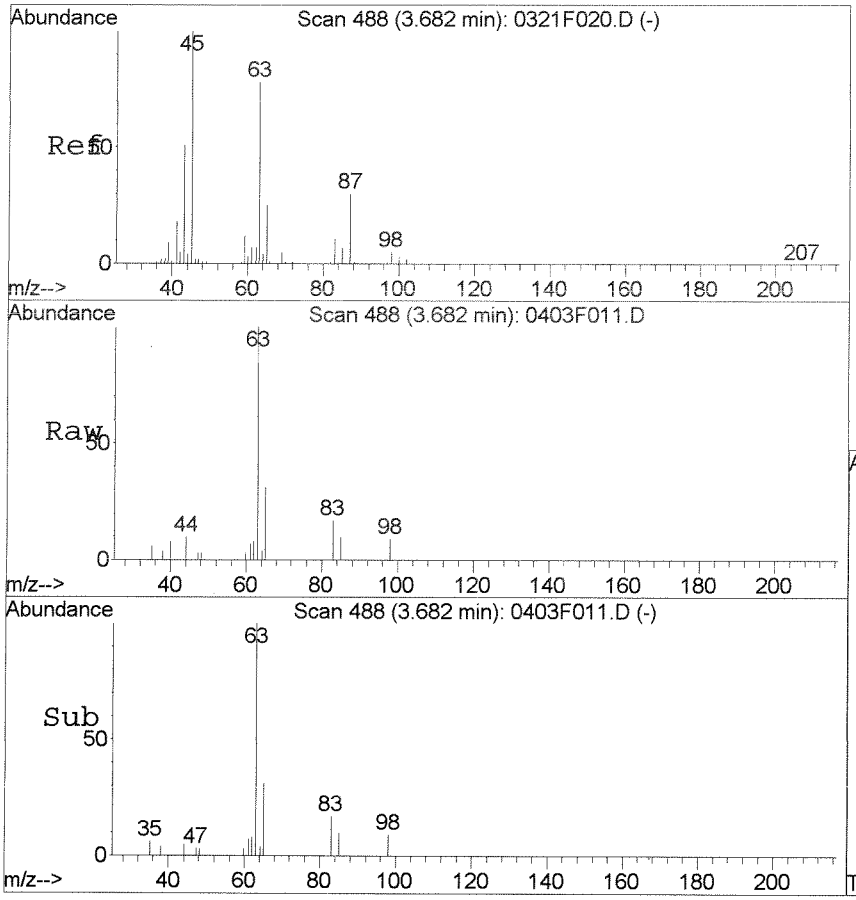


#18
Methylene Chloride
Concen: 0.13 PPB
RT: 2.92 min Scan# 343
Delta R.T. 0.00 min
Lab File: 0403F011.D
Acq: 3 Apr 2008 10:02 pm

Tgt Ion: 84 Resp: 1635

Ion	Ratio	Lower	Upper
84	100		
86	57.3	32.7	92.7
49	88.6	92.8	152.8#
51	30.9	8.5	68.5

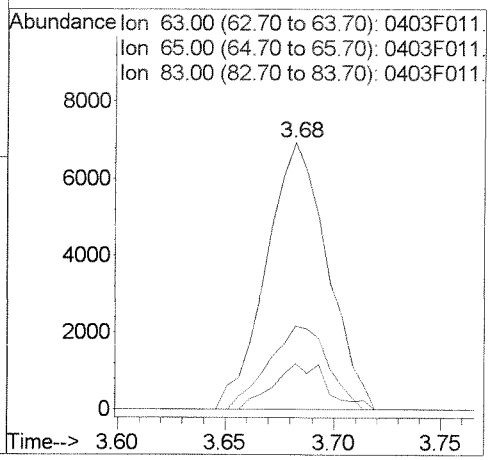


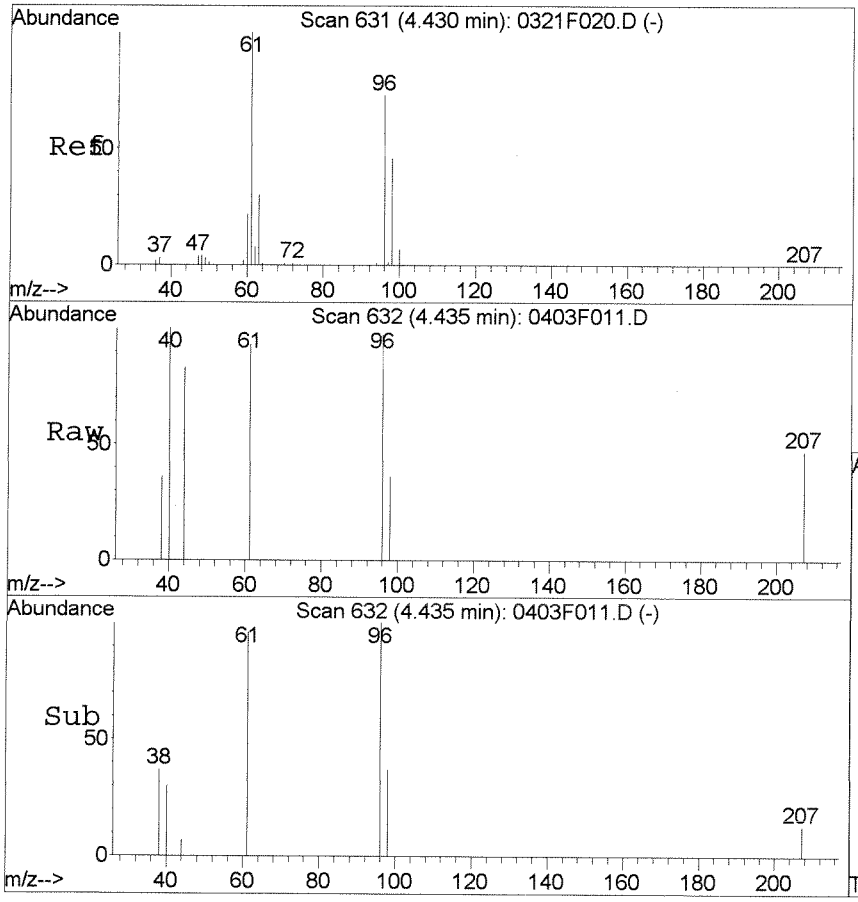


#25
1,1-Dichloroethane
Concen: 0.68 PPB
RT: 3.68 min Scan# 488
Delta R.T. -0.00 min
Lab File: 0403F011.D
Acq: 3 Apr 2008 10:02 pm

Tgt Ion: 63 Resp: 13434

Ion	Ratio	Lower	Upper
63	100		
65	31.3	2.0	62.0
83	17.1	0.0	43.5

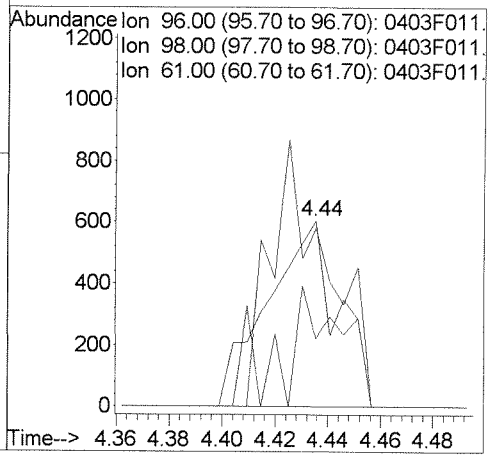


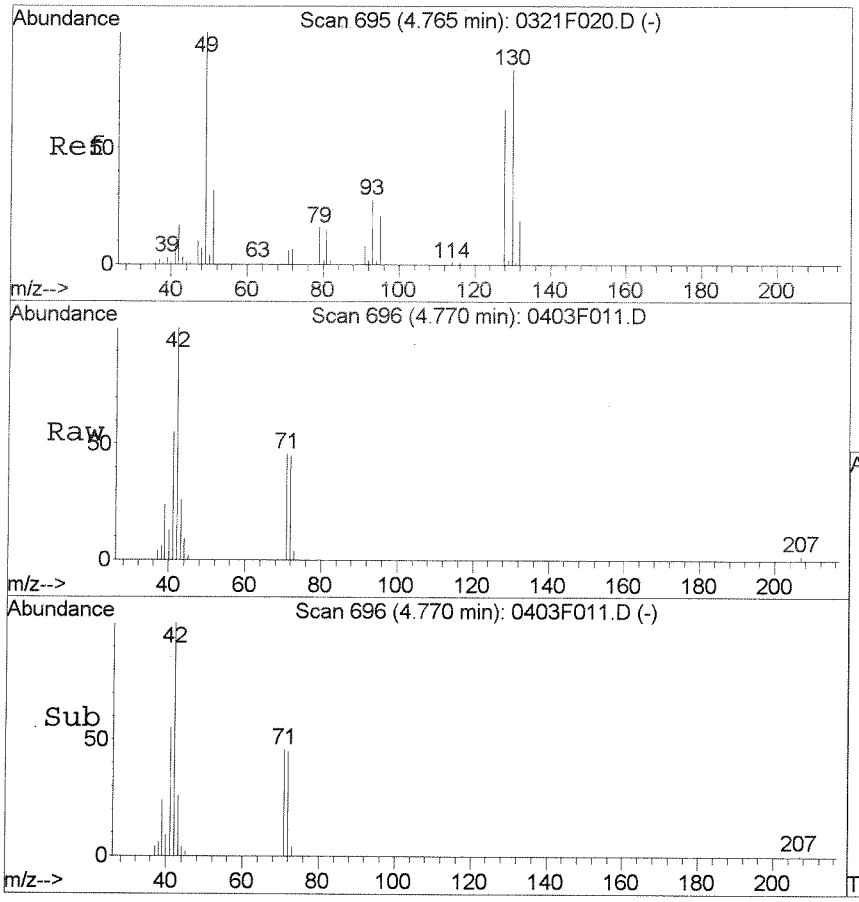


#30
cis-1,2-Dichloroethene
Concen: 0.09 PPB
RT: 4.44 min Scan# 632
Delta R.T. 0.01 min
Lab File: 0403F011.D
Acq: 3 Apr 2008 10:02 pm

Tgt Ion: 96 Resp: 1116

Ion	Ratio	Lower	Upper
96	100		
98	36.6	33.3	93.3
61	96.0	107.2	167.2#

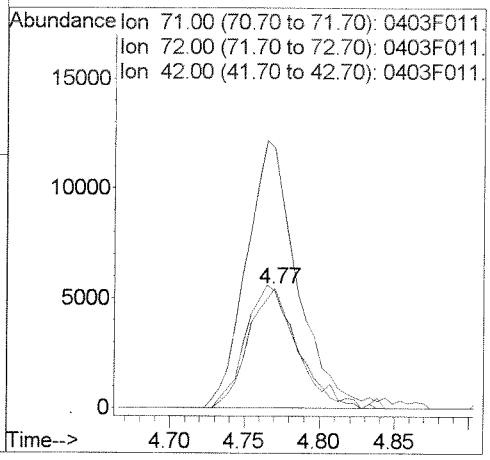


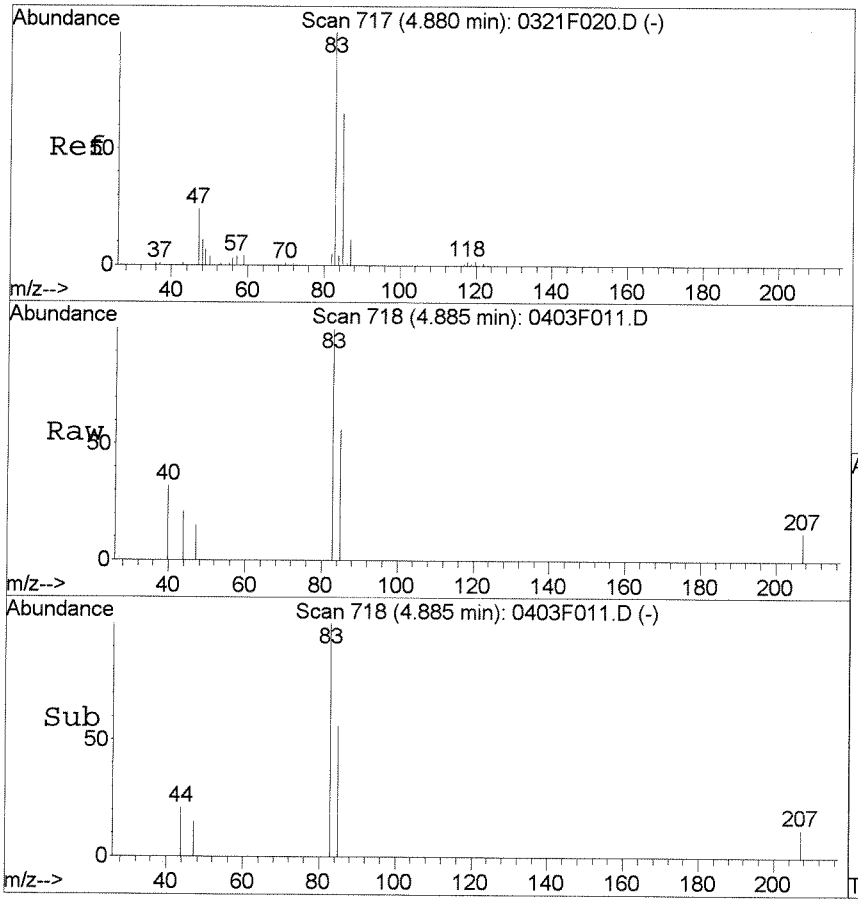


#36
Tetrahydrofuran
Concen: 24.51 PPB
RT: 4.77 min Scan# 696
Delta R.T. 0.01 min
Lab File: 0403F011.D
Acq: 3 Apr 2008 10:02 pm

Tgt Ion: 71 Resp: 12481

Ion	Ratio	Lower	Upper
71	100		
72	97.5	79.7	139.7
42	216.4	230.0	290.0#

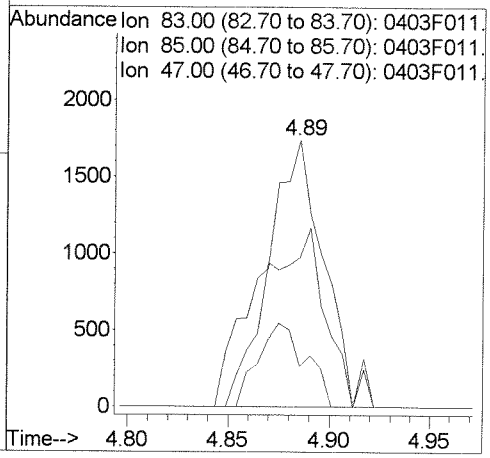


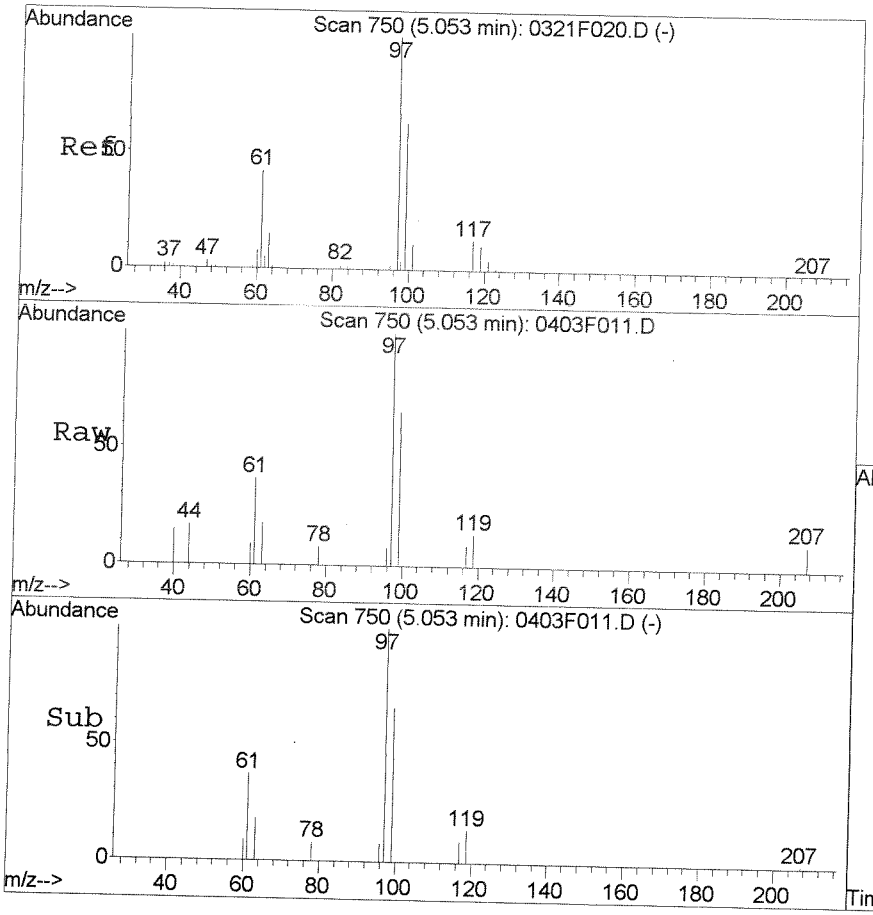


#37
Chloroform
Concen: 0.19 PPB
RT: 4.89 min Scan# 718
Delta R.T. 0.01 min
Lab File: 0403F011.D
Acq: 3 Apr 2008 10:02 pm

Tgt Ion: 83 Resp: 3697

Ion	Ratio	Lower	Upper
83	100		
85	56.0	35.1	95.1
47	15.2	0.0	53.9

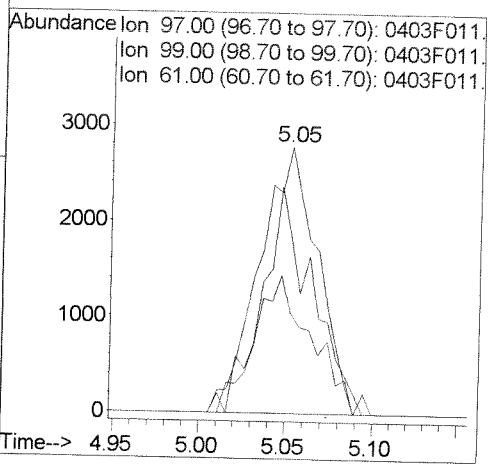


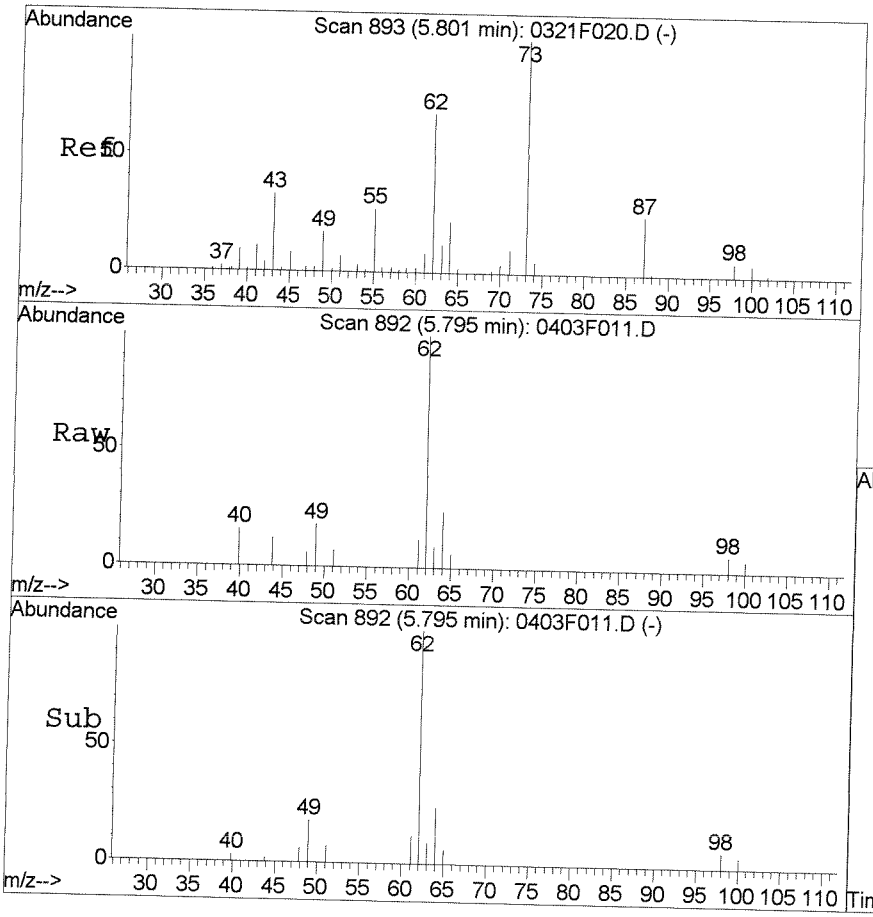


#39
1,1,1-Trichloroethane
Concen: 0.42 PPB
RT: 5.05 min Scan# 750
Delta R.T. -0.00 min
Lab File: 0403F011.D
Acq: 3 Apr 2008 10:02 pm

Tgt Ion: 97 Resp: 6467

Ion	Ratio	Lower	Upper
97	100		
99	66.3	32.9	92.9
61	37.4	12.1	72.1

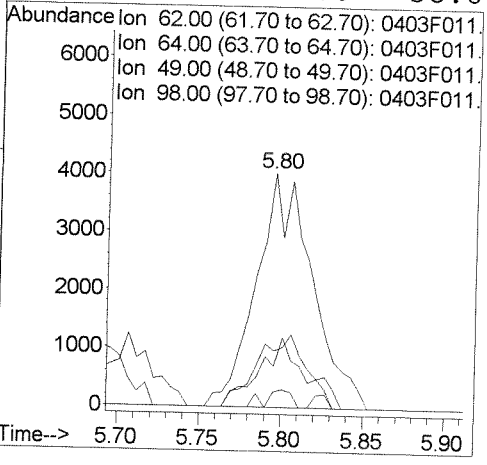


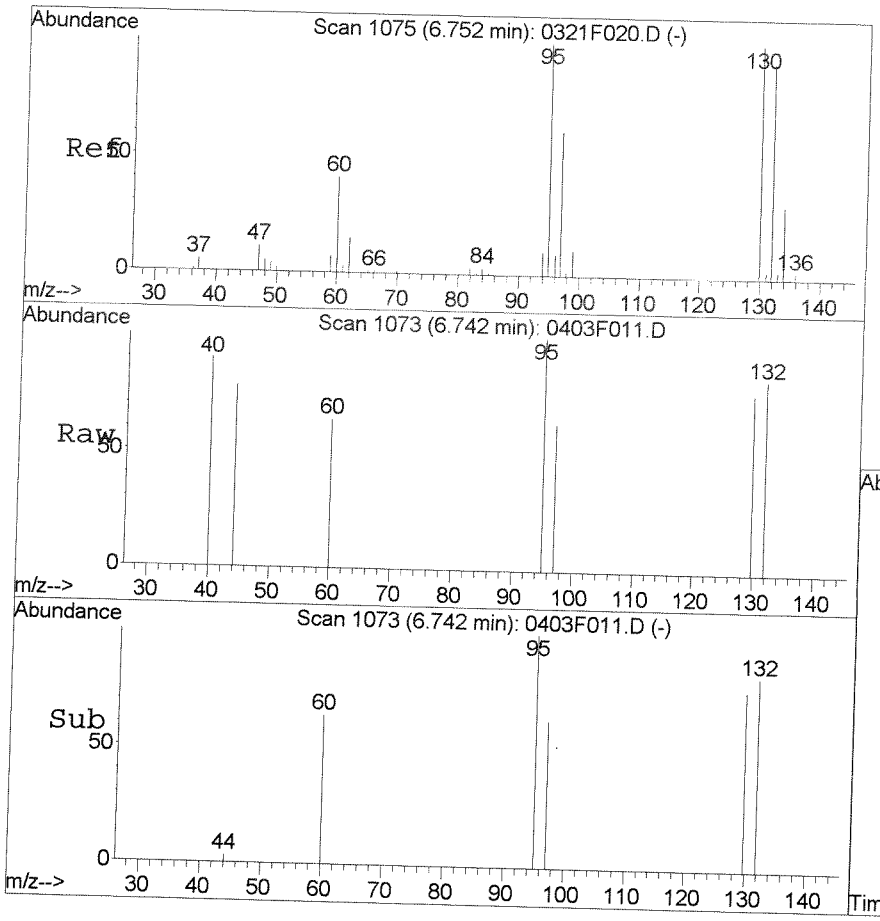


#46
1,2-Dichloroethane
Concen: 0.67 PPB
RT: 5.80 min Scan# 892
Delta R.T. -0.01 min
Lab File: 0403F011.D
Acq: 3 Apr 2008 10:02 pm

Tgt Ion: 62 Resp: 9488

Ion	Ratio	Lower	Upper
62	100		
64	24.1	3.1	63.1
49	17.7	0.0	55.1
98	6.5	0.0	38.6

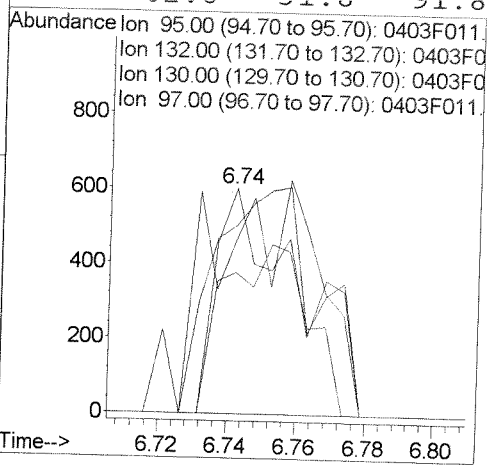


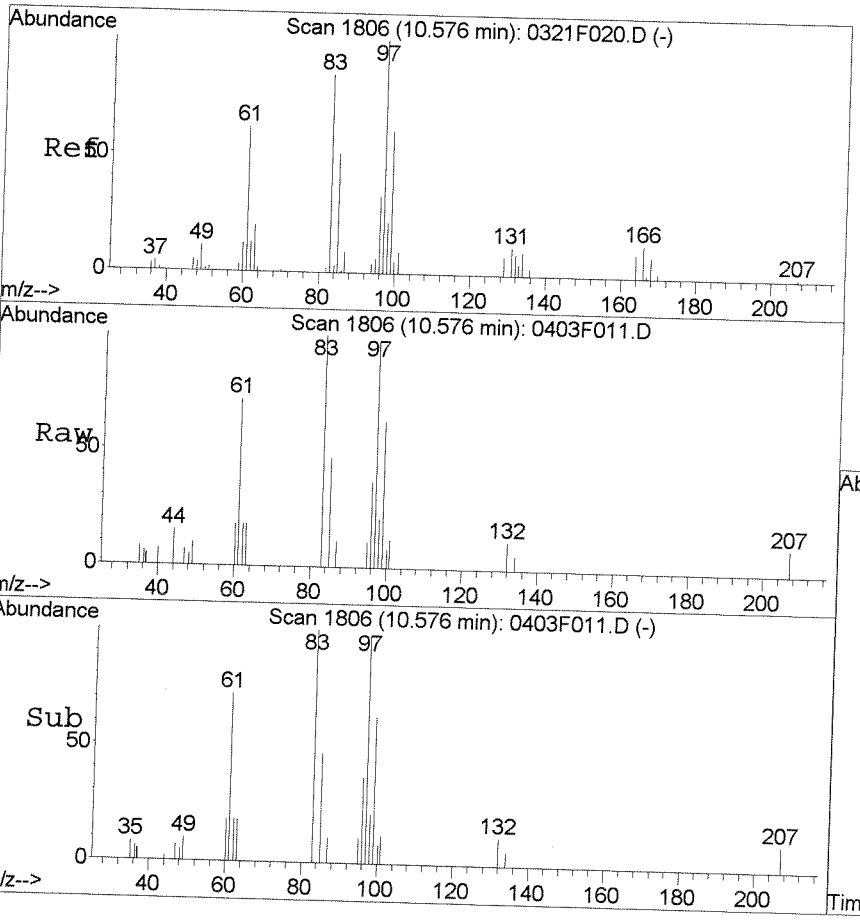


#48
Trichloroethene
Concen: 0.09 PPB
RT: 6.74 min Scan# 1073
Delta R.T. -0.01 min
Lab File: 0403F011.D
Acq: 3 Apr 2008 10:02 pm

Tgt Ion: 95 Resp: 1004

Ion	Ratio	Lower	Upper
95	100		
132	83.4	63.5	123.5
130	77.0	69.7	129.7
97	62.6	31.8	91.8

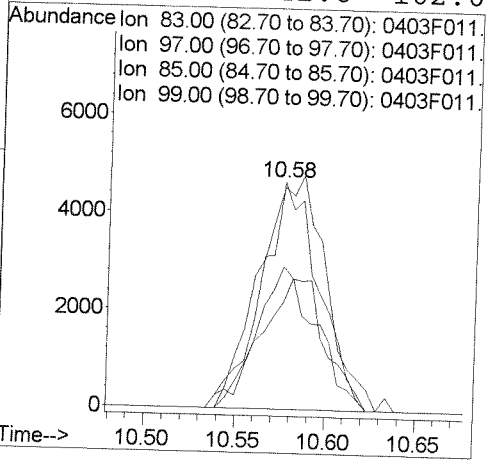


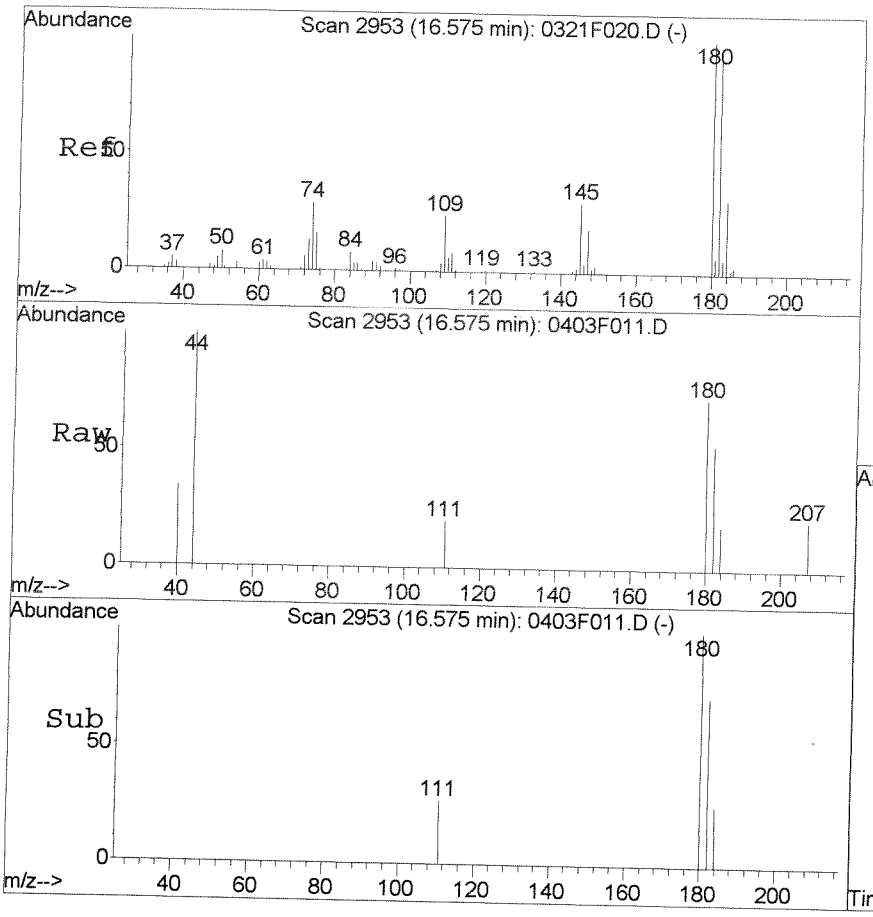


#64
1,1,2-Trichloroethane
Concen: 1.65 PPB
RT: 10.58 min Scan# 1806
Delta R.T. 0.00 min
Lab File: 0403F011.D
Acq: 3 Apr 2008 10:02 pm

Tgt Ion: 83 Resp: 10425

Ion	Ratio	Lower	Upper
83	100		
97	97.8	87.2	147.2
85	46.9	30.3	90.3
99	62.8	42.0	102.0

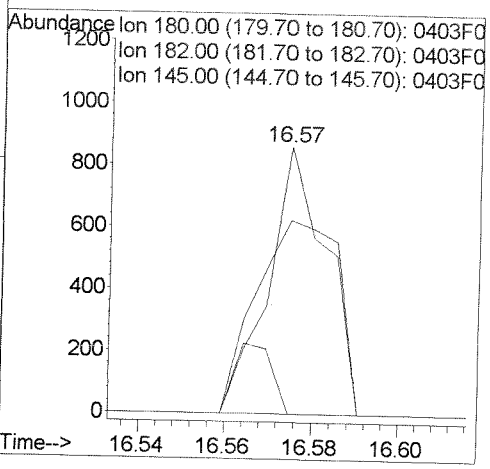




#99
1,3,5-Trichlorobenzene
Concen: 0.05 PPB
RT: 16.57 min Scan# 2953
Delta R.T. -0.00 min
Lab File: 0403F011.D
Acq: 3 Apr 2008 10:02 pm

Tgt Ion:180 Resp: 782

Ion	Ratio	Lower	Upper
180	100		
182	72.4	65.8	125.8
145	0.0	0.2	60.2#



Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	03/24/2008
Sample Matrix:	Water	**Date Received:**	03/27/2008

Volatile Organic Compounds

Sample Name:	Duplicate 1	**Units:**	ug/L
Lab Code:	K0802637-002	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
Chloromethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Vinyl Chloride	ND	U	0.50	0.042	1	04/02/08	04/02/08	KWG0803087	
Bromomethane	ND	U	0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
Chloroethane	ND	U	0.50	0.23	1	04/02/08	04/02/08	KWG0803087	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Acetone	ND	U	20	4.1	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethene	**97**	D	2.5	0.61	5	04/03/08	04/03/08	KWG0803135	
Carbon Disulfide	ND	U	0.50	0.16	1	04/02/08	04/02/08	KWG0803087	
Methylene Chloride	ND	U	2.0	0.20	1	04/02/08	04/02/08	KWG0803087	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethane	**3.8**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
2-Butanone (MEK)	ND	U	20	2.3	1	04/02/08	04/02/08	KWG0803087	
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/02/08	04/02/08	KWG0803087	
cis-1,2-Dichloroethene	**0.23**	J	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Chloroform	**0.98**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromochloromethane	ND	U	0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
1,1,1-Trichloroethane (TCA)	**2.4**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloroethane (EDC)	**3.0**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Benzene	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Trichloroethene (TCE)	**0.62**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromodichloromethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Dibromomethane	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
2-Hexanone	ND	U	20	4.0	1	04/02/08	04/02/08	KWG0803087	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Toluene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/02/08	04/02/08	KWG0803087	
1,1,2-Trichloroethane	**9.1**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: 03/24/2008
Date Received: 03/27/2008

Volatile Organic Compounds

Sample Name: Duplicate 1
Lab Code: K0802637-002

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
Dibromochloromethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/02/08	04/02/08	KWG0803087	
Chlorobenzene	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Ethylbenzene	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
m,p-Xylenes	ND	U	0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
o-Xylene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Styrene	ND	U	0.50	0.095	1	04/02/08	04/02/08	KWG0803087	
Bromoform	ND	U	0.50	0.28	1	04/02/08	04/02/08	KWG0803087	
Isopropylbenzene	ND	U	2.0	0.11	1	04/02/08	04/02/08	KWG0803087	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/02/08	04/02/08	KWG0803087	
Bromobenzene	ND	U	2.0	0.18	1	04/02/08	04/02/08	KWG0803087	
n-Propylbenzene	ND	U	2.0	0.098	1	04/02/08	04/02/08	KWG0803087	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/02/08	04/02/08	KWG0803087	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
n-Butylbenzene	ND	U	2.0	0.23	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/02/08	04/02/08	KWG0803087	
Naphthalene	ND	U	2.0	0.29	1	04/02/08	04/02/08	KWG0803087	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	03/24/2008
Sample Matrix:	Water	**Date Received:**	03/27/2008

Volatile Organic Compounds

Sample Name:	Duplicate 1	**Units:**	ug/L
Lab Code:	K0802637-002	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	75-120	04/02/08	Acceptable
Toluene-d8	108	80-128	04/02/08	Acceptable
4-Bromofluorobenzene	99	75-117	04/02/08	Acceptable

Comments:

Exception Report

Data File: J:\MS13\DATA\040208\0402F014.D
Lab ID: K0802637-002
RunType: SMPL
Matrix: WATER

Date Acquired: 04/02/2008 21:48
Date Quantitated: 04/03/2008 15:26
Batch ID: KWG0803086
Analysis Method: 8260B
ListJoinID: LJ8580

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA		x
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Above Highest ICAL Level	1,1-Dichloroethene	104.30	NA	80	see 5x

Primary Review: KB 4/3/08

Secondary Review: HL 040408

Quantitation Report

Bottle ID:		**Tier:**	III	**Matrix:**	WATER
Prod Code:	8260B VOC_FP	**Collect Date:**	03/24/2008	**Receive Date:**	03/27/2008

Analysis Lot:	KWG0803086	**Prep Lot:**	KWG0803087	**Report Group:**	K0802637
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	698942	**Prep Date:**	04/02/2008		

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:	Volatile Organic Compounds	**Report List ID:**	LJ8580
Tune Ref:	J:\MS13\DATA\040208\0402F002.D	**Method ID:**	MJ119
MB Ref:	J:\MS13\DATA\040208\0402F010.D	**Quant based on Report List**	

Data File:	J:\MS13\DATA\040208\0402F014.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 21:48	**Quant Date:**	04/03/2008 15:26	**Vial:**	14
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802637-002			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	6.14	0.00	96	598774	10.00	OK
2	Chlorobenzene-d5	12.05	0.00	82	250757	10.00	OK
3	1,4-Dichlorobenzene-d4	15.08	0.00	152	225107	10.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	Dibromofluoromethane	5.13	0.00	0.00	113	126799	9.59	96	75-120	OK	
1	Toluene-d8	9.33	0.00	0.00	98	618472	10.76	108	80-128	OK	
2	4-Bromofluorobenzene	13.71	0.00	0.00	95	222077	9.94	99	75-117	OK	

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane	1.20		0.00	85	2222	0.1500	0.17	U	
1	Chloromethane				50	0**d**		0.14	U	
1	Vinyl Chloride				62	0		0.042	U	
1	Bromomethane				96	0		0.22	U	
1	Chloroethane				64	0		0.23	U	
1	Trichlorofluoromethane				101	0		0.14	U	
1	1,1-Dichloroethene	2.40		0.00	96	1229823	104.30	100	E	
1	Acetone	2.52		0.00	43	5841	2.81	4.1	U	
1	Carbon Disulfide				76	0**d**		0.16	U	
1	Methylene Chloride				84	0		0.20	U	
1	trans-1,2-Dichloroethene				96	0		0.15	U	
1	1,1-Dichloroethane	3.68		0.00	63	101706	3.82	3.8		
1	2,2-Dichloropropane				77	0		0.18	U	
1	cis-1,2-Dichloroethene	4.44		0.00	96	3729	0.2300	0.23	J	
1	2-Butanone (MEK)				72	0		2.3	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040208\0402F014.D		**Instrument:** MS13
Acqu Date:	04/02/2008 21:48	**Quant Date:** 04/03/2008 15:26	**Vial:** 14
Run Type:	SMPL		**Dilution:** 1.0
Lab ID:	K0802637-002		**Soln Conc. Units:** PPB

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Bromochloromethane				128	0		0.17	U	
1	Chloroform	4.88	-0.01	0.00	83	25142	0.9800	0.98		
1	1,1,1-Trichloroethane (TCA)	5.05		0.00	97	49446	2.37	2.4		
1	Carbon Tetrachloride	5.21	-0.02	0.00	117	876**m**	0.0600	0.14	U	
1	1,1-Dichloropropene				75	0		0.15	U	
1	Benzene	5.61	-0.01	0.00	78	4338	0.0700	0.14	U	
1	1,2-Dichloroethane (EDC)	5.80	-0.01	0.00	62	55863	2.96	3.0		
1	Trichloroethene (TCE)	6.75		0.00	95	9239	0.6200	0.62		
1	1,2-Dichloropropane				63	0		0.14	U	
1	Dibromomethane				93	0		0.12	U	
1	Bromodichloromethane				83	0		0.11	U	
1	cis-1,3-Dichloropropene				75	0		0.11	U	
1	4-Methyl-2-pentanone (MIBK)				58	0**d**		2.7	U	
1	Toluene				92	0		0.11	U	
2	trans-1,3-Dichloropropene				75	0		0.090	U	
2	1,1,2-Trichloroethane	10.58		0.00	83	73444	9.08	9.1		
2	Tetrachloroethene (PCE)	10.55	0.01	0.00	164	1247	0.1000	0.13	U	
2	2-Hexanone				57	0		4.0	U	
2	1,3-Dichloropropane				76	0		0.15	U	
2	Dibromochloromethane				129	0		0.11	U	
2	1,2-Dibromoethane (EDB)				107	0		0.099	U	
2	Chlorobenzene	12.09		0.00	112	2061	0.0500	0.14	U	
2	Ethylbenzene				106	0		0.13	U	
2	1,1,1,2-Tetrachloroethane				131	0		0.12	U	
2	m,p-Xylenes				106	0		0.22	U	
2	o-Xylene				106	0		0.11	U	
2	Styrene				103	0		0.095	U	
2	Bromoform				173	0		0.28	U	
2	Isopropylbenzene				105	0		0.11	U	
3	1,1,2,2-Tetrachloroethane				83	0		0.14	U	
3	Bromobenzene				156	0		0.18	U	
3	n-Propylbenzene				91	0		0.098	U	
3	1,2,3-Trichloropropane				110	0		0.24	U	
3	2-Chlorotoluene				91	0		0.12	U	
3	1,3,5-Trimethylbenzene				105	0		0.13	U	
3	4-Chlorotoluene				91	0		0.12	U	
3	tert-Butylbenzene				119	0		0.13	U	
3	1,2,4-Trimethylbenzene				105	0		0.15	U	
3	sec-Butylbenzene				105	0		0.13	U	
3	4-Isopropyltoluene				119	0		0.13	U	
3	1,3-Dichlorobenzene				146	0**d**		0.11	U	
3	1,4-Dichlorobenzene				146	0**d**		0.12	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040208\0402F014.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 21:48	**Quant Date:**	04/03/2008 15:26	**Vial:**	14
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802637-002			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
3	n-Butylbenzene				91	0		0.23	U	
3	1,2-Dichlorobenzene				146	0**d**		0.12	U	
3	1,2-Dibromo-3-chloropropane				155	0		1.0	U	
3	1,3,5-Trichlorobenzene				180	0**d**		0.35	U	
3	1,2,4-Trichlorobenzene				180	0		0.22	U	
3	Hexachlorobutadiene				225	0		0.28	U	
3	Naphthalene				128	0**d**		0.29	U	
3	1,2,3-Trichlorobenzene	17.77		0.00	180	1421	0.1000	0.33	U	

Prep Amount: 10 ml **Dilution:** 1.0
Prep Final Vol: 10 ml **Unit Factor:** 1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

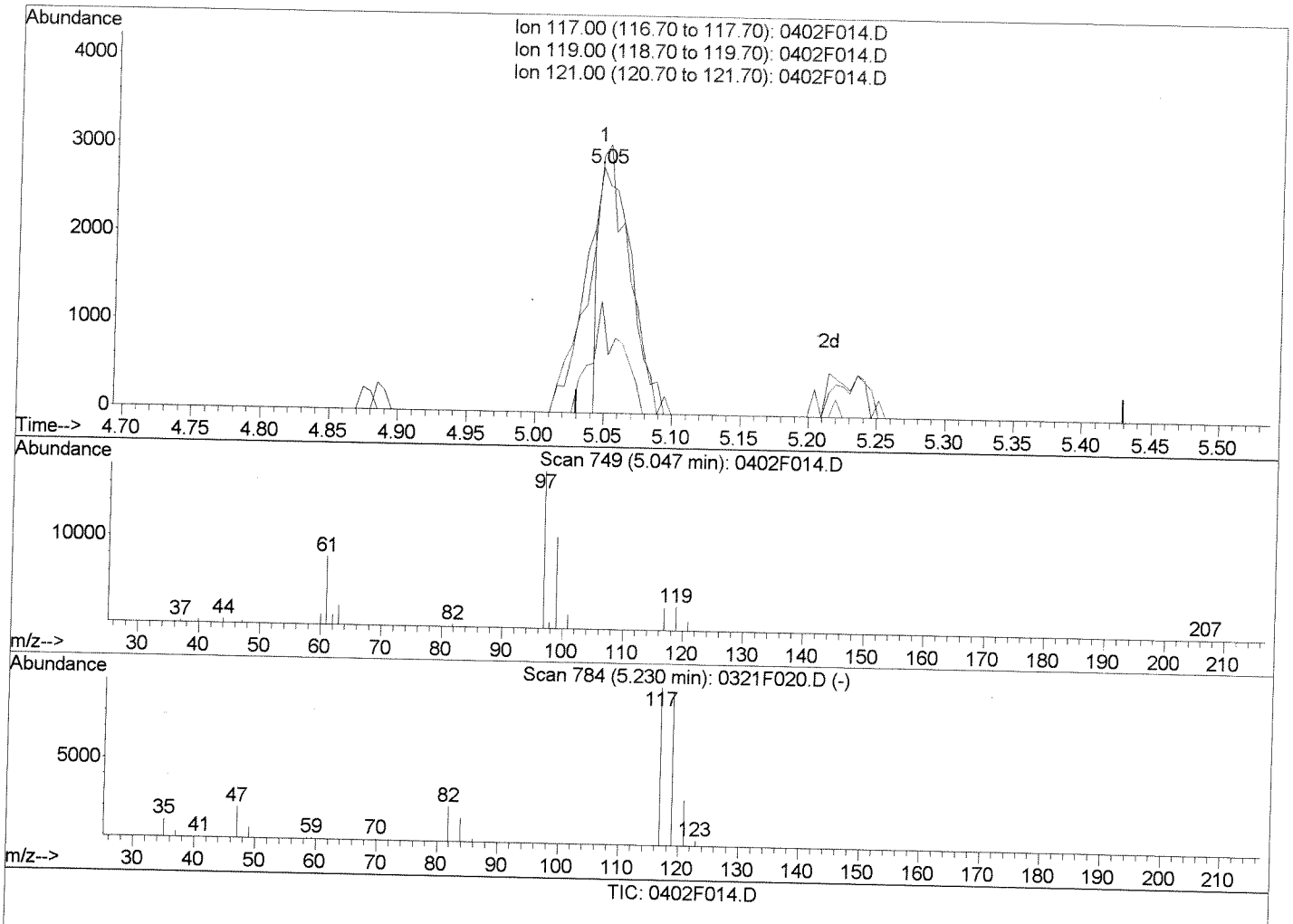
Quantitation Report (Qedit)

Data File : J:\MS13\DATA\040208\0402F014.D
Acq On : 2 Apr 2008 9:48 pm
Sample : K0802637-002
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 15:24 2008

Vial: 14
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration



(41) Carbon Tetrachloride (T)

5.05min 0.31PPB

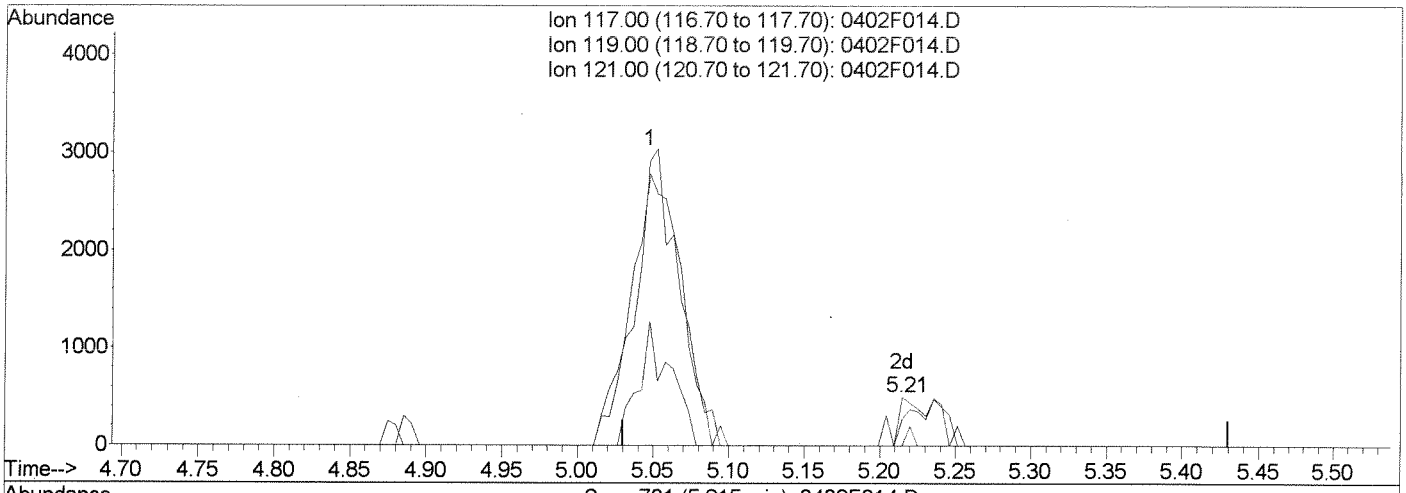
response 4434

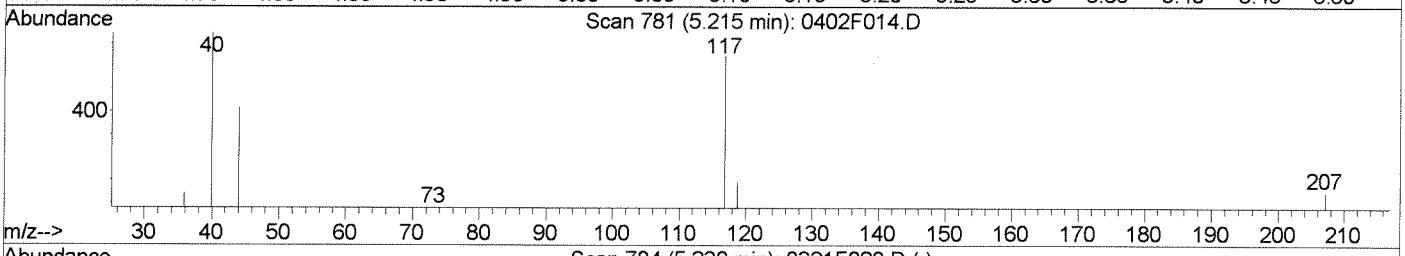
Ion	Exp%	Act%
117.00	100	100
119.00	96.80	104.75
121.00	29.00	45.79
0.00	0.00	0.00

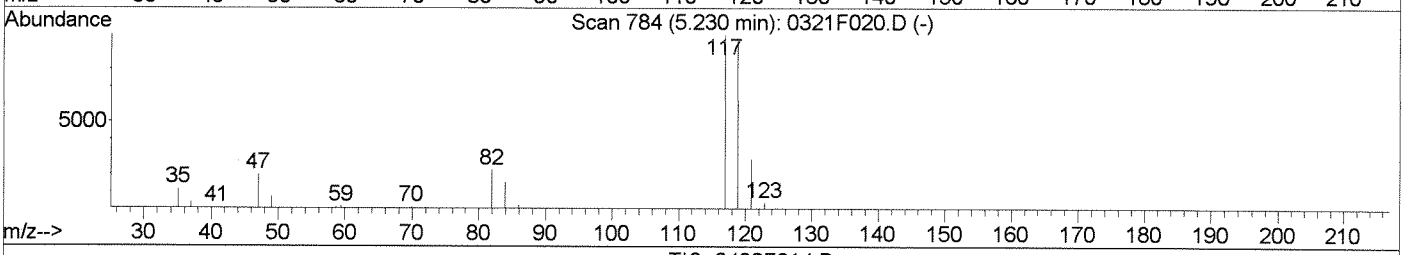
Quantitation Report (Qedit)

Data File : J:\MS13\DATA\040208\0402F014.D Vial: 14
Acq On : 2 Apr 2008 9:48 pm Operator:
Sample : K0802637-002 Inst : MS13
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 3 15:25 2008 Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration







TIC: 0402F014.D

(41) Carbon Tetrachloride (T)

5.21min 0.06PPB m

response 876

Ion	Exp%	Act%
117.00	100	100
119.00	96.80	55.11#
121.00	29.00	0.00
0.00	0.00	0.00

wrong peak
KB 4/3/08

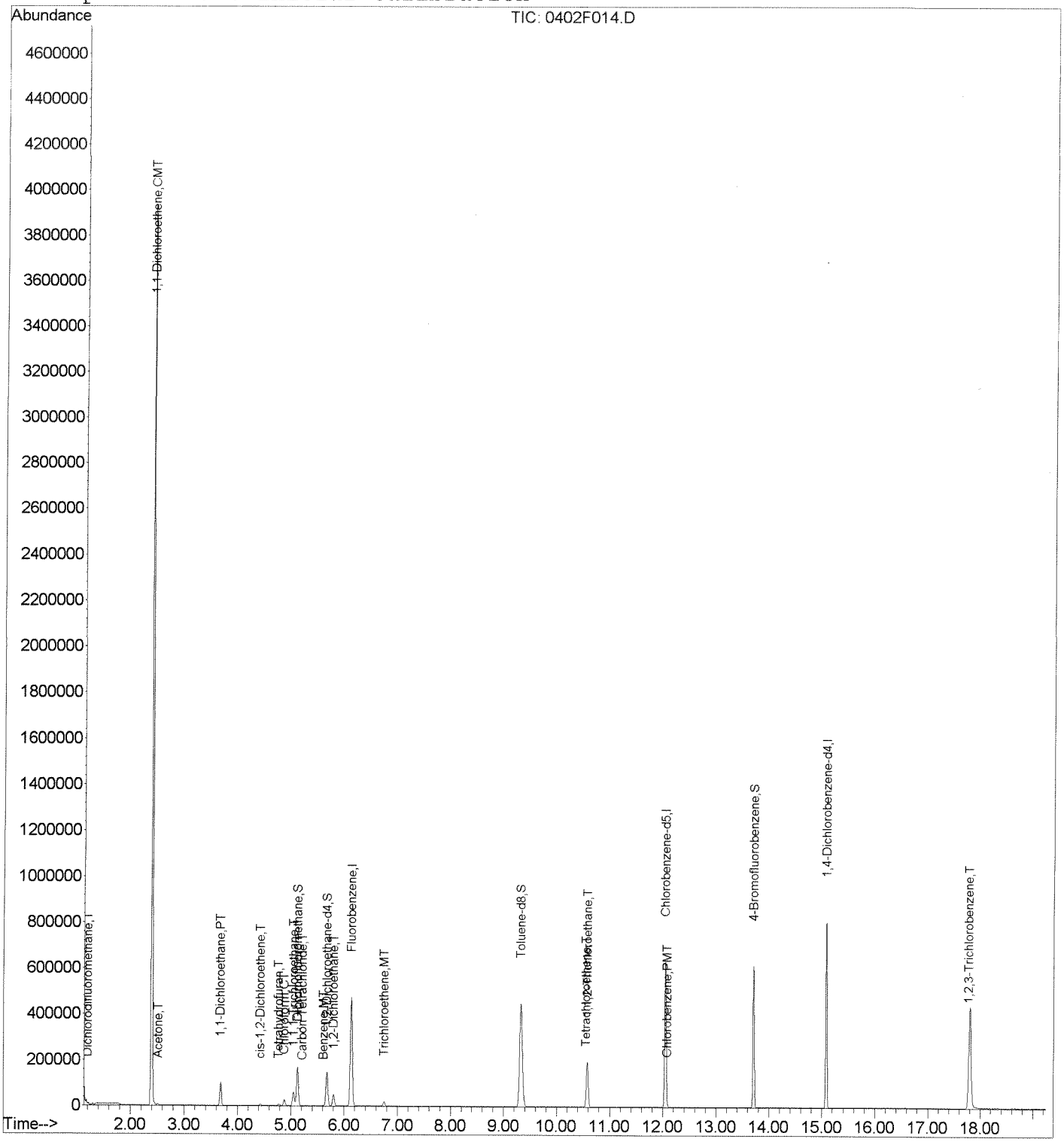
HC 040408

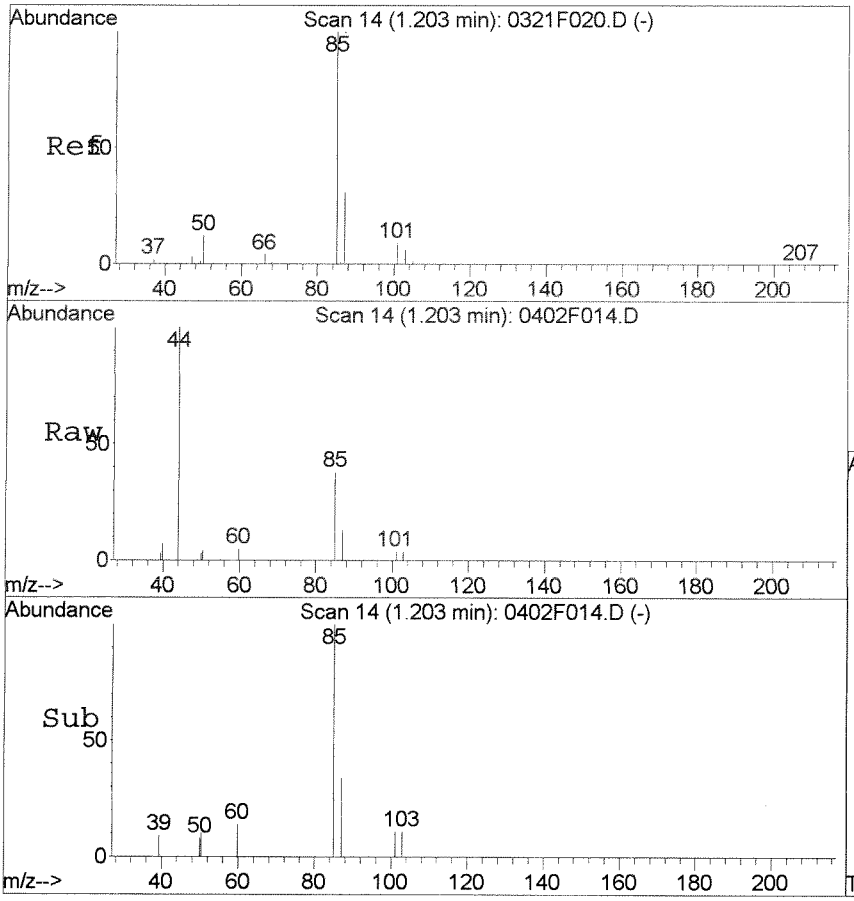
0402F014.D 032108_8260W.M Thu Apr 03 15:25:04 2008

Quantitation Report (QT Reviewed)

Data File : J:\MS13\DATA\040208\0402F014.D Vial: 14
Acq On : 2 Apr 2008 9:48 pm Operator:
Sample : K0802637-002 Inst : MS13
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 3 15:26 2008 Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration

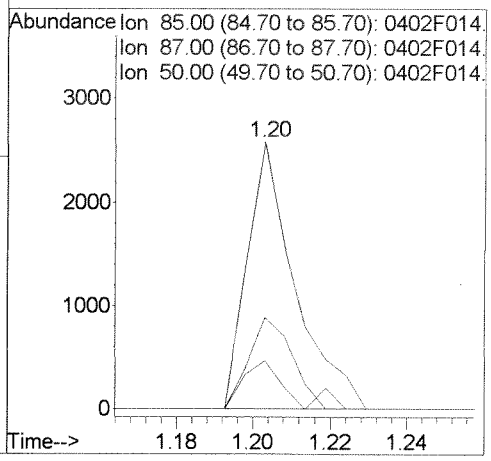


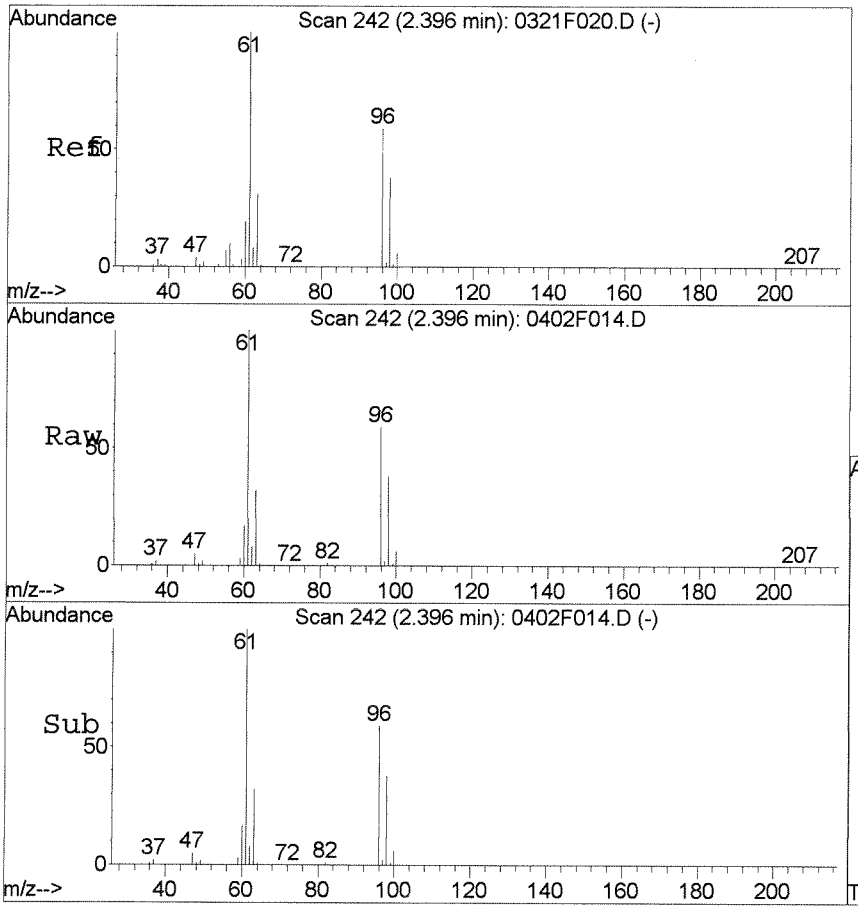


#2
Dichlorodifluoromethane
Concen: 0.15 PPB
RT: 1.20 min Scan# 14
Delta R.T. 0.00 min
Lab File: 0402F014.D
Acq: 2 Apr 2008 9:48 pm

Tgt Ion: 85 Resp: 2222

Ion	Ratio	Lower	Upper
85	100		
87	34.3	0.5	60.5
50	18.1	0.0	41.9

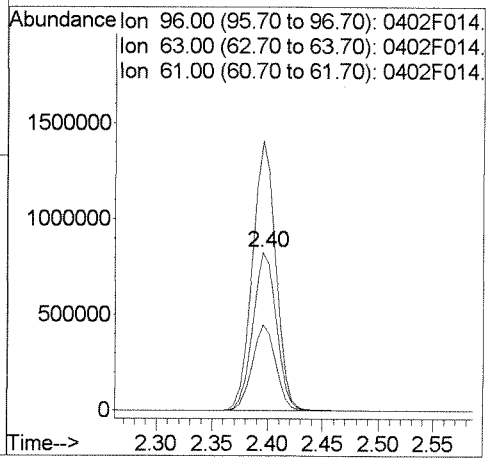


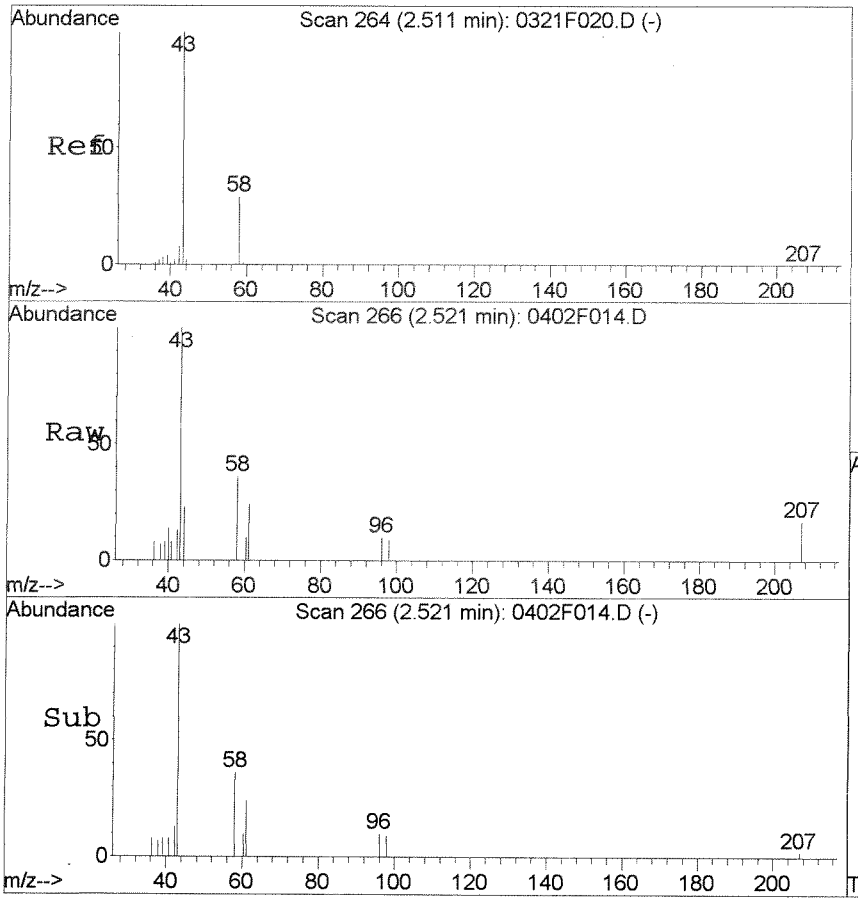


#12
1,1-Dichloroethene
Concen: 104.30 PPB
RT: 2.40 min Scan# 242
Delta R.T. 0.00 min
Lab File: 0402F014.D
Acq: 2 Apr 2008 9:48 pm

Tgt Ion: 96 Resp: 1229823

Ion	Ratio	Lower	Upper
96	100		
63	54.2	22.2	82.2
61	170.2	139.1	199.1

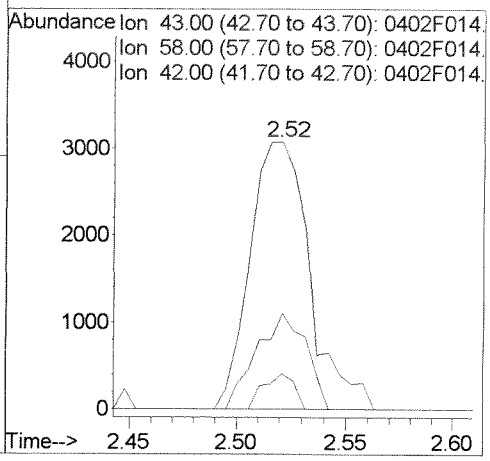


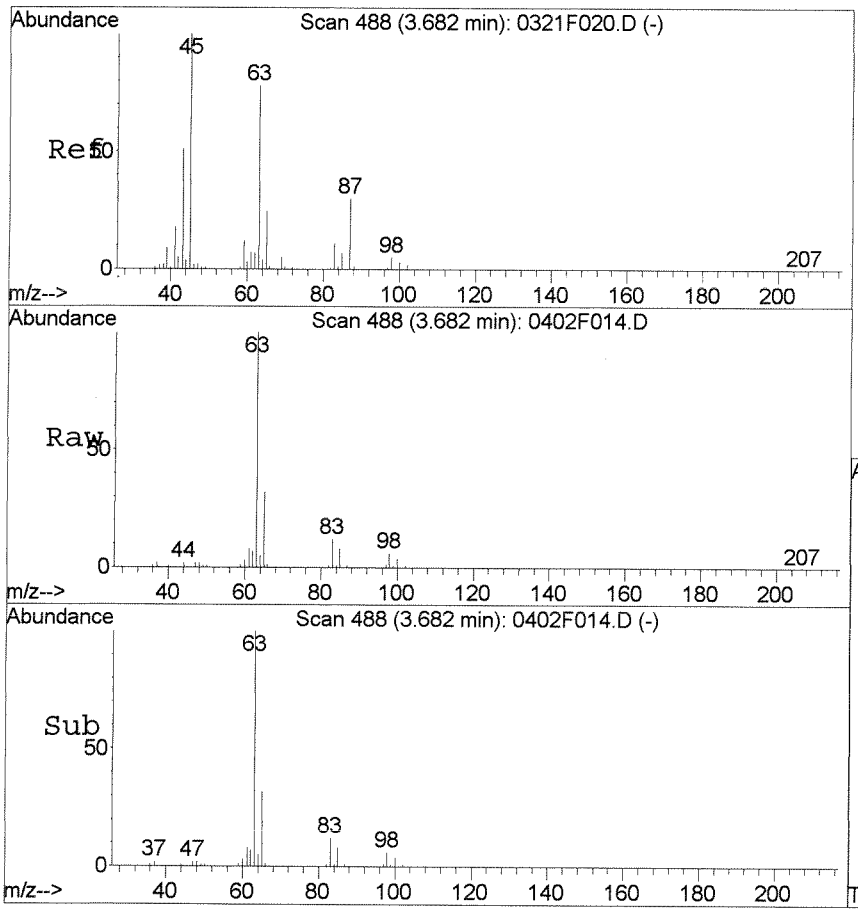


#13
Acetone
Concen: 2.81 PPB
RT: 2.52 min Scan# 266
Delta R.T. 0.01 min
Lab File: 0402F014.D
Acq: 2 Apr 2008 9:48 pm

Tgt Ion: 43 Resp: 5841

Ion	Ratio	Lower	Upper
43	100		
58	35.9	0.0	59.0
42	13.3	0.0	38.2

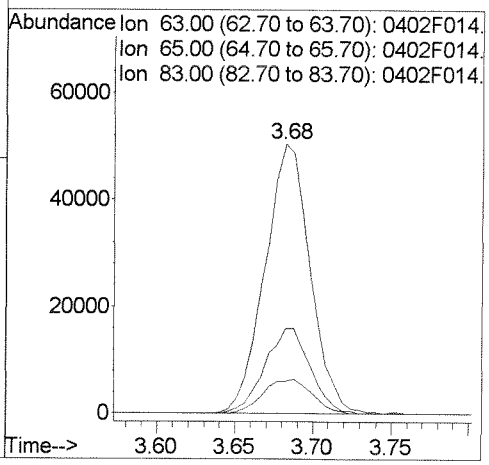


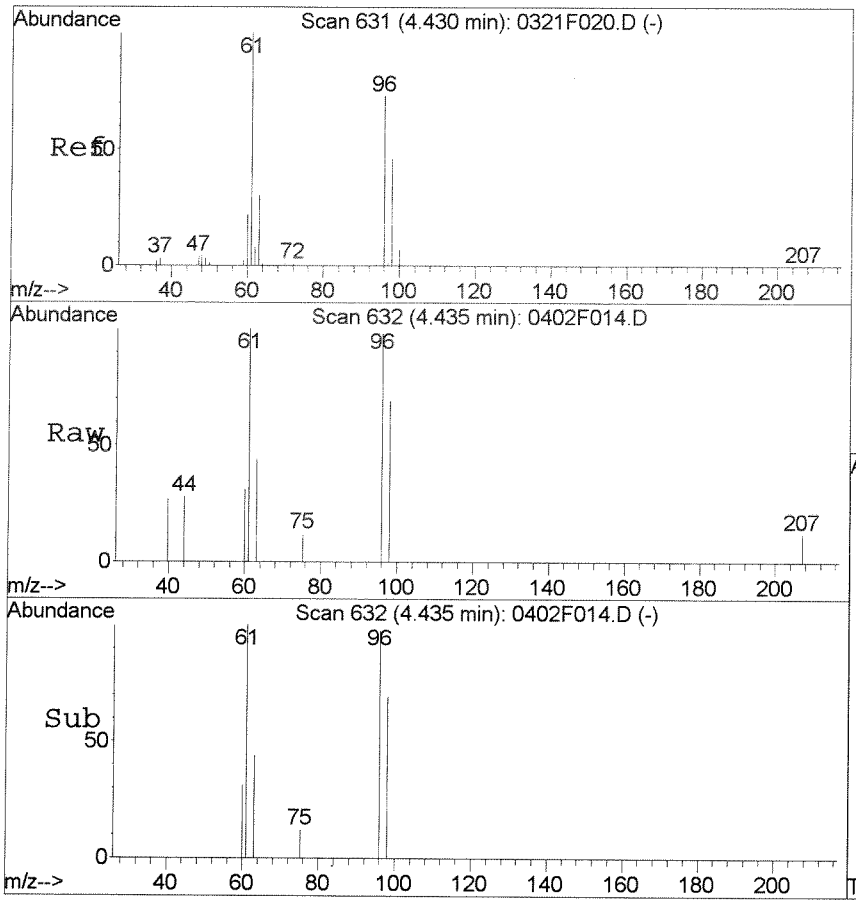


#25
1,1-Dichloroethane
Concen: 3.82 PPB
RT: 3.68 min Scan# 488
Delta R.T. -0.00 min
Lab File: 0402F014.D
Acq: 2 Apr 2008 9:48 pm

Tgt Ion: 63 Resp: 101706

Ion	Ratio	Lower	Upper
63	100		
65	31.5	2.0	62.0
83	12.0	0.0	43.5

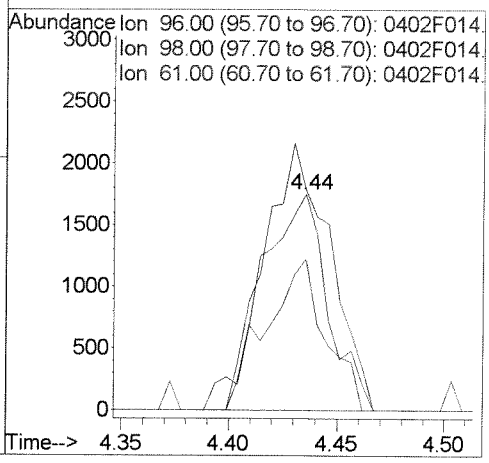


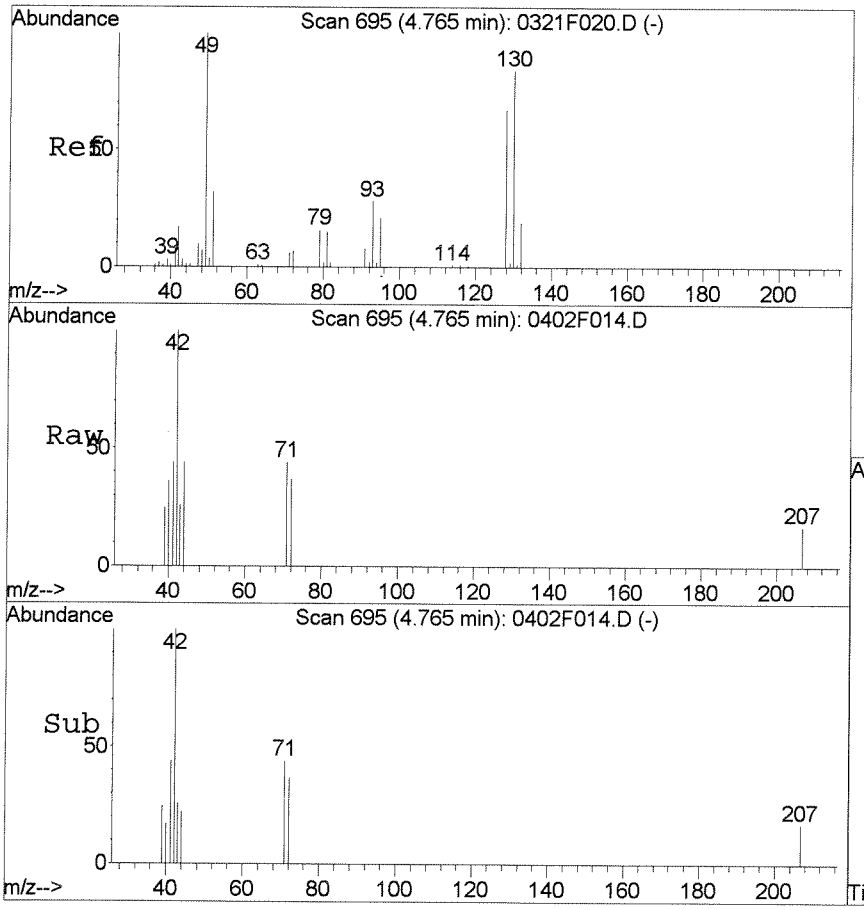


#30
cis-1,2-Dichloroethene
Concen: 0.23 PPB
RT: 4.44 min Scan# 632
Delta R.T. 0.01 min
Lab File: 0402F014.D
Acq: 2 Apr 2008 9:48 pm

Tgt Ion: 96 Resp: 3729

Ion	Ratio	Lower	Upper
96	100		
98	70.0	33.3	93.3
61	102.0	107.2	167.2#

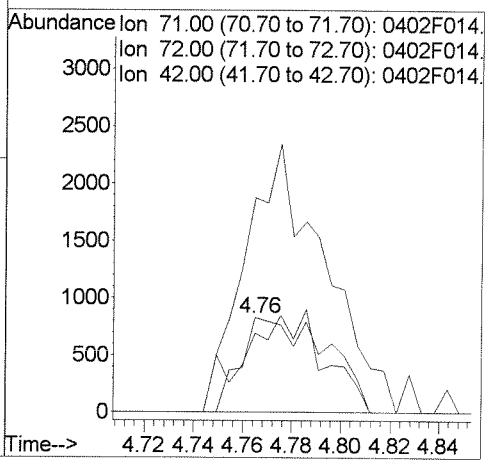


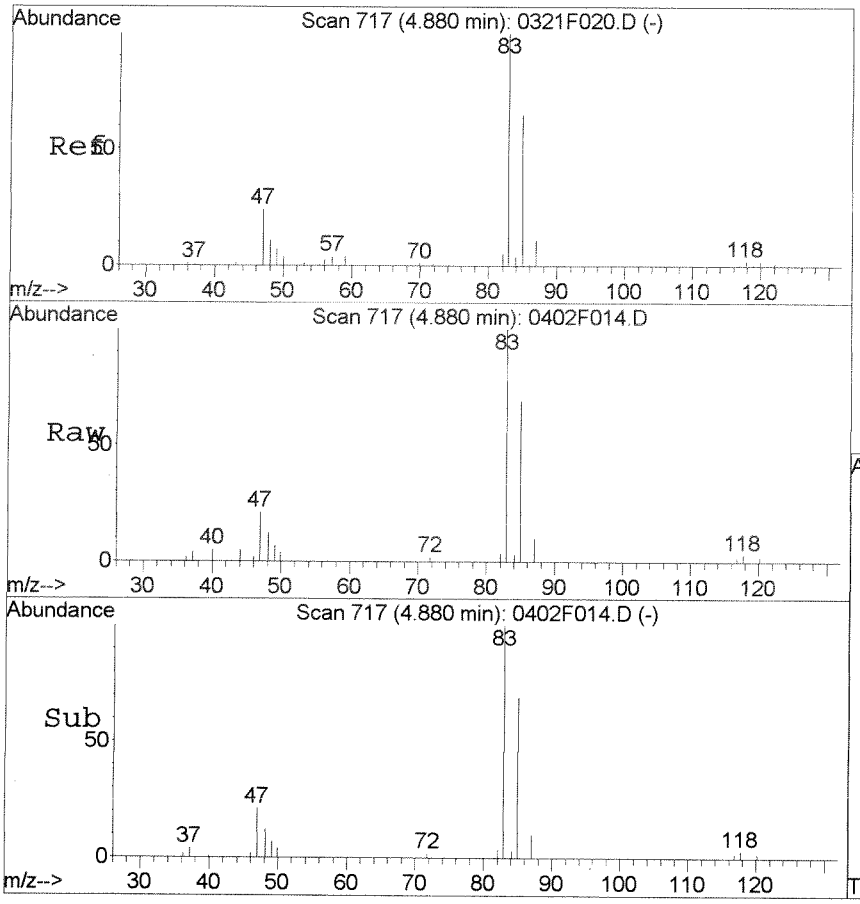


#36
Tetrahydrofuran
Concen: 2.95 PPB
RT: 4.76 min Scan# 695
Delta R.T. -0.00 min
Lab File: 0402F014.D
Acq: 2 Apr 2008 9:48 pm

Tgt Ion: 71 Resp: 2010

Ion	Ratio	Lower	Upper
71	100		
72	83.5	79.7	139.7
42	226.3	230.0	290.0#

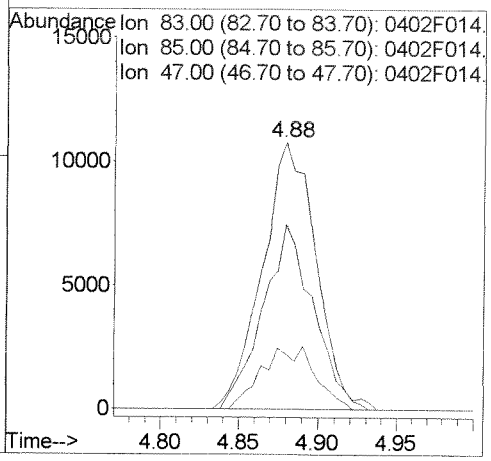


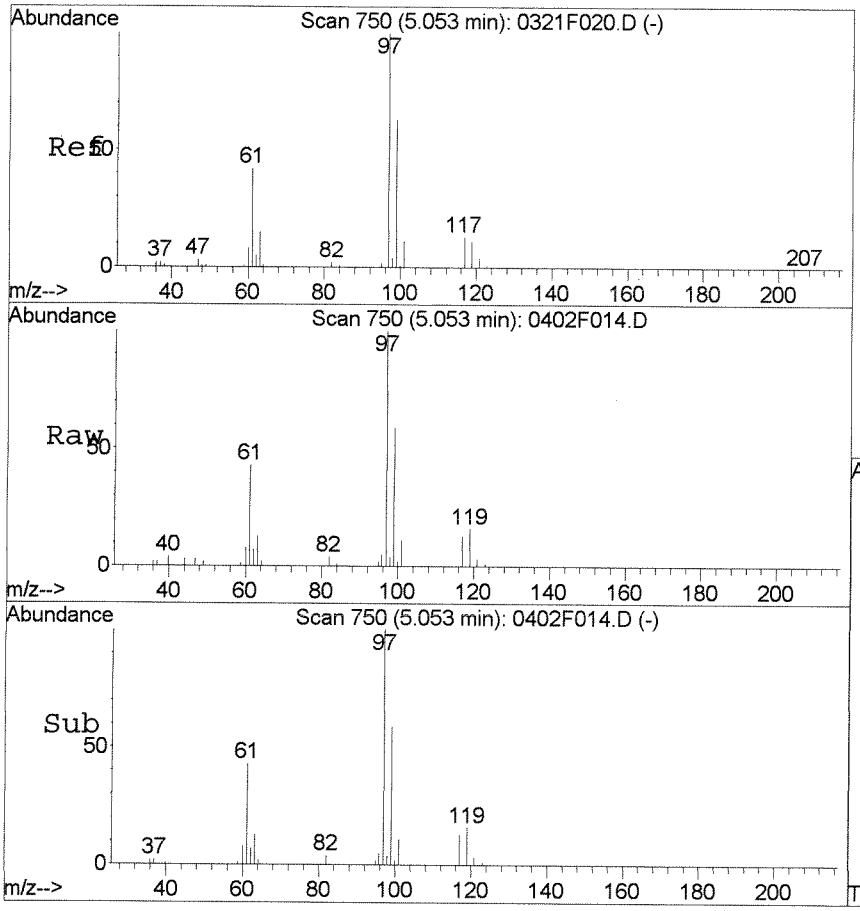


#37
Chloroform
Concen: 0.98 PPB
RT: 4.88 min Scan# 717
Delta R.T. 0.00 min
Lab File: 0402F014.D
Acq: 2 Apr 2008 9:48 pm

Tgt Ion: 83 Resp: 25142

Ion	Ratio	Lower	Upper
83	100		
85	69.3	35.1	95.1
47	20.7	0.0	53.9

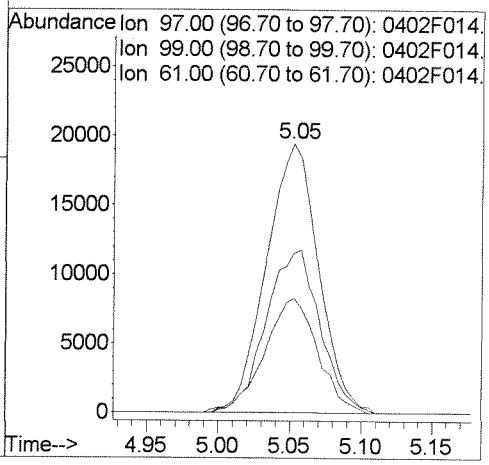


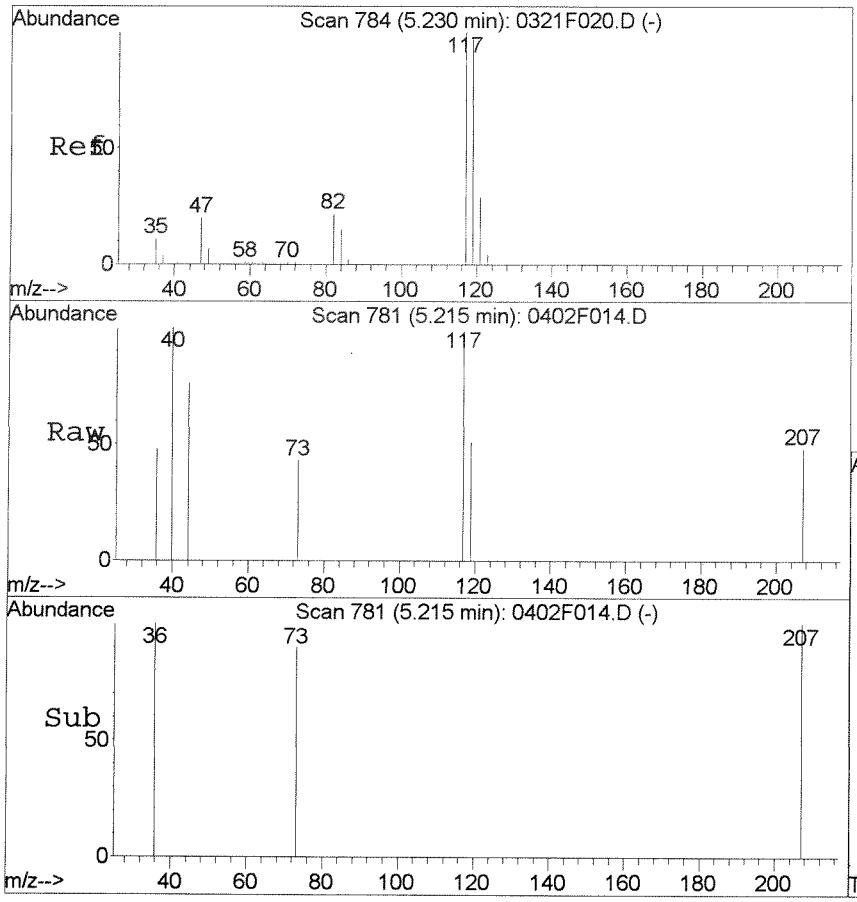


#39
1,1,1-Trichloroethane
Concen: 2.37 PPB
RT: 5.05 min Scan# 750
Delta R.T. -0.00 min
Lab File: 0402F014.D
Acq: 2 Apr 2008 9:48 pm

Tgt Ion: 97 Resp: 49446

Ion	Ratio	Lower	Upper
97	100		
99	59.2	32.9	92.9
61	42.7	12.1	72.1

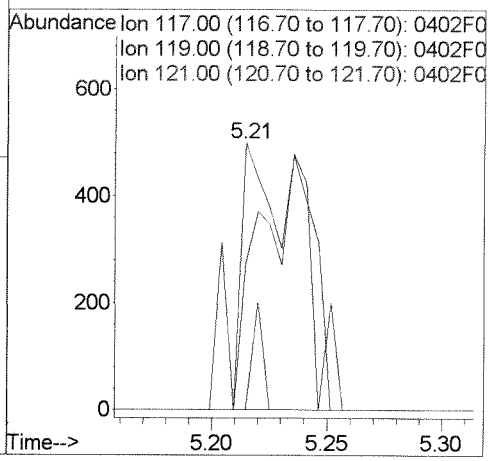


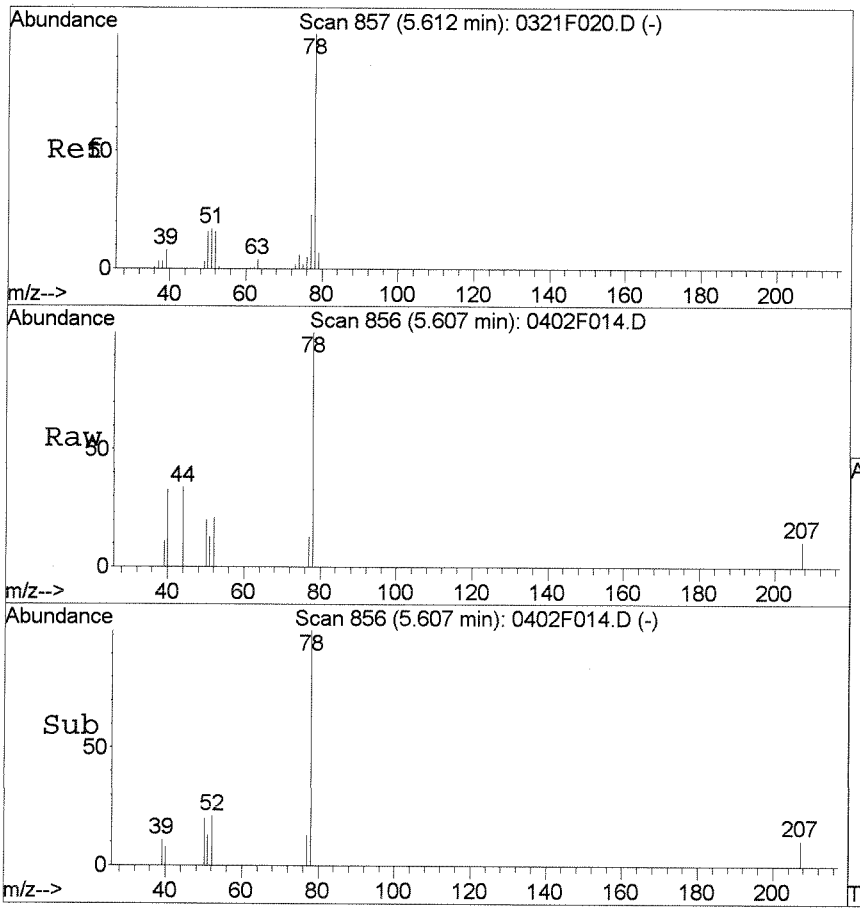


#41
Carbon Tetrachloride
Concen: 0.06 PPB m
RT: 5.21 min Scan# 781
Delta R.T. -0.02 min
Lab File: 0402F014.D
Acq: 2 Apr 2008 9:48 pm

Tgt Ion:117 Resp: 876

Ion	Ratio	Lower	Upper
117	100		
119	55.1	66.8	126.8#
121	0.0	0.0	59.0

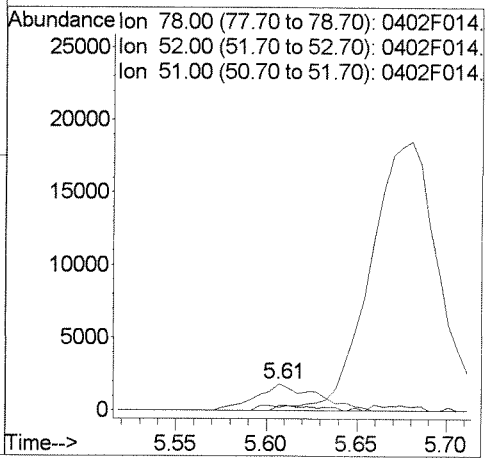


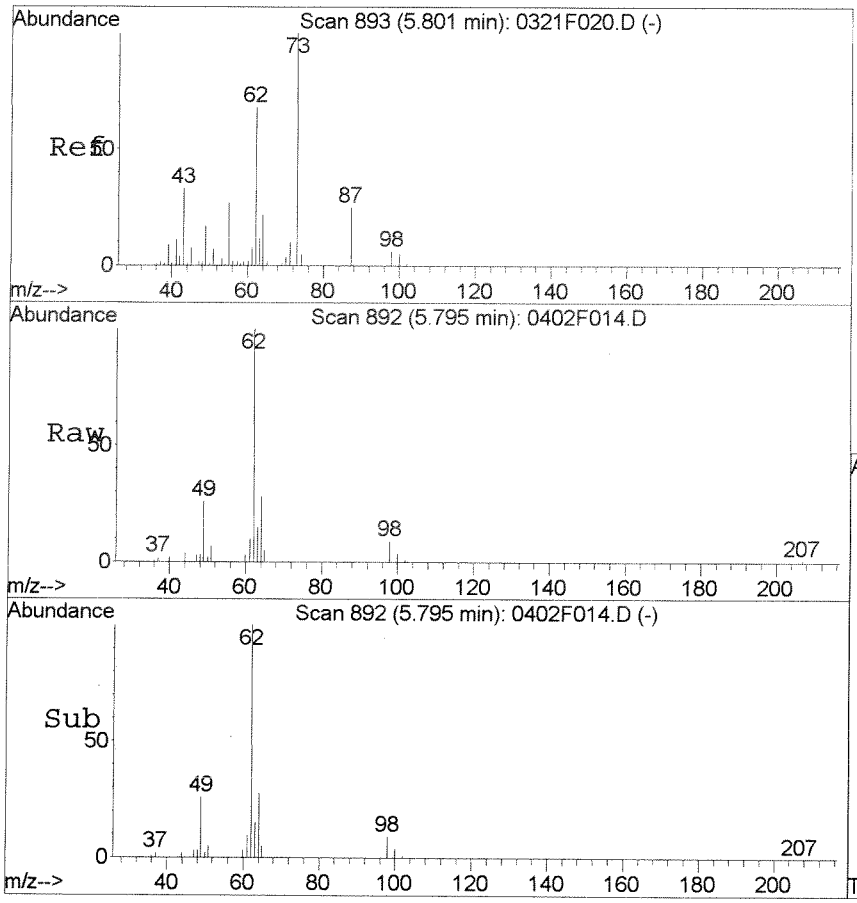


#45
Benzene
Concen: 0.07 PPB
RT: 5.61 min Scan# 856
Delta R.T. -0.01 min
Lab File: 0402F014.D
Acq: 2 Apr 2008 9:48 pm

Tgt Ion: 78 Resp: 4338

Ion	Ratio	Lower	Upper
78	100		
52	20.7	0.0	46.4
51	13.2	0.0	46.8

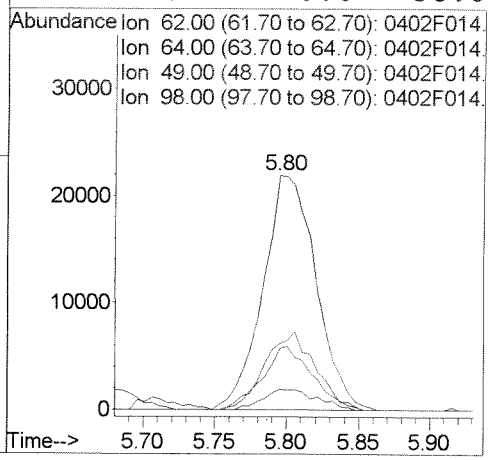


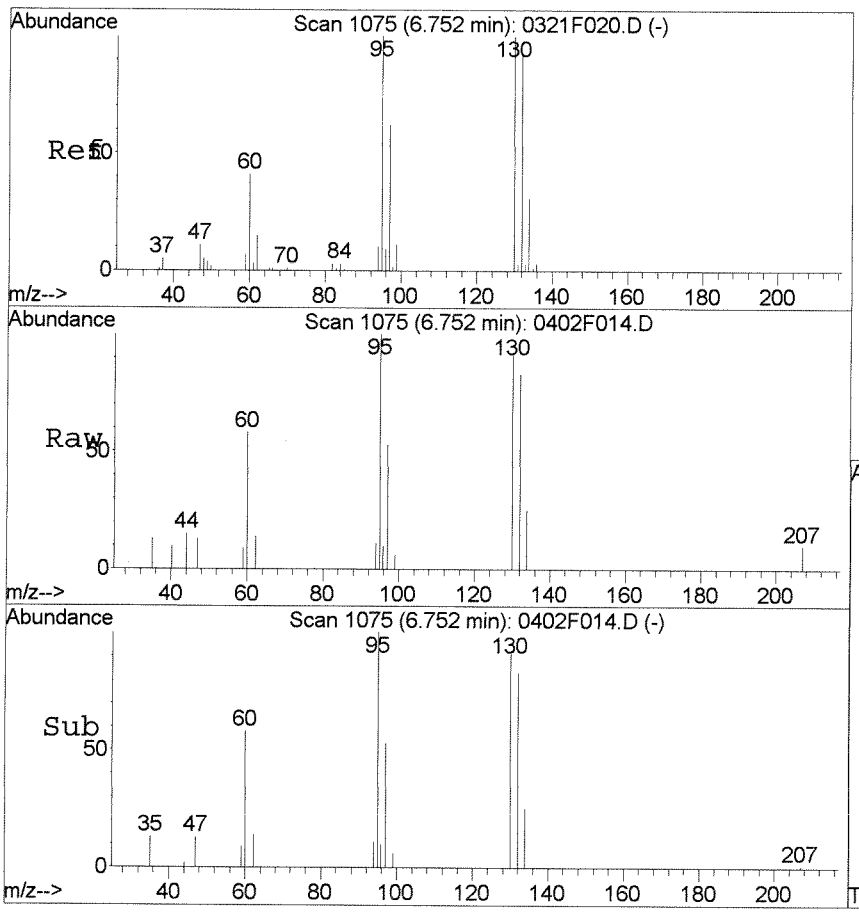


#46
1,2-Dichloroethane
Concen: 2.96 PPB
RT: 5.80 min Scan# 892
Delta R.T. -0.01 min
Lab File: 0402F014.D
Acq: 2 Apr 2008 9:48 pm

Tgt Ion: 62 Resp: 55863

Ion	Ratio	Lower	Upper
62	100		
64	28.1	3.1	63.1
49	26.0	0.0	55.1
98	8.7	0.0	38.6

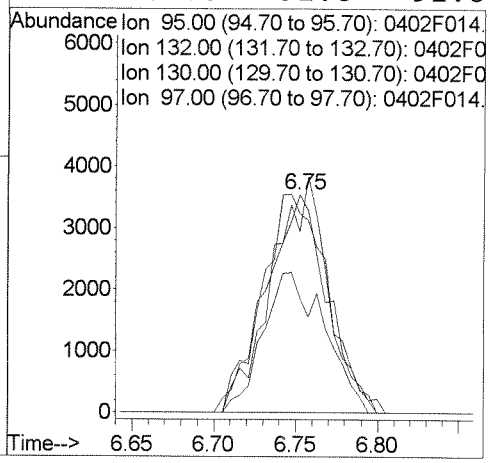


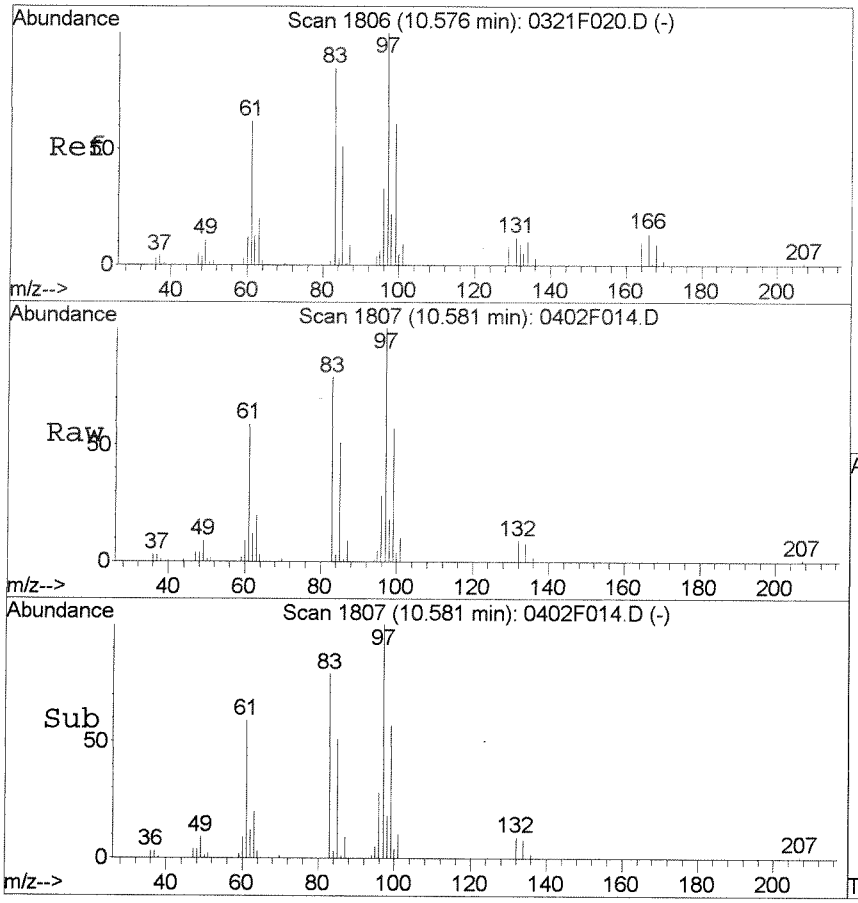


#48
Trichloroethene
Concen: 0.62 PPB
RT: 6.75 min Scan# 1075
Delta R.T. -0.00 min
Lab File: 0402F014.D
Acq: 2 Apr 2008 9:48 pm

Tgt Ion: 95 Resp: 9239

Ion	Ratio	Lower	Upper
95	100		
132	83.2	63.5	123.5
130	91.4	69.7	129.7
97	52.6	31.8	91.8

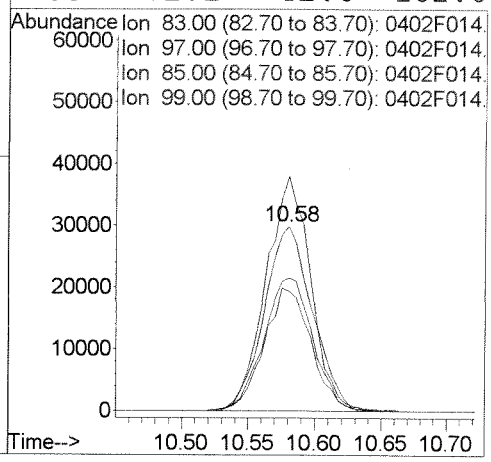


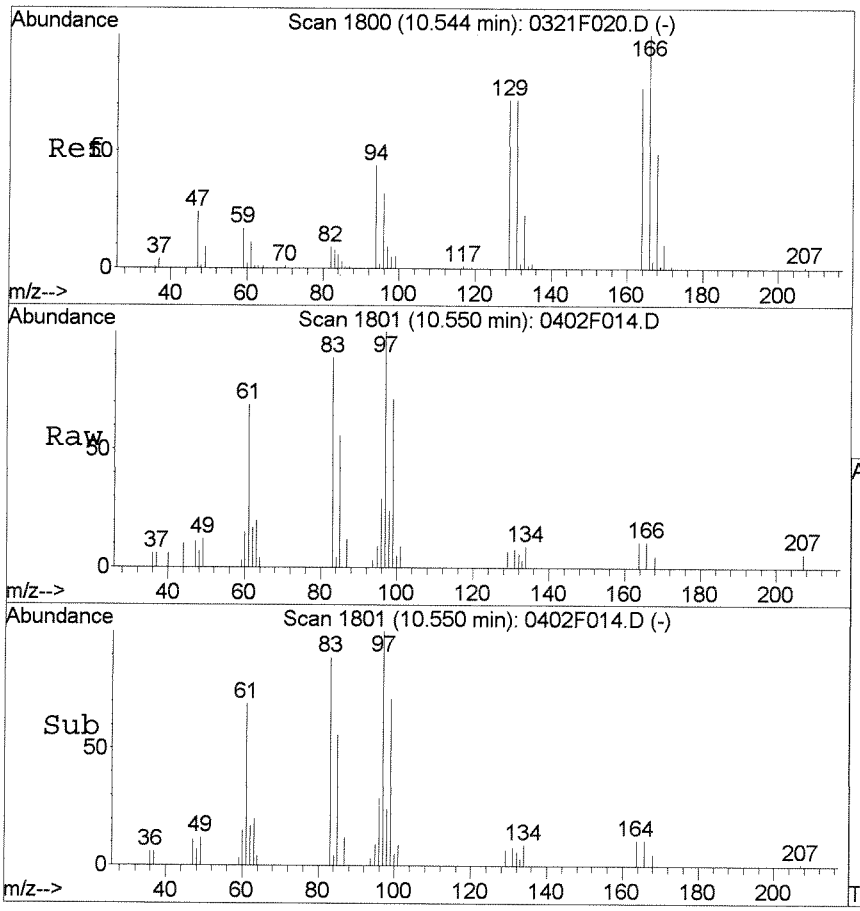


#64
1,1,2-Trichloroethane
Concen: 9.08 PPB
RT: 10.58 min Scan# 1807
Delta R.T. 0.01 min
Lab File: 0402F014.D
Acq: 2 Apr 2008 9:48 pm

Tgt Ion: 83 Resp: 73444

Ion	Ratio	Lower	Upper
83	100		
97	127.0	87.2	147.2
85	64.8	30.3	90.3
99	72.1	42.0	102.0

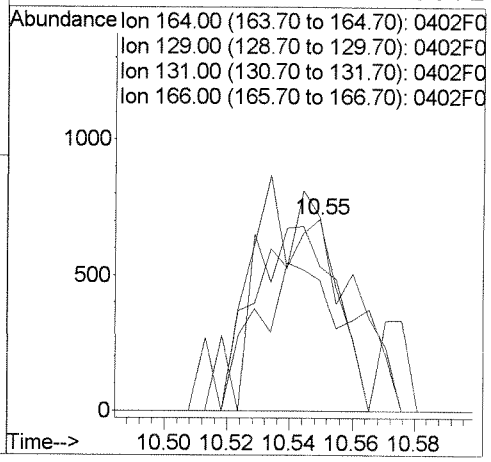


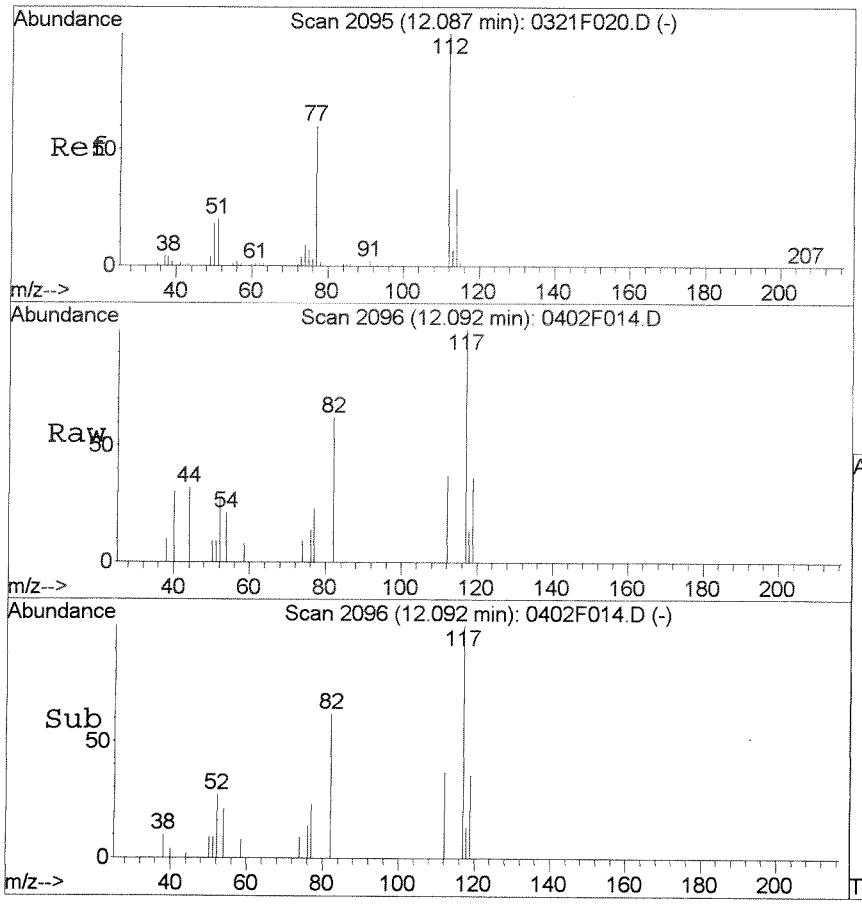


#65
Tetrachloroethene
Concen: 0.10 PPB
RT: 10.55 min Scan# 1801
Delta R.T. 0.01 min
Lab File: 0402F014.D
Acq: 2 Apr 2008 9:48 pm

Tgt Ion:164 Resp: 1247

Ion	Ratio	Lower	Upper
164	100		
129	68.3	63.6	123.6
131	75.5	63.4	123.4
166	67.9	100.1	160.1#

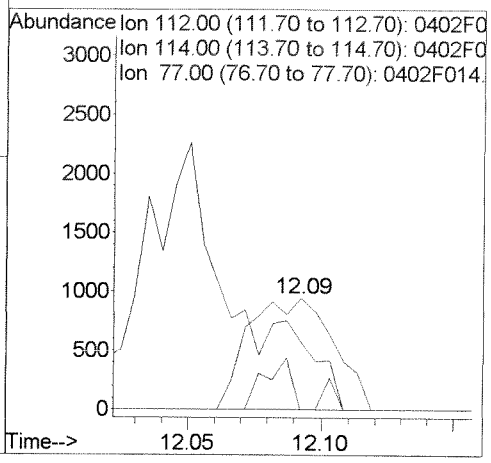


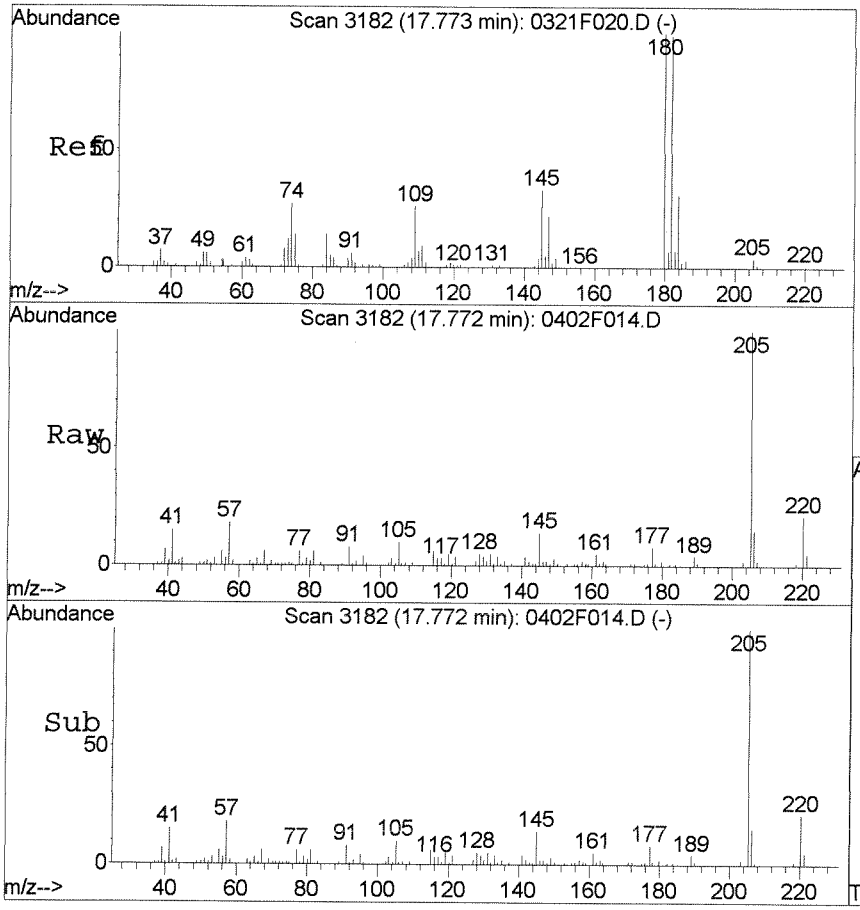


#71
Chlorobenzene
Concen: 0.05 PPB
RT: 12.09 min Scan# 2096
Delta R.T. 0.01 min
Lab File: 0402F014.D
Acq: 2 Apr 2008 9:48 pm

Tgt Ion:112 Resp: 2061

Ion	Ratio	Lower	Upper
112	100		
114	0.0	2.6	62.6#
77	60.6	29.9	89.9

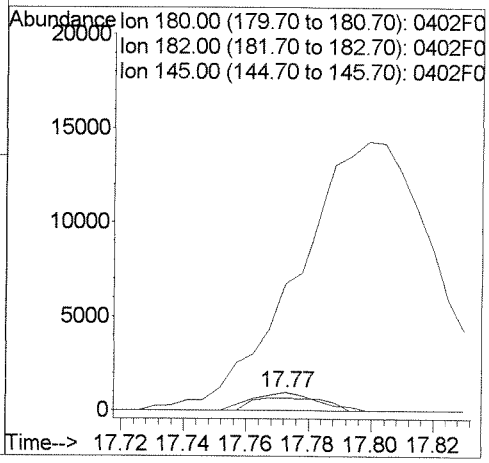




#103
1,2,3-Trichlorobenzene
Concen: 0.10 PPB
RT: 17.77 min Scan# 3182
Delta R.T. -0.00 min
Lab File: 0402F014.D
Acq: 2 Apr 2008 9:48 pm

Tgt Ion:180 Resp: 1421

Ion	Ratio	Lower	Upper
180	100		
182	69.8	68.9	128.9
145	637.0	2.7	62.7#



Exception Report

Data File: J:\MS13\DATA\040308\0403F012.D
Lab ID: K0802637-002
RunType: DL
Matrix: WATER

Date Acquired: 04/03/2008 22:29
Date Quantitated: 04/03/2008 23:21
Batch ID: KWG0803131
Analysis Method: 8260B
ListJoinID: LJ8580

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

dilution for 1,1-DCE.

Primary Review: LS 4/4/08

Secondary Review: HC 04.07.08

Printed: 04/04/2008 16:47:51
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**	III	**Matrix:**	WATER
Prod Code:	8260B VOC_FP	**Collect Date:**	03/24/2008	**Receive Date:**	03/27/2008

Analysis Lot:	KWG0803131	**Prep Lot:**	KWG0803135	**Report Group:**	K0802637
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	699274	**Prep Date:**	04/03/2008		

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:	Volatile Organic Compounds	**Report List ID:**	LJ8580
Tune Ref:	J:\MS13\DATA\040308\0403F002.D	**Method ID:**	MJ119
MB Ref:	J:\MS13\DATA\040308\0403F008.D	**Quant based on Report List**	

Data File:	J:\MS13\DATA\040308\0403F012.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 22:29	**Quant Date:**	04/03/2008 23:21	**Vial:**	12
Run Type:	DL			**Dilution:**	5.0
Lab ID:	K0802637-002			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	6.14	0.00	96	496635	10.00	OK
2	Chlorobenzene-d5	12.05	0.00	82	212871	10.00	OK
3	1,4-Dichlorobenzene-d4	15.08	0.00	152	188793	10.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	Dibromofluoromethane	5.13	0.00	0.00	113	110427	10.07	101	75-120	OK	NR
1	Toluene-d8	9.33	-0.01	0.00	98	514106	10.78	108	80-128	OK	NR
2	4-Bromofluorobenzene	13.71	0.00	0.00	95	185739	9.79	98	75-117	OK	NR

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane				85	0		0.83	U	NR
1	Chloromethane				50	0		0.68	U	NR
1	Vinyl Chloride				62	0		0.21	U	NR
1	Bromomethane				96	0		1.1	U	NR
1	Chloroethane				64	0		1.2	U	NR
1	Trichlorofluoromethane				101	0		0.66	U	NR
1	1,1-Dichloroethene	2.40		0.00	96	189867	19.41	97	D	
1	Acetone	2.52		0.00	43	4836	2.81	21	U	NR
1	Carbon Disulfide				76	0		0.80	U	NR
1	Methylene Chloride	2.92	-0.01	0.00	84	1752	0.1300	0.97	U	NR
1	trans-1,2-Dichloroethene				96	0		0.72	U	NR
1	1,1-Dichloroethane	3.68		0.00	63	15333	0.6900	3.5	D	NR
1	2,2-Dichloropropane				77	0		0.87	U	NR
1	cis-1,2-Dichloroethene	4.45	0.02	0.00	96	567	0.0400	0.58	U	NR
1	2-Butanone (MEK)				72	0		12	U	NR

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F012.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 22:29	**Quant Date:**	04/03/2008 23:21	**Vial:**	12
Run Type:	DL			**Dilution:**	5.0
Lab ID:	K0802637-002			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Bromochloromethane				128	0		0.82	U	NR
1	Chloroform	4.89		0.00	83	3941	0.1800	0.90	JD	NR
1	1,1,1-Trichloroethane (TCA)	5.04	-0.01	0.00	97	7534	0.4400	2.2	JD	NR
1	Carbon Tetrachloride				117	0d		0.70	U	NR
1	1,1-Dichloropropene				75	0		0.75	U	NR
1	Benzene				78	0d		0.68	U	NR
1	1,2-Dichloroethane (EDC)	5.80		0.00	62	9365	0.6000	3.0	D	NR
1	Trichloroethene (TCE)	6.74	-0.01	0.00	95	1480	0.1200	0.67	U	NR
1	1,2-Dichloropropane				63	0		0.70	U	NR
1	Dibromomethane				93	0		0.60	U	NR
1	Bromodichloromethane				83	0		0.55	U	NR
1	cis-1,3-Dichloropropene				75	0		0.55	U	NR
1	4-Methyl-2-pentanone (MIBK)				58	0d		14	U	NR
1	Toluene				92	0		0.54	U	NR
2	trans-1,3-Dichloropropene				75	0		0.45	U	NR
2	1,1,2-Trichloroethane	10.58		0.00	83	11576	1.69	8.5	D	NR
2	Tetrachloroethene (PCE)				164	0		0.63	U	NR
2	2-Hexanone				57	0		20	U	NR
2	1,3-Dichloropropane				76	0		0.74	U	NR
2	Dibromochloromethane				129	0		0.52	U	NR
2	1,2-Dibromoethane (EDB)				107	0		0.50	U	NR
2	Chlorobenzene				112	0		0.67	U	NR
2	Ethylbenzene				106	0		0.65	U	NR
2	1,1,1,2-Tetrachloroethane				131	0		0.56	U	NR
2	m,p-Xylenes				106	0		1.1	U	NR
2	o-Xylene				106	0		0.51	U	NR
2	Styrene				103	0		0.48	U	NR
2	Bromoform				173	0		1.4	U	NR
2	Isopropylbenzene				105	0		0.53	U	NR
3	1,1,2,2-Tetrachloroethane				83	0		0.69	U	NR
3	Bromobenzene				156	0		0.86	U	NR
3	n-Propylbenzene				91	0		0.49	U	NR
3	1,2,3-Trichloropropane				110	0		1.2	U	NR
3	2-Chlorotoluene				91	0		0.56	U	NR
3	1,3,5-Trimethylbenzene				105	0		0.61	U	NR
3	4-Chlorotoluene				91	0		0.59	U	NR
3	tert-Butylbenzene				119	0		0.61	U	NR
3	1,2,4-Trimethylbenzene				105	0		0.71	U	NR
3	sec-Butylbenzene				105	0		0.64	U	NR
3	4-Isopropyltoluene				119	0		0.64	U	NR
3	1,3-Dichlorobenzene				146	0		0.51	U	NR
3	1,4-Dichlorobenzene				146	0		0.57	U	NR

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D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F012.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 22:29	**Quant Date:**	04/03/2008 23:21	**Vial:**	12
Run Type:	DL			**Dilution:**	5.0
Lab ID:	K0802637-002			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
3	n-Butylbenzene				91	0		1.2	U	NR
3	1,2-Dichlorobenzene				146	0		0.56	U	NR
3	1,2-Dibromo-3-chloropropane				155	0		5.0	U	NR
3	1,3,5-Trichlorobenzene				180	0d		1.8	U	NR
3	1,2,4-Trichlorobenzene				180	0		1.1	U	NR
3	Hexachlorobutadiene				225	0		1.4	U	NR
3	Naphthalene				128	0		1.5	U	NR
3	1,2,3-Trichlorobenzene				180	0		1.7	U	NR

Prep Amount: 10 ml **Dilution:** 5.0
Prep Final Vol: 10 ml **Unit Factor:** 1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

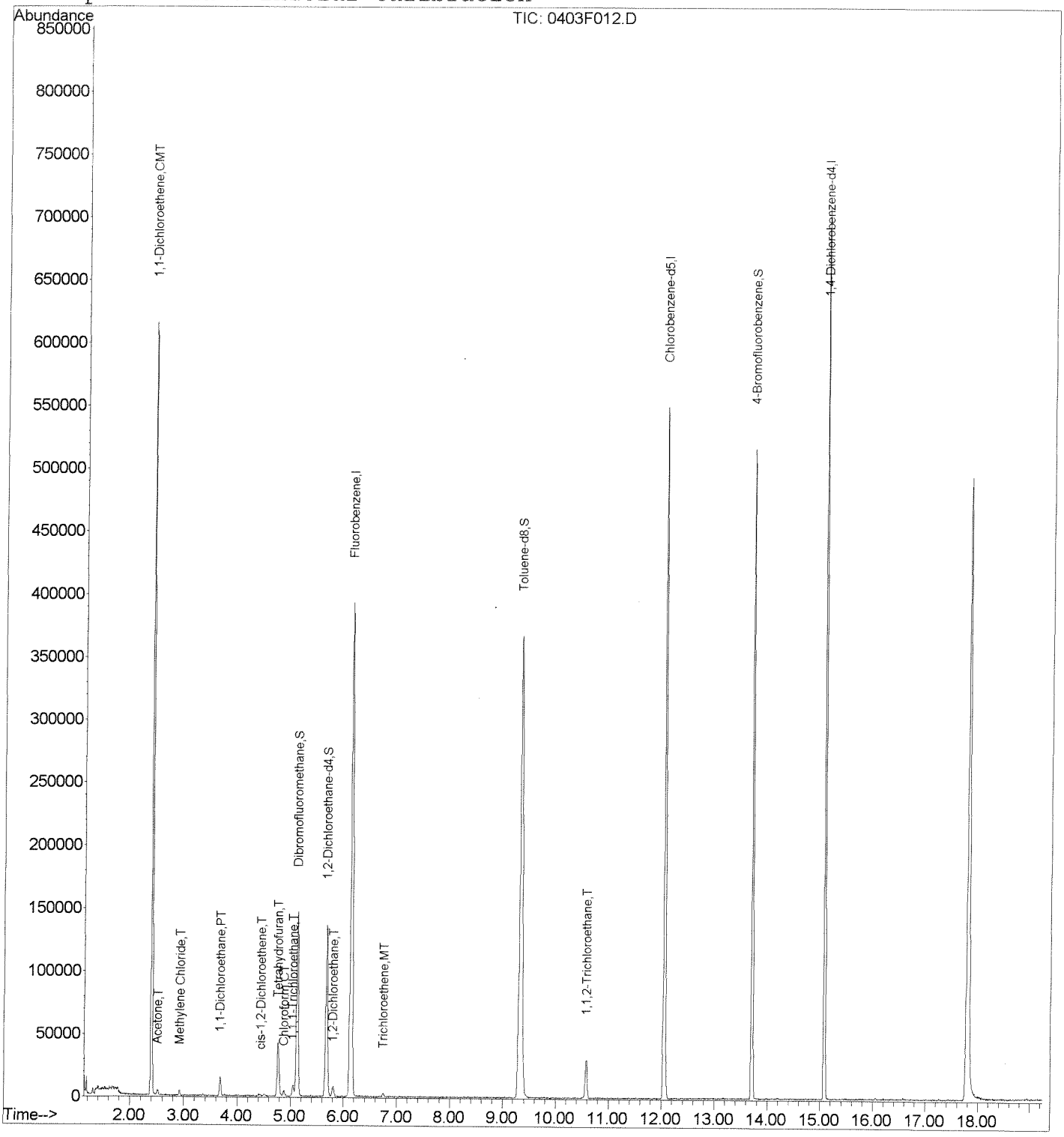
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

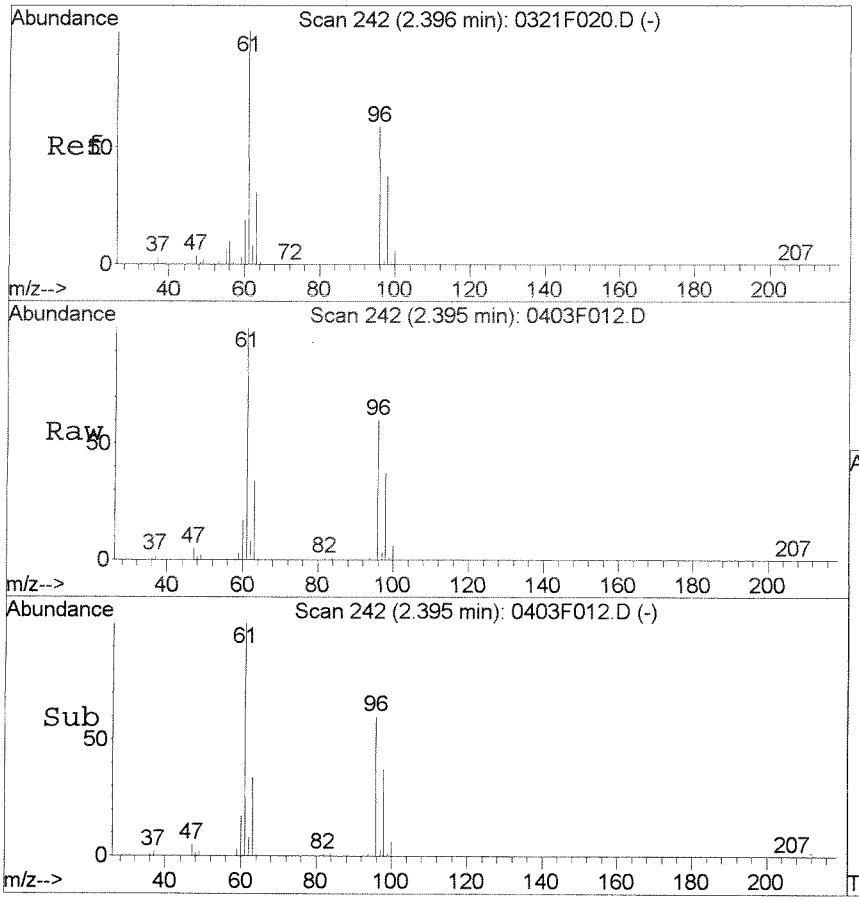
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS13\DATA\040308\0403F012.D Vial: 12
Acq On : 3 Apr 2008 10:29 pm Operator:
Sample : K0802637-002DIL 5X Inst : MS13
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 3 23:21 2008 Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration

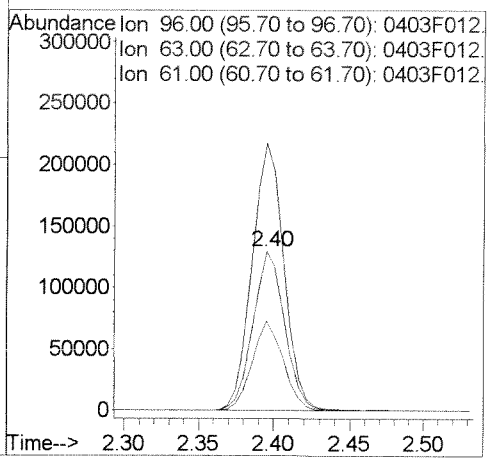


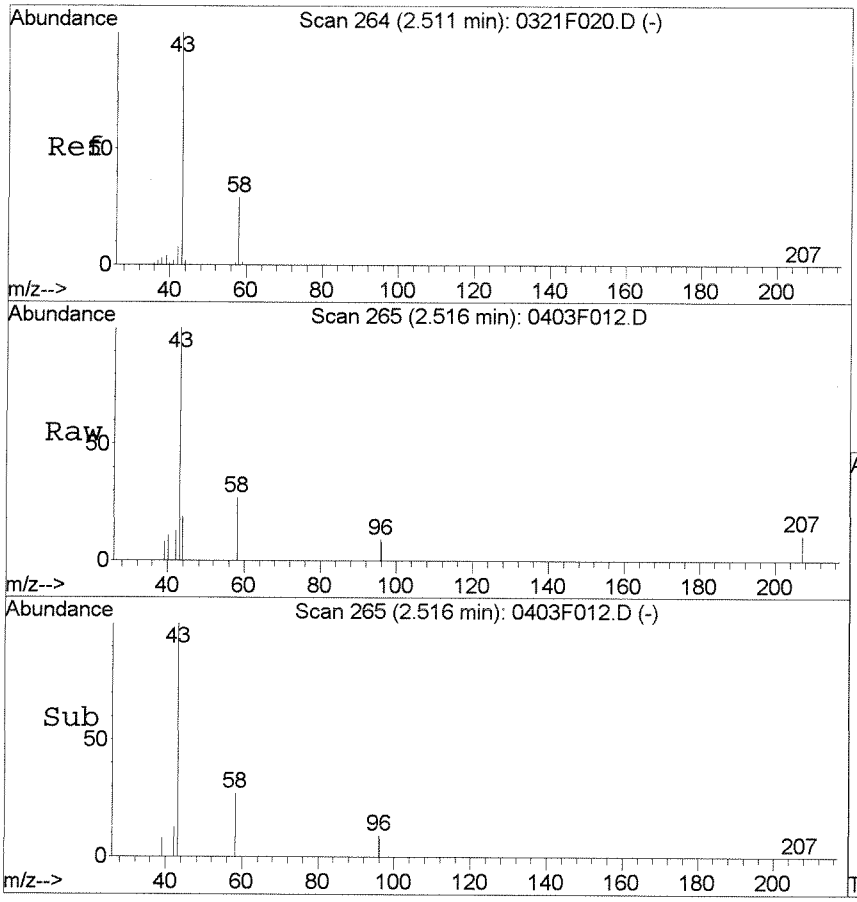


#12
1,1-Dichloroethene
Concen: 19.41 PPB
RT: 2.40 min Scan# 242
Delta R.T. 0.00 min
Lab File: 0403F012.D
Acq: 3 Apr 2008 10:29 pm

Tgt Ion: 96 Resp: 189867

Ion	Ratio	Lower	Upper
96	100		
63	56.3	22.2	82.2
61	167.9	139.1	199.1

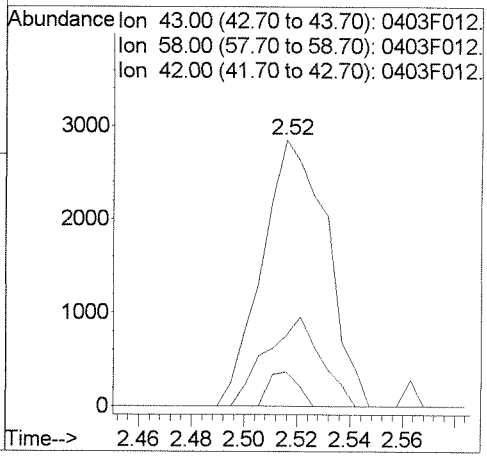


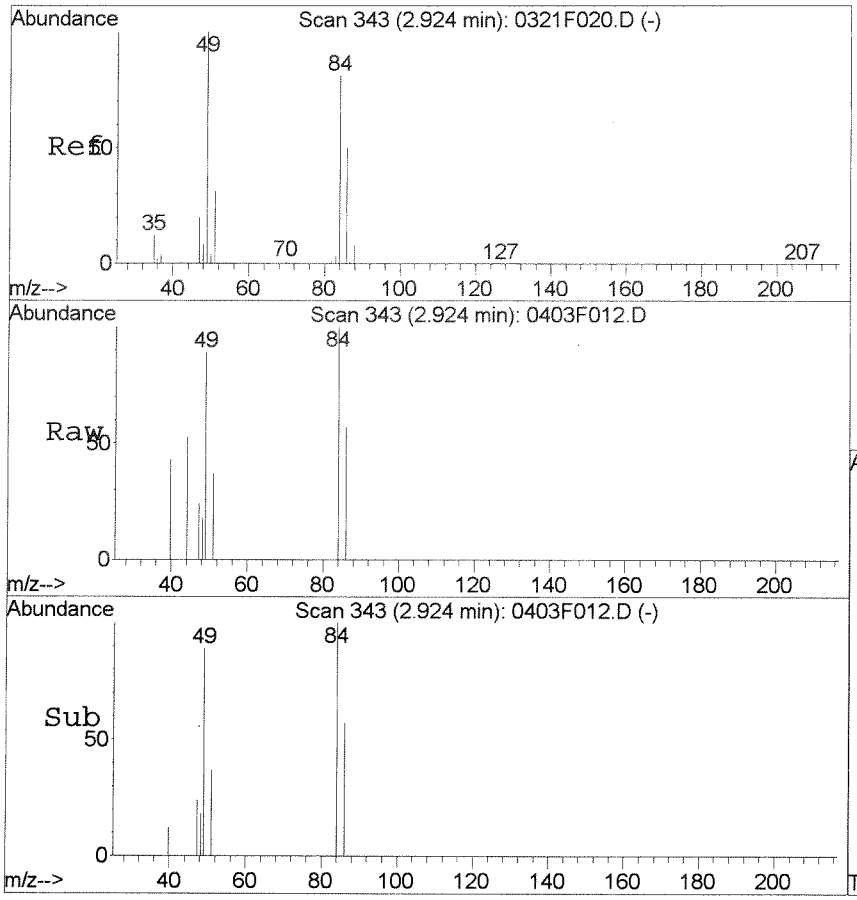


#13
Acetone
Concen: 2.81 PPB
RT: 2.52 min Scan# 265
Delta R.T. 0.01 min
Lab File: 0403F012.D
Acq: 3 Apr 2008 10:29 pm

Tgt Ion: 43 Resp: 4836

Ion	Ratio	Lower	Upper
43	100		
58	26.5	0.0	59.0
42	12.9	0.0	38.2

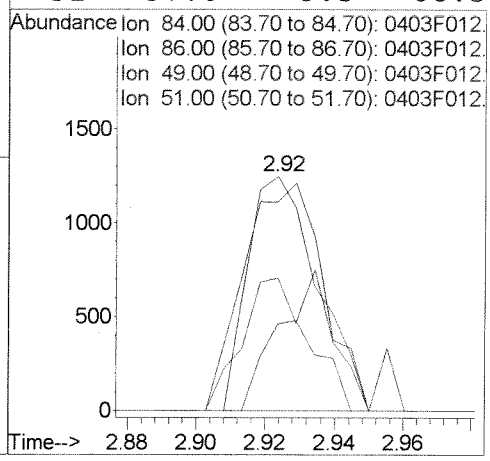


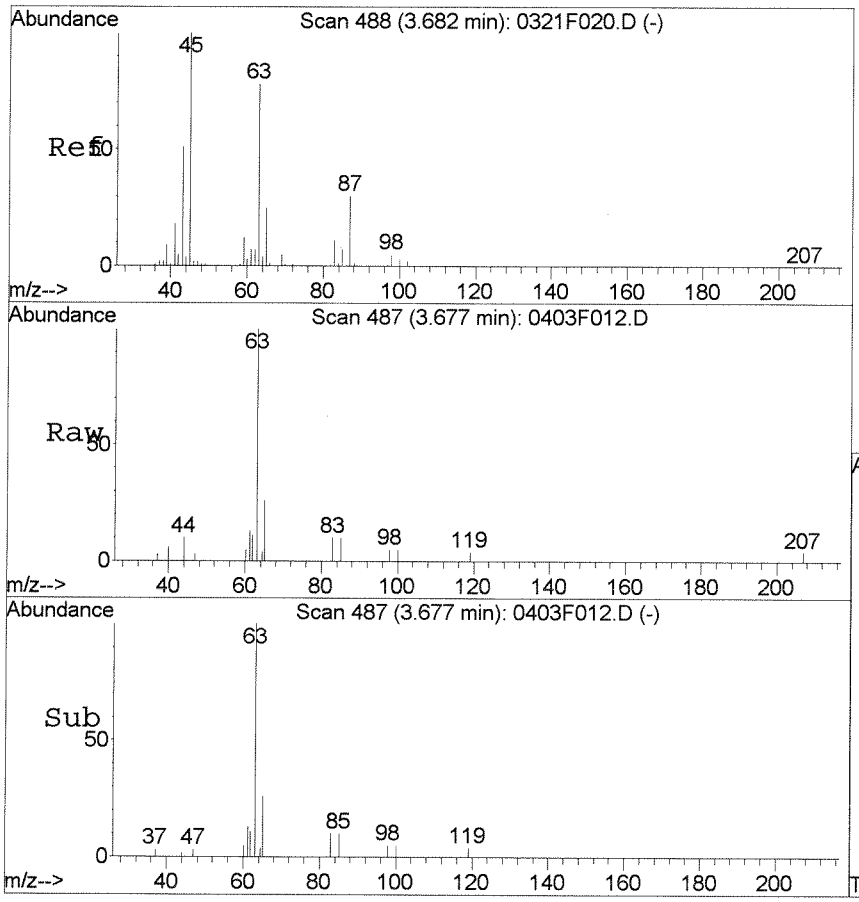


#18
Methylene Chloride
Concen: 0.13 PPB
RT: 2.92 min Scan# 343
Delta R.T. 0.00 min
Lab File: 0403F012.D
Acq: 3 Apr 2008 10:29 pm

Tgt Ion: 84 Resp: 1752

Ion	Ratio	Lower	Upper
84	100		
86	56.6	32.7	92.7
49	89.1	92.8	152.8#
51	37.0	8.5	68.5

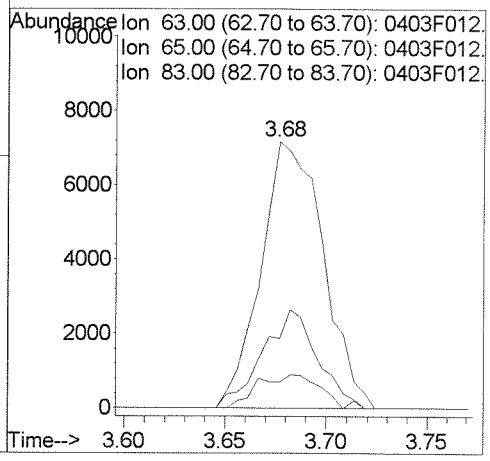


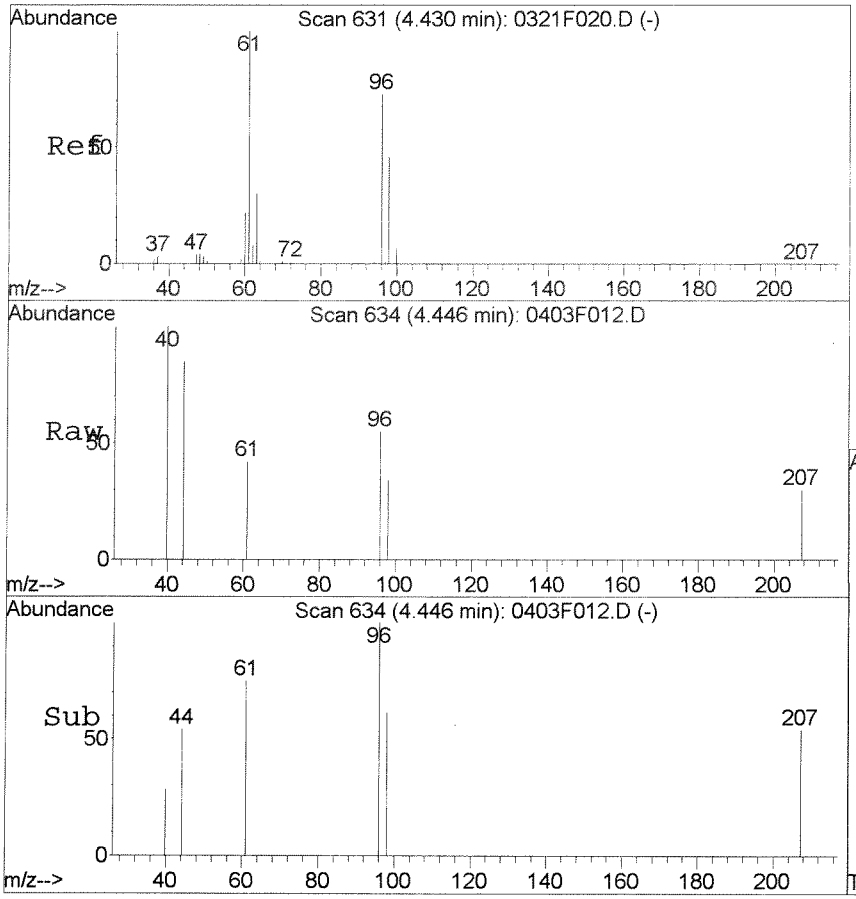


#25
1,1-Dichloroethane
Concen: 0.69 PPB
RT: 3.68 min Scan# 487
Delta R.T. -0.01 min
Lab File: 0403F012.D
Acq: 3 Apr 2008 10:29 pm

Tgt Ion: 63 Resp: 15333

Ion	Ratio	Lower	Upper
63	100		
65	26.0	2.0	62.0
83	9.8	0.0	43.5

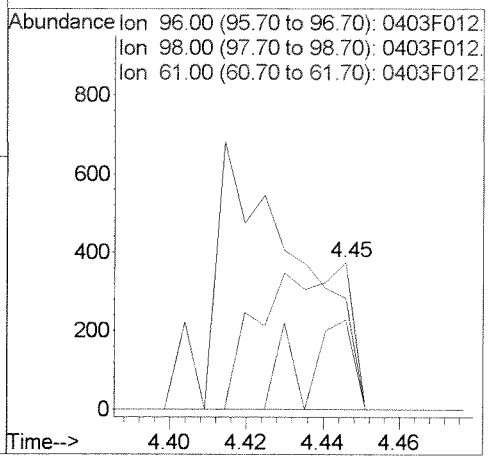


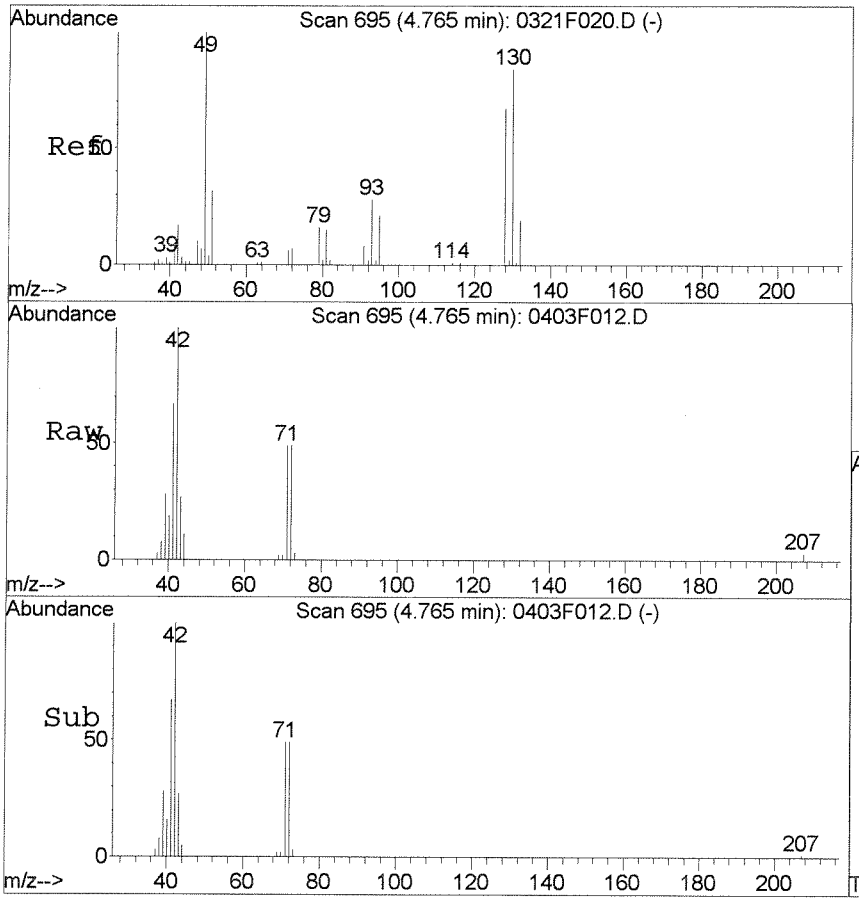


#30
cis-1,2-Dichloroethene
Concen: 0.04 PPB
RT: 4.45 min Scan# 634
Delta R.T. 0.02 min
Lab File: 0403F012.D
Acq: 3 Apr 2008 10:29 pm

Tgt Ion: 96 Resp: 567

Ion	Ratio	Lower	Upper
96	100		
98	60.8	33.3	93.3
61	75.5	107.2	167.2#

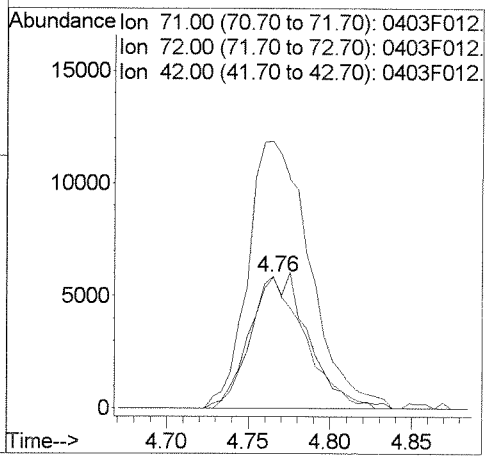


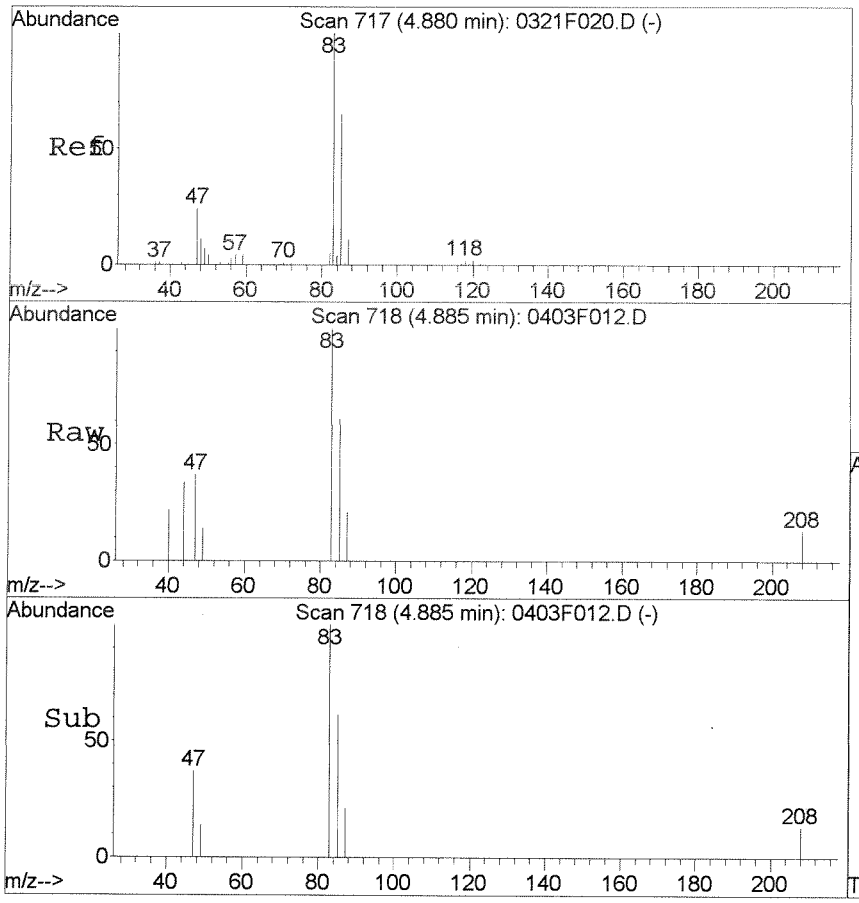


#36
Tetrahydrofuran
Concen: 24.15 PPB
RT: 4.76 min Scan# 695
Delta R.T. -0.00 min
Lab File: 0403F012.D
Acq: 3 Apr 2008 10:29 pm

Tgt Ion: 71 Resp: 13665

Ion	Ratio	Lower	Upper
71	100		
72	99.4	79.7	139.7
42	202.5	230.0	290.0#

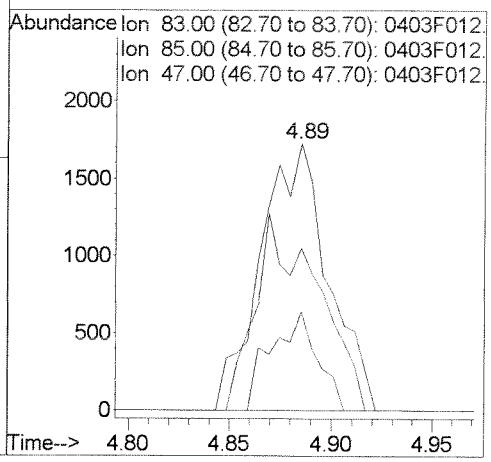


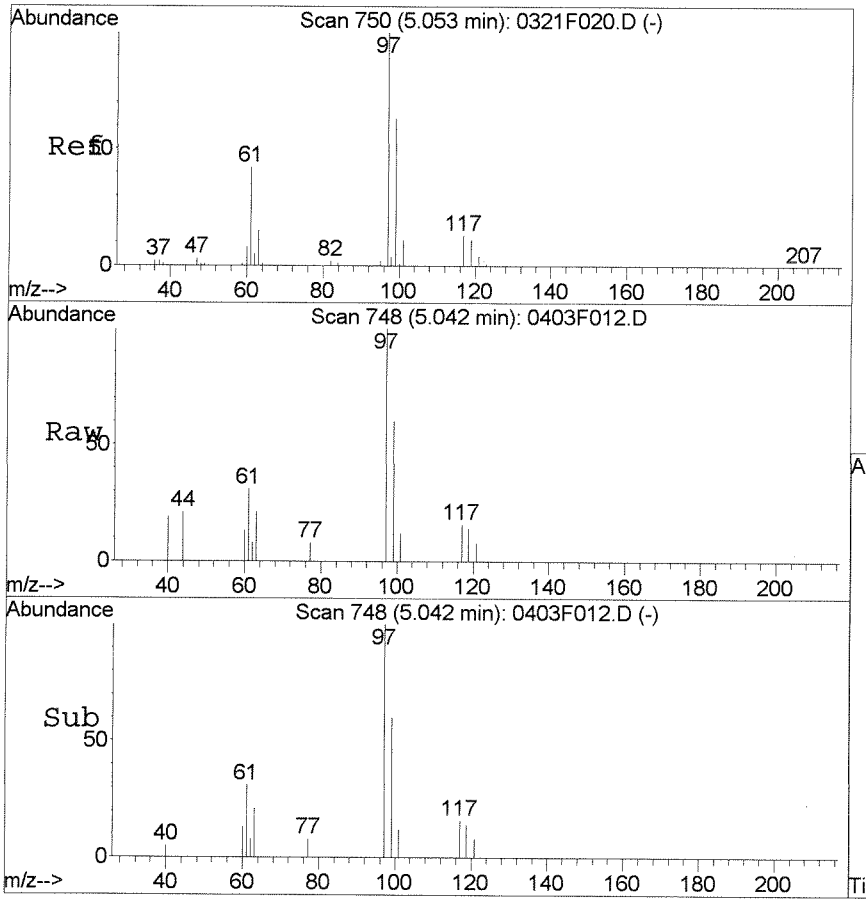


#37
Chloroform
Concen: 0.18 PPB
RT: 4.89 min Scan# 718
Delta R.T. 0.01 min
Lab File: 0403F012.D
Acq: 3 Apr 2008 10:29 pm

Tgt Ion: 83 Resp: 3941

Ion	Ratio	Lower	Upper
83	100		
85	60.8	35.1	95.1
47	37.0	0.0	53.9

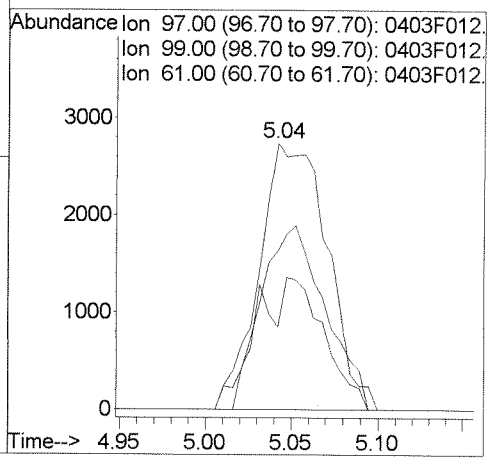


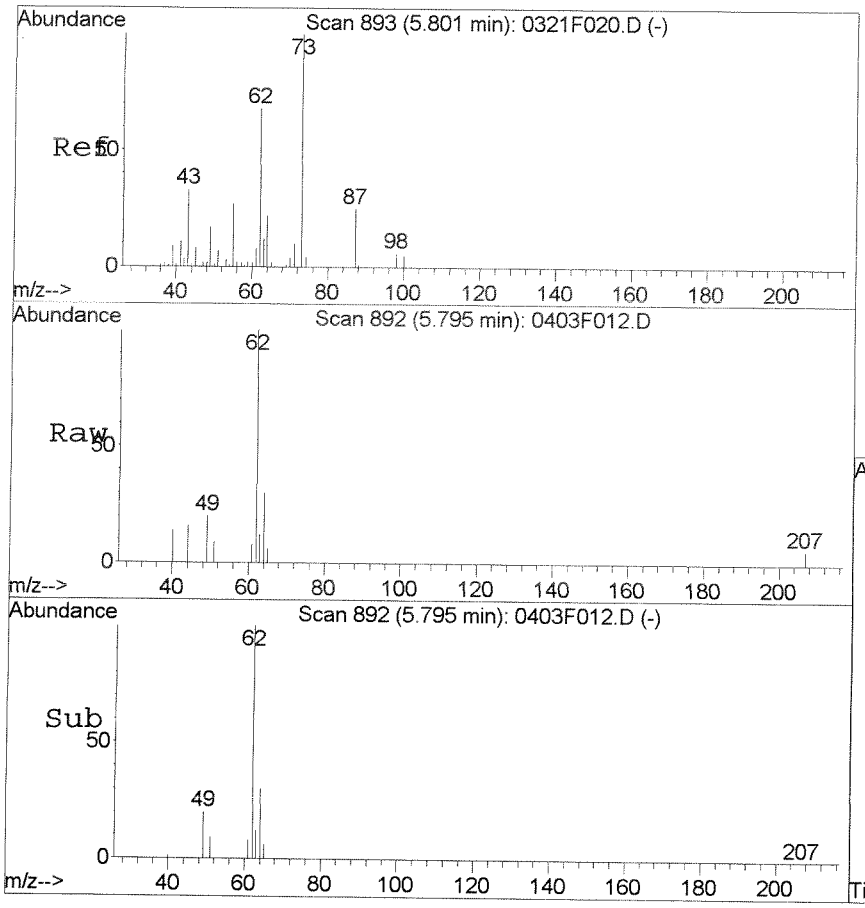


#39
1,1,1-Trichloroethane
Concen: 0.44 PPB
RT: 5.04 min Scan# 748
Delta R.T. -0.01 min
Lab File: 0403F012.D
Acq: 3 Apr 2008 10:29 pm

Tgt Ion: 97 Resp: 7534

Ion	Ratio	Lower	Upper
97	100		
99	59.6	32.9	92.9
61	31.1	12.1	72.1

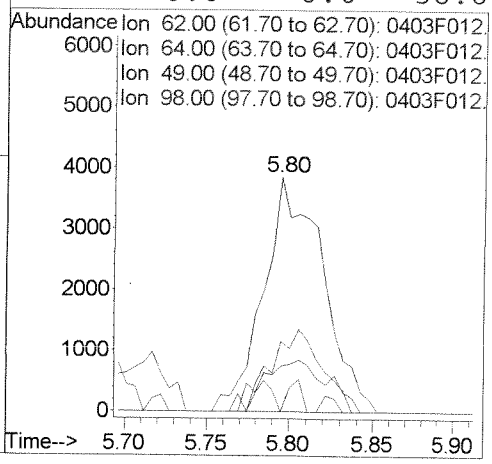


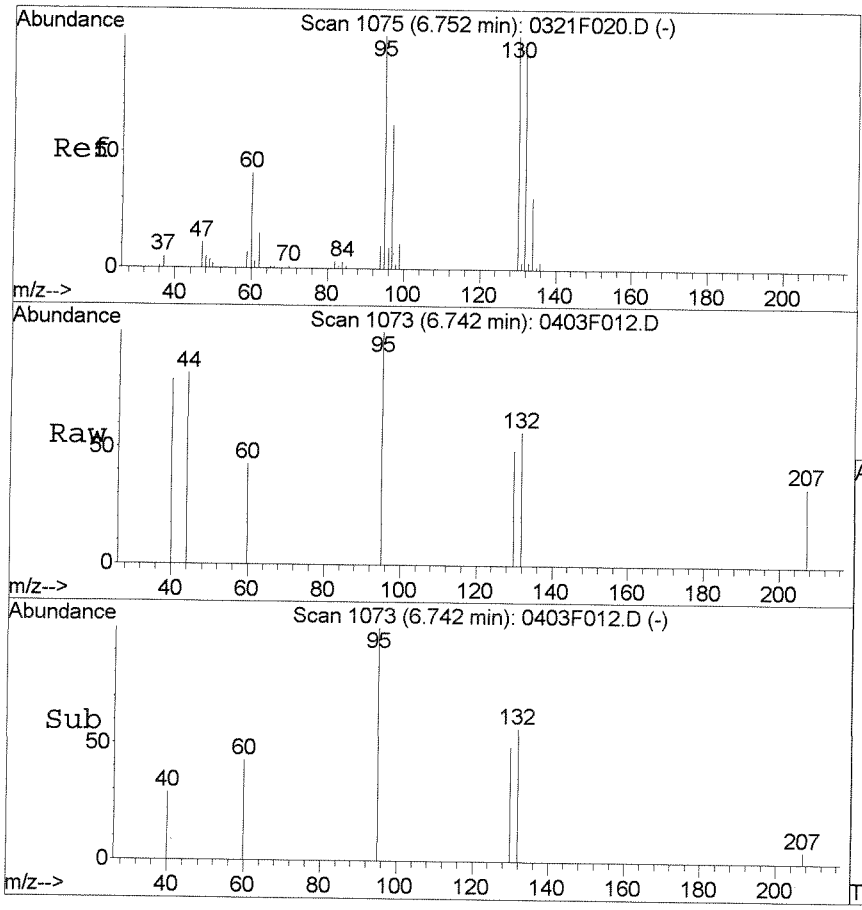


#46
1,2-Dichloroethane
Concen: 0.60 PPB
RT: 5.80 min Scan# 892
Delta R.T. -0.01 min
Lab File: 0403F012.D
Acq: 3 Apr 2008 10:29 pm

Tgt Ion: 62 Resp: 9365

Ion	Ratio	Lower	Upper
62	100		
64	30.1	3.1	63.1
49	19.5	0.0	55.1
98	0.0	0.0	38.6

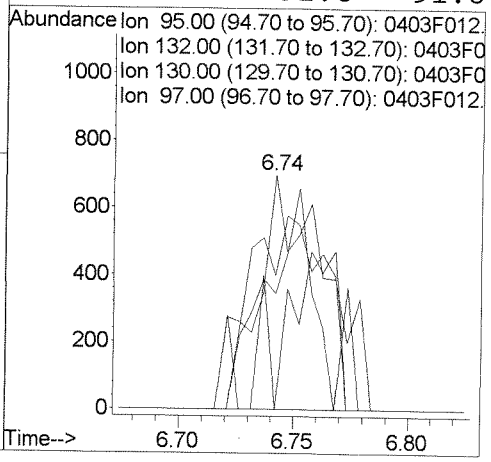


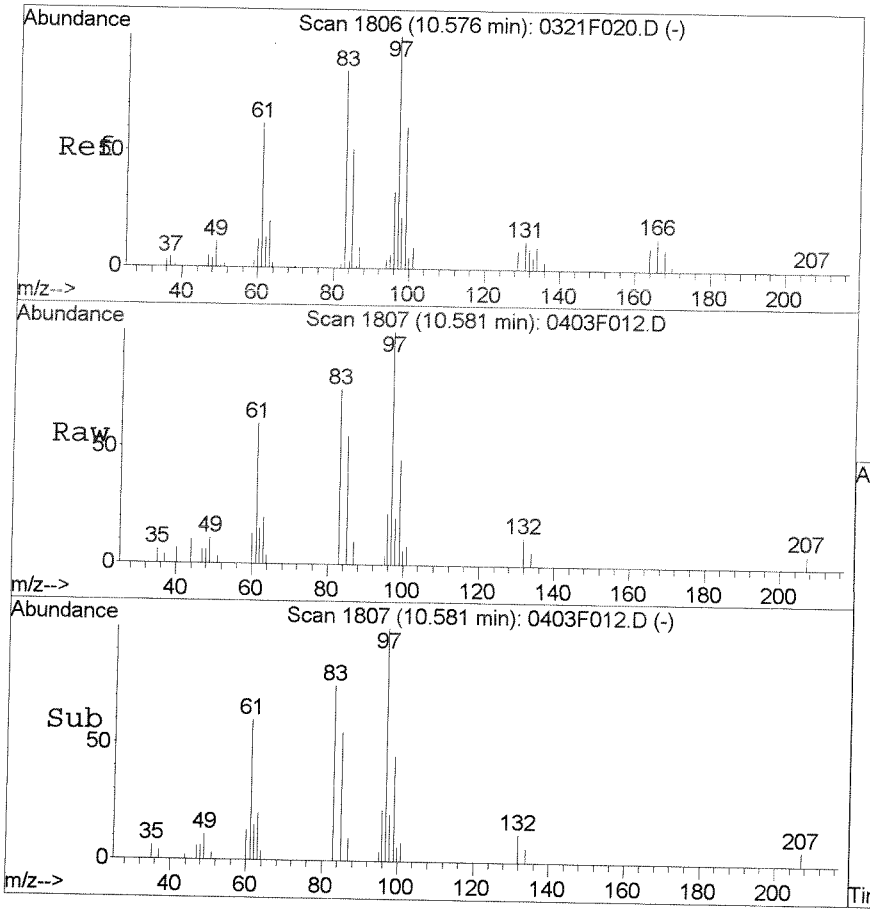


#48
Trichloroethene
Concen: 0.12 PPB
RT: 6.74 min Scan# 1073
Delta R.T. -0.01 min
Lab File: 0403F012.D
Acq: 3 Apr 2008 10:29 pm

Tgt Ion: 95 Resp: 1480

Ion	Ratio	Lower	Upper
95	100		
132	57.2	63.5	123.5#
130	49.4	69.7	129.7#
97	0.0	31.8	91.8#

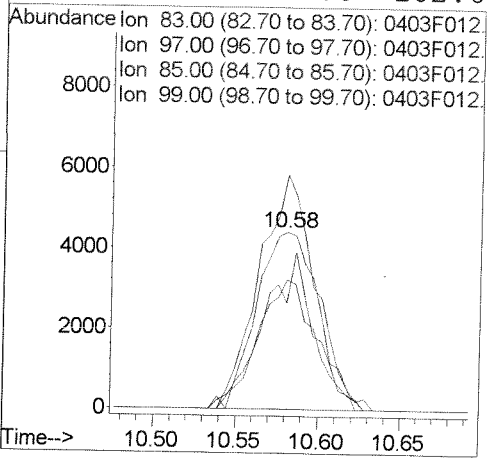




#64
1,1,2-Trichloroethane
Concen: 1.69 PPB
RT: 10.58 min Scan# 1807
Delta R.T. 0.01 min
Lab File: 0403F012.D
Acq: 3 Apr 2008 10:29 pm

Tgt Ion: 83 Resp: 11576

Ion	Ratio	Lower	Upper
83	100		
97	132.5	87.2	147.2
85	73.1	30.3	90.3
99	60.1	42.0	102.0



Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: 03/24/2008
Date Received: 03/27/2008

Volatile Organic Compounds

Sample Name: KEP-GW-010A-003
Lab Code: K0802637-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	**0.17**	J	0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
Chloromethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Vinyl Chloride	ND	U	0.50	0.042	1	04/02/08	04/02/08	KWG0803087	
Bromomethane	ND	U	0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
Chloroethane	ND	U	0.50	0.23	1	04/02/08	04/02/08	KWG0803087	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Acetone	**18**	J	20	4.1	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethene	**57**		0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
Carbon Disulfide	ND	U	0.50	0.16	1	04/02/08	04/02/08	KWG0803087	
Methylene Chloride	ND	U	2.0	0.20	1	04/02/08	04/02/08	KWG0803087	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethane	**1.7**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
2-Butanone (MEK)	ND	U	20	2.3	1	04/02/08	04/02/08	KWG0803087	
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/02/08	04/02/08	KWG0803087	
cis-1,2-Dichloroethene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Chloroform	**0.48**	J	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromochloromethane	ND	U	0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
1,1,1-Trichloroethane (TCA)	**1.1**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloroethane (EDC)	**0.93**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Benzene	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Trichloroethene (TCE)	**0.27**	J	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromodichloromethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Dibromomethane	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
2-Hexanone	ND	U	20	4.0	1	04/02/08	04/02/08	KWG0803087	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Toluene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/02/08	04/02/08	KWG0803087	
1,1,2-Trichloroethane	**2.3**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: 03/24/2008
Date Received: 03/27/2008

Volatile Organic Compounds

Sample Name: KEP-GW-010A-003
Lab Code: K0802637-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
Dibromochloromethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/02/08	04/02/08	KWG0803087	
Chlorobenzene	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Ethylbenzene	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
m,p-Xylenes	ND	U	0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
o-Xylene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Styrene	ND	U	0.50	0.095	1	04/02/08	04/02/08	KWG0803087	
Bromoform	ND	U	0.50	0.28	1	04/02/08	04/02/08	KWG0803087	
Isopropylbenzene	ND	U	2.0	0.11	1	04/02/08	04/02/08	KWG0803087	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/02/08	04/02/08	KWG0803087	
Bromobenzene	ND	U	2.0	0.18	1	04/02/08	04/02/08	KWG0803087	
n-Propylbenzene	ND	U	2.0	0.098	1	04/02/08	04/02/08	KWG0803087	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/02/08	04/02/08	KWG0803087	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
n-Butylbenzene	ND	U	2.0	0.23	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/02/08	04/02/08	KWG0803087	
Naphthalene	ND	U	2.0	0.29	1	04/02/08	04/02/08	KWG0803087	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: 03/24/2008
Date Received: 03/27/2008

Volatile Organic Compounds

Sample Name: KEP-GW-010A-003
Lab Code: K0802637-003

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	95	75-120	04/02/08	Acceptable
Toluene-d8	111	80-128	04/02/08	Acceptable
4-Bromofluorobenzene	101	75-117	04/02/08	Acceptable

Comments:

Exception Report

Data File: J:\MS13\DATA\040208\0402F015.D
Lab ID: K0802637-003
RunType: SMPL
Matrix: WATER

Date Acquired: 04/02/2008 22:15
Date Quantitated: 04/03/2008 15:27
Batch ID: KWG0803086
Analysis Method: 8260B
ListJoinID: LJ8580

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Reanalyze for 11-DCE
d.o.

Primary Review: LB 4/3/08

Secondary Review: HR 04/04/08

Quantitation Report

Bottle ID:		**Tier:**	III	**Matrix:**	WATER
Prod Code:	8260B VOC_FP	**Collect Date:**	03/24/2008	**Receive Date:**	03/27/2008

Analysis Lot:	KWG0803086	**Prep Lot:**	KWG0803087	**Report Group:**	K0802637
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	698943	**Prep Date:**	04/02/2008		

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:	Volatile Organic Compounds	**Report List ID:**	LJ8580
Tune Ref:	J:\MS13\DATA\040208\0402F002.D	**Method ID:**	MJ119
MB Ref:	J:\MS13\DATA\040208\0402F010.D	**Quant based on Report List**	

Data File:	J:\MS13\DATA\040208\0402F015.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 22:15	**Quant Date:**	04/03/2008 15:27	**Vial:**	15
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802637-003			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	6.13	-0.01	96	539035	10.00	OK
2	Chlorobenzene-d5	12.05	0.00	82	233046	10.00	OK
3	1,4-Dichlorobenzene-d4	15.08	0.00	152	214922	10.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	Dibromofluoromethane	5.13	0.00	0.00	113	113191	9.51	95	75-120	OK	
1	Toluene-d8	9.33	0.00	0.00	98	574470	11.10	111	80-128	OK	
2	4-Bromofluorobenzene	13.71	0.00	0.00	95	209533	10.09	101	75-117	OK	

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane	1.20		0.00	85	2282	0.1700	0.17	J	
1	Chloromethane				50	0**d**		0.14	U	
1	Vinyl Chloride				62	0		0.042	U	
1	Bromomethane				96	0		0.22	U	
1	Chloroethane				64	0		0.23	U	
1	Trichlorofluoromethane				101	0		0.14	U	
1	1,1-Dichloroethene	2.40		0.00	96	601872	56.70	57		
1	Acetone	2.52		0.00	43	33734	18.05	18	J	
1	Carbon Disulfide				76	0**d**		0.16	U	
1	Methylene Chloride				84	0		0.20	U	
1	trans-1,2-Dichloroethene				96	0		0.15	U	
1	1,1-Dichloroethane	3.68		0.00	63	41119	1.72	1.7		
1	2,2-Dichloropropane				77	0		0.18	U	
1	cis-1,2-Dichloroethene	4.42	-0.02	0.00	96	1366	0.1000	0.12	U	
1	2-Butanone (MEK)				72	0		2.3	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040208\0402F015.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 22:15	**Quant Date:**	04/03/2008 15:27	**Vial:**	15
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802637-003			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Bromochloromethane				128	0		0.17	U	
1	Chloroform	4.88	-0.01	0.00	83	11076	0.4800	0.48	J	
1	1,1,1-Trichloroethane (TCA)	5.05		0.00	97	20417	1.09	1.1		
1	Carbon Tetrachloride				117	0**d**		0.14	U	
1	1,1-Dichloropropene				75	0		0.15	U	
1	Benzene	5.61	-0.01	0.00	78	2260	0.0400	0.14	U	
1	1,2-Dichloroethane (EDC)	5.81		0.00	62	15812	0.9300	0.93		
1	Trichloroethene (TCE)	6.76	0.01	0.00	95	3552	0.2700	0.27	J	
1	1,2-Dichloropropane				63	0		0.14	U	
1	Dibromomethane				93	0		0.12	U	
1	Bromodichloromethane				83	0		0.11	U	
1	cis-1,3-Dichloropropene				75	0		0.11	U	
1	4-Methyl-2-pentanone (MIBK)				58	0**d**		2.7	U	
1	Toluene				92	0		0.11	U	
2	trans-1,3-Dichloropropene				75	0		0.090	U	
2	1,1,2-Trichloroethane	10.58		0.00	83	17507	2.33	2.3		
2	Tetrachloroethene (PCE)	10.54		0.00	164	836**m**	0.0700	0.13	U	
2	2-Hexanone				57	0		4.0	U	
2	1,3-Dichloropropane				76	0		0.15	U	
2	Dibromochloromethane				129	0		0.11	U	
2	1,2-Dibromoethane (EDB)				107	0		0.099	U	
2	Chlorobenzene	12.09		0.00	112	1415	0.0300	0.14	U	
2	Ethylbenzene				106	0		0.13	U	
2	1,1,1,2-Tetrachloroethane				131	0		0.12	U	
2	m,p-Xylenes				106	0		0.22	U	
2	o-Xylene				106	0		0.11	U	
2	Styrene				103	0		0.095	U	
2	Bromoform				173	0		0.28	U	
2	Isopropylbenzene				105	0		0.11	U	
3	1,1,2,2-Tetrachloroethane				83	0		0.14	U	
3	Bromobenzene				156	0		0.18	U	
3	n-Propylbenzene				91	0		0.098	U	
3	1,2,3-Trichloropropane				110	0		0.24	U	
3	2-Chlorotoluene				91	0		0.12	U	
3	1,3,5-Trimethylbenzene				105	0		0.13	U	
3	4-Chlorotoluene				91	0		0.12	U	
3	tert-Butylbenzene				119	0		0.13	U	
3	1,2,4-Trimethylbenzene				105	0		0.15	U	
3	sec-Butylbenzene				105	0		0.13	U	
3	4-Isopropyltoluene				119	0		0.13	U	
3	1,3-Dichlorobenzene				146	0**d**		0.11	U	
3	1,4-Dichlorobenzene				146	0**d**		0.12	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040208\0402F015.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 22:15	**Quant Date:**	04/03/2008 15:27	**Vial:**	15
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802637-003			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
3	n-Butylbenzene				91	0		0.23	U	
3	1,2-Dichlorobenzene				146	0		0.12	U	
3	1,2-Dibromo-3-chloropropane				155	0		1.0	U	
3	1,3,5-Trichlorobenzene				180	0**d**		0.35	U	
3	1,2,4-Trichlorobenzene				180	0		0.22	U	
3	Hexachlorobutadiene				225	0		0.28	U	
3	Naphthalene				128	0		0.29	U	
3	1,2,3-Trichlorobenzene				180	0		0.33	U	

Prep Amount: 10 ml **Dilution:** 1.0
Prep Final Vol: 10 ml **Unit Factor:** 1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

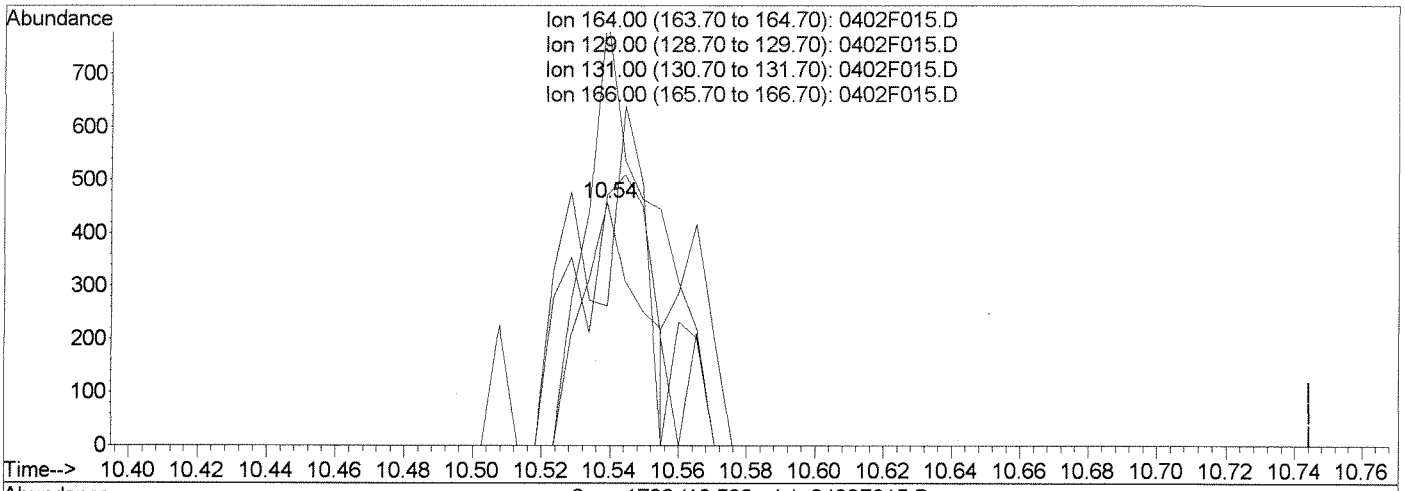
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

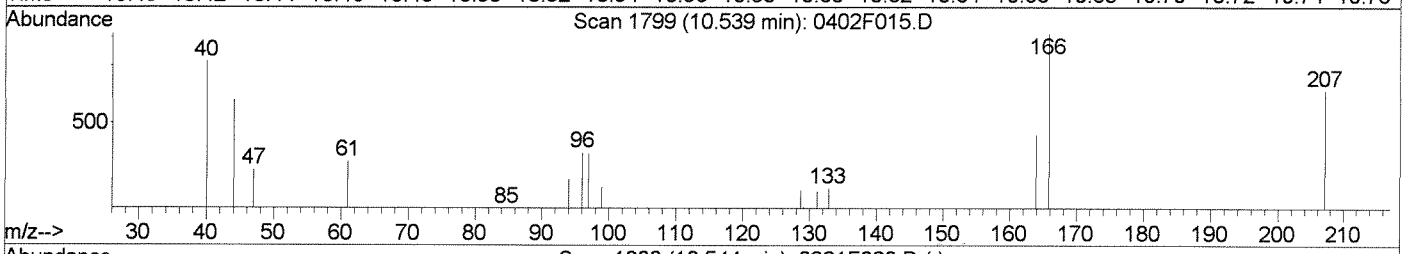
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

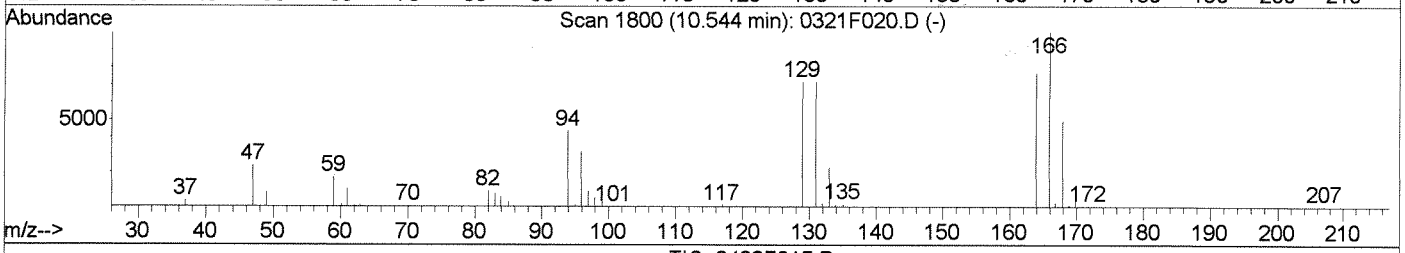
Quantitation Report (Qedit)

Data File : J:\MS13\DATA\040208\0402F015.D Vial: 15
Acq On : 2 Apr 2008 10:15 pm Operator:
Sample : K0802637-003 Inst : MS13
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 3 15:27 2008 Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration







TIC: 0402F015.D

(65) Tetrachloroethene (T)

10.54min 0.05PPB

response 553

Ion	Exp%	Act%
164.00	100	100
129.00	93.60	103.06
131.00	93.40	57.33#
166.00	130.10	177.90#

0402F015.D 032108_8260W.M Thu Apr 03 15:27:13 2008

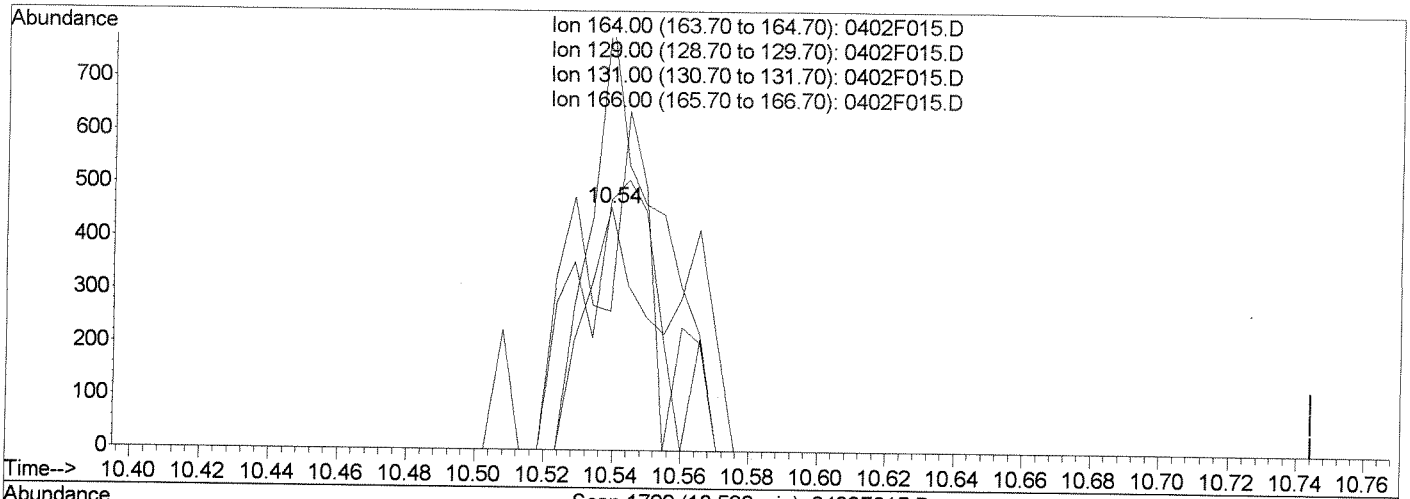
Quantitation Report (Qedit)

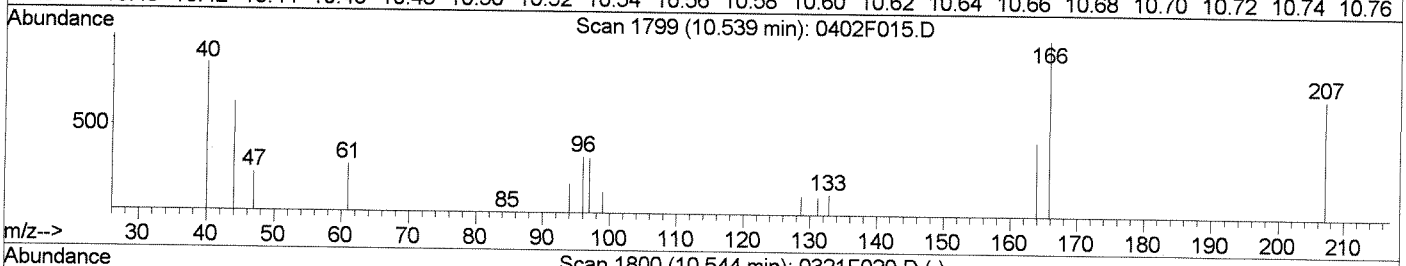
Data File : J:\MS13\DATA\040208\0402F015.D
Acq On : 2 Apr 2008 10:15 pm
Sample : K0802637-003
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 15:27 2008

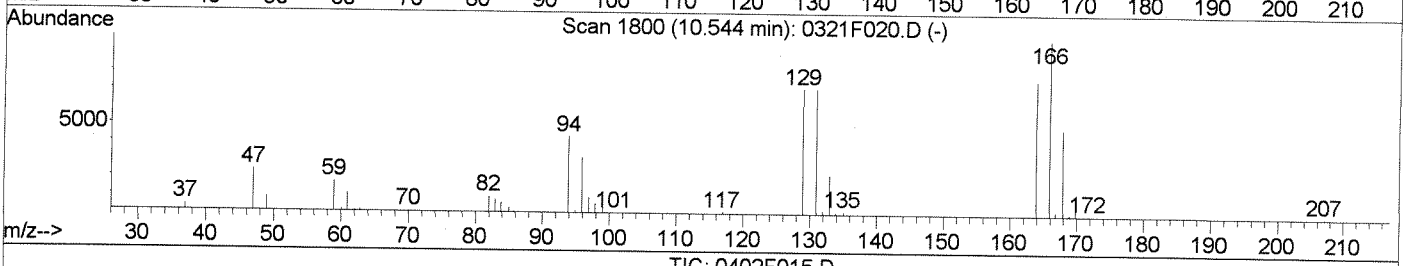
Vial: 15
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration







TIC: 0402F015.D

(65) Tetrachloroethene (T)

10.54min 0.07PPB m

response 836

Ion	Exp%	Act%
164.00	100	100
129.00	93.60	57.99#
131.00	93.40	57.33#
166.00	130.10	177.90#

Split peak
LB 413108

LMDL

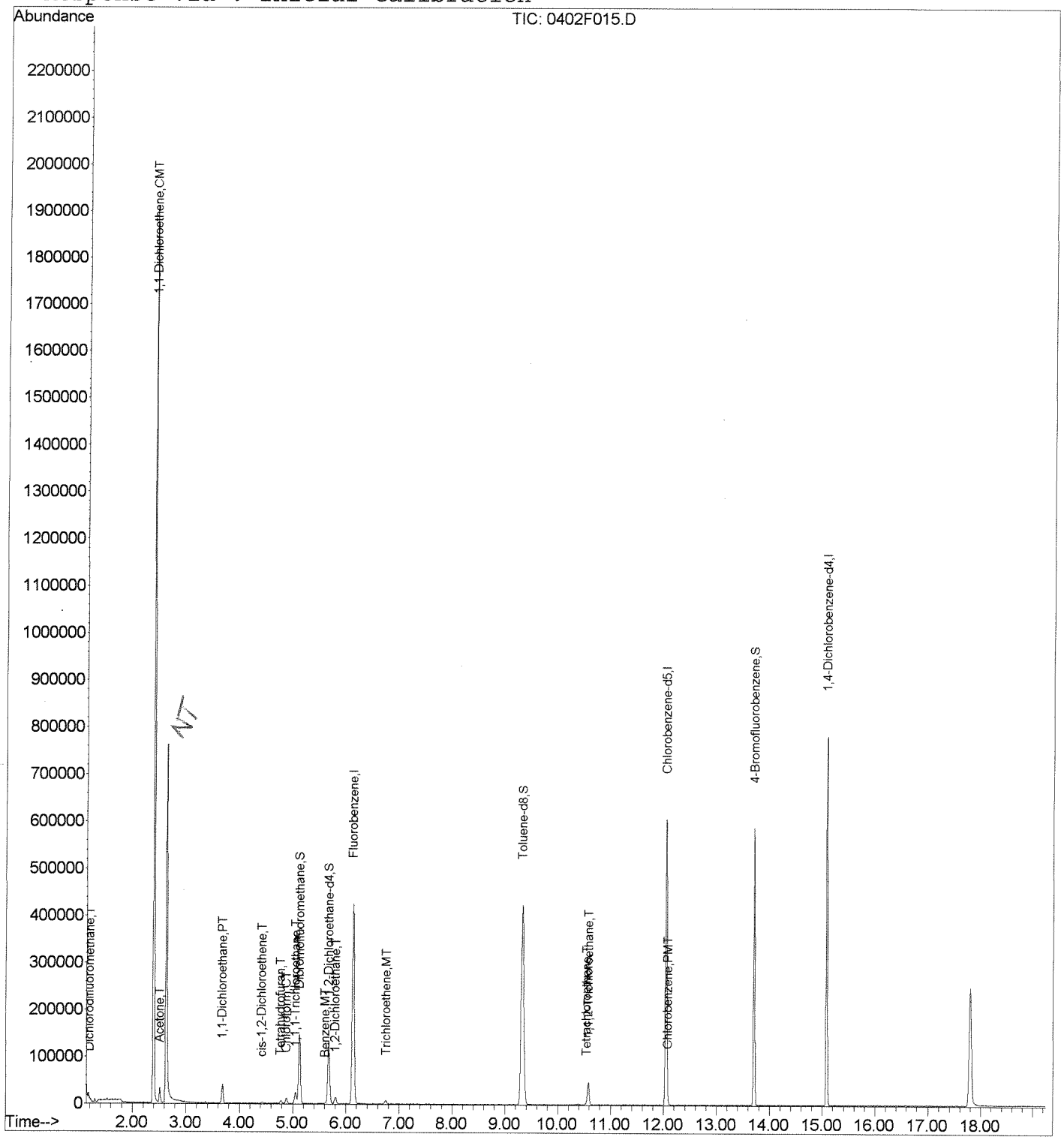
HC040408

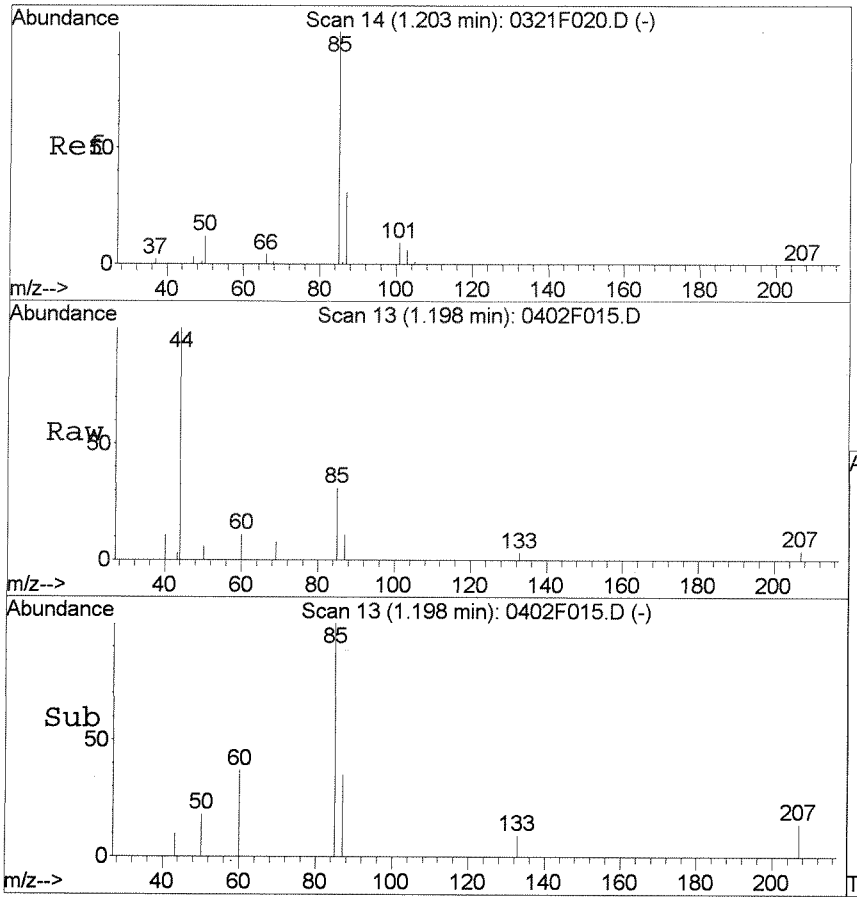
0402F015.D 032108_8260W.M Thu Apr 03 15:27:18 2008

Quantitation Report (QT Reviewed)

Data File : J:\MS13\DATA\040208\0402F015.D Vial: 15
Acq On : 2 Apr 2008 10:15 pm Operator:
Sample : K0802637-003 Inst : MS13
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 3 15:27 2008 Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration

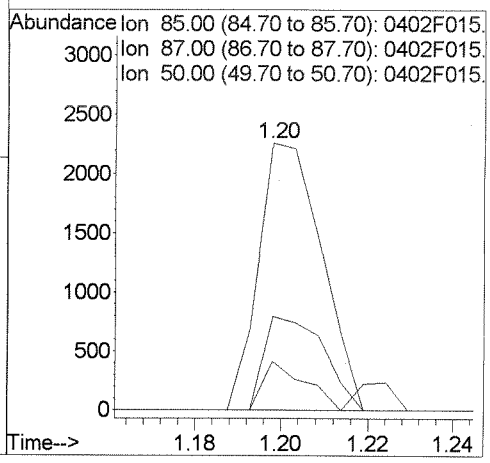


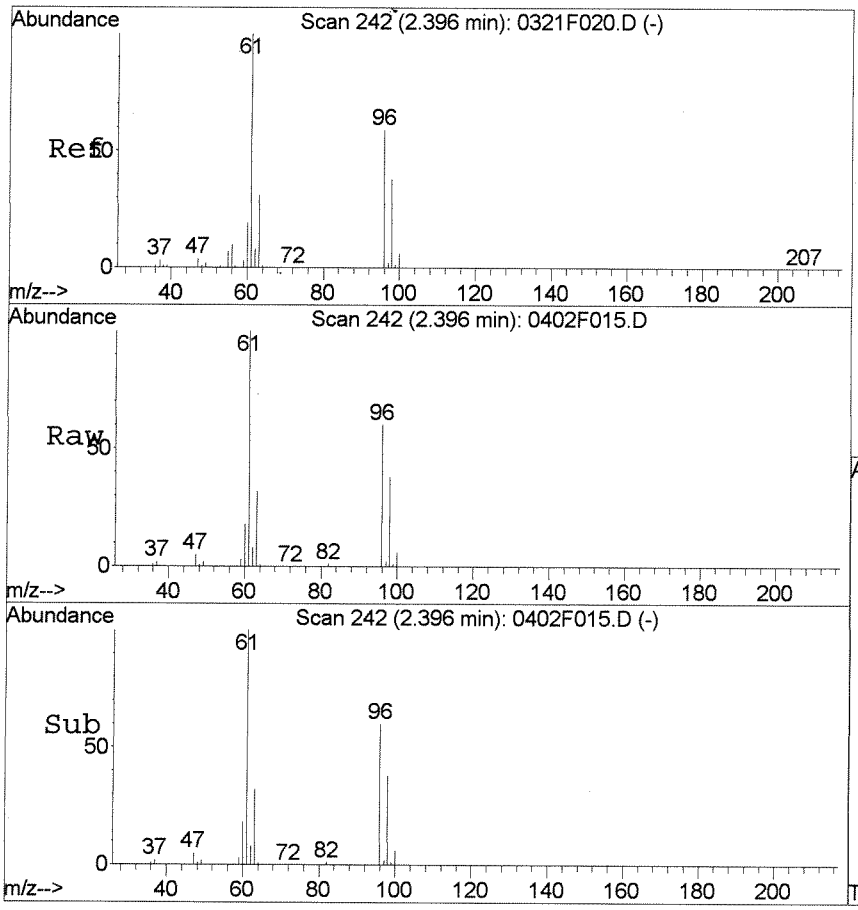


#2
Dichlorodifluoromethane
Concen: 0.17 PPB
RT: 1.20 min Scan# 13
Delta R.T. -0.01 min
Lab File: 0402F015.D
Acq: 2 Apr 2008 10:15 pm

Tgt Ion: 85 Resp: 2282

Ion	Ratio	Lower	Upper
85	100		
87	35.1	0.5	60.5
50	18.3	0.0	41.9

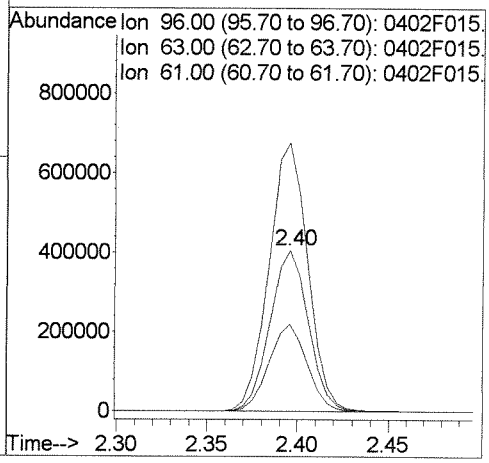


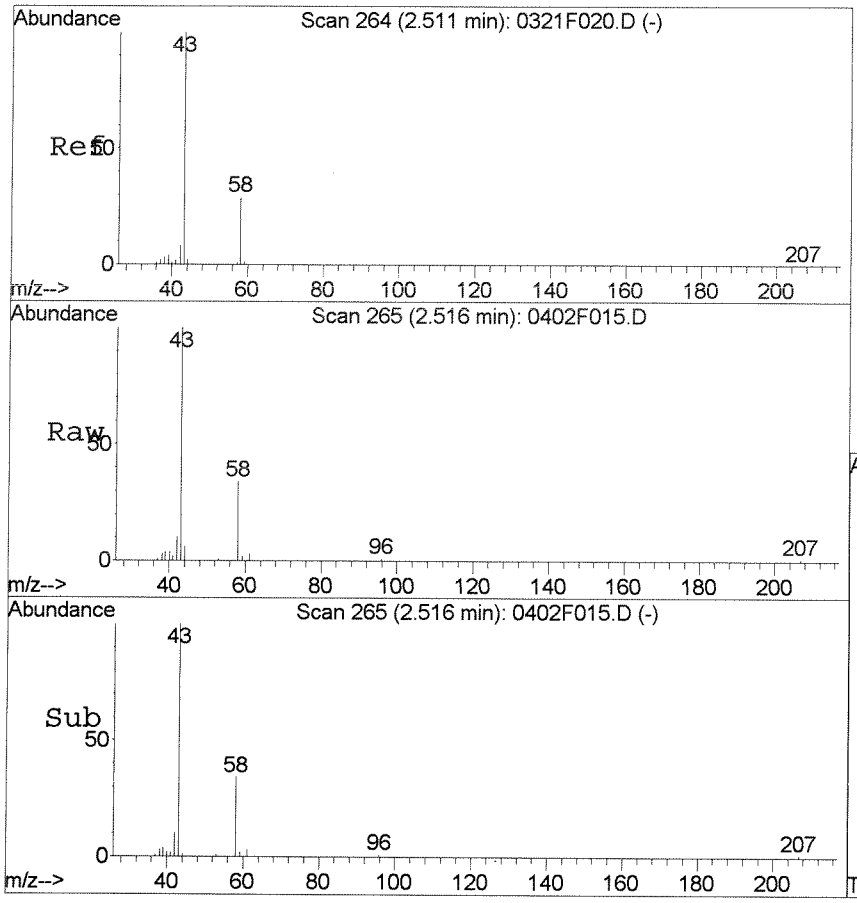


#12
1,1-Dichloroethene
Concen: 56.70 PPB
RT: 2.40 min Scan# 242
Delta R.T. 0.00 min
Lab File: 0402F015.D
Acq: 2 Apr 2008 10:15 pm

Tgt Ion: 96 Resp: 601872

Ion	Ratio	Lower	Upper
96	100		
63	54.0	22.2	82.2
61	166.5	139.1	199.1

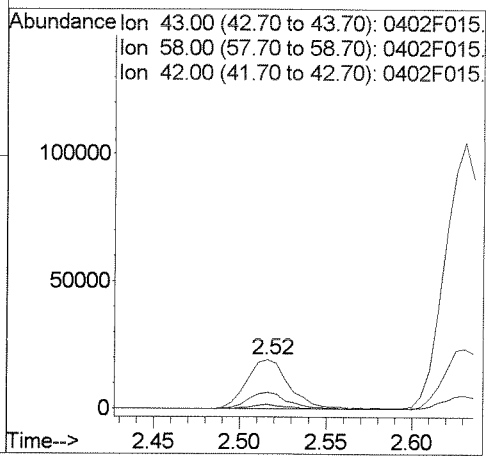


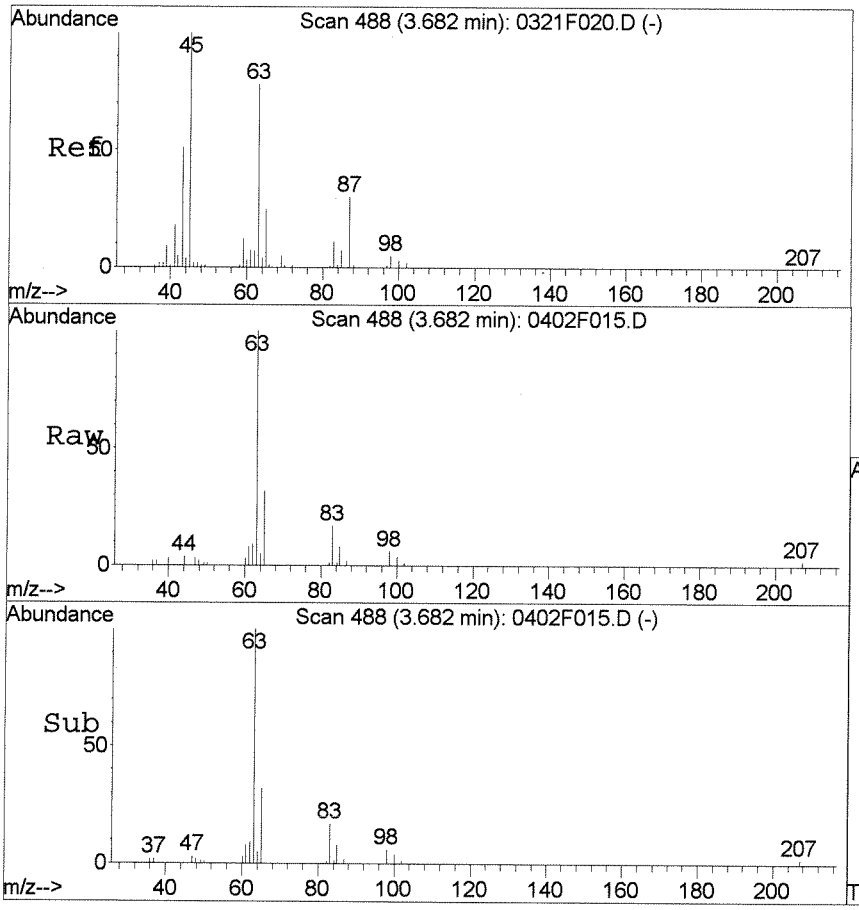


#13
Acetone
Concen: 18.05 PPB
RT: 2.52 min Scan# 265
Delta R.T. 0.01 min
Lab File: 0402F015.D
Acq: 2 Apr 2008 10:15 pm

Tgt Ion: 43 Resp: 33734

Ion	Ratio	Lower	Upper
43	100		
58	33.7	0.0	59.0
42	9.6	0.0	38.2

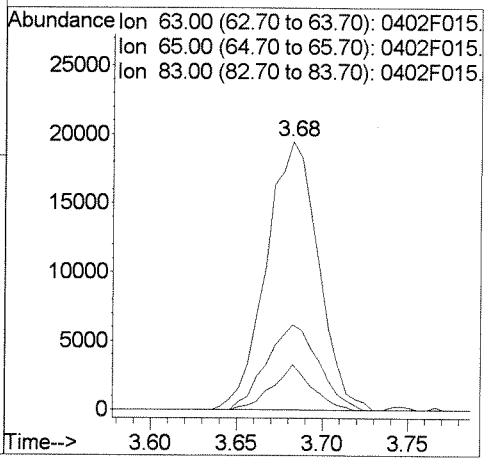


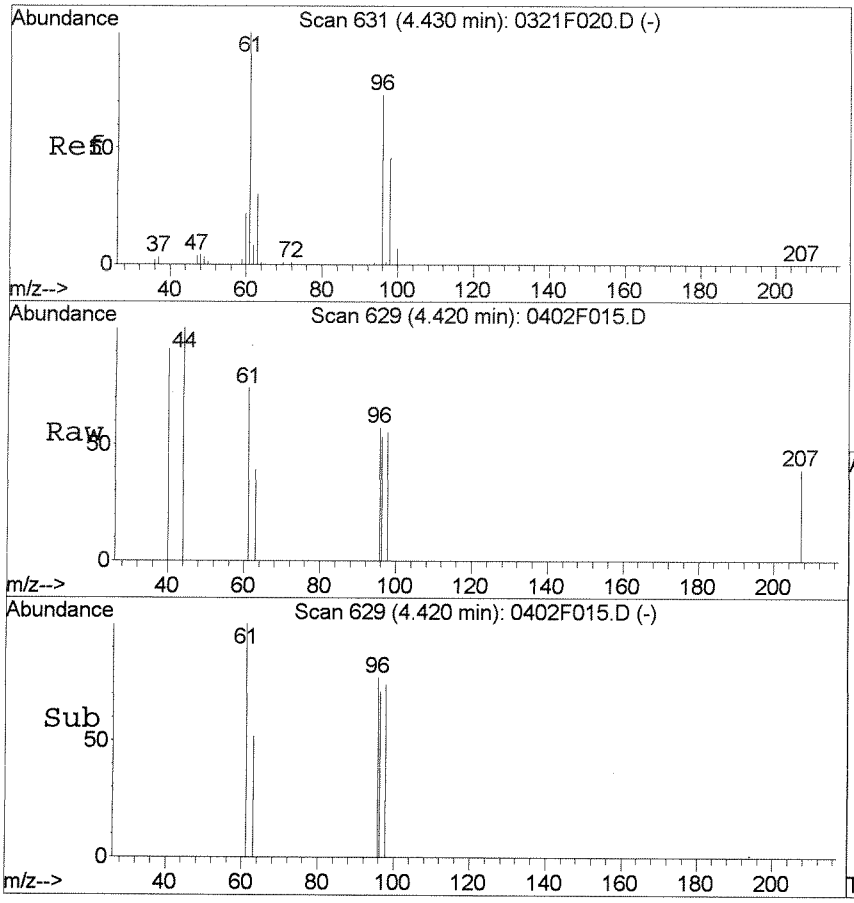


#25
1,1-Dichloroethane
Concen: 1.72 PPB
RT: 3.68 min Scan# 488
Delta R.T. 0.00 min
Lab File: 0402F015.D
Acq: 2 Apr 2008 10:15 pm

Tgt Ion: 63 Resp: 41119

Ion	Ratio	Lower	Upper
63	100		
65	31.6	2.0	62.0
83	16.9	0.0	43.5

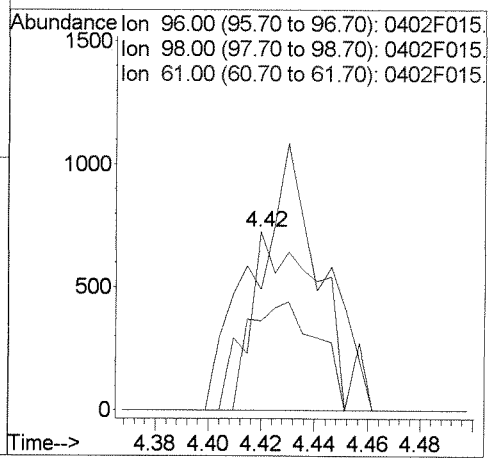


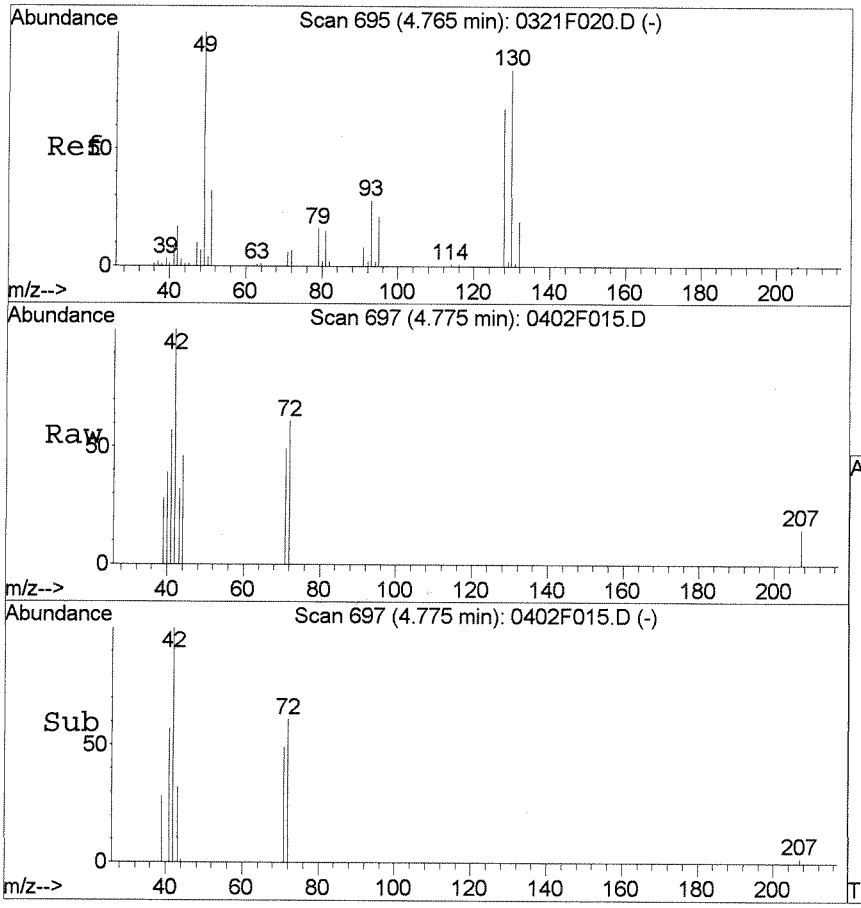


#30
cis-1,2-Dichloroethene
Concen: 0.10 PPB
RT: 4.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: 0402F015.D
Acq: 2 Apr 2008 10:15 pm

Tgt Ion: 96 Resp: 1366

Ion	Ratio	Lower	Upper
96	100		
98	50.0	33.3	93.3
61	67.6	107.2	167.2#

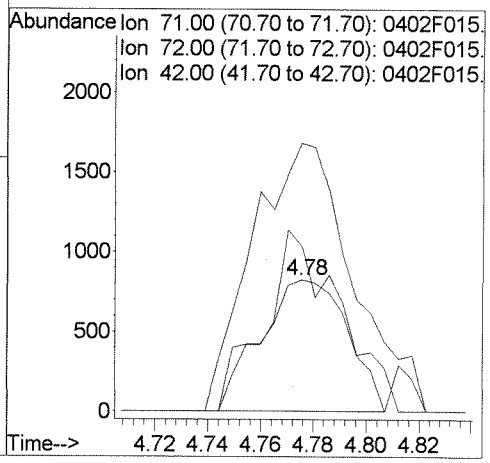


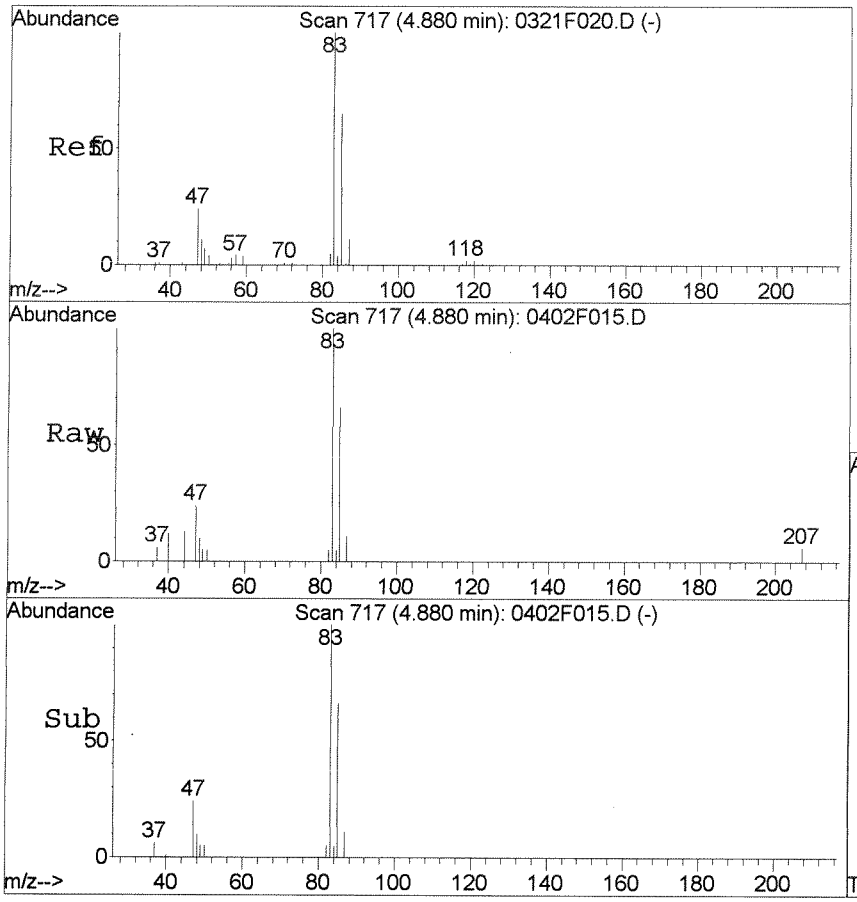


#36
Tetrahydrofuran
Concen: 3.16 PPB
RT: 4.78 min Scan# 697
Delta R.T. 0.01 min
Lab File: 0402F015.D
Acq: 2 Apr 2008 10:15 pm

Tgt Ion: 71 Resp: 1939

Ion	Ratio	Lower	Upper
71	100		
72	125.2	79.7	139.7
42	203.6	230.0	290.0#

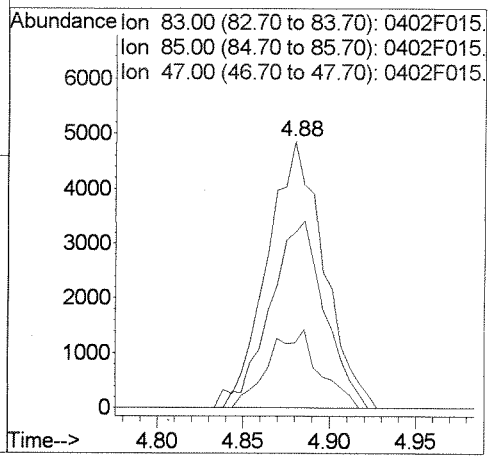


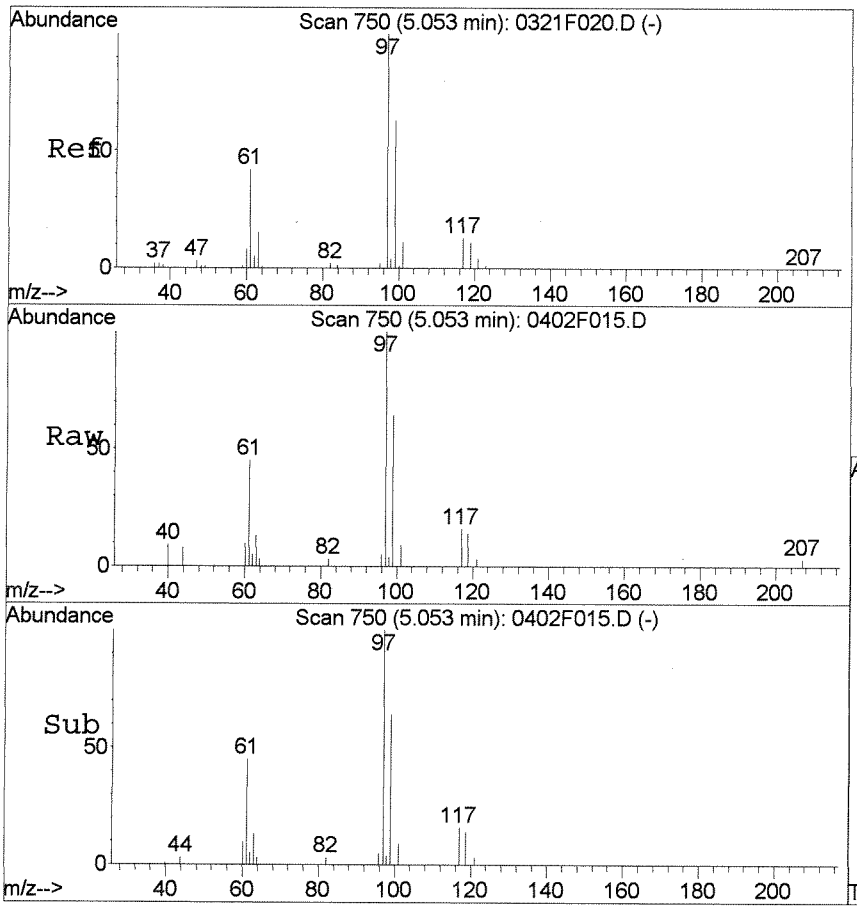


#37
Chloroform
Concen: 0.48 PPB
RT: 4.88 min Scan# 717
Delta R.T. 0.00 min
Lab File: 0402F015.D
Acq: 2 Apr 2008 10:15 pm

Tgt Ion: 83 Resp: 11076

Ion	Ratio	Lower	Upper
83	100		
85	65.9	35.1	95.1
47	24.4	0.0	53.9

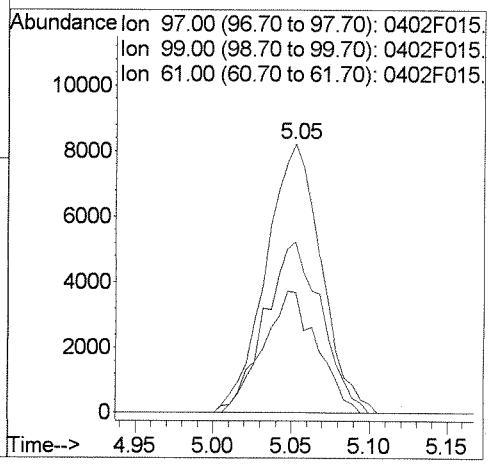


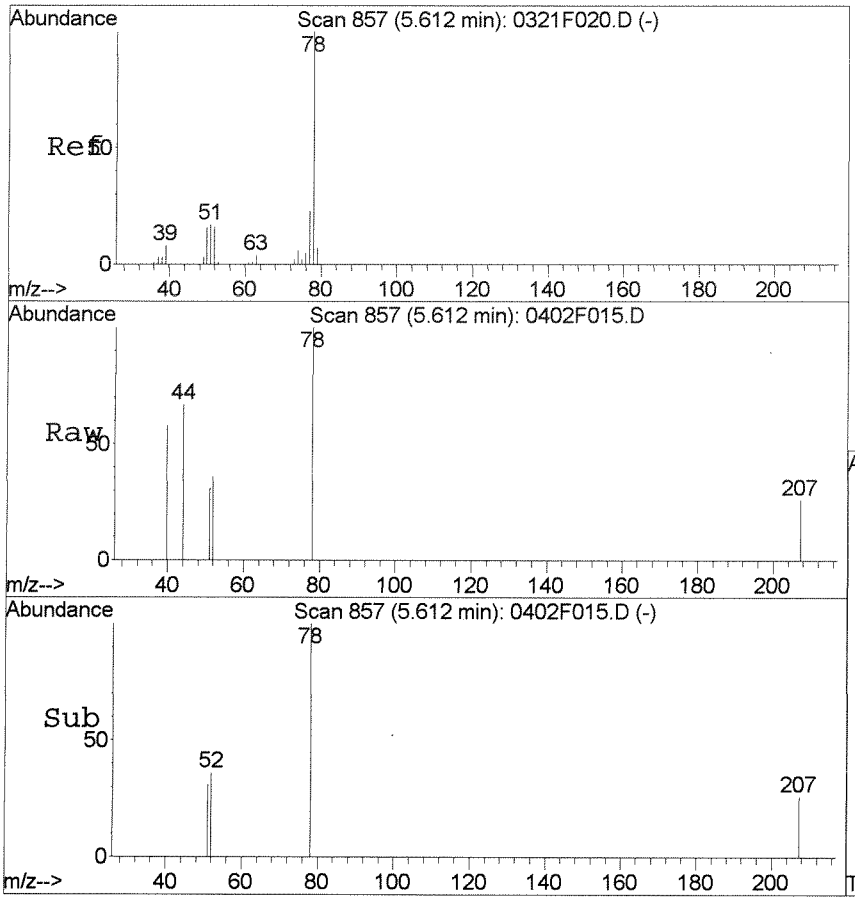


#39
1,1,1-Trichloroethane
Concen: 1.09 PPB
RT: 5.05 min Scan# 750
Delta R.T. 0.00 min
Lab File: 0402F015.D
Acq: 2 Apr 2008 10:15 pm

Tgt Ion: 97 Resp: 20417

Ion	Ratio	Lower	Upper
97	100		
99	63.7	32.9	92.9
61	44.9	12.1	72.1

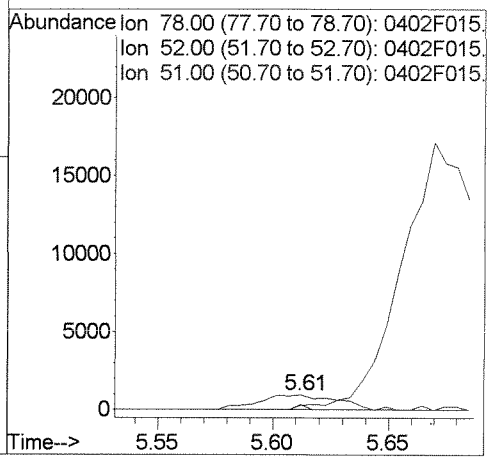


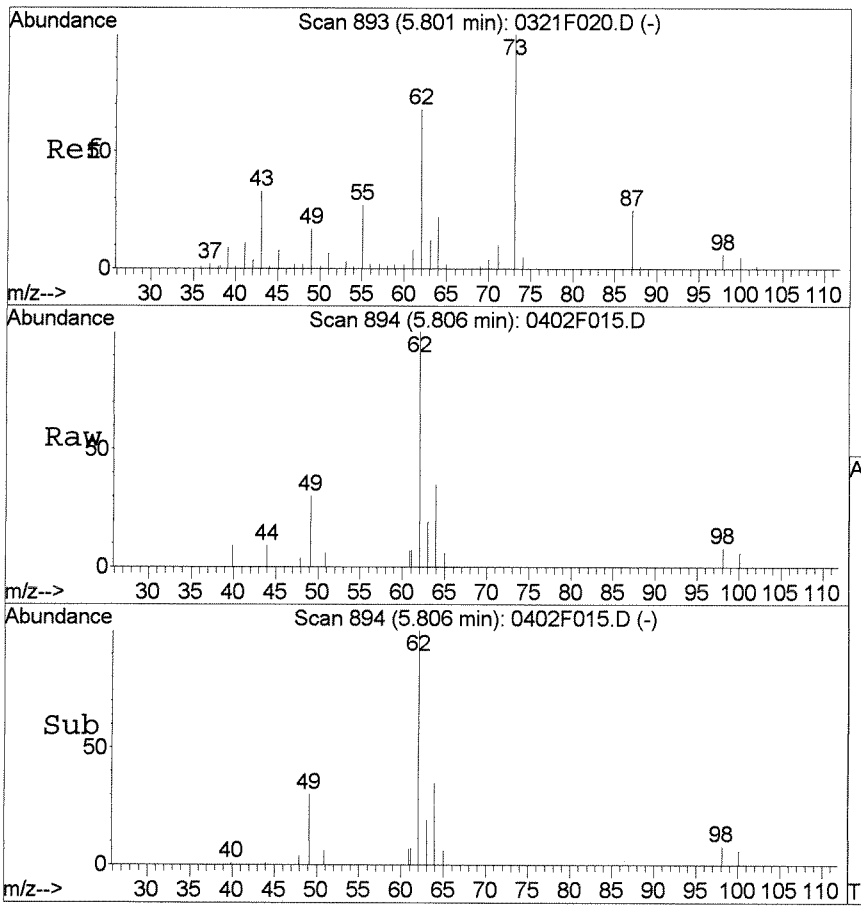


#45
Benzene
Concen: 0.04 PPB
RT: 5.61 min Scan# 857
Delta R.T. 0.00 min
Lab File: 0402F015.D
Acq: 2 Apr 2008 10:15 pm

Tgt Ion: 78 Resp: 2260

Ion	Ratio	Lower	Upper
78	100		
52	35.5	0.0	46.4
51	31.4	0.0	46.8

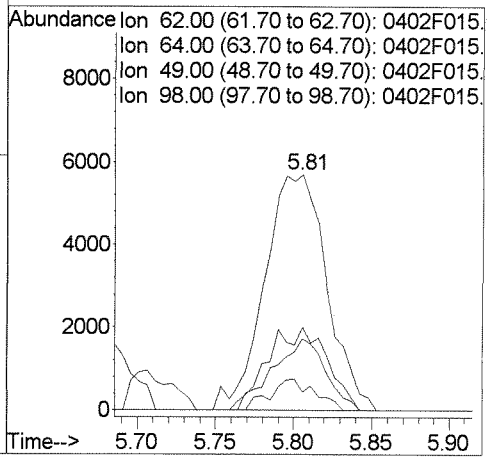


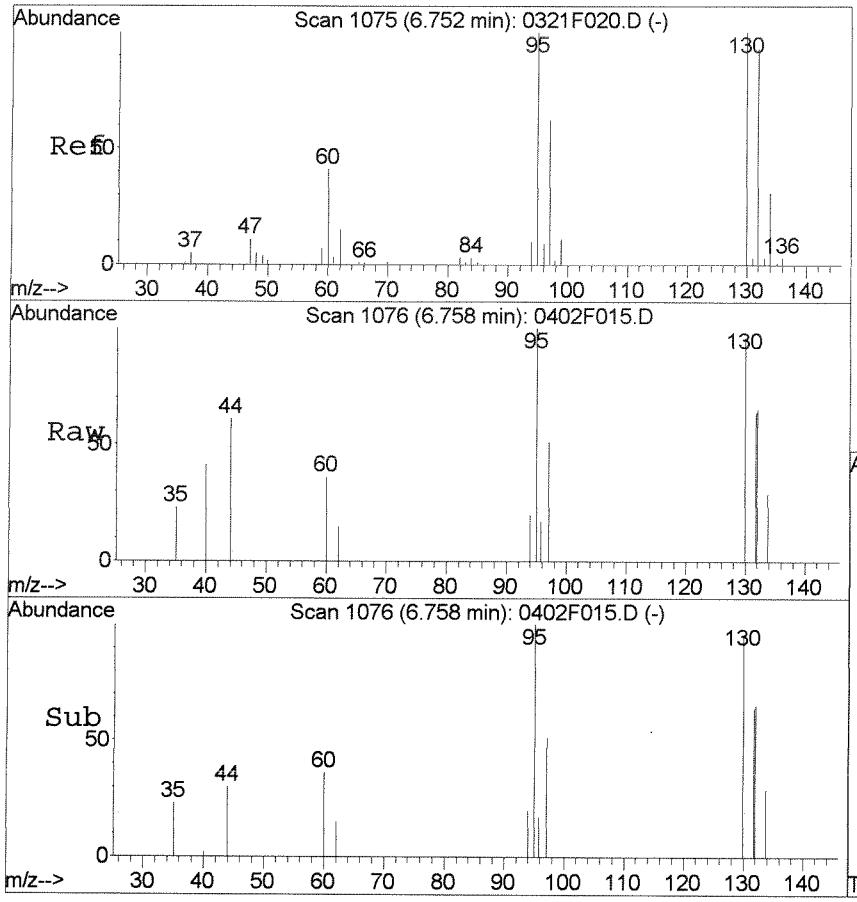


#46
1,2-Dichloroethane
Concen: 0.93 PPB
RT: 5.81 min Scan# 894
Delta R.T. 0.01 min
Lab File: 0402F015.D
Acq: 2 Apr 2008 10:15 pm

Tgt Ion: 62 Resp: 15812

Ion	Ratio	Lower	Upper
62	100		
64	35.3	3.1	63.1
49	30.4	0.0	55.1
98	7.7	0.0	38.6

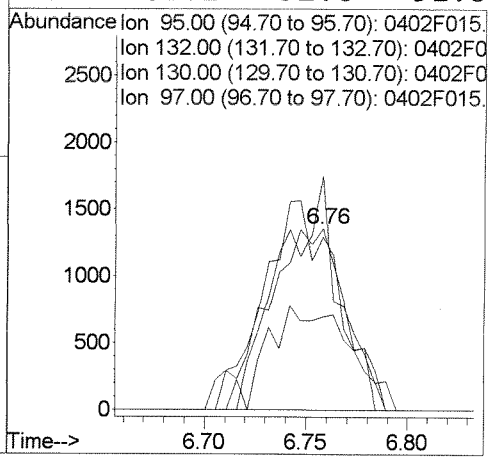


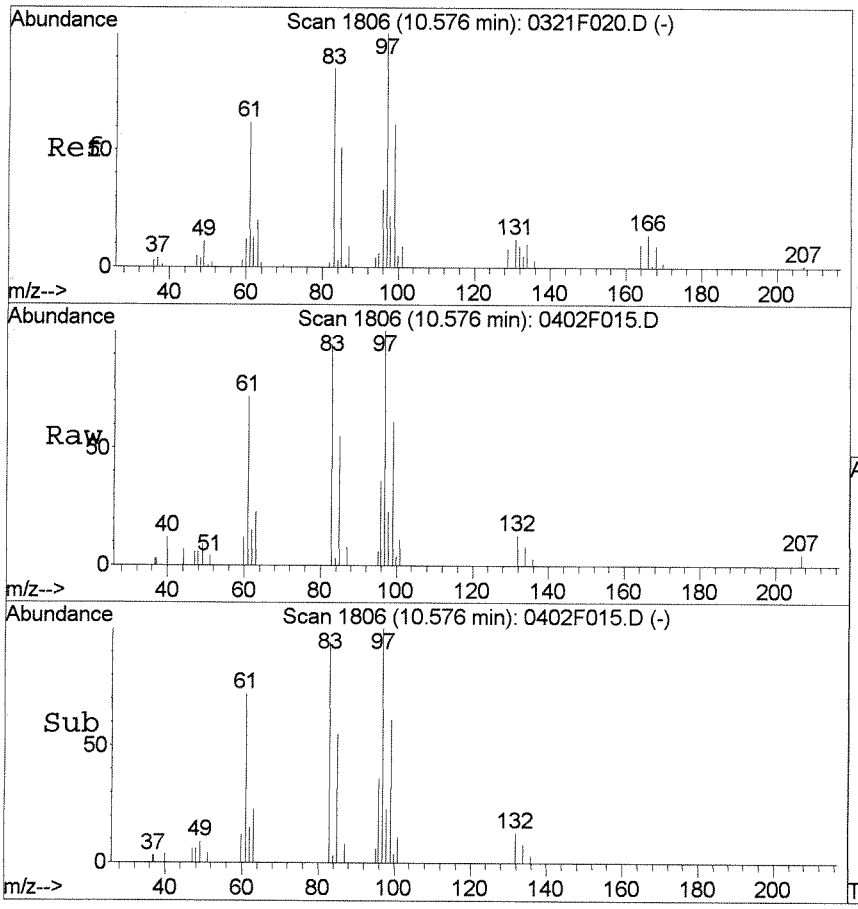


#48
Trichloroethene
Concen: 0.27 PPB
RT: 6.76 min Scan# 1076
Delta R.T. 0.01 min
Lab File: 0402F015.D
Acq: 2 Apr 2008 10:15 pm

Tgt Ion: 95 Resp: 3552

Ion	Ratio	Lower	Upper
95	100		
132	129.0	63.5	123.5#
130	95.3	69.7	129.7
97	51.1	31.8	91.8

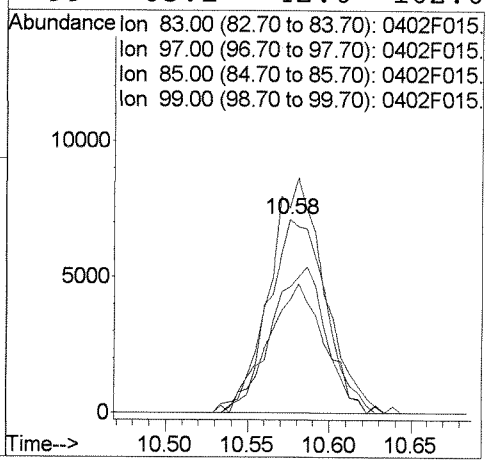


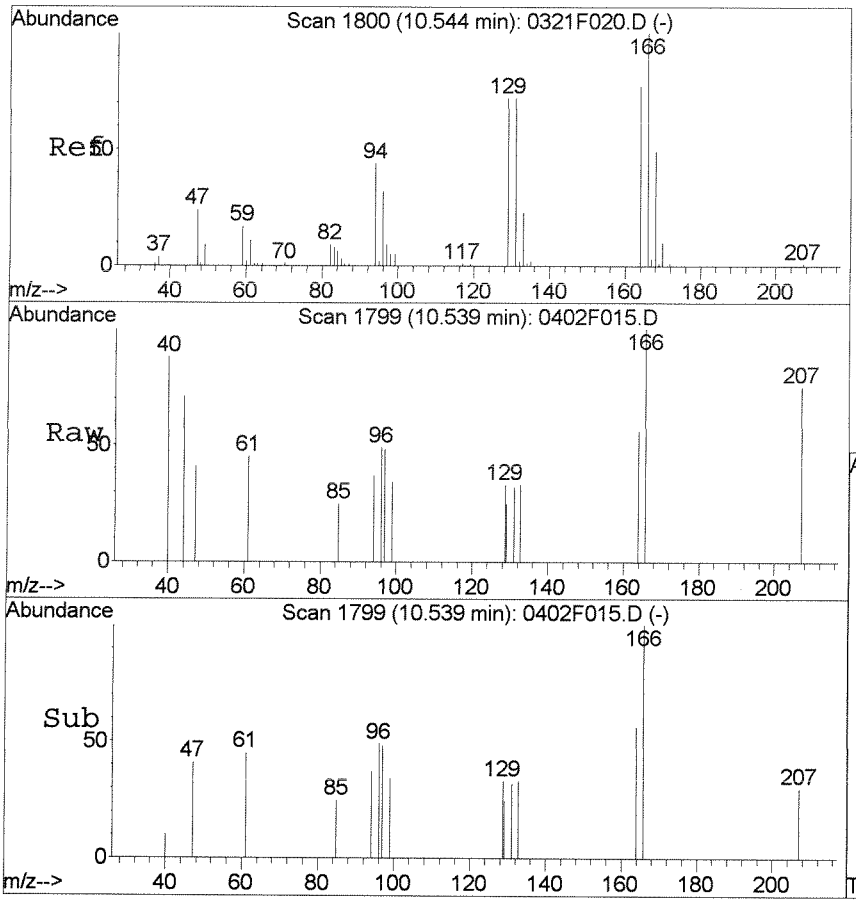


#64
1,1,2-Trichloroethane
Concen: 2.33 PPB
RT: 10.58 min Scan# 1806
Delta R.T. 0.00 min
Lab File: 0402F015.D
Acq: 2 Apr 2008 10:15 pm

Tgt Ion: 83 Resp: 17507

Ion	Ratio	Lower	Upper
83	100		
97	106.0	87.2	147.2
85	58.6	30.3	90.3
99	65.1	42.0	102.0

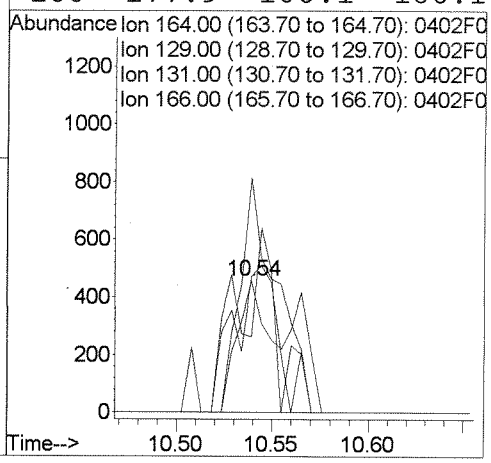


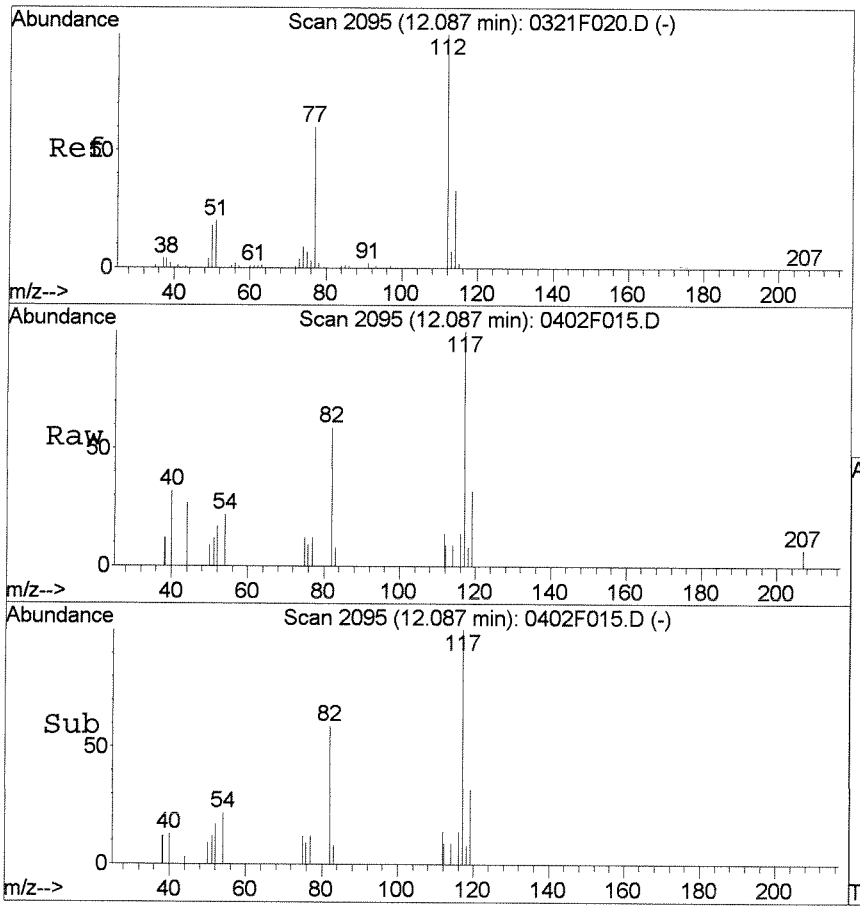


#65
Tetrachloroethene
Concen: 0.07 PPB m
RT: 10.54 min Scan# 1799
Delta R.T. -0.01 min
Lab File: 0402F015.D
Acq: 2 Apr 2008 10:15 pm

Tgt Ion:164 Resp: 836

Ion	Ratio	Lower	Upper
164	100		
129	58.0	63.6	123.6#
131	57.3	63.4	123.4#
166	177.9	100.1	160.1#

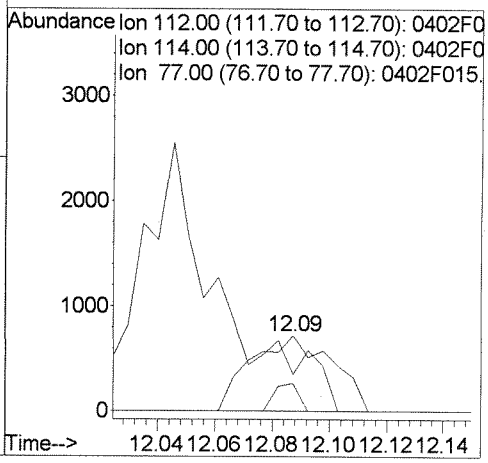




#71
Chlorobenzene
Concen: 0.03 PPB
RT: 12.09 min Scan# 2095
Delta R.T. 0.00 min
Lab File: 0402F015.D
Acq: 2 Apr 2008 10:15 pm

Tgt Ion:112 Resp: 1415

Ion	Ratio	Lower	Upper
112	100		
114	37.0	2.6	62.6
77	49.0	29.9	89.9



Exception Report

Data File: J:\MS13\DATA\040308\0403F013.D
Lab ID: K0802637-003
RunType: RE
Matrix: WATER

Date Acquired: 04/03/2008 22:57
Date Quantitated: 04/03/2008 23:24
Batch ID: KWG0803131
Analysis Method: 8260B
ListJoinID: LJ8580

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

NR confirms lack of 11-DCE C.O.

Primary Review: LB 4/4/08

Secondary Review: HZ 04.07.08

Printed: 04/04/2008 16:47:55
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**	III	**Matrix:**	WATER
Prod Code:	8260B VOC_FP	**Collect Date:**	03/24/2008	**Receive Date:**	03/27/2008

Analysis Lot:	KWG0803131	**Prep Lot:**	KWG0803135	**Report Group:**	K0802637
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	699275	**Prep Date:**	04/03/2008		

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:	Volatile Organic Compounds	**Report List ID:**	LJ8580
Tune Ref:	J:\MS13\DATA\040308\0403F002.D	**Method ID:**	MJ119
MB Ref:	J:\MS13\DATA\040308\0403F008.D	**Quant based on Report List**	

Data File:	J:\MS13\DATA\040308\0403F013.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 22:57	**Quant Date:**	04/03/2008 23:24	**Vial:**	13
Run Type:	RE			**Dilution:**	1.0
Lab ID:	K0802637-003			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	6.14	0.00	96	442478	10.00	OK
2	Chlorobenzene-d5	12.05	0.00	82	195125	10.00	OK
3	1,4-Dichlorobenzene-d4	15.08	0.00	152	177349	10.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	Dibromofluoromethane	5.13	0.00	0.00	113	98772	10.11	101	75-120	OK	NR
1	Toluene-d8	9.33	-0.01	0.00	98	466092	10.97	110	80-128	OK	NR
2	4-Bromofluorobenzene	13.71	0.00	0.00	95	173398	9.97	100	75-117	OK	NR

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane	1.20		0.00	85	1805	0.1700	0.17	J	NR
1	Chloromethane				50	0d		0.14	U	NR
1	Vinyl Chloride				62	0		0.042	U	NR
1	Bromomethane				96	0		0.22	U	NR
1	Chloroethane				64	0		0.23	U	NR
1	Trichlorofluoromethane				101	0		0.14	U	NR
1	1,1-Dichloroethene	2.40		0.00	96	452266	51.90	52		NR
1	Acetone	2.52		0.00	43	30415	19.83	20	J	NR
1	Carbon Disulfide				76	0		0.16	U	NR
1	Methylene Chloride				84	0		0.20	U	NR
1	trans-1,2-Dichloroethene				96	0		0.15	U	NR
1	1,1-Dichloroethane	3.68		0.00	63	30289	1.54	1.5		NR
1	2,2-Dichloropropane				77	0		0.18	U	NR
1	cis-1,2-Dichloroethene	4.44	0.01	0.00	96	1109	0.0900	0.12	U	NR
1	2-Butanone (MEK)				72	0		2.3	U	NR

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F013.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 22:57	**Quant Date:**	04/03/2008 23:24	**Vial:**	13
Run Type:	RE			**Dilution:**	1.0
Lab ID:	K0802637-003			**Soln Conc. Units:**	PPB

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Bromochloromethane				128	0		0.17	U	NR
1	Chloroform	4.88	-0.01	0.00	83	9392	0.4900	0.49	J	NR
1	1,1,1-Trichloroethane (TCA)	5.05		0.00	97	16078	1.04	1.0		NR
1	Carbon Tetrachloride				117	0		0.14	U	NR
1	1,1-Dichloropropene				75	0		0.15	U	NR
1	Benzene	5.62		0.00	78	1660	0.0400	0.14	U	NR
1	1,2-Dichloroethane (EDC)	5.80		0.00	62	13457	0.9600	0.96		NR
1	Trichloroethene (TCE)	6.74	-0.01	0.00	95	3134**m**	0.2900	0.29	J	NR
1	1,2-Dichloropropane				63	0		0.14	U	NR
1	Dibromomethane				93	0		0.12	U	NR
1	Bromodichloromethane				83	0		0.11	U	NR
1	cis-1,3-Dichloropropene				75	0		0.11	U	NR
1	4-Methyl-2-pentanone (MIBK)				58	0**d**		2.7	U	NR
1	Toluene				92	0		0.11	U	NR
2	trans-1,3-Dichloropropene				75	0		0.090	U	NR
2	1,1,2-Trichloroethane	10.58		0.00	83	13193	2.10	2.1		NR
2	Tetrachloroethene (PCE)	10.53	-0.02	0.00	164	533	0.0600	0.13	U	NR
2	2-Hexanone				57	0		4.0	U	NR
2	1,3-Dichloropropane				76	0		0.15	U	NR
2	Dibromochloromethane				129	0		0.11	U	NR
2	1,2-Dibromoethane (EDB)				107	0		0.099	U	NR
2	Chlorobenzene				112	0**d**		0.14	U	NR
2	Ethylbenzene				106	0		0.13	U	NR
2	1,1,1,2-Tetrachloroethane				131	0		0.12	U	NR
2	m,p-Xylenes				106	0		0.22	U	NR
2	o-Xylene				106	0		0.11	U	NR
2	Styrene				103	0		0.095	U	NR
2	Bromoform				173	0		0.28	U	NR
2	Isopropylbenzene				105	0		0.11	U	NR
3	1,1,2,2-Tetrachloroethane				83	0		0.14	U	NR
3	Bromobenzene				156	0		0.18	U	NR
3	n-Propylbenzene				91	0		0.098	U	NR
3	1,2,3-Trichloropropane				110	0		0.24	U	NR
3	2-Chlorotoluene				91	0		0.12	U	NR
3	1,3,5-Trimethylbenzene				105	0		0.13	U	NR
3	4-Chlorotoluene				91	0		0.12	U	NR
3	tert-Butylbenzene				119	0		0.13	U	NR
3	1,2,4-Trimethylbenzene				105	0		0.15	U	NR
3	sec-Butylbenzene				105	0		0.13	U	NR
3	4-Isopropyltoluene				119	0		0.13	U	NR
3	1,3-Dichlorobenzene				146	0		0.11	U	NR
3	1,4-Dichlorobenzene				146	0		0.12	U	NR

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F013.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 22:57	**Quant Date:**	04/03/2008 23:24	**Vial:**	13
Run Type:	RE			**Dilution:**	1.0
Lab ID:	K0802637-003			**Soln Conc. Units:**	PPB

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
3	n-Butylbenzene				91	0		0.23	U	NR
3	1,2-Dichlorobenzene				146	0		0.12	U	NR
3	1,2-Dibromo-3-chloropropane				155	0		1.0	U	NR
3	1,3,5-Trichlorobenzene				180	0		0.35	U	NR
3	1,2,4-Trichlorobenzene				180	0		0.22	U	NR
3	Hexachlorobutadiene				225	0		0.28	U	NR
3	Naphthalene				128	0		0.29	U	NR
3	1,2,3-Trichlorobenzene				180	0		0.33	U	NR

Prep Amount: 10 ml **Dilution:** 1.0
Prep Final Vol: 10 ml **Unit Factor:** 1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

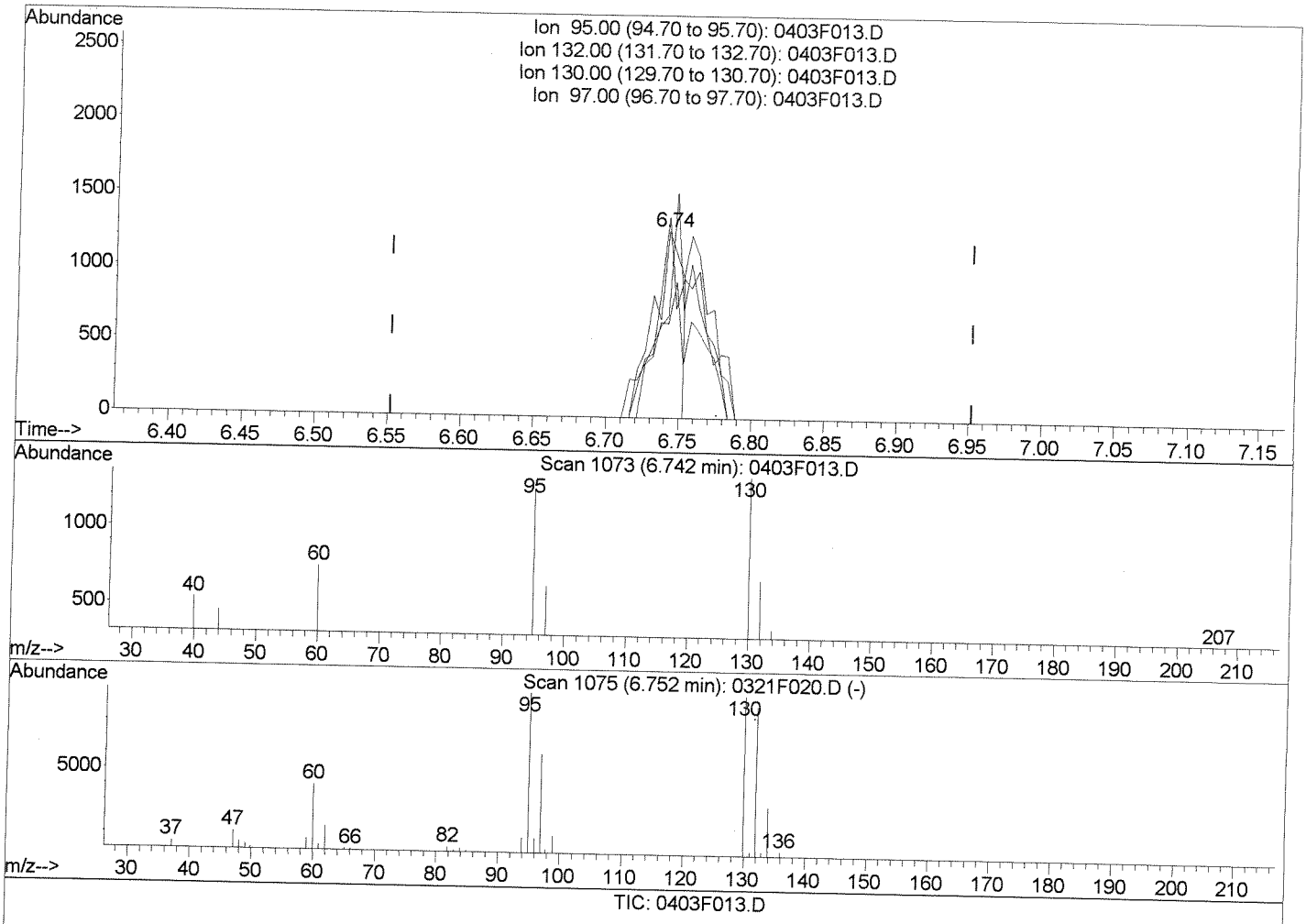
Quantitation Report (Qedit)

Data File : J:\MS13\DATA\040308\0403F013.D
Acq On : 3 Apr 2008 10:57 pm
Sample : K0802637-003R
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 23:24 2008

Vial: 13
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration



(48) Trichloroethene (MT)

6.74min 0.16PPB

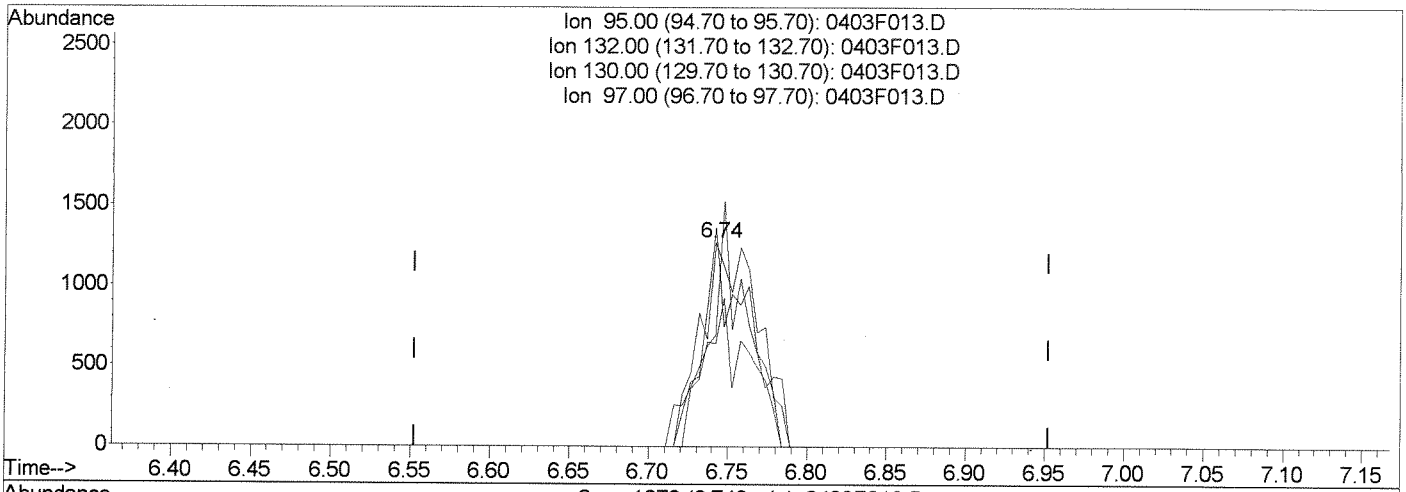
response 1768

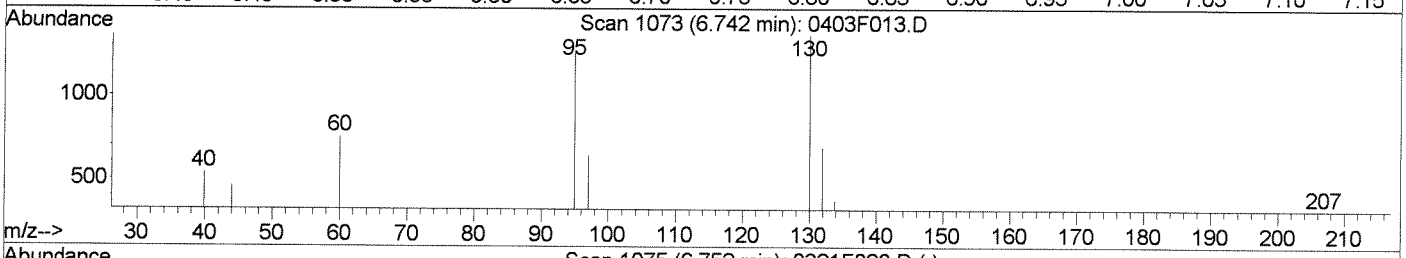
Ion	Exp%	Act%
95.00	100	100
132.00	93.50	54.57#
130.00	99.70	107.49
97.00	61.80	50.55

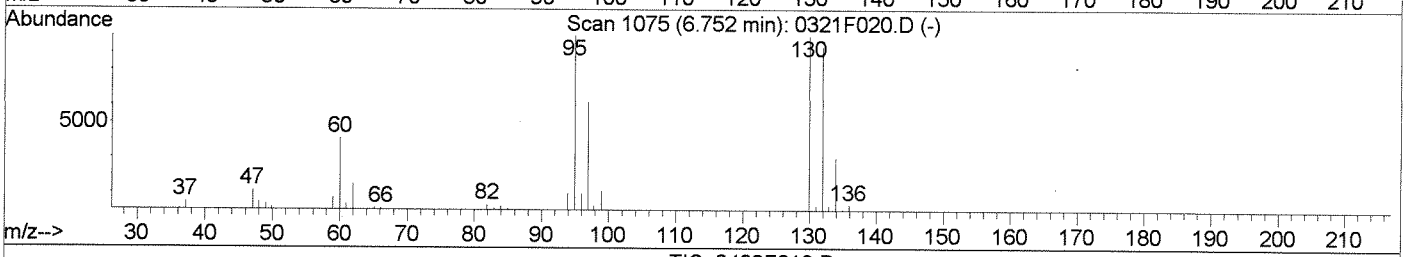
Quantitation Report (Qedit)

Data File : J:\MS13\DATA\040308\0403F013.D Vial: 13
Acq On : 3 Apr 2008 10:57 pm Operator:
Sample : K0802637-003R Inst : MS13
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 3 23:24 2008 Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration







TIC: 0403F013.D

(48) Trichloroethene (MT)

6.74min 0.29PPB m

response 3134

Ion	Exp%	Act%
95.00	100	100
132.00	93.50	54.57#
130.00	99.70	107.49
97.00	61.80	50.55

Split peak
KB 4/4/08

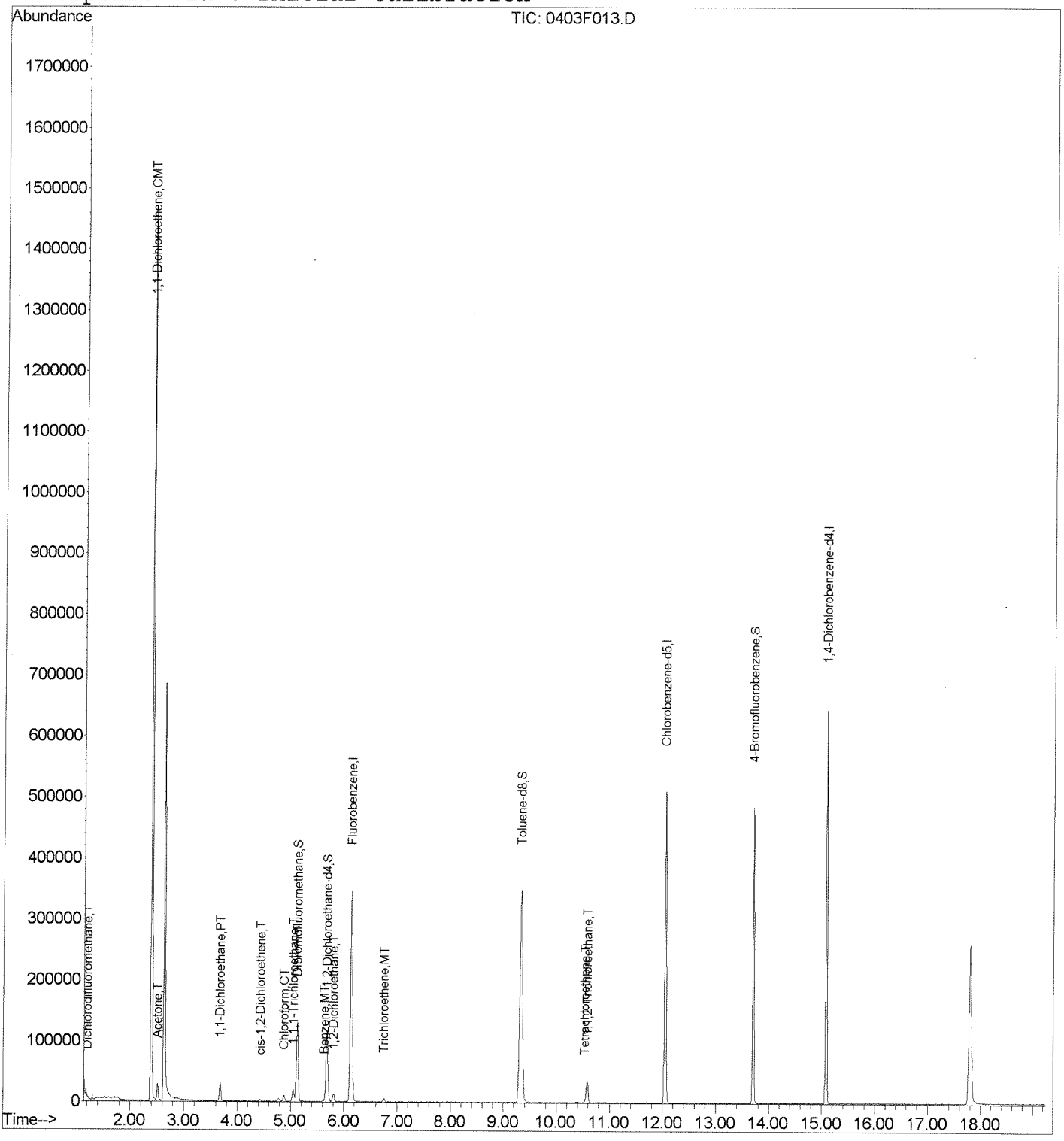
H040708

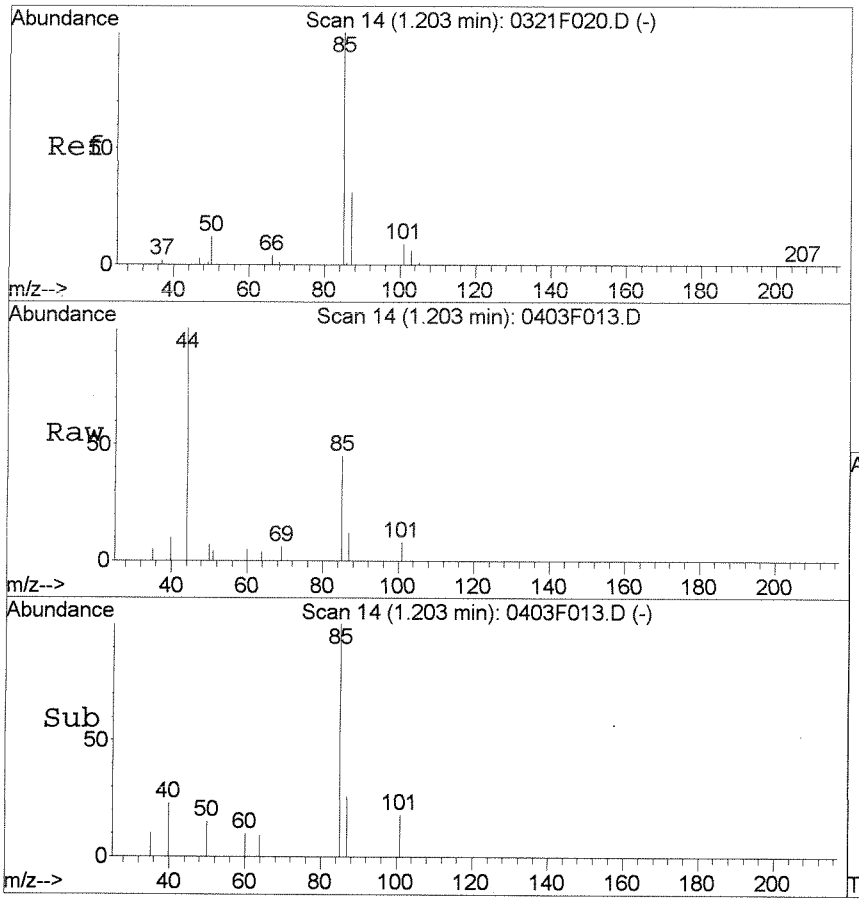
0403F013.D 032108_8260W.M Thu Apr 03 23:24:38 2008

Quantitation Report (QT Reviewed)

Data File : J:\MS13\DATA\040308\0403F013.D Vial: 13
Acq On : 3 Apr 2008 10:57 pm Operator:
Sample : K0802637-003R Inst : MS13
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 3 23:24 2008 Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration

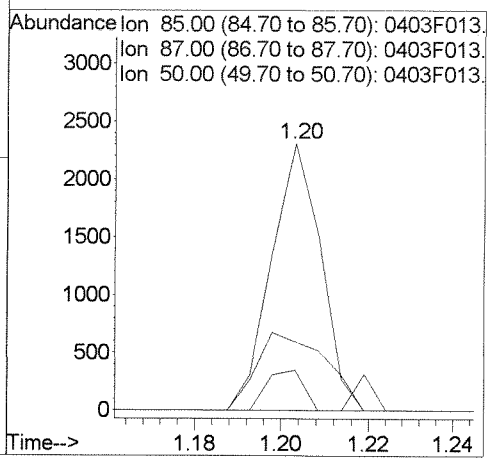


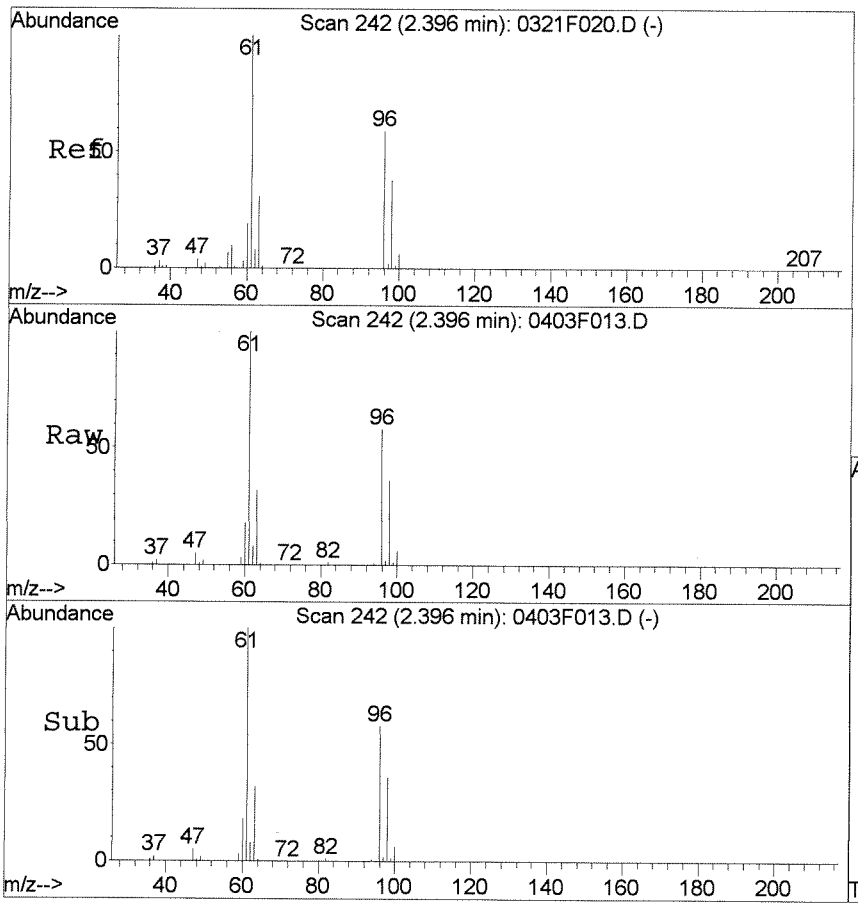


#2
Dichlorodifluoromethane
Concen: 0.17 PPB
RT: 1.20 min Scan# 14
Delta R.T. 0.00 min
Lab File: 0403F013.D
Acq: 3 Apr 2008 10:57 pm

Tgt Ion: 85 Resp: 1805

Ion	Ratio	Lower	Upper
85	100		
87	25.8	0.5	60.5
50	15.1	0.0	41.9

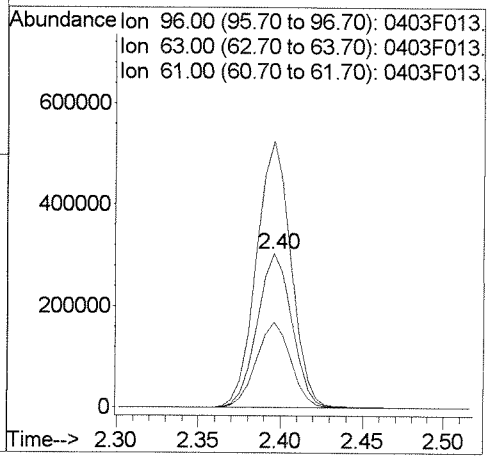


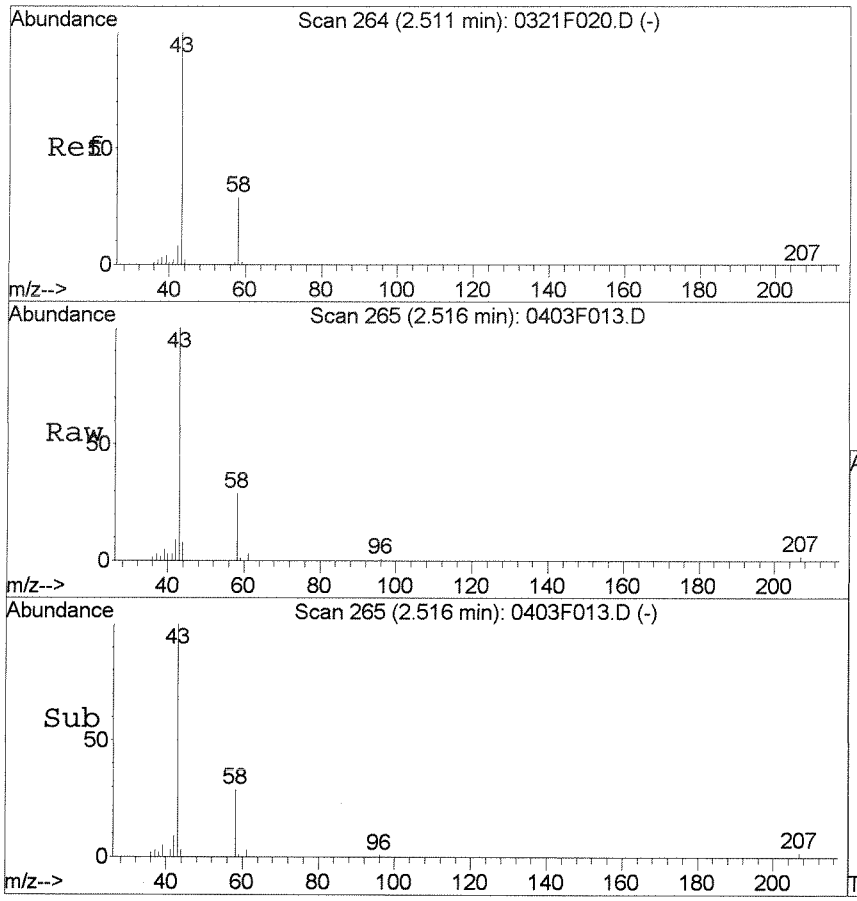


#12
1,1-Dichloroethene
Concen: 51.90 PPB
RT: 2.40 min Scan# 242
Delta R.T. 0.00 min
Lab File: 0403F013.D
Acq: 3 Apr 2008 10:57 pm

Tgt Ion: 96 Resp: 452266

Ion	Ratio	Lower	Upper
96	100		
63	55.5	22.2	82.2
61	173.2	139.1	199.1

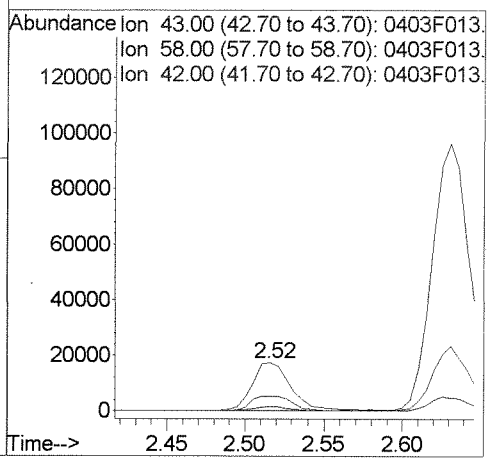


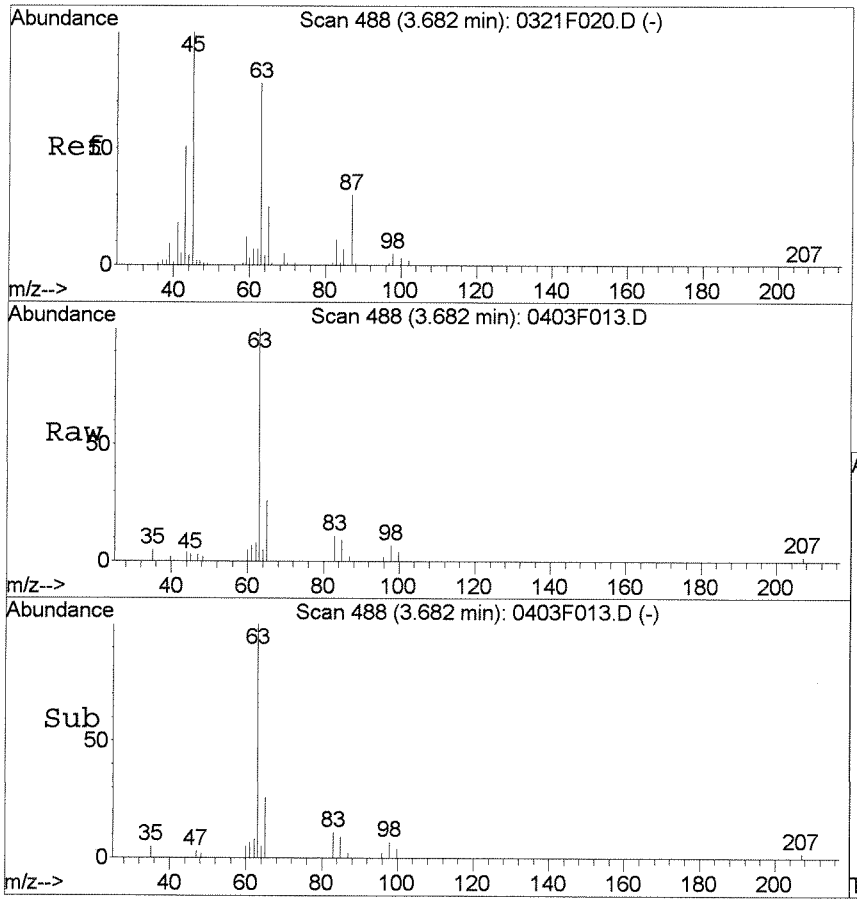


#13
Acetone
Concen: 19.83 PPB
RT: 2.52 min Scan# 265
Delta R.T. 0.01 min
Lab File: 0403F013.D
Acq: 3 Apr 2008 10:57 pm

Tgt Ion: 43 Resp: 30415

Ion	Ratio	Lower	Upper
43	100		
58	29.2	0.0	59.0
42	8.8	0.0	38.2

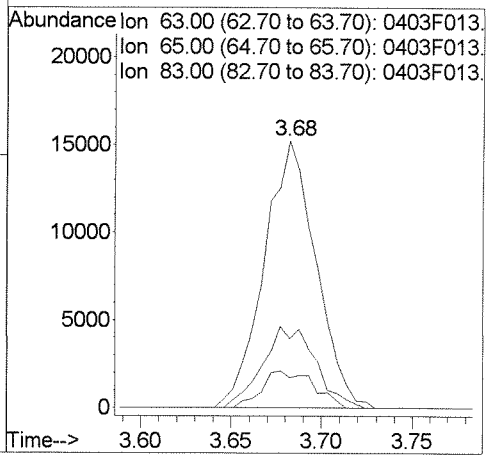


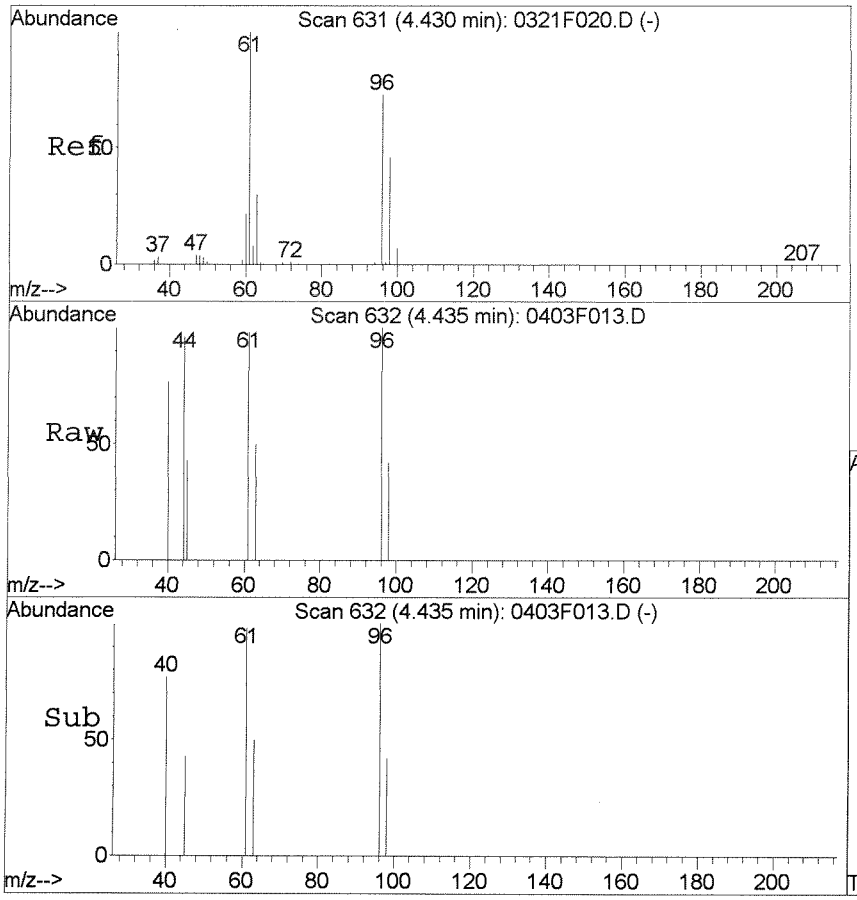


#25
1,1-Dichloroethane
Concen: 1.54 PPB
RT: 3.68 min Scan# 488
Delta R.T. 0.00 min
Lab File: 0403F013.D
Acq: 3 Apr 2008 10:57 pm

Tgt Ion: 63 Resp: 30289

Ion	Ratio	Lower	Upper
63	100		
65	25.8	2.0	62.0
83	11.3	0.0	43.5

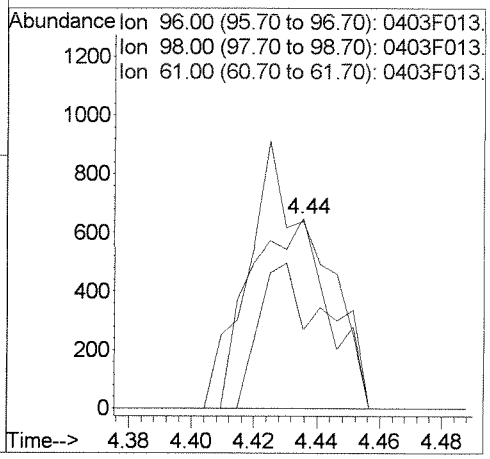


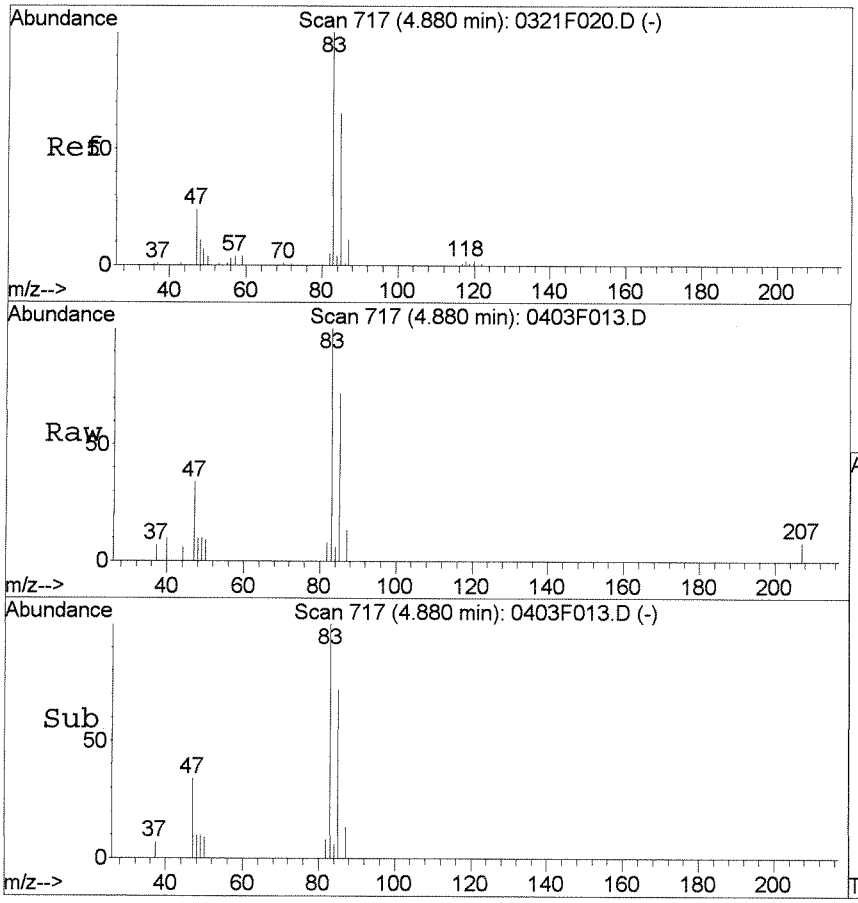


#30
cis-1,2-Dichloroethene
Concen: 0.09 PPB
RT: 4.44 min Scan# 632
Delta R.T. 0.01 min
Lab File: 0403F013.D
Acq: 3 Apr 2008 10:57 pm

Tgt Ion: 96 Resp: 1109

Ion	Ratio	Lower	Upper
96	100		
98	41.5	33.3	93.3
61	98.5	107.2	167.2#

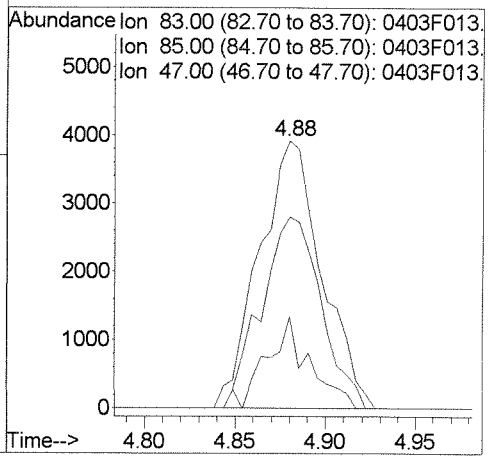


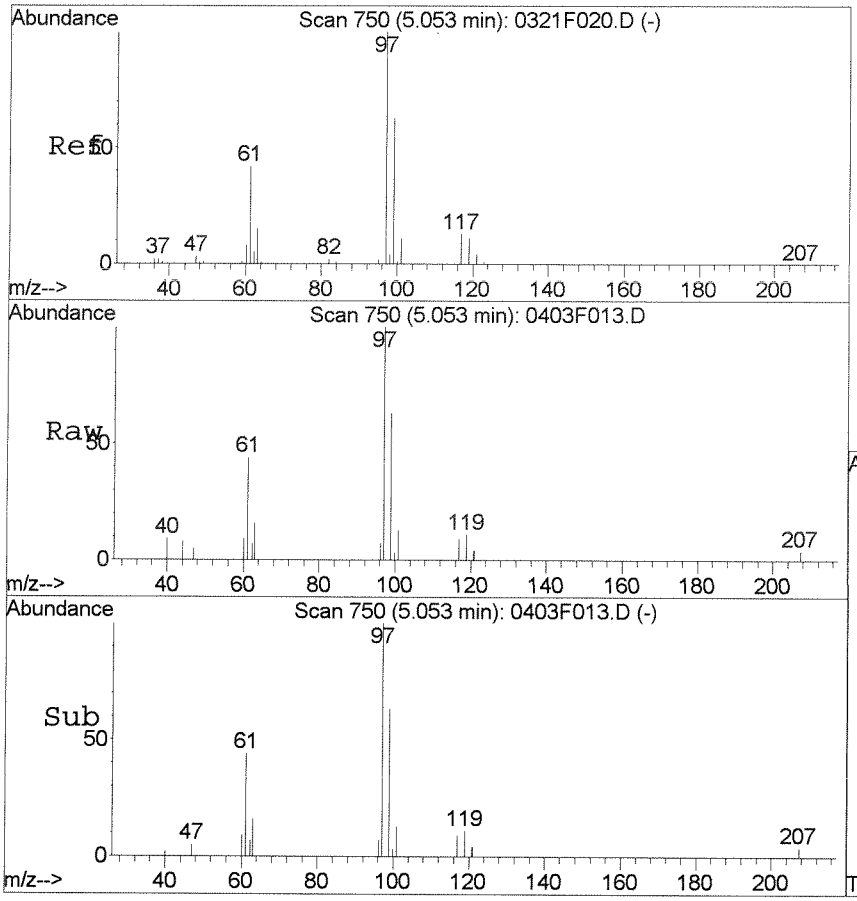


#37
Chloroform
Concen: 0.49 PPB
RT: 4.88 min Scan# 717
Delta R.T. 0.00 min
Lab File: 0403F013.D
Acq: 3 Apr 2008 10:57 pm

Tgt Ion: 83 Resp: 9392

Ion	Ratio	Lower	Upper
83	100		
85	71.5	35.1	95.1
47	34.2	0.0	53.9

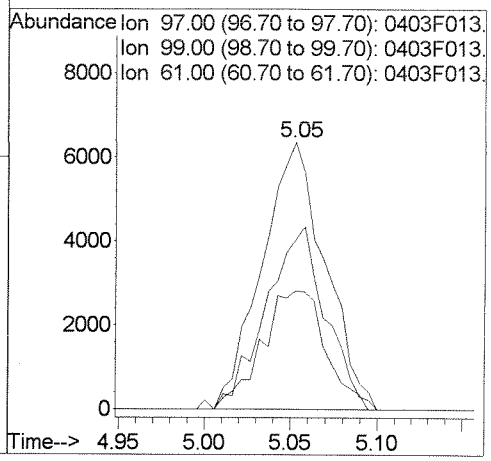


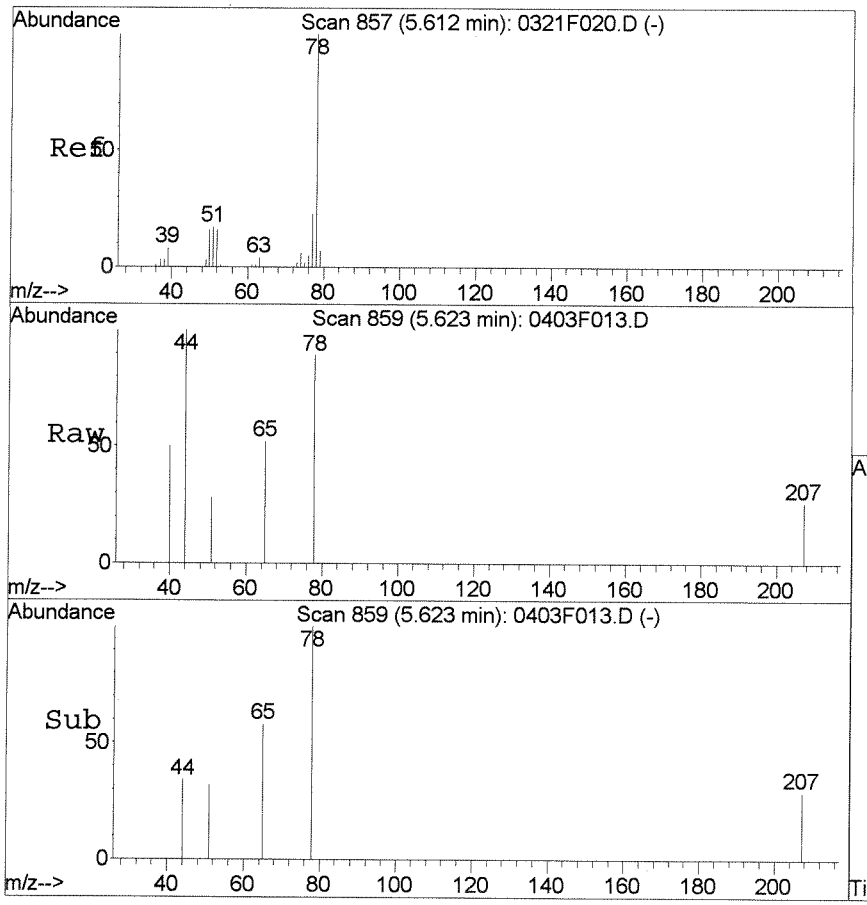


#39
1,1,1-Trichloroethane
Concen: 1.04 PPB
RT: 5.05 min Scan# 750
Delta R.T. 0.00 min
Lab File: 0403F013.D
Acq: 3 Apr 2008 10:57 pm

Tgt Ion: 97 Resp: 16078

Ion	Ratio	Lower	Upper
97	100		
99	63.5	32.9	92.9
61	44.3	12.1	72.1

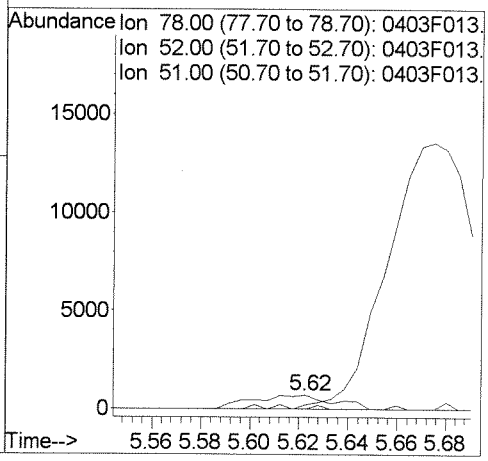


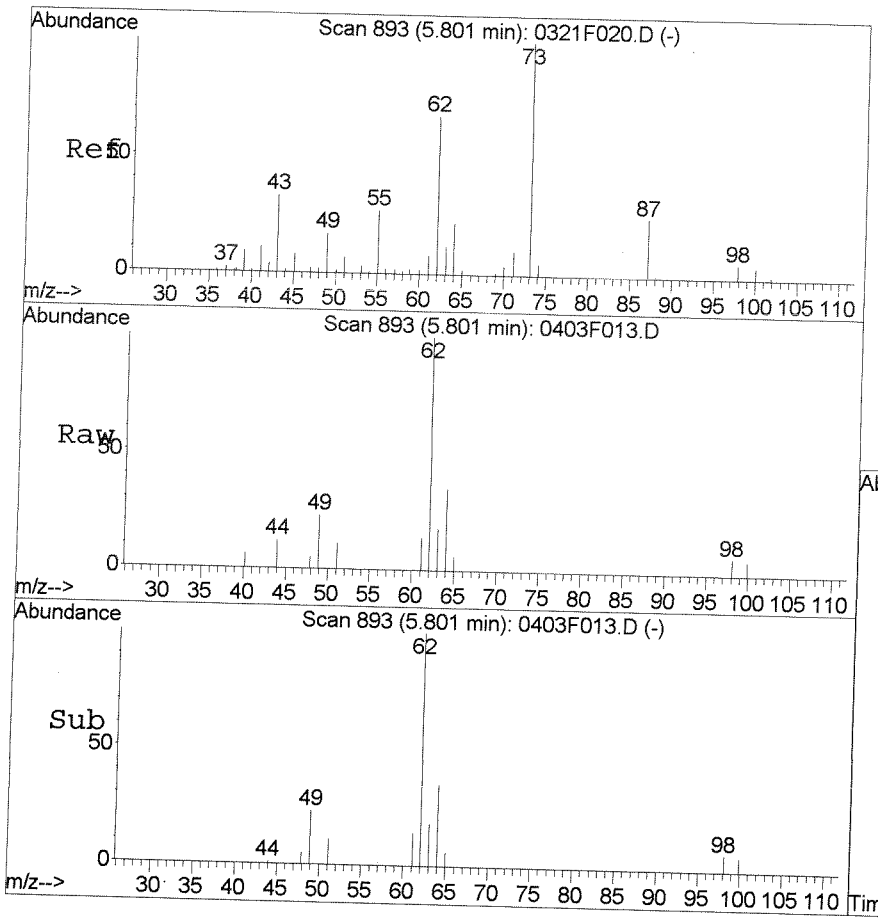


#45
Benzene
Concen: 0.04 PPB
RT: 5.62 min Scan# 859
Delta R.T. 0.01 min
Lab File: 0403F013.D
Acq: 3 Apr 2008 10:57 pm

Tgt Ion: 78 Resp: 1660

Ion	Ratio	Lower	Upper
78	100		
52	0.0	0.0	46.4
51	31.5	0.0	46.8

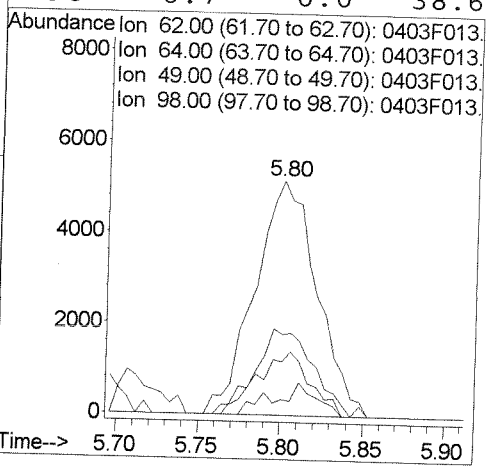


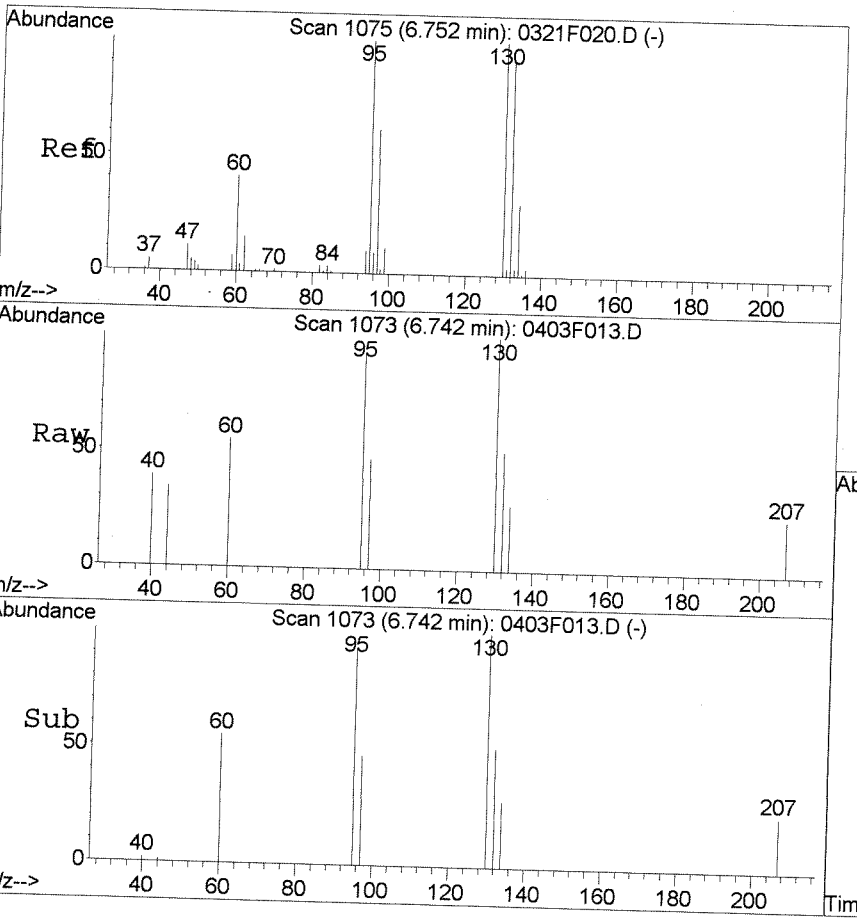


#46
1,2-Dichloroethane
Concen: 0.96 PPB
RT: 5.80 min Scan# 893
Delta R.T. 0.00 min
Lab File: 0403F013.D
Acq: 3 Apr 2008 10:57 pm

Tgt Ion: 62 Resp: 13457

Ion	Ratio	Lower	Upper
62	100		
64	34.5	3.1	63.1
49	22.7	0.0	55.1
98	6.7	0.0	38.6

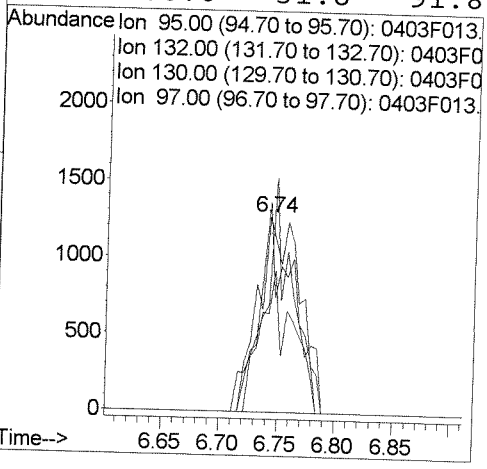


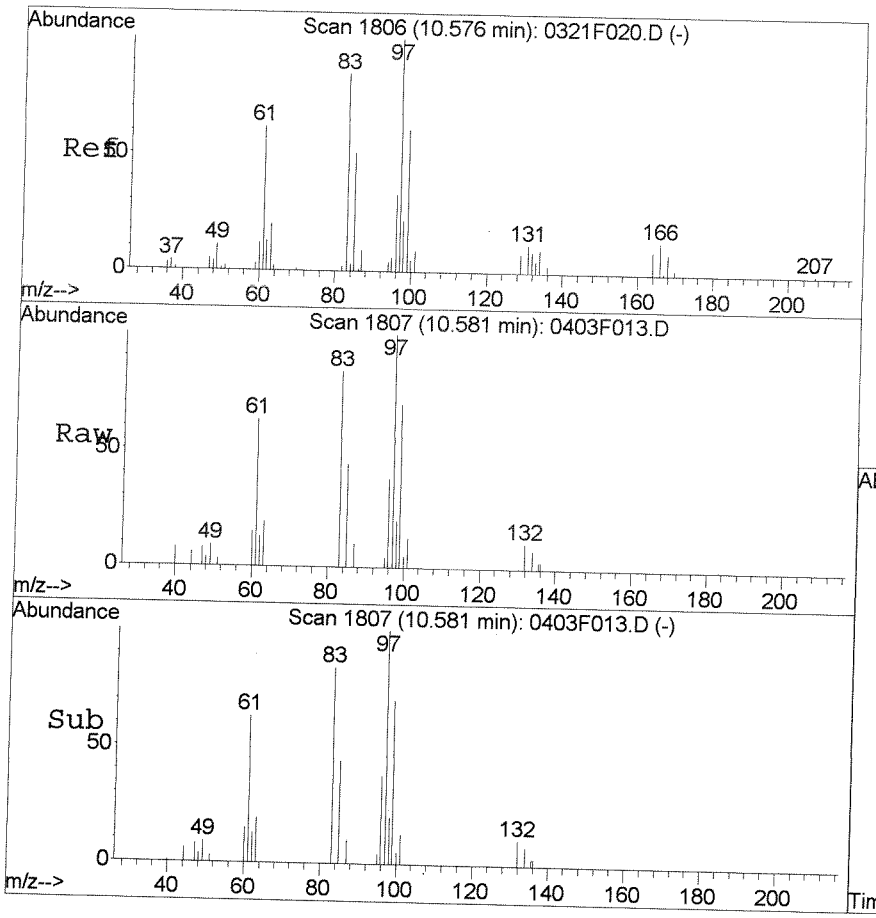


#48
Trichloroethene
Concen: 0.29 PPB m
RT: 6.74 min Scan# 1073
Delta R.T. -0.01 min
Lab File: 0403F013.D
Acq: 3 Apr 2008 10:57 pm

Tgt Ion: 95 Resp: 3134

Ion	Ratio	Lower	Upper
95	100		
132	54.6	63.5	123.5#
130	107.5	69.7	129.7
97	50.6	31.8	91.8

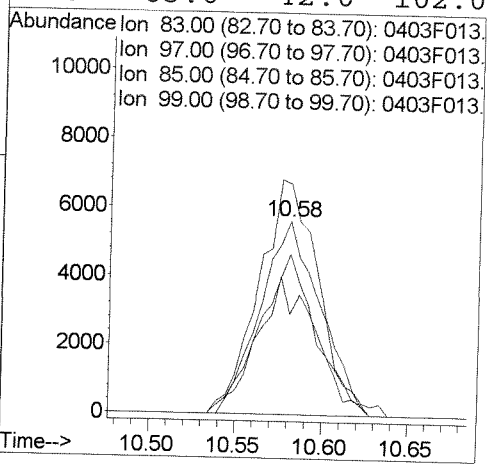


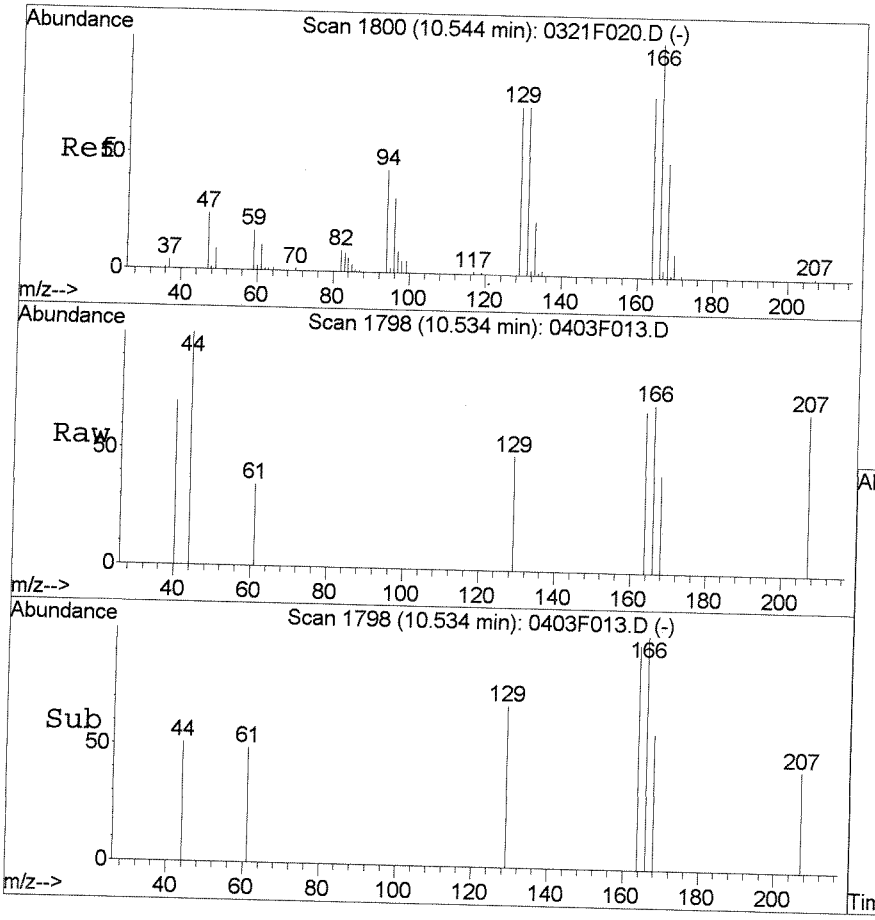


#64
1,1,2-Trichloroethane
Concen: 2.10 PPB
RT: 10.58 min Scan# 1807
Delta R.T. 0.01 min
Lab File: 0403F013.D
Acq: 3 Apr 2008 10:57 pm

Tgt Ion: 83 Resp: 13193

Ion	Ratio	Lower	Upper
83	100		
97	119.4	87.2	147.2
85	52.1	30.3	90.3
99	83.0	42.0	102.0

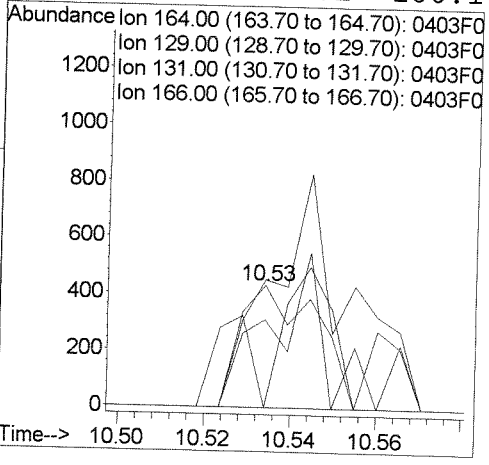




#65
Tetrachloroethene
Concen: 0.06 PPB
RT: 10.53 min Scan# 1798
Delta R.T. -0.01 min
Lab File: 0403F013.D
Acq: 3 Apr 2008 10:57 pm

Tgt Ion:164 Resp: 533

Ion	Ratio	Lower	Upper
164	100		
129	71.8	63.6	123.6
131	0.0	63.4	123.4#
166	104.6	100.1	160.1



Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0803087-4

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
Chloromethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Vinyl Chloride	ND	U	0.50	0.042	1	04/02/08	04/02/08	KWG0803087	
Bromomethane	ND	U	0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
Chloroethane	ND	U	0.50	0.23	1	04/02/08	04/02/08	KWG0803087	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Acetone	ND	U	20	4.1	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethene	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
Carbon Disulfide	ND	U	0.50	0.16	1	04/02/08	04/02/08	KWG0803087	
Methylene Chloride	ND	U	2.0	0.20	1	04/02/08	04/02/08	KWG0803087	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
2-Butanone (MEK)	ND	U	20	2.3	1	04/02/08	04/02/08	KWG0803087	
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/02/08	04/02/08	KWG0803087	
cis-1,2-Dichloroethene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Chloroform	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromochloromethane	ND	U	0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloroethane (EDC)	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Benzene	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Trichloroethene (TCE)	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromodichloromethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Dibromomethane	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
2-Hexanone	ND	U	20	4.0	1	04/02/08	04/02/08	KWG0803087	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Toluene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/02/08	04/02/08	KWG0803087	
1,1,2-Trichloroethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0803087-4

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
Dibromochloromethane	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/02/08	04/02/08	KWG0803087	
Chlorobenzene	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Ethylbenzene	ND	U	0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
m,p-Xylenes	ND	U	0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
o-Xylene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Styrene	ND	U	0.50	0.095	1	04/02/08	04/02/08	KWG0803087	
Bromoform	ND	U	0.50	0.28	1	04/02/08	04/02/08	KWG0803087	
Isopropylbenzene	ND	U	2.0	0.11	1	04/02/08	04/02/08	KWG0803087	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/02/08	04/02/08	KWG0803087	
Bromobenzene	ND	U	2.0	0.18	1	04/02/08	04/02/08	KWG0803087	
n-Propylbenzene	ND	U	2.0	0.098	1	04/02/08	04/02/08	KWG0803087	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/02/08	04/02/08	KWG0803087	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
n-Butylbenzene	ND	U	2.0	0.23	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/02/08	04/02/08	KWG0803087	
Naphthalene	ND	U	2.0	0.29	1	04/02/08	04/02/08	KWG0803087	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG0803087-4	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	93	75-120	04/02/08	Acceptable
Toluene-d8	109	80-128	04/02/08	Acceptable
4-Bromofluorobenzene	99	75-117	04/02/08	Acceptable

Comments:

Exception Report

Data File: J:\MS13\DATA\040208\0402F010.D
Lab ID: KWG0803087-4
RunType: MB
Matrix: WATER

Date Acquired: 04/02/2008 19:58
Date Quantitated: 04/03/2008 15:19
Batch ID: KWG0803086
Analysis Method: 8260B
MethodJoinID: MJ119

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA		x
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA		x
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA		x
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	1,4-Dioxane	0.0011	0.01	NA	NT
	Acetonitrile	0.0079	0.01	NA	MRL CHK
	tert-Butyl Alcohol	0.0075	0.01	NA	NT
	Isobutyl Alcohol	0.0031	0.01	NA	MRL CHK
Second Source ICAL Verification	tert-Butyl Formate	40.5	NA	30	NT
Continuing Calibration Recovery	Tetrahydrofuran	332.3	NA	30	
Continuing Calibration Minimum RF	1,4-Dioxane	0.0011	0.01	NA	"
	Acetonitrile	0.0078	0.01	NA	MRL CHK
	tert-Butyl Alcohol	0.0067	0.01	NA	NT
	Isobutyl Alcohol	0.0029	0.01	NA	MRL CHK
Std MRL Unsupported by ICAL	2-Nitropropane	6.3	5.0	NA	NT

Primary Review: [signature] 4/3/08

Secondary Review: [signature] 4/04/08

Printed: 04/03/2008 16:46:23
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8260B VOC_FP	**Collect Date:**		**Receive Date:**	04/03/2008

Analysis Lot:	KWG0803086	**Prep Lot:**	KWG0803087	**Report Group:**	
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	698956	**Prep Date:**	04/02/2008		

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:			
Tune Ref:	J:\MS13\DATA\040208\0402F002.D	**Method ID:**	MJ119
MB Ref:		**Quant based on Method**	

Data File:	J:\MS13\DATA\040208\0402F010.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 19:58	**Quant Date:**	04/03/2008 15:19	**Vial:**	10
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG0803087-4			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	6.14	0.00	96	562279	10.00	OK
2	Chlorobenzene-d5	12.05	0.00	82	238880	10.00	OK
3	1,4-Dichlorobenzene-d4	15.08	0.00	152	219580	10.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	Dibromofluoromethane	5.13	0.00	0.00	113	115315	9.28	93	75-120	OK
1	1,2-Dichloroethane-d4	5.68	0.00	0.00	65	132686	8.65	87	62-121	OK
1	Toluene-d8	9.33	0.00	0.00	98	590215	10.93	109	80-128	OK
2	4-Bromofluorobenzene	13.71	0.00	0.00	95	211438	9.93	99	75-117	OK

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane				85	0		0.17	U	
1	Chloromethane				50	0**d**		0.14	U	
1	Vinyl Chloride				62	0		0.042	U	
1	Bromomethane				96	0		0.22	U	
1	Chloroethane				64	0		0.23	U	
1	Dichlorofluoromethane (CFC 21				67	0		0.40	U	
1	Trichlorofluoromethane				101	0		0.14	U	
1	Ethyl Ether				59	0		0.058	U	
1	Acrolein				56	0		6.7	U	
1	Trichlorotrifluoroethane				151	0		0.14	U	
1	1,1-Dichloroethene				96	0		0.13	U	
1	Acetone				43	0**d**		4.1	U	
1	Iodomethane				142	0**d**		0.38	U	
1	Carbon Disulfide				76	0**d**		0.16	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040208\0402F010.D		**Instrument:** MS13
Acqu Date:	04/02/2008 19:58	**Quant Date:** 04/03/2008 15:19	**Vial:** 10
Run Type:	MB		**Dilution:** 1.0
Lab ID:	KWG0803087-4		**Soln Conc. Units:** PPB

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	3-Chloro-1-propene				76	0d		0.16	U	
1	Acetonitrile				40	0d		7.5	U	
1	Methylene Chloride	2.92	-0.01	0.00	84	2277	0.1400	0.20	U	
1	tert-Butyl Alcohol				59	0		1.1	U	
1	Acrylonitrile				53	0		0.54	U	
1	Methyl tert-Butyl Ether				73	0		0.20	U	
1	trans-1,2-Dichloroethene				96	0		0.15	U	
1	n-Hexane				57	0d		0.19	U	
1	Diisopropyl Ether				45	0		0.25	U	
1	1,1-Dichloroethane				63	0		0.11	U	
1	Vinyl Acetate				86	0		0.91	U	
1	Chloroprene				53	0		0.35	U	
1	tert-Butyl Ethyl Ether				59	0		0.075	U	
1	2,2-Dichloropropane				77	0		0.18	U	
1	cis-1,2-Dichloroethene				96	0		0.12	U	
1	2-Butanone (MEK)				72	0		2.3	U	
1	Propionitrile				54	0		1.3	U	
1	Ethyl Acetate				61	0		0.80	U	
1	Methacrylonitrile				67	0		0.45	U	
1	Bromochloromethane				128	0		0.17	U	
1	Tetrahydrofuran	4.76	-0.01	0.00	71	19582	30.56	30.6		
1	Chloroform				83	0		0.14	U	
1	tert-Butyl Formate				59	0		0.18	U	
1	1,1,1-Trichloroethane (TCA)				97	0		0.12	U	
1	Carbon Tetrachloride				117	0		0.14	U	
1	1,1-Dichloropropene				75	0		0.15	U	
1	Isobutyl Alcohol				43	0		12	U	
1	Benzene				78	0		0.14	U	
1	1,2-Dichloroethane (EDC)				62	0		0.12	U	
1	tert-Amyl Methyl Ether				55	0		0.15	U	
1	Trichloroethene (TCE)				95	0		0.14	U	
1	1,2-Dichloropropane				63	0		0.14	U	
1	Dibromomethane				93	0		0.12	U	
1	Methyl Methacrylate				69	0		0.36	U	
1	1,4-Dioxane				88	0		26	U	
1	Bromodichloromethane				83	0		0.11	U	
1	2-Nitropropane				43	0		2.0	U	
1	2-Chloroethyl Vinyl Ether				63	0		0.34	U	
1	cis-1,3-Dichloropropene				75	0		0.11	U	
1	4-Methyl-2-pentanone (MIBK)				58	0d		2.7	U	
1	Toluene				92	0		0.11	U	
2	n-Octane				85	0		0.29	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040208\0402F010.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 19:58	**Quant Date:**	04/03/2008 15:19	**Vial:**	10
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG0803087-4			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
2	trans-1,3-Dichloropropene				75	0		0.090	U	
2	Ethyl Methacrylate				69	0		0.13	U	
2	1,1,2-Trichloroethane				83	0		0.14	U	
2	Tetrachloroethene (PCE)				164	0		0.13	U	
2	2-Hexanone				57	0		4.0	U	
2	1,3-Dichloropropane				76	0		0.15	U	
2	Dibromochloromethane				129	0		0.11	U	
2	1,2-Dibromoethane (EDB)				107	0		0.099	U	
2	1-Chlorohexane				91	0**d**		0.13	U	
2	Chlorobenzene				112	0		0.14	U	
2	Ethylbenzene				106	0		0.13	U	
2	1,1,1,2-Tetrachloroethane				131	0		0.12	U	
2	m,p-Xylenes				106	0		0.22	U	
2	o-Xylene				106	0		0.11	U	
2	Styrene				103	0		0.095	U	
2	Bromoform				173	0		0.28	U	
2	Isopropylbenzene				105	0		0.11	U	
2	cis-1,4-Dichloro-2-butene				89	0		0.84	U	
3	1,1,2,2-Tetrachloroethane				83	0		0.14	U	
3	trans-1,4-Dichloro-2-butene				53	0		0.60	U	
3	Bromobenzene				156	0		0.18	U	
3	n-Propylbenzene				91	0**d**		0.098	U	
3	1,2,3-Trichloropropane				110	0		0.24	U	
3	2-Chlorotoluene				91	0		0.12	U	
3	1,3,5-Trimethylbenzene				105	0		0.13	U	
3	4-Chlorotoluene				91	0		0.12	U	
3	tert-Butylbenzene				119	0**d**		0.13	U	
3	1,2,4-Trimethylbenzene				105	0		0.15	U	
3	sec-Butylbenzene				105	0**d**		0.13	U	
3	4-Isopropyltoluene				119	0**d**		0.13	U	
3	1,3-Dichlorobenzene				146	0**d**		0.11	U	
3	1,4-Dichlorobenzene				146	0**d**		0.12	U	
3	n-Butylbenzene				91	0**d**		0.23	U	
3	1,2-Dichlorobenzene				146	0**d**		0.12	U	
3	1,2-Dibromo-3-chloropropane				155	0		1.0	U	
3	1,3,5-Trichlorobenzene	16.57		0.00	180	2690	0.1300	0.35	U	
3	1,2,4-Trichlorobenzene	17.26		0.00	180	1894	0.1100	0.22	U	
3	Hexachlorobutadiene	17.40	0.01	0.00	225	713	0.0800	0.28	U	
3	Naphthalene	17.52		0.00	128	4258	0.1800	0.29	U	
3	1,2,3-Trichlorobenzene	17.78	0.01	0.00	180	2658	0.2000	0.33	U	
	1,1,2-Trifluoroethane				0	0		1.0	U	NR
	Bis(chloromethyl) Ether				0	0		1.0	U	NR

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e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040208\0402F010.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 19:58	**Quant Date:**	04/03/2008 15:19	**Vial:**	10
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG0803087-4			**Soln Conc. Units:**	PPB

Target Compounds

Final Conc. Units: ug/L

Parameter Name	RT	RT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1,1-Dichloropropane			0	0		1.0	U	NR
Cyclohexanone			0	0		4.0	U	NR

Prep Amount: 10 ml **Dilution:** 1.0
Prep Final Vol: 10 ml **Unit Factor:** 1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
P: Presumptive evidence of compound

D: Result from dilution
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#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

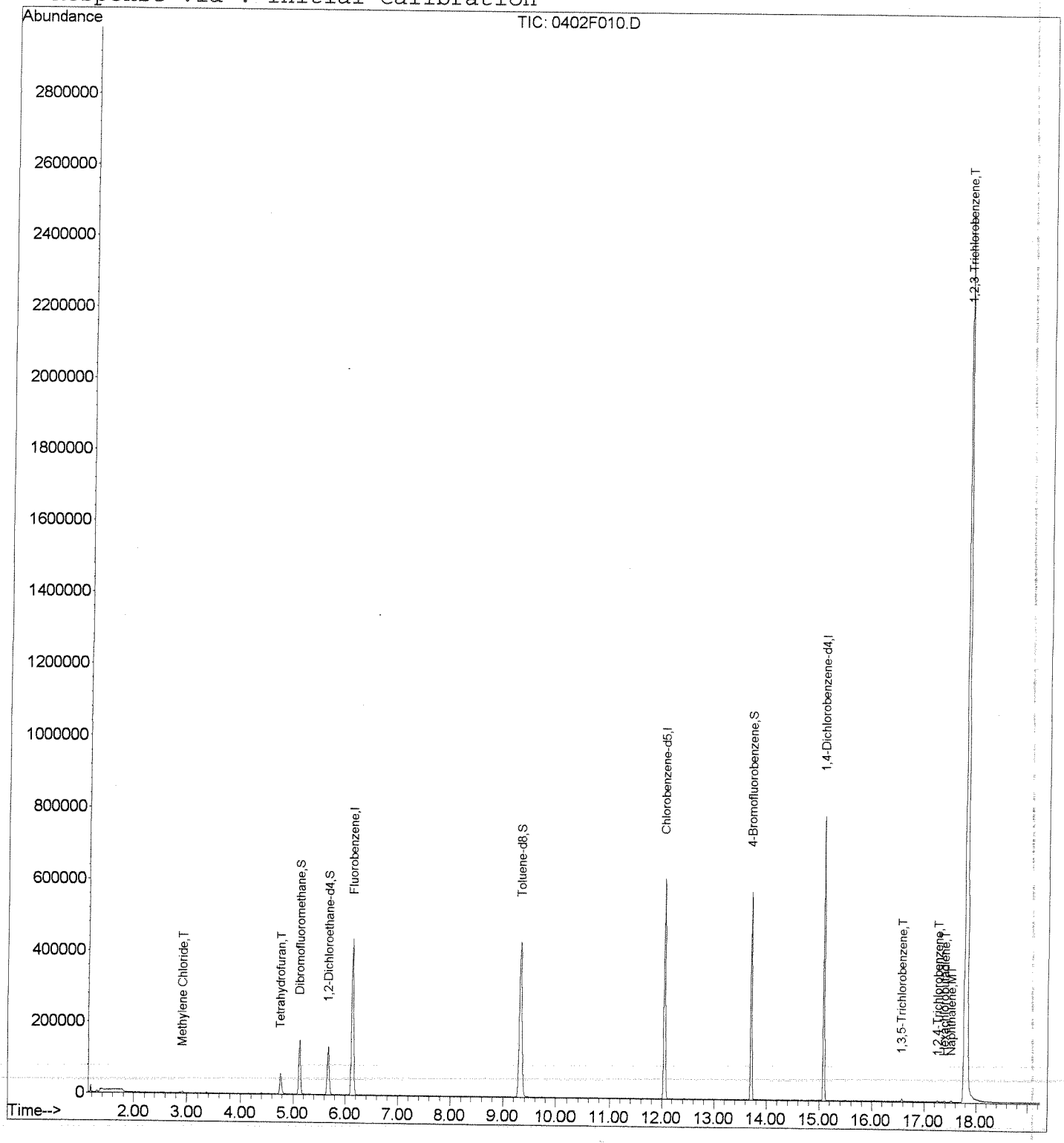
Quantitation Report (QT Reviewed)

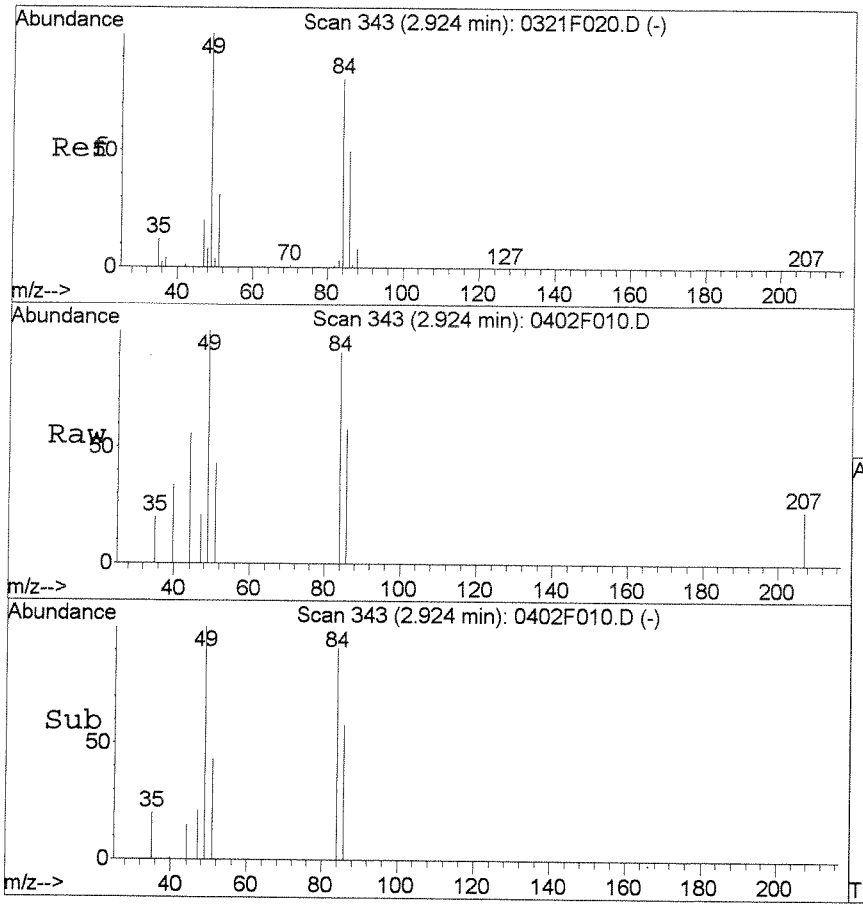
Data File : J:\MS13\DATA\040208\0402F010.D
Acq On : 2 Apr 2008 7:58 pm
Sample : 0402 MB W
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 15:19 2008

Vial: 10
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration

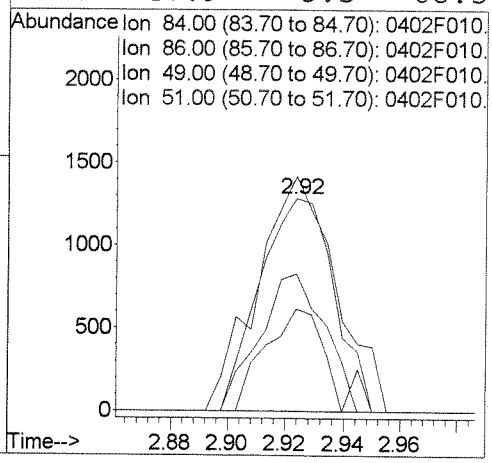


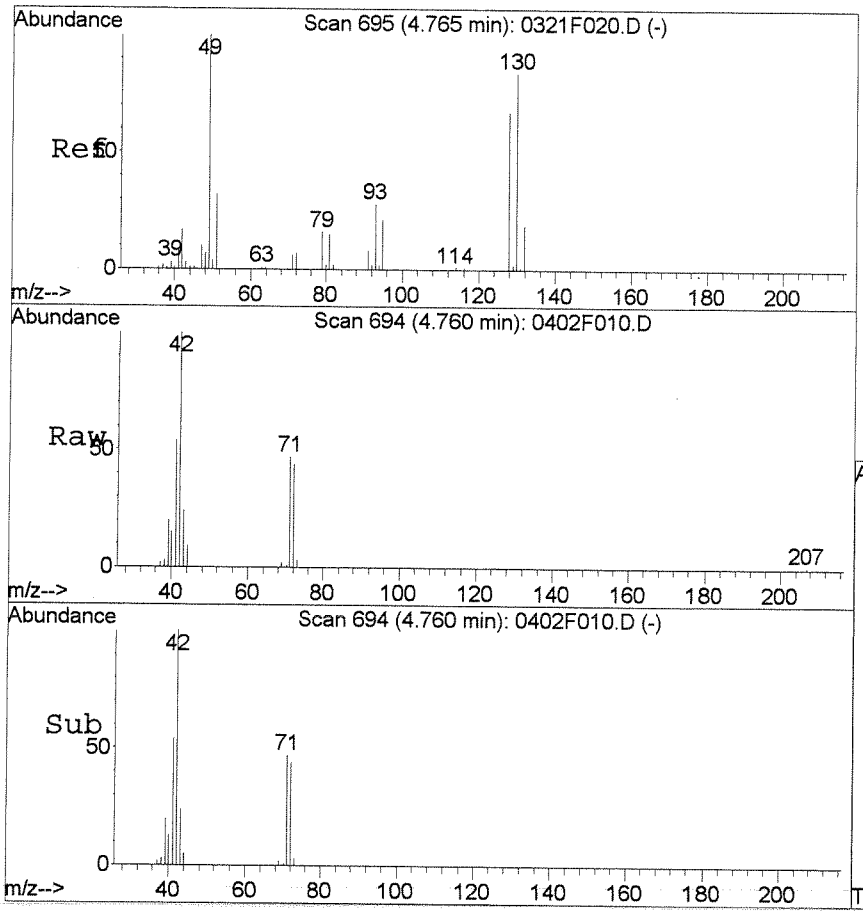


#18
Methylene Chloride
Concen: 0.14 PPB
RT: 2.92 min Scan# 343
Delta R.T. 0.00 min
Lab File: 0402F010.D
Acq: 2 Apr 2008 7:58 pm

Tgt Ion: 84 Resp: 2277

Ion	Ratio	Lower	Upper
84	100		
86	64.4	32.7	92.7
49	110.3	92.8	152.8
51	47.9	8.5	68.5

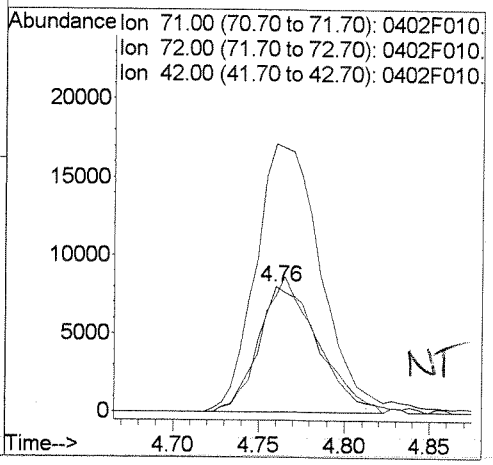


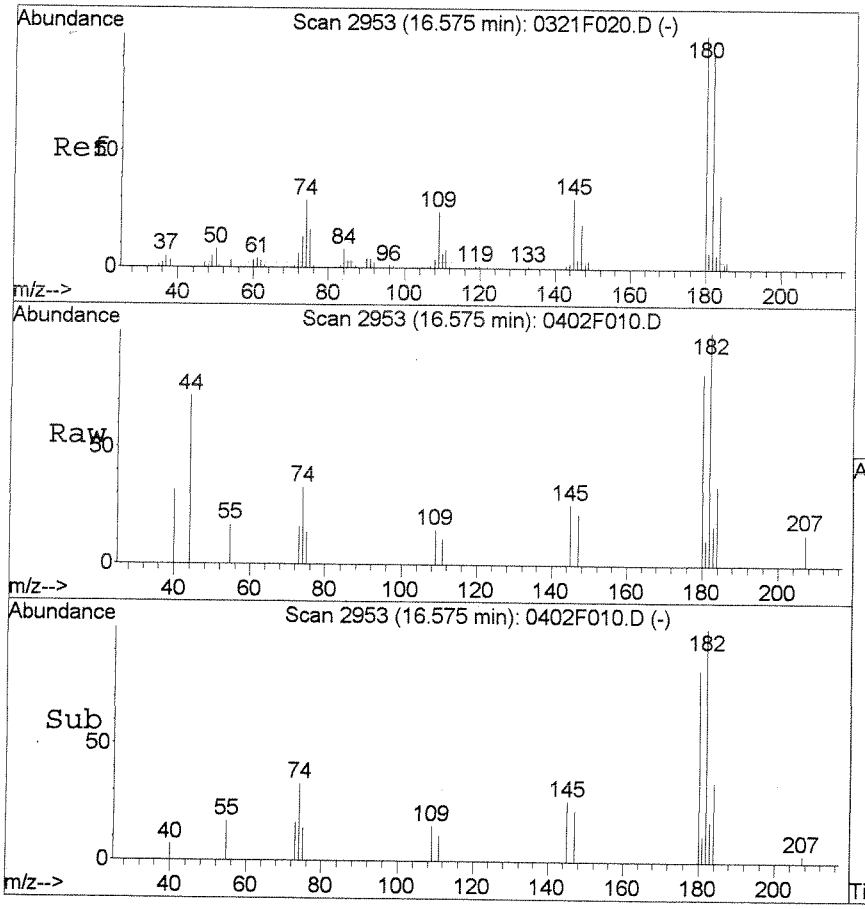


#36
Tetrahydrofuran
Concen: 30.56 PPB
RT: 4.76 min Scan# 694
Delta R.T. -0.01 min
Lab File: 0402F010.D
Acq: 2 Apr 2008 7:58 pm

Tgt Ion: 71 Resp: 19582

Ion	Ratio	Lower	Upper
71	100		
72	93.0	79.7	139.7
42	213.6	230.0	290.0#

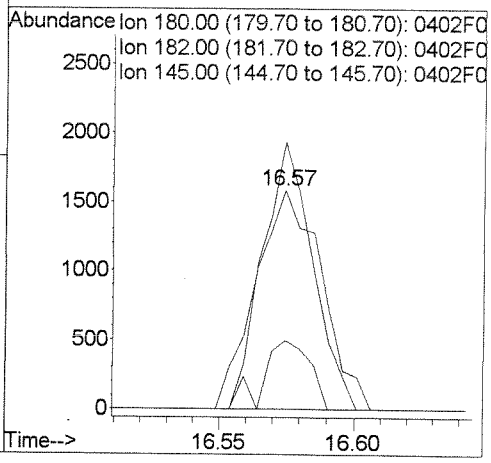


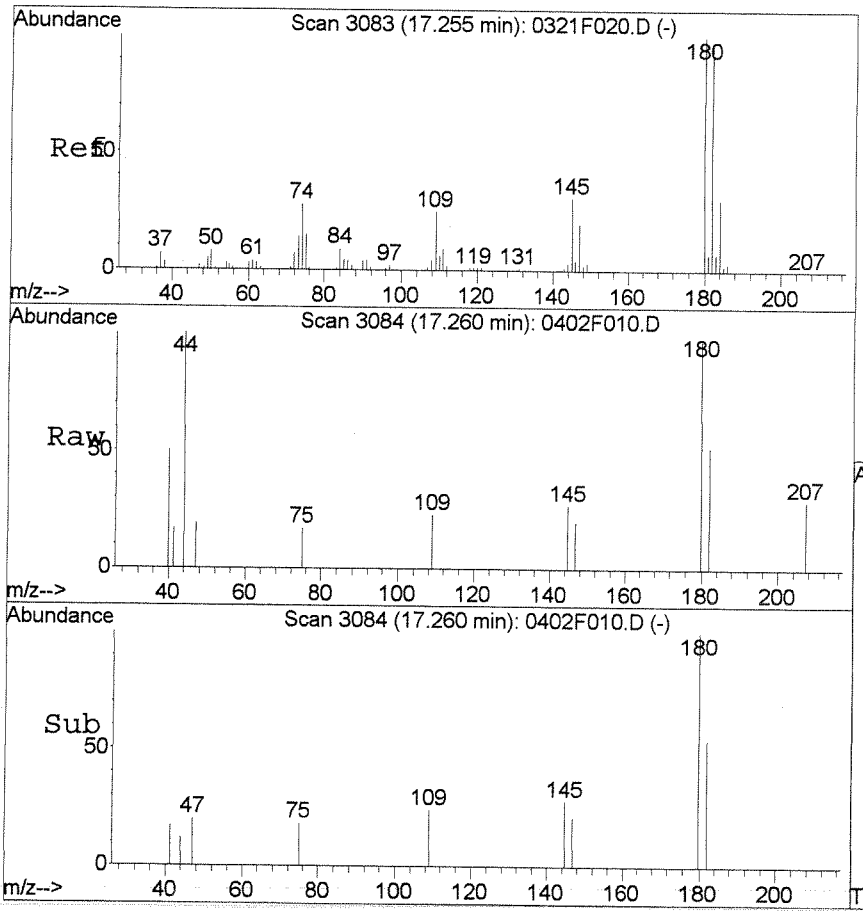


#99
1,3,5-Trichlorobenzene
Concen: 0.13 PPB
RT: 16.57 min Scan# 2953
Delta R.T. -0.00 min
Lab File: 0402F010.D
Acq: 2 Apr 2008 7:58 pm

Tgt Ion:180 Resp: 2690

Ion	Ratio	Lower	Upper
180	100		
182	122.0	65.8	125.8
145	31.3	0.2	60.2

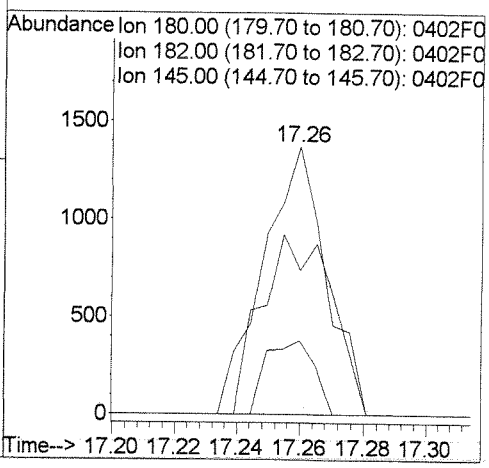


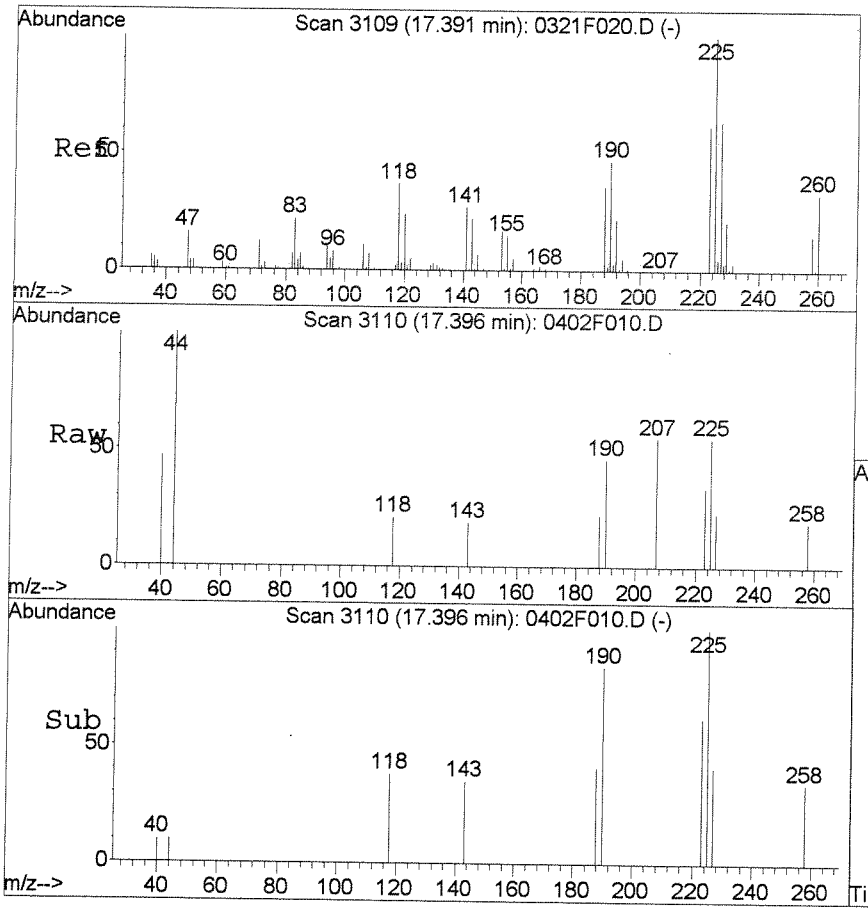


#100
1,2,4-Trichlorobenzene
Concen: 0.11 PPB
RT: 17.26 min Scan# 3084
Delta R.T. 0.01 min
Lab File: 0402F010.D
Acq: 2 Apr 2008 7:58 pm

Tgt Ion:180 Resp: 1894

Ion	Ratio	Lower	Upper
180	100		
182	53.9	66.9	126.9#
145	27.6	1.0	61.0

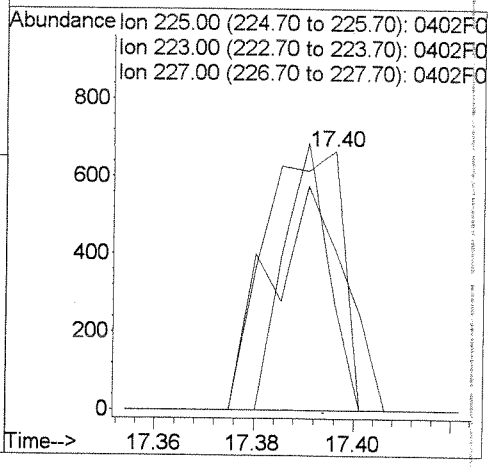


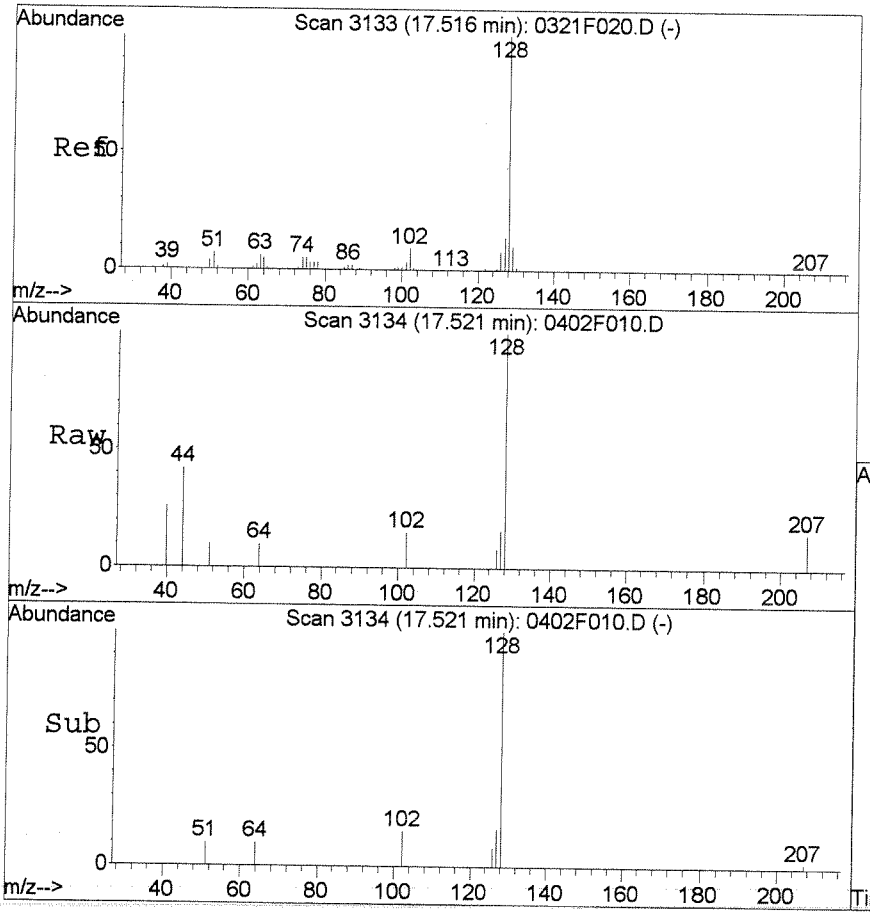


#101
Hexachlorobutadiene
Concen: 0.08 PPB
RT: 17.40 min Scan# 3110
Delta R.T. 0.01 min
Lab File: 0402F010.D
Acq: 2 Apr 2008 7:58 pm

Tgt Ion:225 Resp: 713

Ion	Ratio	Lower	Upper
225	100		
223	62.1	32.3	92.3
227	41.2	34.3	94.3

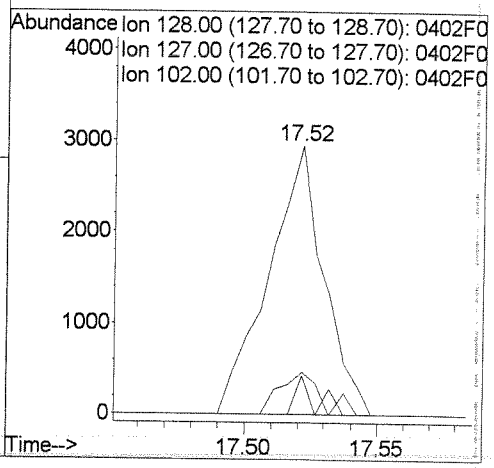


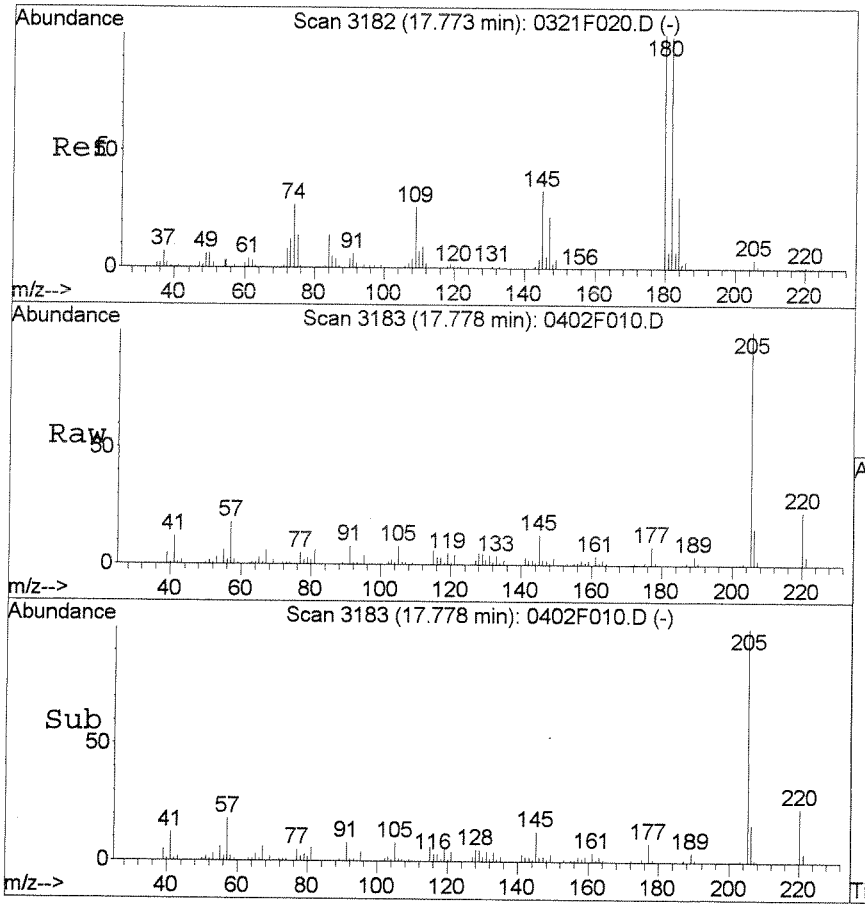


#102
Naphthalene
Concen: 0.18 PPB
RT: 17.52 min Scan# 3134
Delta R.T. 0.01 min
Lab File: 0402F010.D
Acq: 2 Apr 2008 7:58 pm

Tgt Ion:128 Resp: 4258

Ion	Ratio	Lower	Upper
128	100		
127	15.9	0.0	43.9
102	14.6	0.0	39.2

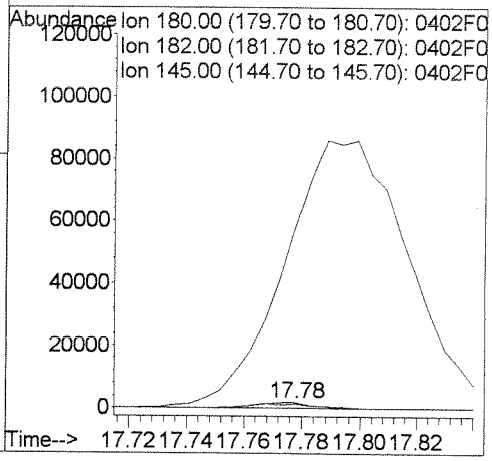




#103
1,2,3-Trichlorobenzene
Concen: 0.20 PPB
RT: 17.78 min Scan# 3183
Delta R.T. 0.01 min
Lab File: 0402F010.D
Acq: 2 Apr 2008 7:58 pm

Tgt Ion:180 Resp: 2658

Ion	Ratio	Lower	Upper
180	100		
182	76.9	68.9	128.9
145	2919.8	2.7	62.7#



Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0803135-4

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	0.17	1	04/03/08	04/03/08	KWG0803135	
Chloromethane	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Vinyl Chloride	ND	U	0.50	0.042	1	04/03/08	04/03/08	KWG0803135	
Bromomethane	ND	U	0.50	0.22	1	04/03/08	04/03/08	KWG0803135	
Chloroethane	ND	U	0.50	0.23	1	04/03/08	04/03/08	KWG0803135	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Acetone	ND	U	20	4.1	1	04/03/08	04/03/08	KWG0803135	
1,1-Dichloroethene	ND	U	0.50	0.13	1	04/03/08	04/03/08	KWG0803135	
Carbon Disulfide	ND	U	0.50	0.16	1	04/03/08	04/03/08	KWG0803135	
Methylene Chloride	ND	U	2.0	0.20	1	04/03/08	04/03/08	KWG0803135	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/03/08	04/03/08	KWG0803135	
1,1-Dichloroethane	ND	U	0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
2-Butanone (MEK)	ND	U	20	2.3	1	04/03/08	04/03/08	KWG0803135	
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/03/08	04/03/08	KWG0803135	
cis-1,2-Dichloroethene	ND	U	0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
Chloroform	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Bromochloromethane	ND	U	0.50	0.17	1	04/03/08	04/03/08	KWG0803135	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/03/08	04/03/08	KWG0803135	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,2-Dichloroethane (EDC)	ND	U	0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
Benzene	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Trichloroethene (TCE)	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Bromodichloromethane	ND	U	0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
Dibromomethane	ND	U	0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
2-Hexanone	ND	U	20	4.0	1	04/03/08	04/03/08	KWG0803135	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
Toluene	ND	U	0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/03/08	04/03/08	KWG0803135	
1,1,2-Trichloroethane	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/03/08	04/03/08	KWG0803135	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/03/08	04/03/08	KWG0803135	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0803135-4

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	0.13	1	04/03/08	04/03/08	KWG0803135	
Dibromochloromethane	ND	U	0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/03/08	04/03/08	KWG0803135	
Chlorobenzene	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
Ethylbenzene	ND	U	0.50	0.13	1	04/03/08	04/03/08	KWG0803135	
m,p-Xylenes	ND	U	0.50	0.22	1	04/03/08	04/03/08	KWG0803135	
o-Xylene	ND	U	0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
Styrene	ND	U	0.50	0.095	1	04/03/08	04/03/08	KWG0803135	
Bromoform	ND	U	0.50	0.28	1	04/03/08	04/03/08	KWG0803135	
Isopropylbenzene	ND	U	2.0	0.11	1	04/03/08	04/03/08	KWG0803135	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/03/08	04/03/08	KWG0803135	
Bromobenzene	ND	U	2.0	0.18	1	04/03/08	04/03/08	KWG0803135	
n-Propylbenzene	ND	U	2.0	0.098	1	04/03/08	04/03/08	KWG0803135	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/03/08	04/03/08	KWG0803135	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/03/08	04/03/08	KWG0803135	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/03/08	04/03/08	KWG0803135	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
n-Butylbenzene	ND	U	2.0	0.23	1	04/03/08	04/03/08	KWG0803135	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/03/08	04/03/08	KWG0803135	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/03/08	04/03/08	KWG0803135	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/03/08	04/03/08	KWG0803135	
Naphthalene	ND	U	2.0	0.29	1	04/03/08	04/03/08	KWG0803135	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/03/08	04/03/08	KWG0803135	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/03/08	04/03/08	KWG0803135	

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG0803135-4	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	96	75-120	04/03/08	Acceptable
Toluene-d8	110	80-128	04/03/08	Acceptable
4-Bromofluorobenzene	101	75-117	04/03/08	Acceptable

Comments:

Exception Report

Data File: J:\MS13\DATA\040308\0403F008.D
Lab ID: KWG0803135-4
RunType: MB
Matrix: WATER

Date Acquired: 04/03/2008 20:39
Date Quantitated: 04/03/2008 23:16
Batch ID: KWG0803131
Analysis Method: 8260B
MethodJoinID: MJ119

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA		x
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA		x
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA		x
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	1,4-Dioxane	0.0011	0.01	NA	NT
	Acetonitrile	0.0079	0.01	NA	
	tert-Butyl Alcohol	0.0075	0.01	NA	
	Isobutyl Alcohol	0.0031	0.01	NA	
Second Source ICAL Verification	tert-Butyl Formate	40.5	NA	30	
Continuing Calibration Recovery	Tetrahydrofuran	299.5	NA	30	
Continuing Calibration Minimum RF	1,4-Dioxane	0.0011	0.01	NA	
	Acetonitrile	0.0075	0.01	NA	
	tert-Butyl Alcohol	0.0066	0.01	NA	
	Isobutyl Alcohol	0.0027	0.01	NA	
Std MRL Unsupported by ICAL	2-Nitropropane	6.3	5.0	NA	

Primary Review: LC 4/4/08

Secondary Review: HL 04.07.08

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8260B VOC_UNP	**Collect Date:**		**Receive Date:**	04/04/2008

Analysis Lot:	KWG0803131	**Prep Lot:**	KWG0803135	**Report Group:**	
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	699294	**Prep Date:**	04/03/2008		

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:			
Tune Ref:	J:\MS13\DATA\040308\0403F002.D	**Method ID:**	MJ119
MB Ref:		**Quant based on Method**	

Data File:	J:\MS13\DATA\040308\0403F008.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 20:39	**Quant Date:**	04/03/2008 23:16	**Vial:**	8
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG0803135-4			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	6.14	0.00	96	448231	10.00	OK
2	Chlorobenzene-d5	12.05	0.00	82	193243	10.00	OK
3	1,4-Dichlorobenzene-d4	15.08	0.00	152	181533	10.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	Dibromofluoromethane	5.12	-0.01	0.00	113	95187	9.61	96	75-120	OK
1	1,2-Dichloroethane-d4	5.67	-0.01	0.00	65	114606	9.37	94	62-121	OK
1	Toluene-d8	9.33	-0.01	0.00	98	474896	11.03	110	80-128	OK
2	4-Bromofluorobenzene	13.71	0.00	0.00	95	174426	10.13	101	75-117	OK

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane				85	0		0.17	U	
1	Chloromethane				50	0		0.14	U	
1	Vinyl Chloride				62	0		0.042	U	
1	Bromomethane				96	0		0.22	U	
1	Chloroethane				64	0		0.23	U	
1	Dichlorofluoromethane (CFC 21				67	0		0.40	U	
1	Trichlorofluoromethane				101	0		0.14	U	
1	Ethyl Ether				59	0		0.058	U	
1	Acrolein				56	0		6.7	U	
1	Trichlorotrifluoroethane				151	0		0.14	U	
1	1,1-Dichloroethene				96	0		0.13	U	
1	Acetone	2.52		0.00	43	3468	2.23	4.1	U	
1	Iodomethane				142	0		0.38	U	
1	Carbon Disulfide				76	0		0.16	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F008.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 20:39	**Quant Date:**	04/03/2008 23:16	**Vial:**	8
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG0803135-4			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	3-Chloro-1-propene				76	0		0.16	U	
1	Acetonitrile				40	0d		7.5	U	
1	Methylene Chloride	2.93		0.00	84	1087	0.0900	0.20	U	
1	tert-Butyl Alcohol				59	0		1.1	U	
1	Acrylonitrile				53	0		0.54	U	
1	Methyl tert-Butyl Ether				73	0		0.20	U	
1	trans-1,2-Dichloroethene				96	0		0.15	U	
1	n-Hexane	3.36		0.00	57	916	0.0600	0.19	U	
1	Diisopropyl Ether				45	0		0.25	U	
1	1,1-Dichloroethane				63	0		0.11	U	
1	Vinyl Acetate				86	0		0.91	U	
1	Chloroprene				53	0		0.35	U	
1	tert-Butyl Ethyl Ether				59	0		0.075	U	
1	2,2-Dichloropropane				77	0		0.18	U	
1	cis-1,2-Dichloroethene				96	0		0.12	U	
1	2-Butanone (MEK)				72	0		2.3	U	
1	Propionitrile				54	0		1.3	U	
1	Ethyl Acetate				61	0		0.80	U	
1	Methacrylonitrile				67	0		0.45	U	
1	Bromochloromethane				128	0		0.17	U	
1	Tetrahydrofuran	4.76	-0.01	0.00	71	15462	30.27	30.3		
1	Chloroform				83	0		0.14	U	
1	tert-Butyl Formate				59	0		0.18	U	
1	1,1,1-Trichloroethane (TCA)				97	0		0.12	U	
1	Carbon Tetrachloride				117	0		0.14	U	
1	1,1-Dichloropropene				75	0		0.15	U	
1	Isobutyl Alcohol				43	0		12	U	
1	Benzene				78	0		0.14	U	
1	1,2-Dichloroethane (EDC)				62	0		0.12	U	
1	tert-Amyl Methyl Ether				55	0		0.15	U	
1	Trichloroethene (TCE)				95	0		0.14	U	
1	1,2-Dichloropropane				63	0		0.14	U	
1	Dibromomethane				93	0		0.12	U	
1	Methyl Methacrylate				69	0		0.36	U	
1	1,4-Dioxane				88	0		26	U	
1	Bromodichloromethane				83	0		0.11	U	
1	2-Nitropropane				43	0		2.0	U	
1	2-Chloroethyl Vinyl Ether				63	0		0.34	U	
1	cis-1,3-Dichloropropene				75	0		0.11	U	
1	4-Methyl-2-pentanone (MIBK)				58	0d		2.7	U	
1	Toluene				92	0		0.11	U	
2	n-Octane				85	0		0.29	U	

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B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F008.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 20:39	**Quant Date:**	04/03/2008 23:16	**Vial:**	8
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG0803135-4			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
2	trans-1,3-Dichloropropene				75	0		0.090	U	
2	Ethyl Methacrylate				69	0		0.13	U	
2	1,1,2-Trichloroethane				83	0		0.14	U	
2	Tetrachloroethene (PCE)				164	0		0.13	U	
2	2-Hexanone				57	0		4.0	U	
2	1,3-Dichloropropane				76	0		0.15	U	
2	Dibromochloromethane				129	0		0.11	U	
2	1,2-Dibromoethane (EDB)				107	0		0.099	U	
2	1-Chlorohexane				91	0**d**		0.13	U	
2	Chlorobenzene				112	0		0.14	U	
2	Ethylbenzene				106	0		0.13	U	
2	1,1,1,2-Tetrachloroethane				131	0		0.12	U	
2	m,p-Xylenes				106	0		0.22	U	
2	o-Xylene				106	0		0.11	U	
2	Styrene				103	0		0.095	U	
2	Bromoform				173	0		0.28	U	
2	Isopropylbenzene				105	0		0.11	U	
2	cis-1,4-Dichloro-2-butene				89	0		0.84	U	
3	1,1,2,2-Tetrachloroethane				83	0		0.14	U	
3	trans-1,4-Dichloro-2-butene				53	0		0.60	U	
3	Bromobenzene				156	0		0.18	U	
3	n-Propylbenzene				91	0**d**		0.098	U	
3	1,2,3-Trichloropropane				110	0		0.24	U	
3	2-Chlorotoluene				91	0		0.12	U	
3	1,3,5-Trimethylbenzene				105	0		0.13	U	
3	4-Chlorotoluene				91	0		0.12	U	
3	tert-Butylbenzene				119	0		0.13	U	
3	1,2,4-Trimethylbenzene				105	0		0.15	U	
3	sec-Butylbenzene				105	0**d**		0.13	U	
3	4-Isopropyltoluene				119	0**d**		0.13	U	
3	1,3-Dichlorobenzene				146	0		0.11	U	
3	1,4-Dichlorobenzene				146	0		0.12	U	
3	n-Butylbenzene				91	0**d**		0.23	U	
3	1,2-Dichlorobenzene				146	0		0.12	U	
3	1,2-Dibromo-3-chloropropane				155	0		1.0	U	
3	1,3,5-Trichlorobenzene	16.57		0.00	180	2826	0.1600	0.35	U	
3	1,2,4-Trichlorobenzene	17.26	0.01	0.00	180	1437	0.1000	0.22	U	
3	Hexachlorobutadiene	17.39		0.00	225	944	0.1300	0.28	U	
3	Naphthalene	17.53	0.01	0.00	128	2585	0.1300	0.29	U	
3	1,2,3-Trichlorobenzene	17.77		0.00	180	2008	0.1800	0.33	U	
	1,1,2-Trifluoroethane				0	0		1.0	U	NR
	Bis(chloromethyl) Ether				0	0		1.0	U	NR

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N: Presumptive evidence of compound

D: Result from dilution
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d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F008.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 20:39	**Quant Date:**	04/03/2008 23:16	**Vial:**	8
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG0803135-4			**Soln Conc. Units:**	PPB

Target Compounds

Final Conc. Units: ug/L

Parameter Name	RT	RT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1,1-Dichloropropane			0	0		1.0	U	NR
Cyclohexanone			0	0		4.0	U	NR

Prep Amount: 10 ml **Dilution:** 1.0
Prep Final Vol: 10 ml **Unit Factor:** 1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

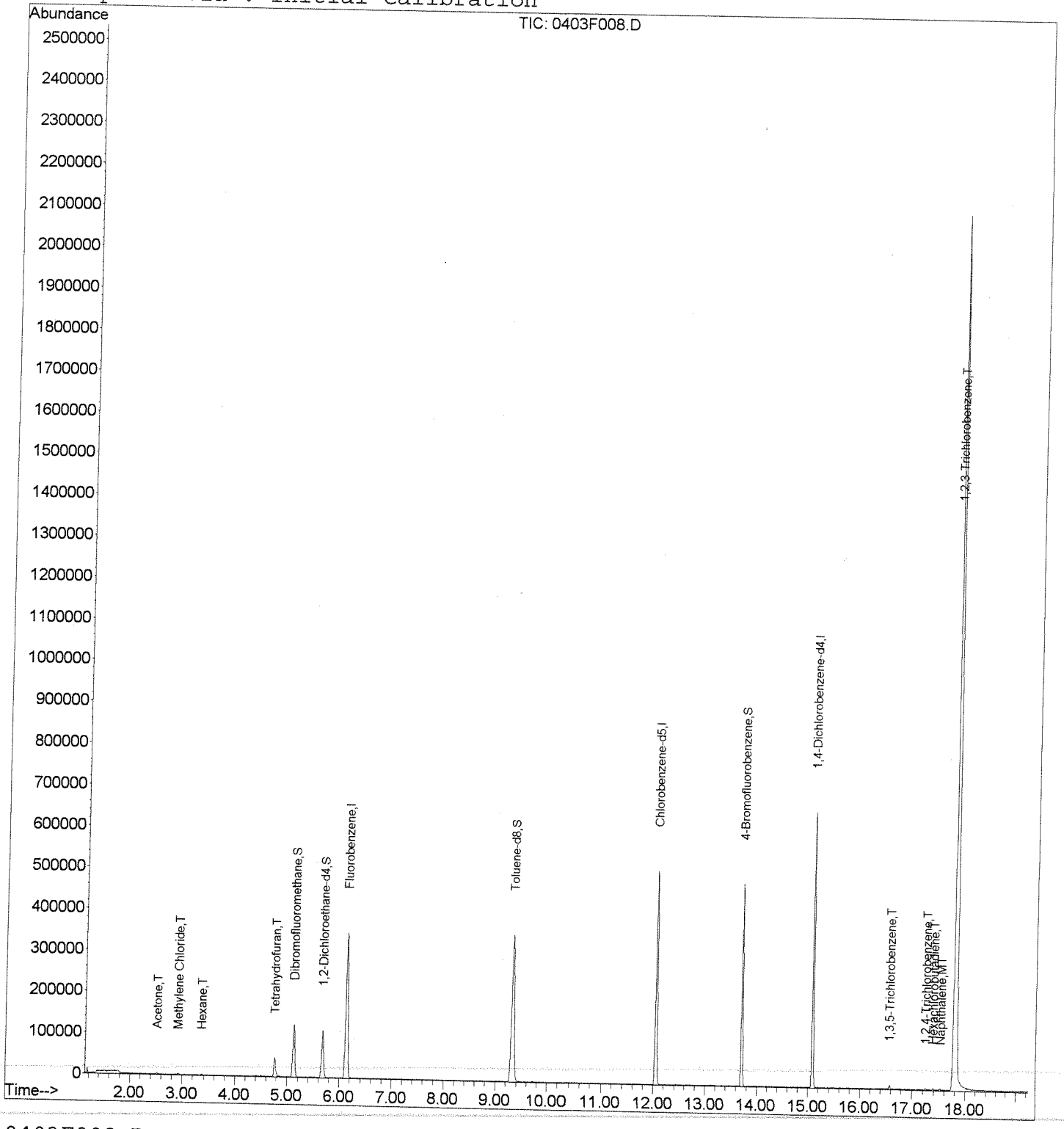
Quantitation Report (QT Reviewed)

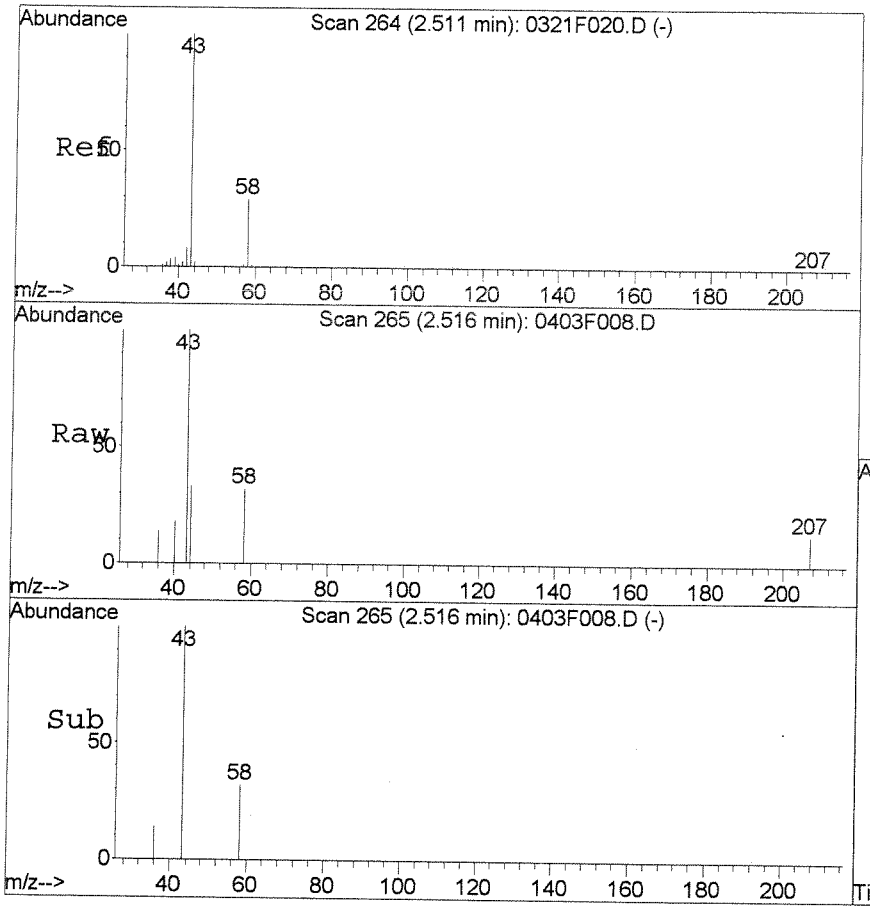
Data File : J:\MS13\DATA\040308\0403F008.D
Acq On : 3 Apr 2008 8:39 pm
Sample : 0403 MB W
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 23:16 2008

Vial: 8
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration

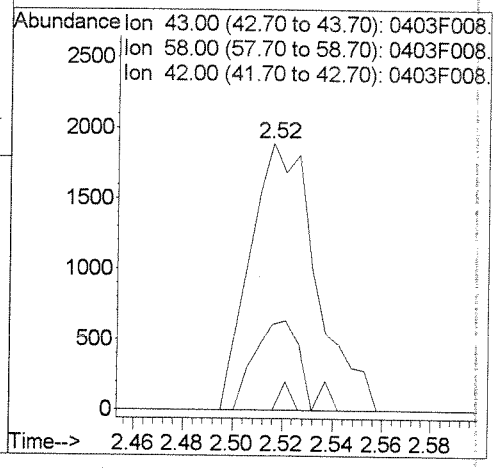


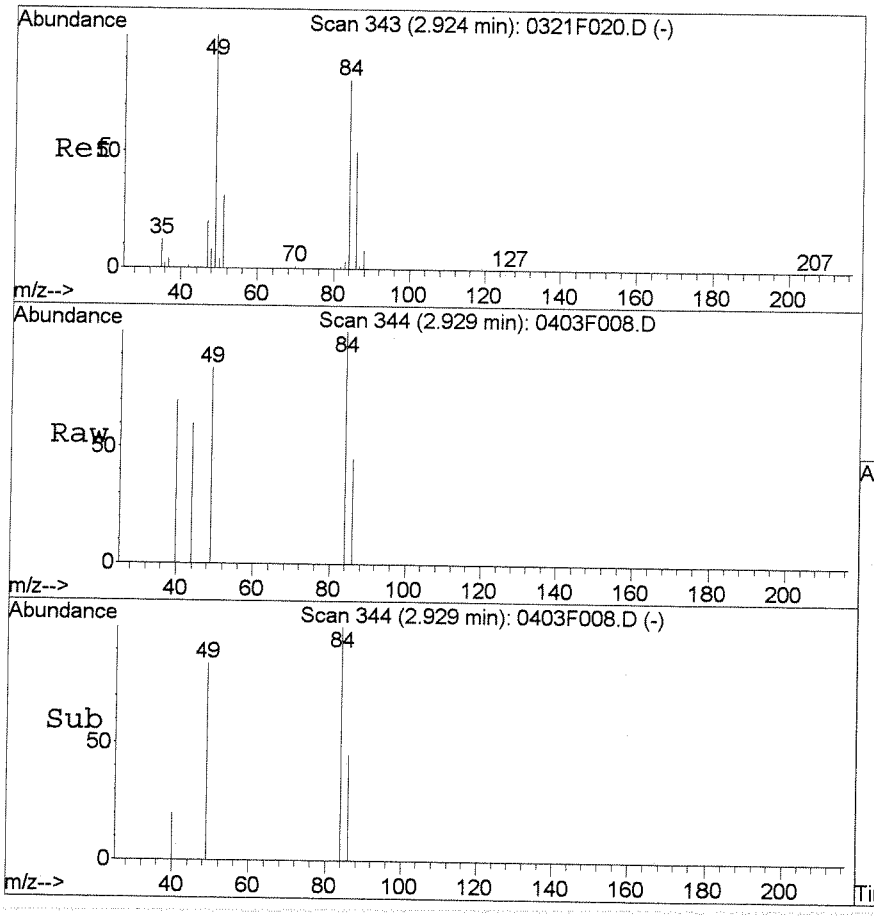


#13
Acetone
Concen: 2.23 PPB
RT: 2.52 min Scan# 265
Delta R.T. 0.01 min
Lab File: 0403F008.D
Acq: 3 Apr 2008 8:39 pm

Tgt Ion: 43 Resp: 3468

Ion	Ratio	Lower	Upper
43	100		
58	32.1	0.0	59.0
42	0.0	0.0	38.2

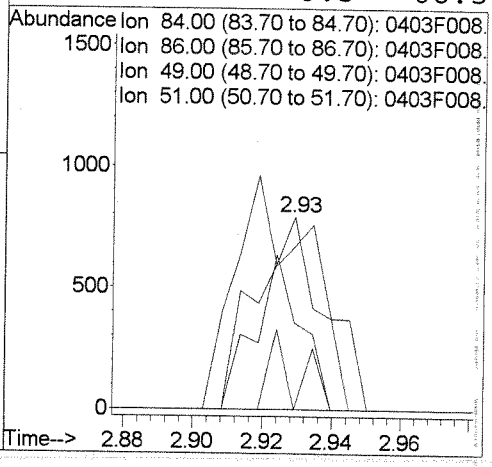


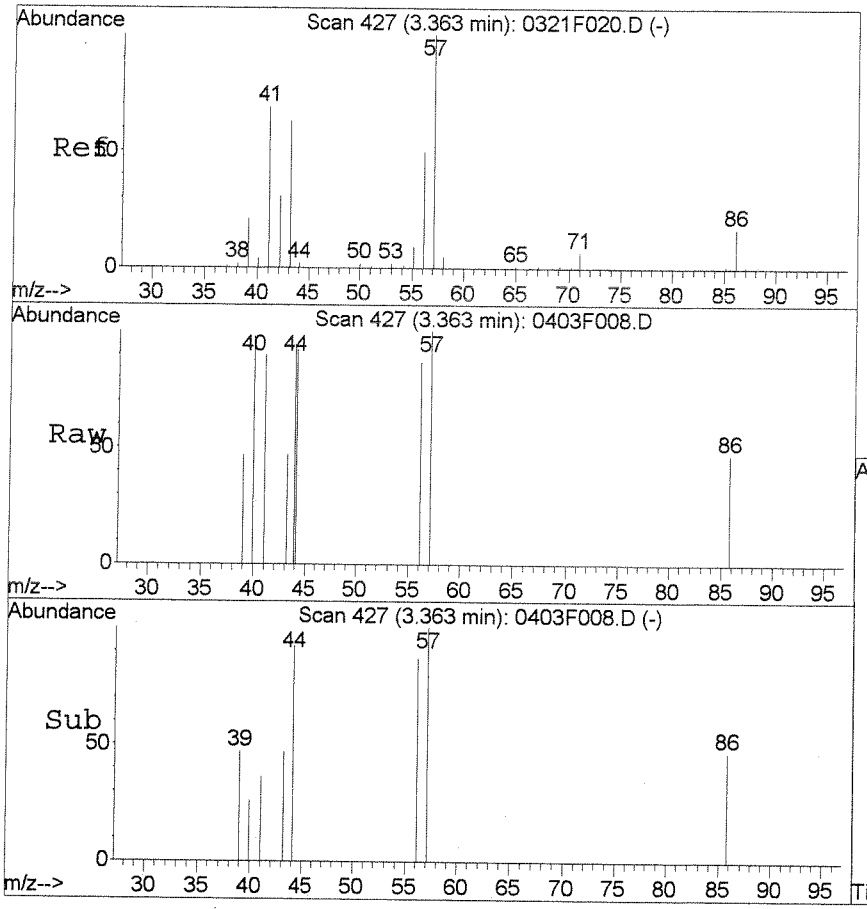


#18
Methylene Chloride
Concen: 0.09 PPB
RT: 2.93 min Scan# 344
Delta R.T. 0.01 min
Lab File: 0403F008.D
Acq: 3 Apr 2008 8:39 pm

Tgt Ion: 84 Resp: 1087

Ion	Ratio	Lower	Upper
84	100		
86	44.9	32.7	92.7
49	84.5	92.8	152.8#
51	0.0	8.5	68.5#

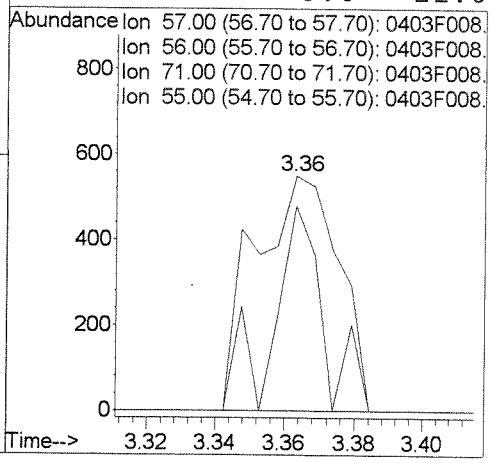


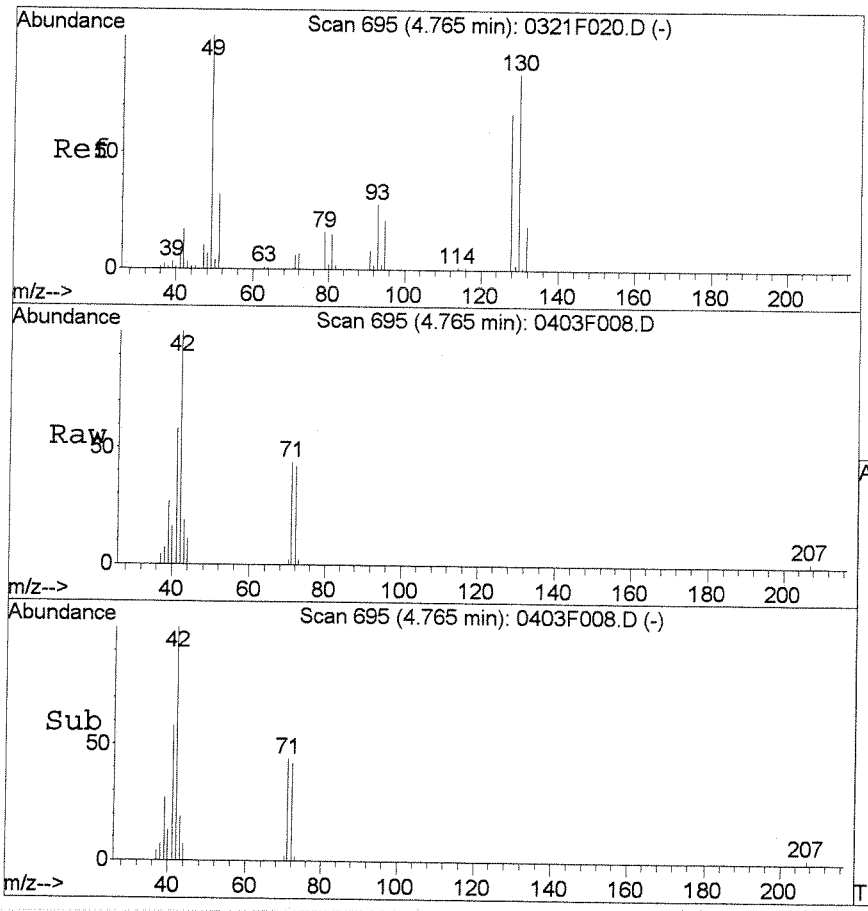


#23
Hexane
Concen: 0.06 PPB
RT: 3.36 min Scan# 427
Delta R.T. 0.00 min
Lab File: 0403F008.D
Acq: 3 Apr 2008 8:39 pm

Tgt Ion: 57 Resp: 916

Ion	Ratio	Lower	Upper
57	100		
56	87.3	19.8	79.8#
71	0.0	0.0	36.7
55	0.0	0.0	21.0

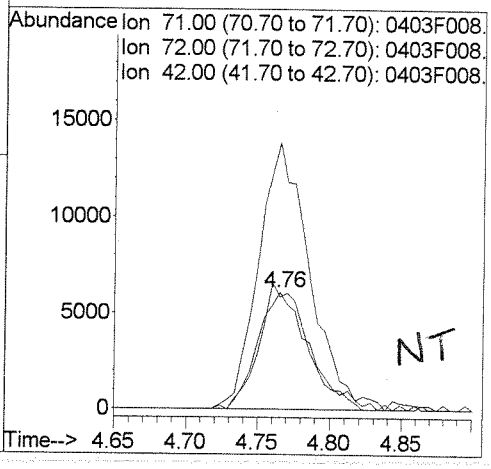


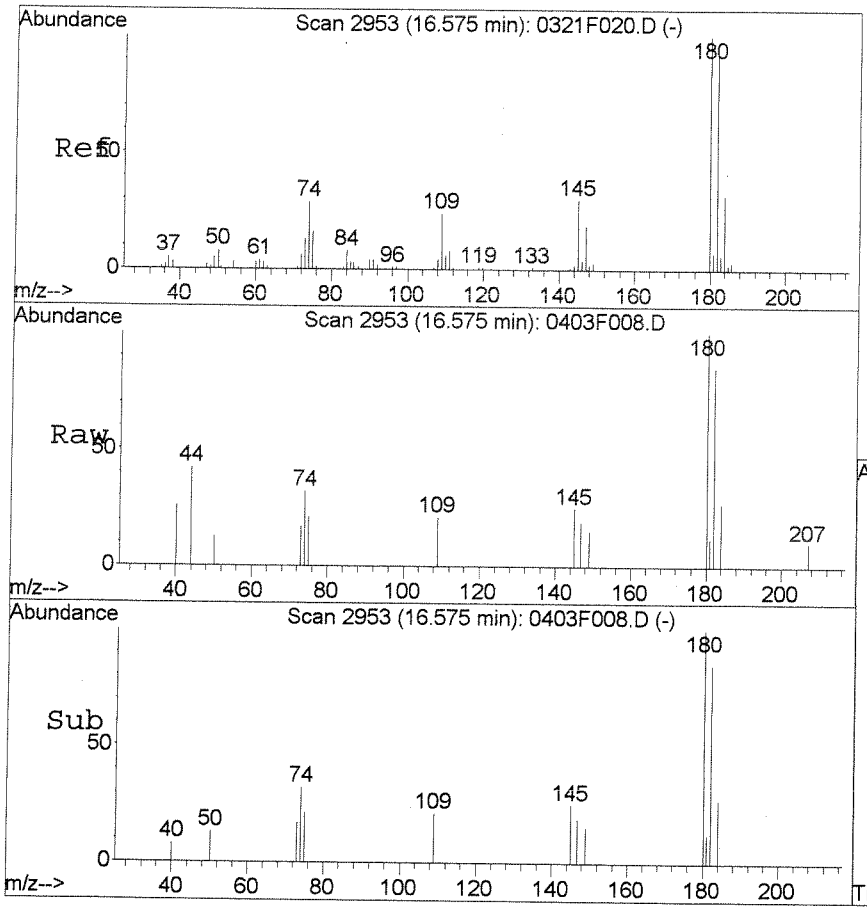


#36
Tetrahydrofuran
Concen: 30.27 PPB
RT: 4.76 min Scan# 695
Delta R.T. 0.00 min
Lab File: 0403F008.D
Acq: 3 Apr 2008 8:39 pm

Tgt Ion: 71 Resp: 15462

Ion	Ratio	Lower	Upper
71	100		
72	95.8	79.7	139.7
42	227.3	230.0	290.0#

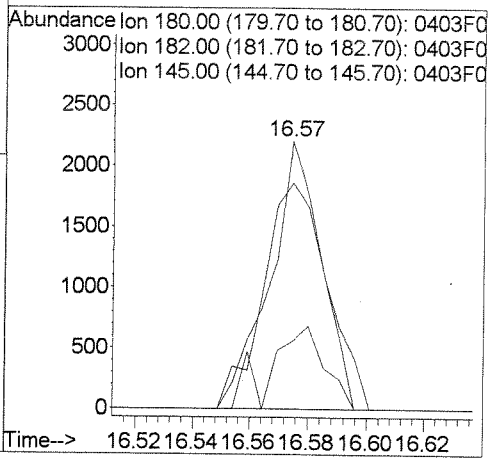


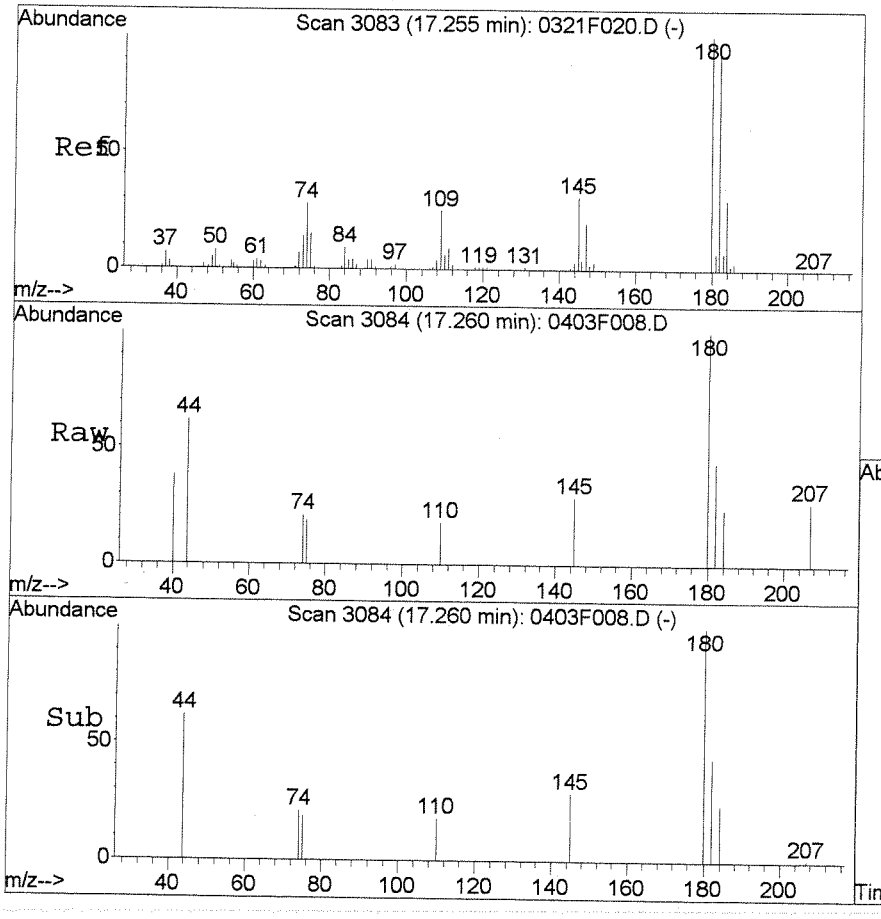


#99
1,3,5-Trichlorobenzene
Concen: 0.16 PPB
RT: 16.57 min Scan# 2953
Delta R.T. 0.00 min
Lab File: 0403F008.D
Acq: 3 Apr 2008 8:39 pm

Tgt Ion:180 Resp: 2826

Ion	Ratio	Lower	Upper
180	100		
182	84.5	65.8	125.8
145	25.3	0.2	60.2

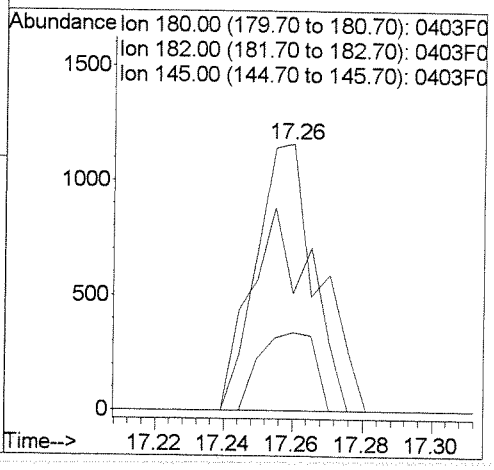


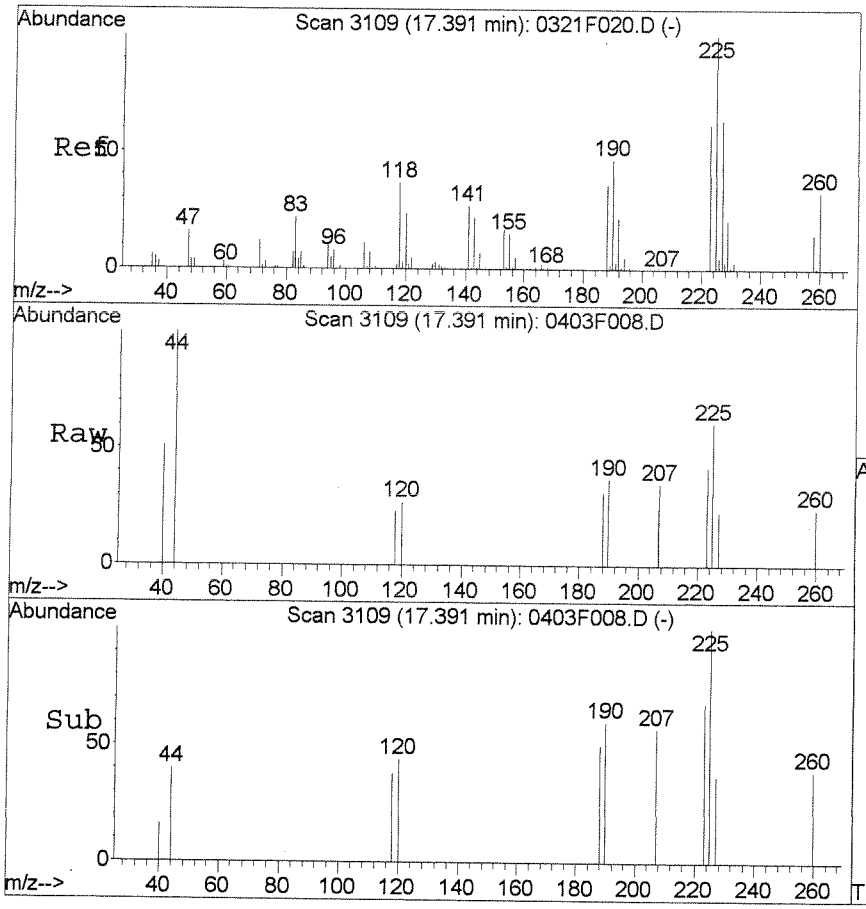


#100
1,2,4-Trichlorobenzene
Concen: 0.10 PPB
RT: 17.26 min Scan# 3084
Delta R.T. 0.01 min
Lab File: 0403F008.D
Acq: 3 Apr 2008 8:39 pm

Tgt Ion:180 Resp: 1437

Ion	Ratio	Lower	Upper
180	100		
182	43.9	66.9	126.9#
145	29.3	1.0	61.0

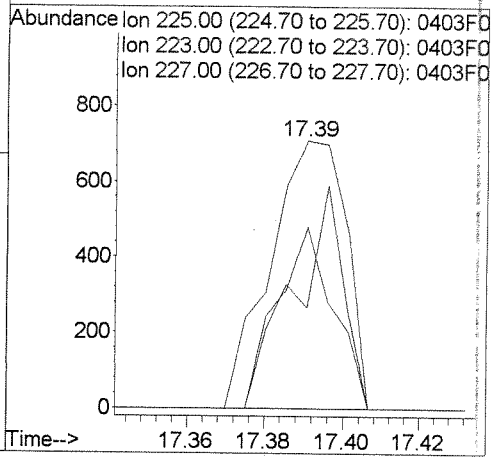


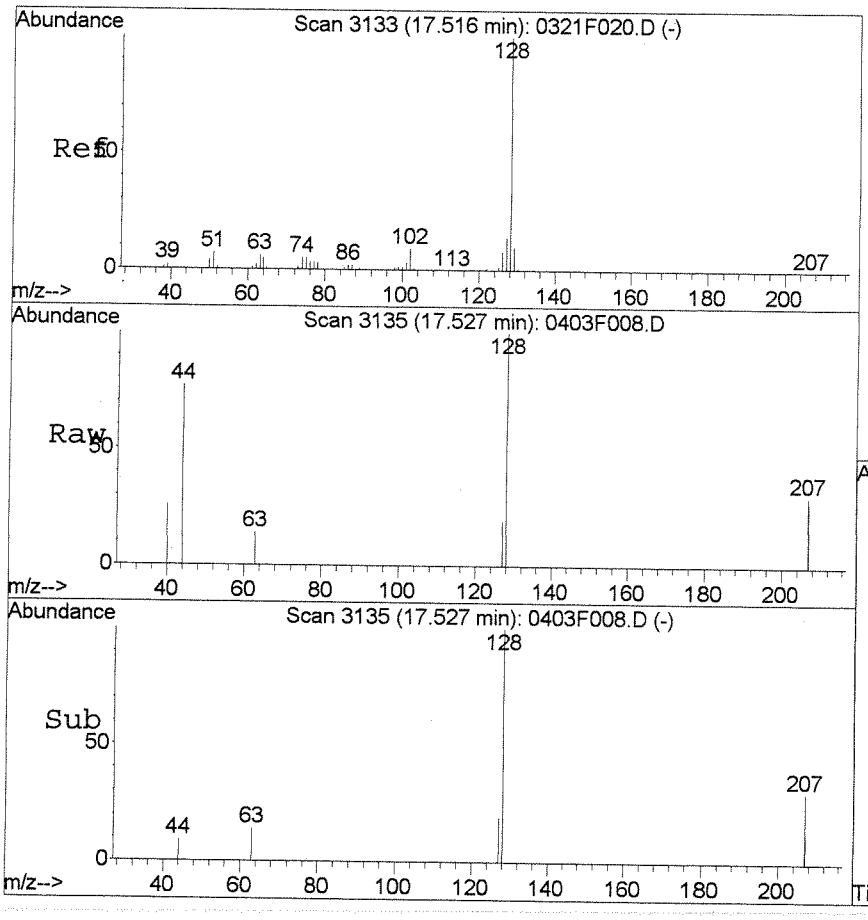


#101
Hexachlorobutadiene
Concen: 0.13 PPB
RT: 17.39 min Scan# 3109
Delta R.T. 0.00 min
Lab File: 0403F008.D
Acq: 3 Apr 2008 8:39 pm

Tgt Ion:225 Resp: 944

Ion	Ratio	Lower	Upper
225	100		
223	67.6	32.3	92.3
227	37.4	34.3	94.3

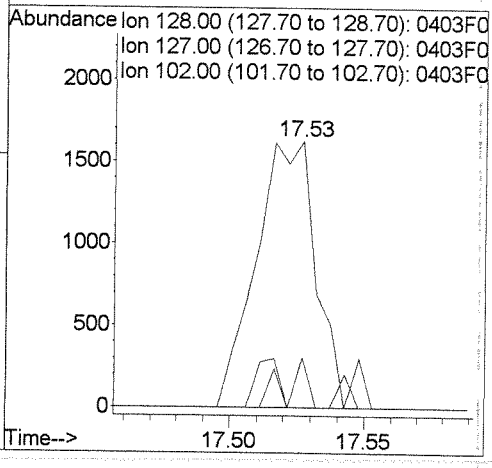


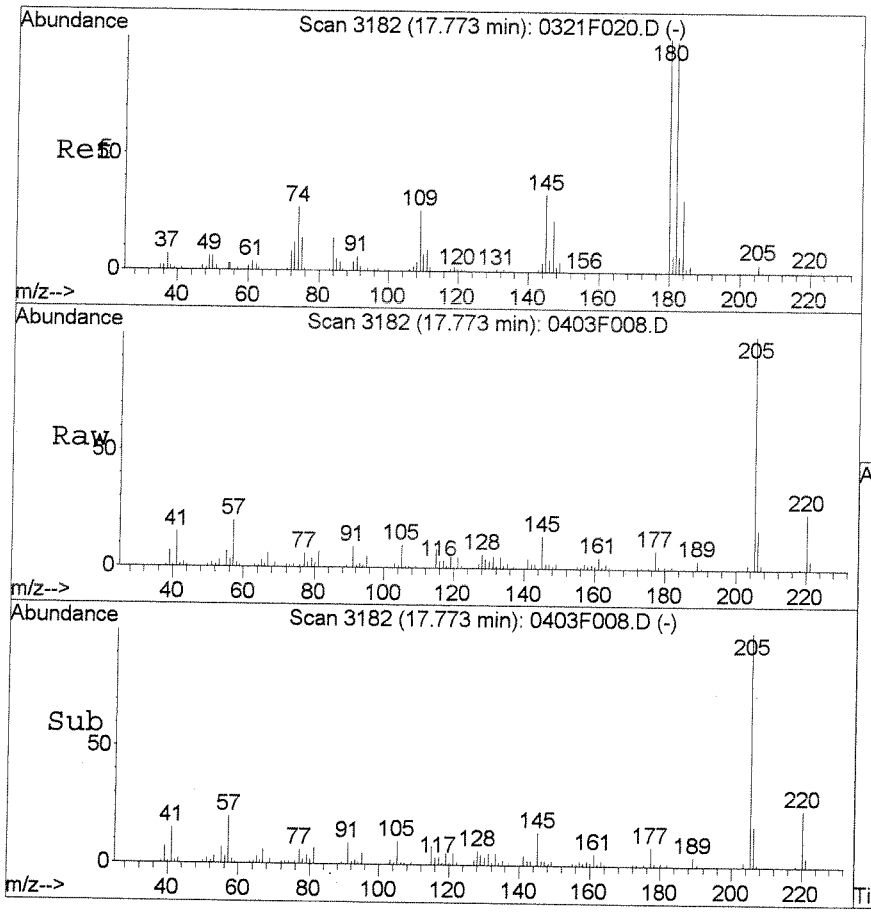


#102
Naphthalene
Concen: 0.13 PPB
RT: 17.53 min Scan# 3135
Delta R.T. 0.01 min
Lab File: 0403F008.D
Acq: 3 Apr 2008 8:39 pm

Tgt Ion:128 Resp: 2585

Ion	Ratio	Lower	Upper
128	100		
127	18.9	0.0	43.9
102	0.0	0.0	39.2

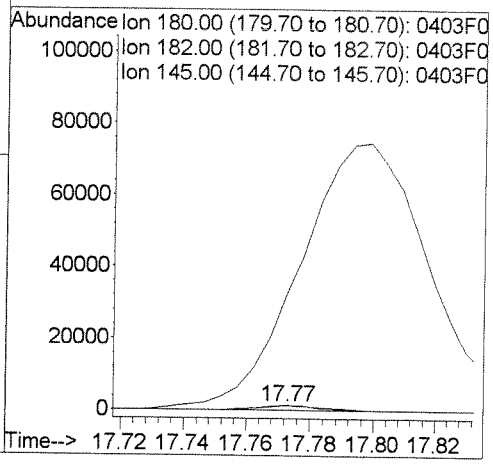




#103
1,2,3-Trichlorobenzene
Concen: 0.18 PPB
RT: 17.77 min Scan# 3182
Delta R.T. 0.00 min
Lab File: 0403F008.D
Acq: 3 Apr 2008 8:39 pm

Tgt Ion:180 Resp: 2008

Ion	Ratio	Lower	Upper
180	100		
182	127.0	68.9	128.9
145	2299.8	2.7	62.7#



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Batch QC	**Units:**	ug/L
Lab Code:	K0802870-003	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	ND	U	0.50	0.17	1	04/04/08	04/04/08	KWG0803135	
Chloromethane	ND	U	0.50	0.14	1	04/04/08	04/04/08	KWG0803135	
Vinyl Chloride	ND	U	0.50	0.042	1	04/04/08	04/04/08	KWG0803135	
Bromomethane	ND	U	0.50	0.22	1	04/04/08	04/04/08	KWG0803135	
Chloroethane	ND	U	0.50	0.23	1	04/04/08	04/04/08	KWG0803135	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/04/08	04/04/08	KWG0803135	
Acetone	ND	U	20	4.1	1	04/04/08	04/04/08	KWG0803135	
1,1-Dichloroethene	ND	U	0.50	0.13	1	04/04/08	04/04/08	KWG0803135	
Carbon Disulfide	ND	U	0.50	0.16	1	04/04/08	04/04/08	KWG0803135	
Methylene Chloride	ND	U	2.0	0.20	1	04/04/08	04/04/08	KWG0803135	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/04/08	04/04/08	KWG0803135	
1,1-Dichloroethane	ND	U	0.50	0.11	1	04/04/08	04/04/08	KWG0803135	
2-Butanone (MEK)	ND	U	20	2.3	1	04/04/08	04/04/08	KWG0803135	
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/04/08	04/04/08	KWG0803135	
cis-1,2-Dichloroethene	ND	U	0.50	0.12	1	04/04/08	04/04/08	KWG0803135	
Chloroform	ND	U	0.50	0.14	1	04/04/08	04/04/08	KWG0803135	
Bromochloromethane	ND	U	0.50	0.17	1	04/04/08	04/04/08	KWG0803135	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	0.12	1	04/04/08	04/04/08	KWG0803135	
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/04/08	04/04/08	KWG0803135	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/04/08	04/04/08	KWG0803135	
1,2-Dichloroethane (EDC)	ND	U	0.50	0.12	1	04/04/08	04/04/08	KWG0803135	
Benzene	ND	U	0.50	0.14	1	04/04/08	04/04/08	KWG0803135	
Trichloroethene (TCE)	ND	U	0.50	0.14	1	04/04/08	04/04/08	KWG0803135	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/04/08	04/04/08	KWG0803135	
Bromodichloromethane	ND	U	0.50	0.11	1	04/04/08	04/04/08	KWG0803135	
Dibromomethane	ND	U	0.50	0.12	1	04/04/08	04/04/08	KWG0803135	
2-Hexanone	ND	U	20	4.0	1	04/04/08	04/04/08	KWG0803135	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/04/08	04/04/08	KWG0803135	
Toluene	ND	U	0.50	0.11	1	04/04/08	04/04/08	KWG0803135	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/04/08	04/04/08	KWG0803135	
1,1,2-Trichloroethane	ND	U	0.50	0.14	1	04/04/08	04/04/08	KWG0803135	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/04/08	04/04/08	KWG0803135	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/04/08	04/04/08	KWG0803135	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Batch QC
Lab Code: K0802870-003

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	ND	U	0.50	0.13	1	04/04/08	04/04/08	KWG0803135	
Dibromochloromethane	ND	U	0.50	0.11	1	04/04/08	04/04/08	KWG0803135	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/04/08	04/04/08	KWG0803135	
Chlorobenzene	ND	U	0.50	0.14	1	04/04/08	04/04/08	KWG0803135	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/04/08	04/04/08	KWG0803135	
Ethylbenzene	ND	U	0.50	0.13	1	04/04/08	04/04/08	KWG0803135	
m,p-Xylenes	ND	U	0.50	0.22	1	04/04/08	04/04/08	KWG0803135	
o-Xylene	ND	U	0.50	0.11	1	04/04/08	04/04/08	KWG0803135	
Styrene	ND	U	0.50	0.095	1	04/04/08	04/04/08	KWG0803135	
Bromoform	ND	U	0.50	0.28	1	04/04/08	04/04/08	KWG0803135	
Isopropylbenzene	ND	U	2.0	0.11	1	04/04/08	04/04/08	KWG0803135	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/04/08	04/04/08	KWG0803135	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/04/08	04/04/08	KWG0803135	
Bromobenzene	ND	U	2.0	0.18	1	04/04/08	04/04/08	KWG0803135	
n-Propylbenzene	ND	U	2.0	0.098	1	04/04/08	04/04/08	KWG0803135	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/04/08	04/04/08	KWG0803135	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/04/08	04/04/08	KWG0803135	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/04/08	04/04/08	KWG0803135	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/04/08	04/04/08	KWG0803135	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/04/08	04/04/08	KWG0803135	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/04/08	04/04/08	KWG0803135	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/04/08	04/04/08	KWG0803135	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/04/08	04/04/08	KWG0803135	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/04/08	04/04/08	KWG0803135	
n-Butylbenzene	ND	U	2.0	0.23	1	04/04/08	04/04/08	KWG0803135	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/04/08	04/04/08	KWG0803135	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/04/08	04/04/08	KWG0803135	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/04/08	04/04/08	KWG0803135	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/04/08	04/04/08	KWG0803135	
Naphthalene	ND	U	2.0	0.29	1	04/04/08	04/04/08	KWG0803135	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/04/08	04/04/08	KWG0803135	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/04/08	04/04/08	KWG0803135	

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Batch QC	**Units:**	ug/L
Lab Code:	K0802870-003	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	98	75-120	04/04/08	Acceptable
Toluene-d8	110	80-128	04/04/08	Acceptable
4-Bromofluorobenzene	99	75-117	04/04/08	Acceptable

Comments:

Exception Report

Data File: J:\MS13\DATA\040308\0403F019.D
Lab ID: K0802870-003
RunType: SMPL
Matrix: WATER

Date Acquired: 04/04/2008 01:42
Date Quantitated: 04/04/2008 15:14
Batch ID: KWG0803131
Analysis Method: 8260B
ListJoinID: LJ4364

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: LB 4/4/08

Secondary Review: HK 04/07/08

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	WATER
Prod Code:	8260B VOC_UNP	**Collect Date:**	04/02/2008	**Receive Date:**	04/03/2008

Analysis Lot:	KWG0803131	**Prep Lot:**	KWG0803135	**Report Group:**	K0802870
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	699289	**Prep Date:**	04/04/2008		

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:	Volatile Organic Compounds	**Report List ID:**	LJ8580
Tune Ref:	J:\MS13\DATA\040308\0403F002.D	**Method ID:**	MJ119
MB Ref:	J:\MS13\DATA\040308\0403F008.D	**Quant based on Report List**	

Data File:	J:\MS13\DATA\040308\0403F019.D			**Instrument:**	MS13
Acqu Date:	04/04/2008 01:42	**Quant Date:**	04/04/2008 15:14	**Vial:**	19
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802870-003			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	6.14	0.00	96	424444	10.00	OK
2	Chlorobenzene-d5	12.05	0.00	82	186318	10.00	OK
3	1,4-Dichlorobenzene-d4	15.08	0.00	152	171639	10.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	Dibromofluoromethane	5.13	0.00	0.00	113	92062	9.82	98	75-120	OK	
1	Toluene-d8	9.33	-0.01	0.00	98	449317	11.02	110	80-128	OK	
2	4-Bromofluorobenzene	13.71	0.00	0.00	95	164914	9.93	99	75-117	OK	

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane				85	0		0.17	U	
1	Chloromethane				50	0		0.14	U	
1	Vinyl Chloride				62	0		0.042	U	
1	Bromomethane				96	0		0.22	U	
1	Chloroethane				64	0		0.23	U	
1	Trichlorofluoromethane				101	0		0.14	U	
1	1,1-Dichloroethene				96	0		0.13	U	
1	Acetone				43	0		4.1	U	
1	Carbon Disulfide				76	0		0.16	U	
1	Methylene Chloride				84	0		0.20	U	
1	trans-1,2-Dichloroethene				96	0		0.15	U	
1	1,1-Dichloroethane				63	0		0.11	U	
1	2,2-Dichloropropane				77	0		0.18	U	
1	cis-1,2-Dichloroethene				96	0		0.12	U	
1	2-Butanone (MEK)				72	0		2.3	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F019.D			**Instrument:**	MS13
Acqu Date:	04/04/2008 01:42	**Quant Date:**	04/04/2008 15:14	**Vial:**	19
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802870-003			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Bromochloromethane				128	0		0.17	U	
1	Chloroform				83	0		0.14	U	
1	1,1,1-Trichloroethane (TCA)				97	0		0.12	U	
1	Carbon Tetrachloride				117	0		0.14	U	
1	1,1-Dichloropropene				75	0		0.15	U	
1	Benzene				78	0		0.14	U	
1	1,2-Dichloroethane (EDC)				62	0		0.12	U	
1	Trichloroethene (TCE)				95	0		0.14	U	
1	1,2-Dichloropropane				63	0		0.14	U	
1	Dibromomethane				93	0		0.12	U	
1	Bromodichloromethane				83	0		0.11	U	
1	cis-1,3-Dichloropropene				75	0		0.11	U	
1	4-Methyl-2-pentanone (MIBK)				58	0d		2.7	U	
1	Toluene				92	0		0.11	U	
2	trans-1,3-Dichloropropene				75	0		0.090	U	
2	1,1,2-Trichloroethane				83	0		0.14	U	
2	Tetrachloroethene (PCE)				164	0		0.13	U	
2	2-Hexanone				57	0		4.0	U	
2	1,3-Dichloropropane				76	0		0.15	U	
2	Dibromochloromethane				129	0		0.11	U	
2	1,2-Dibromoethane (EDB)				107	0		0.099	U	
2	Chlorobenzene				112	0		0.14	U	
2	Ethylbenzene				106	0		0.13	U	
2	1,1,1,2-Tetrachloroethane				131	0		0.12	U	
2	m,p-Xylenes				106	0		0.22	U	
2	o-Xylene				106	0		0.11	U	
2	Styrene				103	0		0.095	U	
2	Bromoform				173	0		0.28	U	
2	Isopropylbenzene				105	0		0.11	U	
3	1,1,2,2-Tetrachloroethane				83	0		0.14	U	
3	Bromobenzene				156	0		0.18	U	
3	n-Propylbenzene				91	0		0.098	U	
3	1,2,3-Trichloropropane				110	0		0.24	U	
3	2-Chlorotoluene				91	0		0.12	U	
3	1,3,5-Trimethylbenzene				105	0		0.13	U	
3	4-Chlorotoluene				91	0		0.12	U	
3	tert-Butylbenzene				119	0		0.13	U	
3	1,2,4-Trimethylbenzene				105	0		0.15	U	
3	sec-Butylbenzene				105	0		0.13	U	
3	4-Isopropyltoluene				119	0		0.13	U	
3	1,3-Dichlorobenzene				146	0		0.11	U	
3	1,4-Dichlorobenzene				146	0		0.12	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F019.D			**Instrument:**	MS13
Acqu Date:	04/04/2008 01:42	**Quant Date:**	04/04/2008 15:14	**Vial:**	19
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802870-003			**Soln Conc. Units:**	PPB

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
3	n-Butylbenzene				91	0		0.23	U	
3	1,2-Dichlorobenzene				146	0		0.12	U	
3	1,2-Dibromo-3-chloropropane				155	0		1.0	U	
3	1,3,5-Trichlorobenzene				180	0		0.35	U	
3	1,2,4-Trichlorobenzene				180	0		0.22	U	
3	Hexachlorobutadiene				225	0		0.28	U	
3	Naphthalene				128	0		0.29	U	
3	1,2,3-Trichlorobenzene				180	0		0.33	U	

Prep Amount: 10 ml **Dilution:** 1.0
Prep Final Vol: 10 ml **Unit Factor:** 1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

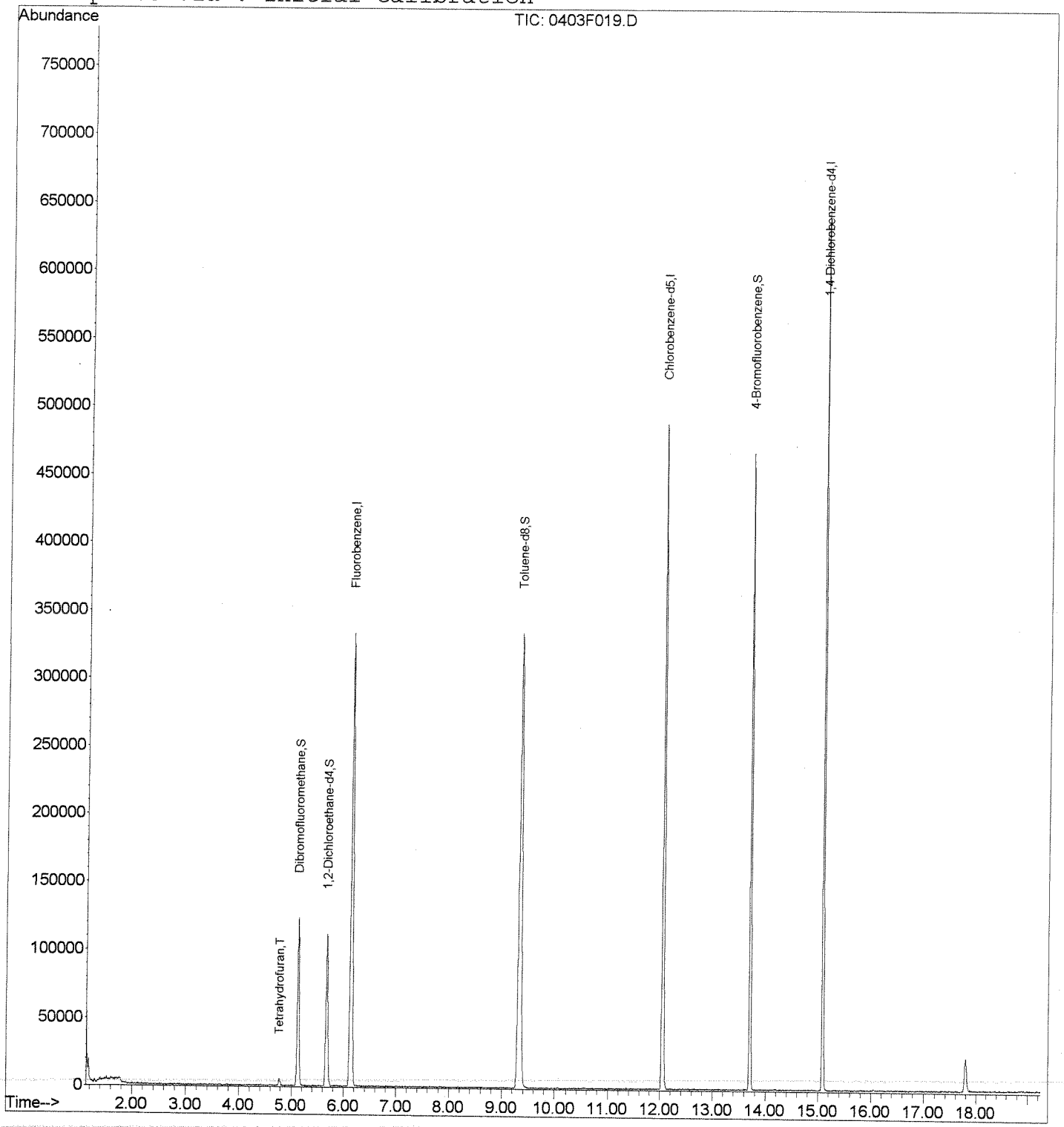
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

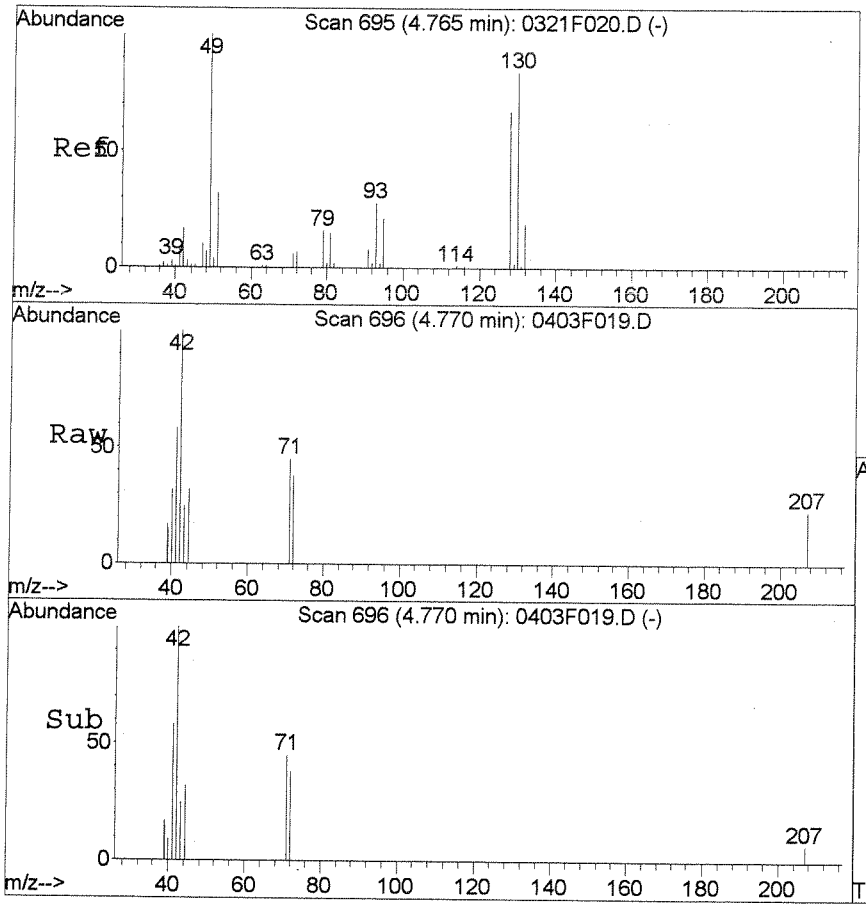
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\MS13\DATA\040308\0403F019.D
Acq On : 4 Apr 2008 1:42 am
Sample : K0802870-003
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 4 15:14 2008

Vial: 19
Operator:
Inst : MS13
Multiplr: 1.00
Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration

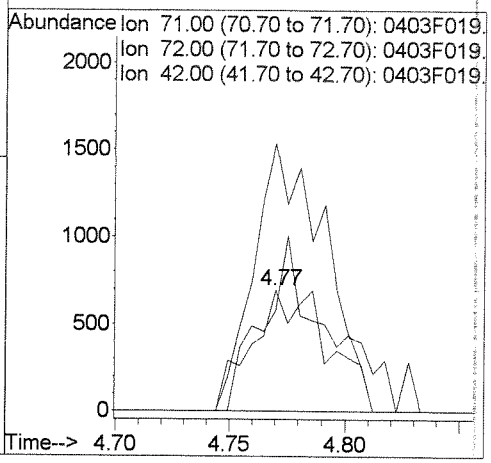




#36
Tetrahydrofuran
Concen: 3.29 PPB
RT: 4.77 min Scan# 696
Delta R.T. 0.01 min
Lab File: 0403F019.D
Acq: 4 Apr 2008 1:42 am

Tgt Ion: 71 Resp: 1593

Ion	Ratio	Lower	Upper
71	100		
72	83.3	79.7	139.7
42	220.9	230.0	290.0#



Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Batch QCMS
Lab Code: KWG0803135-1

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	**11.9**		0.50	0.17	1	04/03/08	04/03/08	KWG0803135	
Chloromethane	**8.87**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Vinyl Chloride	**9.12**		0.50	0.042	1	04/03/08	04/03/08	KWG0803135	
Bromomethane	**9.04**		0.50	0.22	1	04/03/08	04/03/08	KWG0803135	
Chloroethane	**8.86**		0.50	0.23	1	04/03/08	04/03/08	KWG0803135	
Trichlorofluoromethane	**9.66**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Acetone	**41.9**		20	4.1	1	04/03/08	04/03/08	KWG0803135	
1,1-Dichloroethene	**10.2**		0.50	0.13	1	04/03/08	04/03/08	KWG0803135	
Carbon Disulfide	**18.2**		0.50	0.16	1	04/03/08	04/03/08	KWG0803135	
Methylene Chloride	**9.64**		2.0	0.20	1	04/03/08	04/03/08	KWG0803135	
trans-1,2-Dichloroethene	**9.69**		0.50	0.15	1	04/03/08	04/03/08	KWG0803135	
1,1-Dichloroethane	**9.44**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
2-Butanone (MEK)	**44.9**		20	2.3	1	04/03/08	04/03/08	KWG0803135	
2,2-Dichloropropane	**10.0**		0.50	0.18	1	04/03/08	04/03/08	KWG0803135	
cis-1,2-Dichloroethene	**9.76**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
Chloroform	**9.95**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Bromochloromethane	**9.99**		0.50	0.17	1	04/03/08	04/03/08	KWG0803135	
1,1,1-Trichloroethane (TCA)	**9.91**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
1,1-Dichloropropene	**9.44**		0.50	0.15	1	04/03/08	04/03/08	KWG0803135	
Carbon Tetrachloride	**10.6**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,2-Dichloroethane (EDC)	**10.1**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
Benzene	**9.36**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Trichloroethene (TCE)	**9.64**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,2-Dichloropropane	**9.45**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Bromodichloromethane	**10.4**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
Dibromomethane	**10.1**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
2-Hexanone	**45.8**		20	4.0	1	04/03/08	04/03/08	KWG0803135	
cis-1,3-Dichloropropene	**10.2**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
Toluene	**9.61**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
trans-1,3-Dichloropropene	**9.05**		0.50	0.090	1	04/03/08	04/03/08	KWG0803135	
1,1,2-Trichloroethane	**9.45**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
4-Methyl-2-pentanone (MIBK)	**43.8**		20	2.7	1	04/03/08	04/03/08	KWG0803135	
1,3-Dichloropropane	**9.89**		0.50	0.15	1	04/03/08	04/03/08	KWG0803135	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Batch QCMS
Lab Code: KWG0803135-1

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	**9.81**		0.50	0.13	1	04/03/08	04/03/08	KWG0803135	
Dibromochloromethane	**10.6**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
1,2-Dibromoethane (EDB)	**9.88**		2.0	0.099	1	04/03/08	04/03/08	KWG0803135	
Chlorobenzene	**9.69**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,1,1,2-Tetrachloroethane	**9.86**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
Ethylbenzene	**10.0**		0.50	0.13	1	04/03/08	04/03/08	KWG0803135	
m,p-Xylenes	**20.6**		0.50	0.22	1	04/03/08	04/03/08	KWG0803135	
o-Xylene	**10.1**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
Styrene	**10.2**		0.50	0.095	1	04/03/08	04/03/08	KWG0803135	
Bromoform	**10.1**		0.50	0.28	1	04/03/08	04/03/08	KWG0803135	
Isopropylbenzene	**9.49**		2.0	0.11	1	04/03/08	04/03/08	KWG0803135	
1,1,2,2-Tetrachloroethane	**10.3**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,2,3-Trichloropropane	**9.87**		0.50	0.24	1	04/03/08	04/03/08	KWG0803135	
Bromobenzene	**10.2**		2.0	0.18	1	04/03/08	04/03/08	KWG0803135	
n-Propylbenzene	**10.3**		2.0	0.098	1	04/03/08	04/03/08	KWG0803135	
2-Chlorotoluene	**10.3**		2.0	0.12	1	04/03/08	04/03/08	KWG0803135	
4-Chlorotoluene	**10.3**		2.0	0.12	1	04/03/08	04/03/08	KWG0803135	
1,3,5-Trimethylbenzene	**10.2**		2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
tert-Butylbenzene	**10.1**		2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
1,2,4-Trimethylbenzene	**10.7**		2.0	0.15	1	04/03/08	04/03/08	KWG0803135	
sec-Butylbenzene	**10.8**		2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
1,3-Dichlorobenzene	**10.1**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
4-Isopropyltoluene	**10.1**		2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
1,4-Dichlorobenzene	**9.92**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
n-Butylbenzene	**11.1**		2.0	0.23	1	04/03/08	04/03/08	KWG0803135	
1,2-Dichlorobenzene	**9.89**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
1,2-Dibromo-3-chloropropane	**10.1**		2.0	1.0	1	04/03/08	04/03/08	KWG0803135	
1,2,4-Trichlorobenzene	**9.79**		2.0	0.22	1	04/03/08	04/03/08	KWG0803135	
1,2,3-Trichlorobenzene	**10.0**		2.0	0.33	1	04/03/08	04/03/08	KWG0803135	
Naphthalene	**10.5**		2.0	0.29	1	04/03/08	04/03/08	KWG0803135	
Hexachlorobutadiene	**10.2**		2.0	0.28	1	04/03/08	04/03/08	KWG0803135	
1,3,5-Trichlorobenzene	**39.5**		5.0	0.35	1	04/03/08	04/03/08	KWG0803135	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Batch QCMS
Lab Code: KWG0803135-1

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	100	75-120	04/03/08	Acceptable
Toluene-d8	114	80-128	04/03/08	Acceptable
4-Bromofluorobenzene	104	75-117	04/03/08	Acceptable

Comments:

Exception Report

Data File: J:\MS13\DATA\040308\0403F005.D
Lab ID: KWG0803135-1 -- K0802870-003MS
RunType: MS
Matrix: WATER

Date Acquired: 04/03/2008 19:16
Date Quantitated: 04/03/2008 23:14
Batch ID: KWG0803131
Analysis Method: 8260B
MethodJoinID: MJ119

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA		x
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA		x
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA		x
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	1,4-Dioxane	0.0011	0.01	NA	NT
	Acetonitrile	0.0079	0.01	NA	
	tert-Butyl Alcohol	0.0075	0.01	NA	
	Isobutyl Alcohol	0.0031	0.01	NA	
Second Source ICAL Verification	tert-Butyl Formate	40.5	NA	30	
Continuing Calibration Recovery	Tetrahydrofuran	299.5	NA	30	
Continuing Calibration Minimum RF	1,4-Dioxane	0.0011	0.01	NA	
	Acetonitrile	0.0075	0.01	NA	
	tert-Butyl Alcohol	0.0066	0.01	NA	
	Isobutyl Alcohol	0.0027	0.01	NA	
Std MRL Unsupported by ICAL	2-Nitropropane	6.3	5.0	NA	

Primary Review: LB 4/4/08

Secondary Review: HL 04/07/08

Printed: 04/04/2008 16:47:31
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8260B VOC_UNP	**Collect Date:**		**Receive Date:**	04/04/2008

Analysis Lot:	KWG0803131	**Prep Lot:**	KWG0803135	**Report Group:**	
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	699291	**Prep Date:**	04/03/2008		

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:			
Tune Ref:	J:\MS13\DATA\040308\0403F002.D	**Method ID:**	MJ119
MB Ref:	J:\MS13\DATA\040308\0403F008.D	**Quant based on Method**	

Data File:	J:\MS13\DATA\040308\0403F005.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 19:16	**Quant Date:**	04/03/2008 23:14	**Vial:**	5
Run Type:	MS			**Dilution:**	1.0
Lab ID:	KWG0803135-1 -- K0802870-003MS			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	6.14	0.00	96	478071	10.00	OK
2	Chlorobenzene-d5	12.05	0.00	82	214382	10.00	OK
3	1,4-Dichlorobenzene-d4	15.08	0.00	152	206729	10.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	Dibromofluoromethane	5.13	0.00	0.00	113	106016	10.04	100	75-120	OK	
1	1,2-Dichloroethane-d4	5.67	-0.01	0.00	65	122601	9.40	94	62-121	OK	
1	Toluene-d8	9.33	-0.01	0.00	98	520822	11.35	114	80-128	OK	
2	4-Bromofluorobenzene	13.71	0.00	0.00	95	198445	10.39	104	75-117	OK	

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane	1.20		0.00	85	139833	11.89	11.9		
1	Chloromethane	1.34		0.00	50	127954	8.87	8.87		
1	Vinyl Chloride	1.42		0.00	62	129947	9.12	9.12		
1	Bromomethane	1.67	-0.01	0.00	96	74679	9.04	9.04		
1	Chloroethane	1.76		0.00	64	80536	8.86	8.86		
1	Dichlorofluoromethane (CFC 21	1.93	-0.01	0.00	67	273242	11.89	11.9		
1	Trichlorofluoromethane	1.93	-0.01	0.00	101	178572	9.66	9.66		
1	Ethyl Ether	2.19		0.00	59	69865	9.24	9.24		
1	Acrolein	2.37		0.00	56	108399	107.39	107		
1	Trichlorotrifluoroethane	2.36		0.00	151	80235	9.01	9.01		
1	1,1-Dichloroethene	2.40		0.00	96	96338	10.23	10.2		
1	Acetone	2.52		0.00	43	69381	41.87	41.9		
1	Iodomethane	2.56		0.00	142	332981m	29.05	29.1		
1	Carbon Disulfide	2.58		0.00	76	621544	18.22	18.2		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F005.D		**Instrument:** MS13
Acqu Date:	04/03/2008 19:16	**Quant Date:** 04/03/2008 23:14	**Vial:** 5
Run Type:	MS		**Dilution:** 1.0
Lab ID:	KWG0803135-1 -- K0802870-003MS		**Soln Conc. Units:** PPB

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	3-Chloro-1-propene	2.77		0.00	76	159287	26.51	26.5		
1	Acetonitrile	2.86		0.00	40	113746	301.18	301		
1	Methylene Chloride	2.92	-0.01	0.00	84	128737	9.64	9.64		
1	tert-Butyl Alcohol	3.04		0.00	59	36821	102.87	103		
1	Acrylonitrile	3.27		0.00	53	87283	40.61	40.6		
1	Methyl tert-Butyl Ether	3.13		0.00	73	237233	9.80	9.80		
1	trans-1,2-Dichloroethene	3.15		0.00	96	110980	9.69	9.69		
1	n-Hexane	3.36		0.00	57	418508	25.52	25.5		
1	Diisopropyl Ether	3.67	-0.01	0.00	45	689436	20.45	20.5		
1	1,1-Dichloroethane	3.68		0.00	63	200562	9.44	9.44		
1	Vinyl Acetate	3.74		0.00	86	45005	27.74	27.7		
1	Chloroprene	3.74		0.00	53	487434	27.86	27.9		
1	tert-Butyl Ethyl Ether	4.12	-0.01	0.00	59	607679	20.24	20.2		
1	2,2-Dichloropropane	4.37	-0.01	0.00	77	158881	10.01	10.0		
1	cis-1,2-Dichloroethene	4.43		0.00	96	124409	9.76	9.76		
1	2-Butanone (MEK)	4.50		0.00	72	28047	44.94	44.9		
1	Propionitrile	4.69	-0.01	0.00	54	23681	30.91	30.9		
1	Ethyl Acetate	4.53		0.00	61	17118	25.35	25.4		
1	Methacrylonitrile	4.85		0.00	67	80173	30.81	30.8		
1	Bromochloromethane	4.76		0.00	128	53687	9.99	9.99		
1	Tetrahydrofuran	4.76	-0.01	0.00	71	14645	26.88	26.9		
1	Chloroform	4.88	-0.01	0.00	83	204224	9.95	9.95		
1	tert-Butyl Formate	4.91		0.00	59	112050	25.47	25.5		
1	1,1,1-Trichloroethane (TCA)	5.05		0.00	97	164994	9.91	9.91		
1	Carbon Tetrachloride	5.23		0.00	117	122068	10.56	10.6		
1	1,1-Dichloropropene	5.30		0.00	75	153139	9.44	9.44		
1	Isobutyl Alcohol	5.69		0.00	43	41476	281.85	282		
1	Benzene	5.61	-0.01	0.00	78	468364	9.36	9.36		
1	1,2-Dichloroethane (EDC)	5.80		0.00	62	151596	10.05	10.1		
1	tert-Amyl Methyl Ether	5.80		0.00	55	146444	20.99	21.0		
1	Trichloroethene (TCE)	6.75		0.00	95	113876	9.64	9.64		
1	1,2-Dichloropropane	7.27		0.00	63	106418	9.45	9.45		
1	Dibromomethane	7.49	-0.01	0.00	93	53935	10.08	10.1		
1	Methyl Methacrylate	7.57		0.00	69	135910	31.09	31.1		
1	1,4-Dioxane	7.55	0.01	0.00	88	17301**m**	323.99	324		
1	Bromodichloromethane	7.84	-0.01	0.00	83	129643	10.36	10.4		
1	2-Nitropropane	8.55		0.00	43	20742	29.53	29.5		
1	2-Chloroethyl Vinyl Ether	8.62		0.00	63	39915	9.69	9.69		
1	cis-1,3-Dichloropropene	8.85		0.00	75	155419	10.19	10.2		
1	4-Methyl-2-pentanone (MIBK)	9.32		0.00	58	95036	43.78	43.8		
1	Toluene	9.48	-0.01	0.00	92	326529	9.61	9.61		
2	n-Octane	9.73		0.00	85	187823	24.14	24.1		

U: Undetected at or above MDL
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m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F005.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 19:16	**Quant Date:**	04/03/2008 23:14	**Vial:**	5
Run Type:	MS			**Dilution:**	1.0
Lab ID:	KWG0803135-1 -- K0802870-003MS			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
2	trans-1,3-Dichloropropene	10.26		0.00	75	116489	9.05	9.05		
2	Ethyl Methacrylate	10.42		0.00	69	287135	30.41	30.4		
2	1,1,2-Trichloroethane	10.58		0.00	83	65380	9.45	9.45		
2	Tetrachloroethene (PCE)	10.54	-0.01	0.00	164	101438	9.81	9.81		
2	2-Hexanone	11.07	-0.01	0.00	57	30746	45.80	45.8		
2	1,3-Dichloropropane	10.87		0.00	76	147871	9.89	9.89		
2	Dibromochloromethane	11.18		0.00	129	72153	10.55	10.6		
2	1,2-Dibromoethane (EDB)	11.33		0.00	107	73563	9.88	9.88		
2	1-Chlorohexane	12.12		0.00	91	155381	9.90	9.90		
2	Chlorobenzene	12.09		0.00	112	376765	9.69	9.69		
2	Ethylbenzene	12.25		0.00	106	197021	10.01	10.0		
2	1,1,1,2-Tetrachloroethane	12.26		0.00	131	93445	9.86	9.86		
2	m,p-Xylenes	12.44		0.00	106	503636	20.59	20.6		
2	o-Xylene	12.98	-0.01	0.00	106	241562	10.09	10.1		
2	Styrene	13.03		0.00	103	184658	10.17	10.2		
2	Bromoform	13.27		0.00	173	34127	10.05	10.1		
2	Isopropylbenzene	13.47		0.00	105	561502	9.49	9.49		
2	cis-1,4-Dichloro-2-butene	13.70		0.00	89	21835	27.01	27.0		
3	1,1,2,2-Tetrachloroethane	13.99		0.00	83	77509	10.25	10.3		
3	trans-1,4-Dichloro-2-butene	14.07		0.00	53	63672	30.03	30.0		
3	Bromobenzene	13.85	-0.01	0.00	156	154525	10.17	10.2		
3	n-Propylbenzene	13.99	-0.01	0.00	91	738398	10.31	10.3		
3	1,2,3-Trichloropropane	14.02		0.00	110	27615	9.87	9.87		
3	2-Chlorotoluene	14.10		0.00	91	485427	10.25	10.3		
3	1,3,5-Trimethylbenzene	14.23		0.00	105	510236	10.24	10.2		
3	4-Chlorotoluene	14.25		0.00	91	546203	10.25	10.3		
3	tert-Butylbenzene	14.59		0.00	119	443975	10.14	10.1		
3	1,2,4-Trimethylbenzene	14.67		0.00	105	515795	10.67	10.7		
3	sec-Butylbenzene	14.85		0.00	105	630569	10.76	10.8		
3	4-Isopropyltoluene	15.03	-0.01	0.00	119	509194	10.06	10.1		
3	1,3-Dichlorobenzene	14.99		0.00	146	307646	10.07	10.1		
3	1,4-Dichlorobenzene	15.11		0.00	146	316381	9.92	9.92		
3	n-Butylbenzene	15.50		0.00	91	428660	11.07	11.1		
3	1,2-Dichlorobenzene	15.52	-0.01	0.00	146	274966	9.89	9.89		
3	1,2-Dibromo-3-chloropropane	16.43	0.01	0.00	155	7917	10.10	10.1		
3	1,3,5-Trichlorobenzene	16.57		0.00	180	777878	39.46	39.5		
3	1,2,4-Trichlorobenzene	17.25		0.00	180	157905	9.79	9.79		
3	Hexachlorobutadiene	17.39		0.00	225	83190	10.19	10.2		
3	Naphthalene	17.52		0.00	128	230638	10.49	10.5		
3	1,2,3-Trichlorobenzene	17.77		0.00	180	125673	10.01	10.0		
	1,1,2-Trifluoroethane				0	0		1.0	UJ	NR
	Bis(chloromethyl) Ether				0	0		1.0	UJ	NR

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J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F005.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 19:16	**Quant Date:**	04/03/2008 23:14	**Vial:**	5
Run Type:	MS			**Dilution:**	1.0
Lab ID:	KWG0803135-1 -- K0802870-003MS			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/L

Parameter Name	RT	RT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1,1-Dichloropropane			0	0		1.0	UJ	NR
Cyclohexanone			0	0		4.0	UJ	NR

Prep Amount: 10 ml **Dilution:** 1.0
Prep Final Vol: 10 ml **Unit Factor:** 1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
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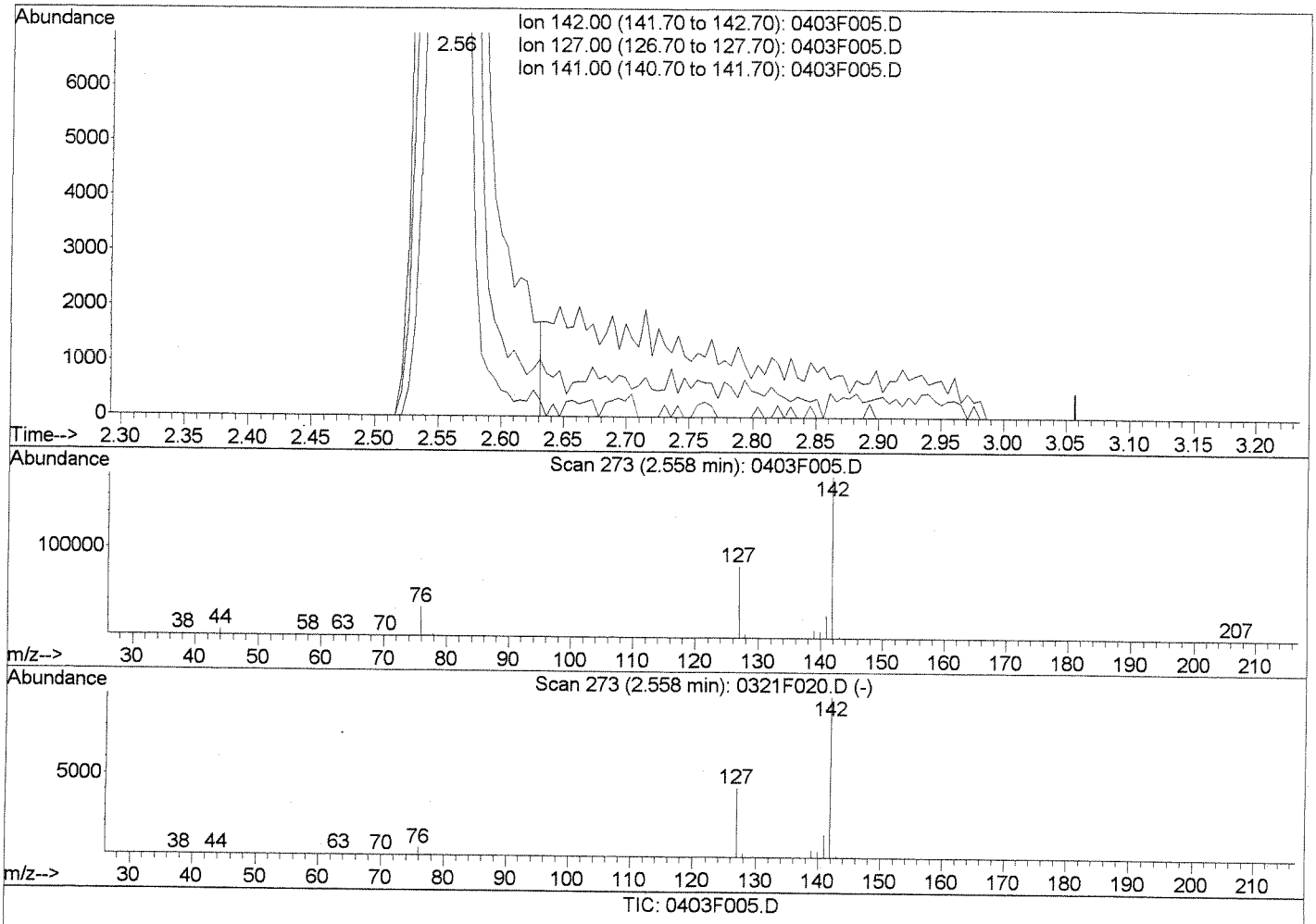
c: check for co-elution

Quantitation Report (Qedit)

Data File : J:\MS13\DATA\040308\0403F005.D Vial: 5
Acq On : 3 Apr 2008 7:16 pm Operator:
Sample : K0802870-003MS Inst : MS13
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 3 23:12 2008 Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration



TIC: 0403F005.D

(14) Iodomethane (T)

2.56min 27.16PPB

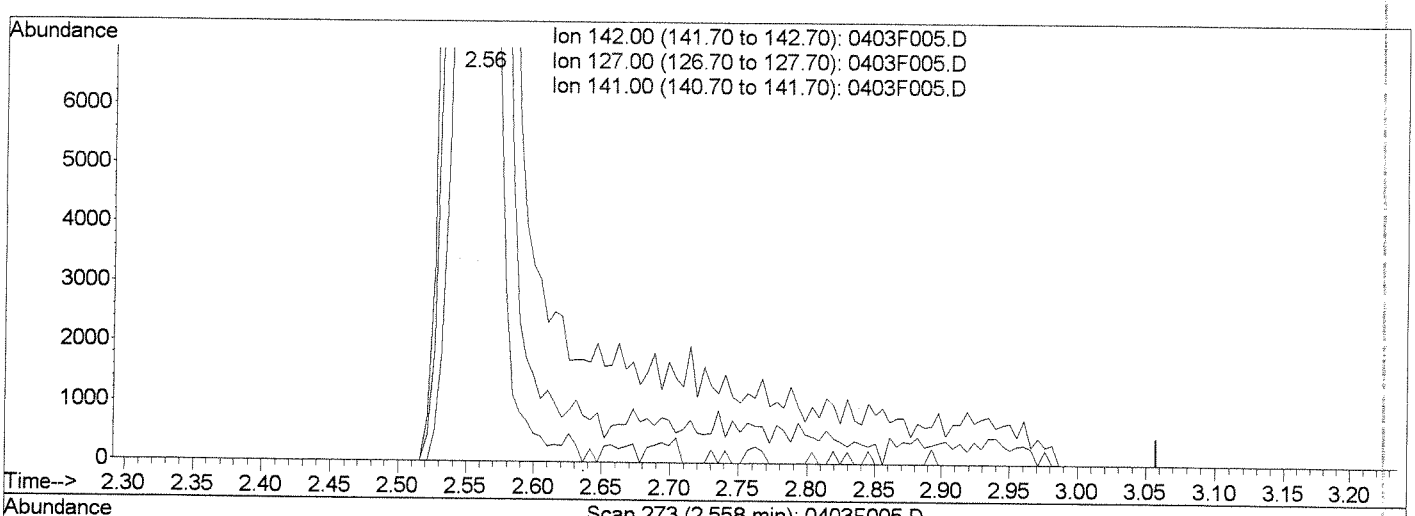
response 311326

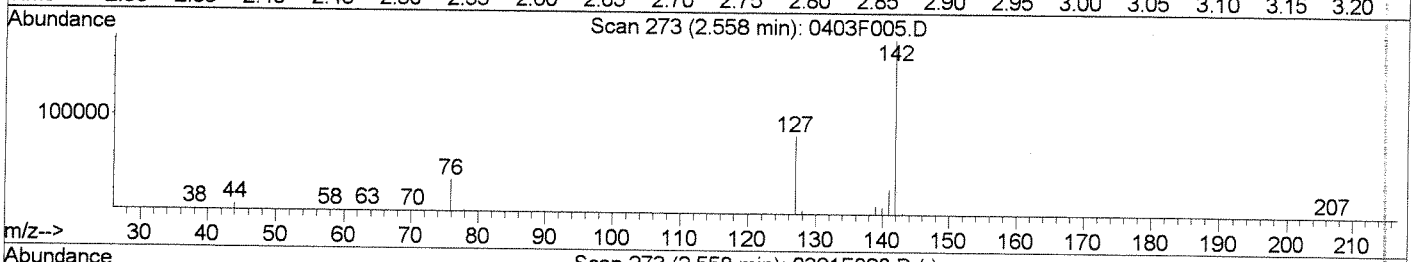
Ion	Exp%	Act%
142.00	100	100
127.00	43.00	44.19
141.00	14.30	14.17
0.00	0.00	0.00

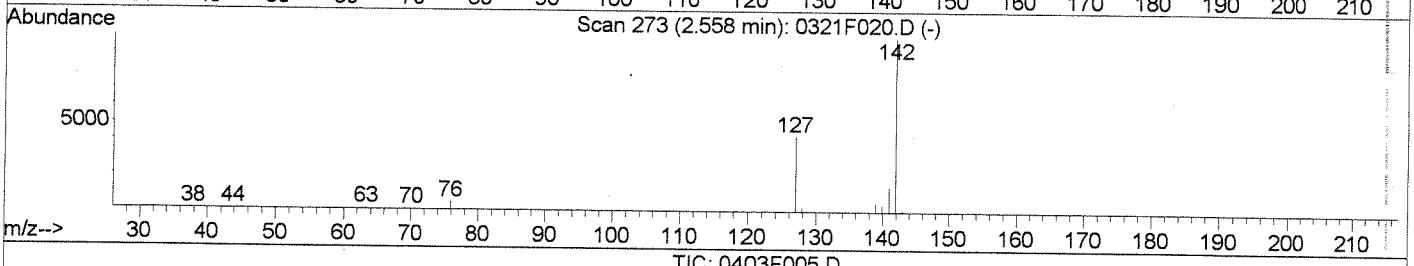
Data File : J:\MS13\DATA\040308\0403F005.D
Acq On : 3 Apr 2008 7:16 pm
Sample : K0802870-003MS
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 23:14 2008

Vial: 5
Operator:
Inst : MS13
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration







TIC: 0403F005.D

(14) Iodomethane (T)

2.56min 29.05PPB m

response 332981

Ion	Exp%	Act%
142.00	100	100
127.00	43.00	44.19
141.00	14.30	14.17
0.00	0.00	0.00

peak tailing
LB 4/14/08

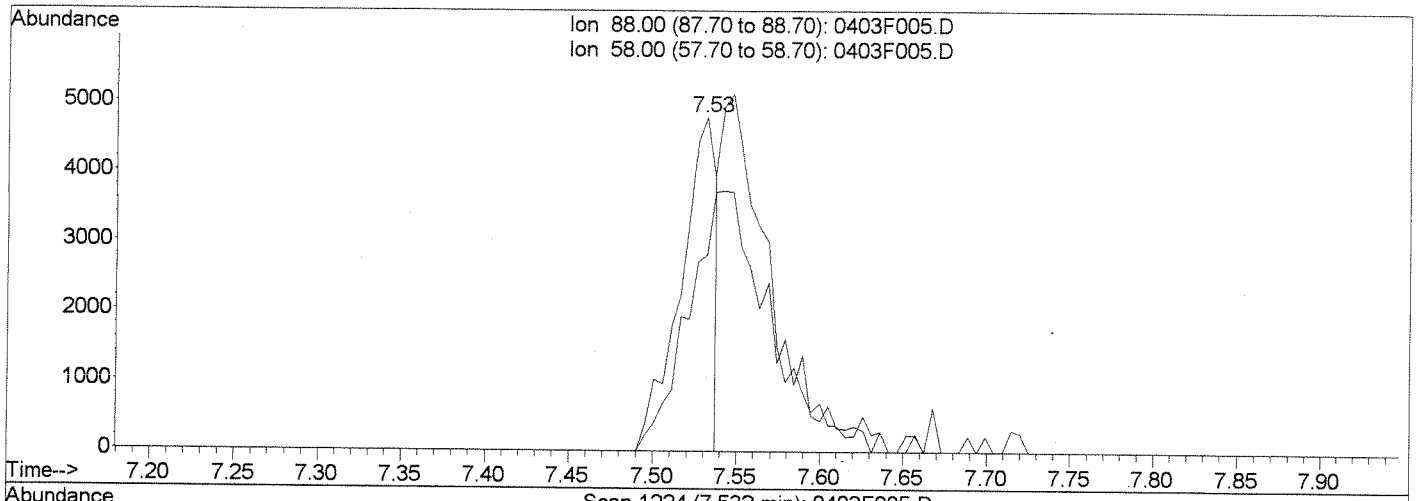
HC040708

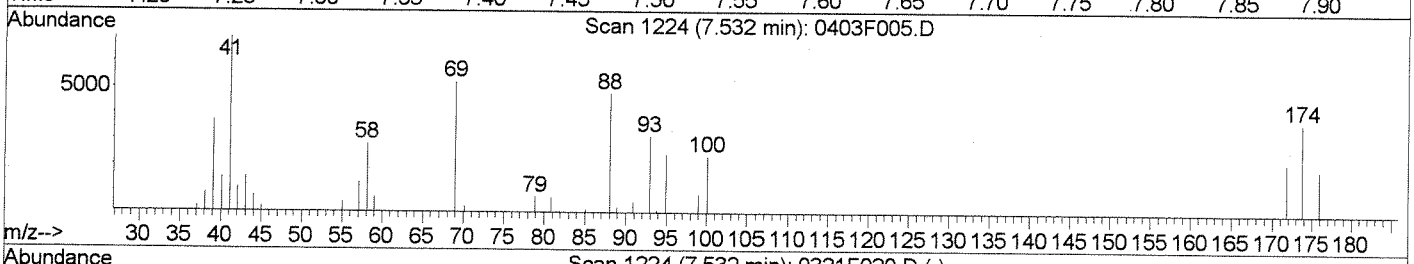
0403F005.D 032108_8260W.M Thu Apr 03 23:14:19 2008

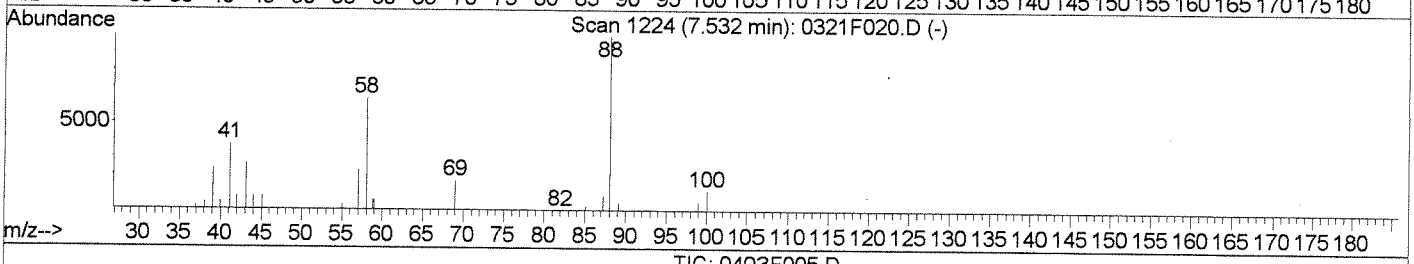
Data File : J:\MS13\DATA\040308\0403F005.D
Acq On : 3 Apr 2008 7:16 pm
Sample : K0802870-003MS
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 23:14 2008

Vial: 5
Operator:
Inst : MS13
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Single Level Calibration







TIC: 0403F005.D

(52) 1,4-Dioxane (T)

7.53min 134.61PPB

response 7188

Ion	Exp%	Act%
88.00	100	100
58.00	63.90	58.63
0.00	0.00	0.00
0.00	0.00	0.00

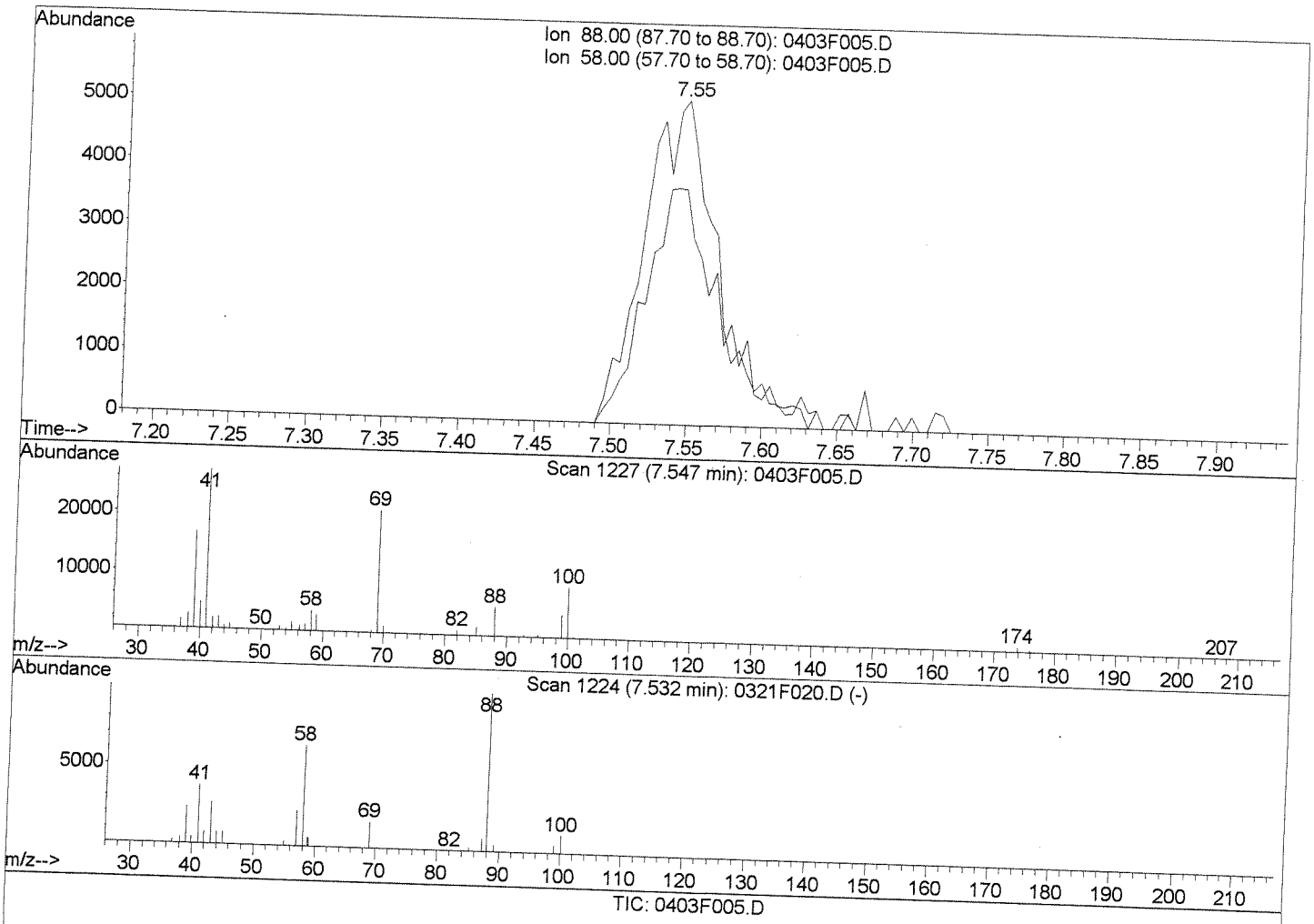
Quantitation Report (Qedit)

Data File : J:\MS13\DATA\040308\0403F005.D
Acq On : 3 Apr 2008 7:16 pm
Sample : K0802870-003MS
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 23:14 2008

Vial: 5
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Single Level Calibration



(52) 1,4-Dioxane (T)

7.55min 323.99PPB m

response 17301

Ion	Exp%	Act%
88.00	100	100
58.00	63.90	72.51
0.00	0.00	0.00
0.00	0.00	0.00

NT

split peak
KB 4/4/08

HC040708

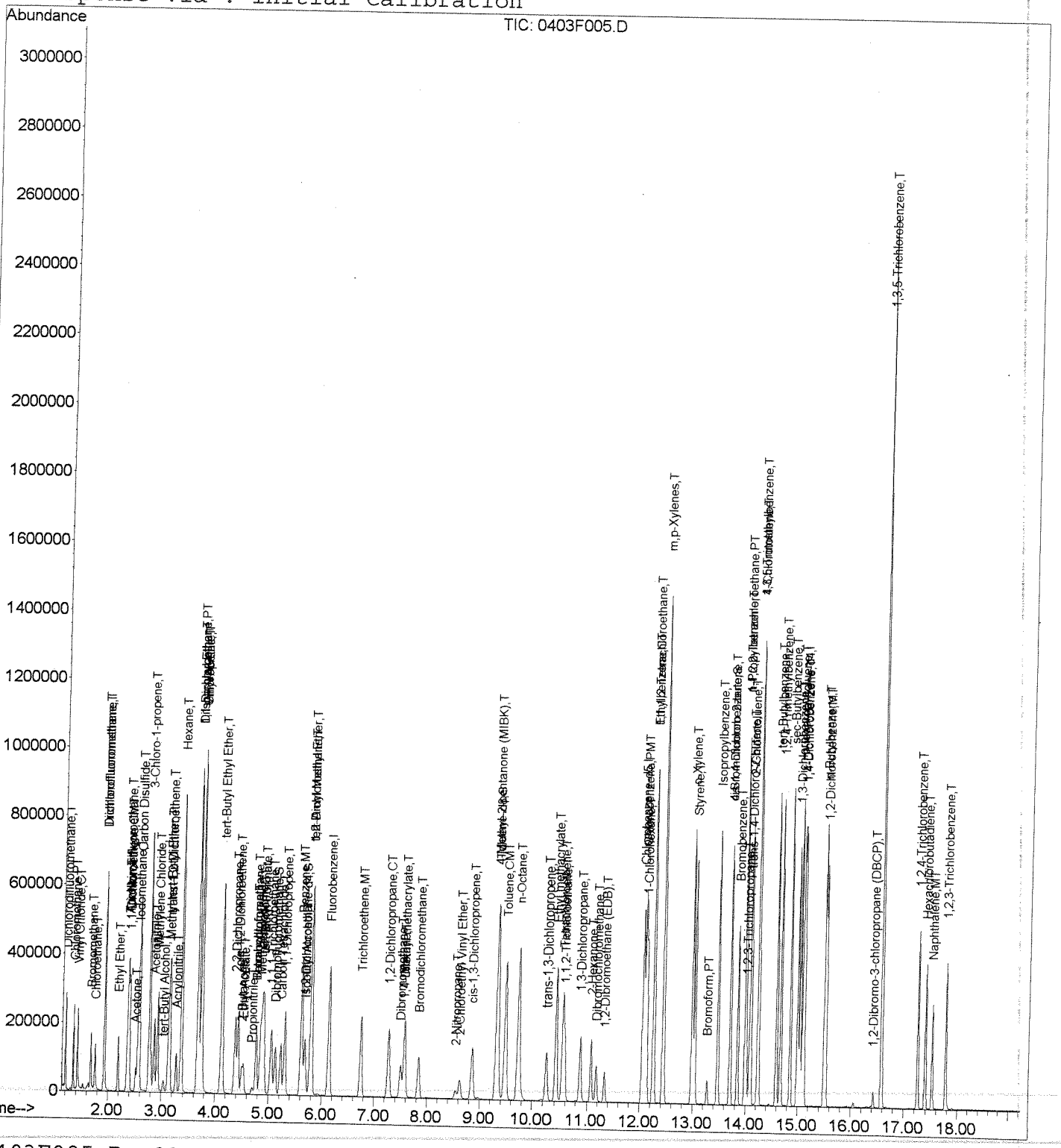
0403F005.D 032108_8260W.M Thu Apr 03 23:14:43 2008

Data File : J:\MS13\DATA\040308\0403F005.D
Acq On : 3 Apr 2008 7:16 pm
Sample : K0802870-003MS
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 23:14 2008

Vial: 5
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration



Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Batch QCDMS	**Units:**	ug/L
Lab Code:	KWG0803135-2	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	**10.9**		0.50	0.17	1	04/03/08	04/03/08	KWG0803135	
Chloromethane	**8.74**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Vinyl Chloride	**8.46**		0.50	0.042	1	04/03/08	04/03/08	KWG0803135	
Bromomethane	**8.46**		0.50	0.22	1	04/03/08	04/03/08	KWG0803135	
Chloroethane	**8.38**		0.50	0.23	1	04/03/08	04/03/08	KWG0803135	
Trichlorofluoromethane	**8.97**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Acetone	**41.4**		20	4.1	1	04/03/08	04/03/08	KWG0803135	
1,1-Dichloroethene	**9.58**		0.50	0.13	1	04/03/08	04/03/08	KWG0803135	
Carbon Disulfide	**16.9**		0.50	0.16	1	04/03/08	04/03/08	KWG0803135	
Methylene Chloride	**8.88**		2.0	0.20	1	04/03/08	04/03/08	KWG0803135	
trans-1,2-Dichloroethene	**8.93**		0.50	0.15	1	04/03/08	04/03/08	KWG0803135	
1,1-Dichloroethane	**8.99**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
2-Butanone (MEK)	**45.3**		20	2.3	1	04/03/08	04/03/08	KWG0803135	
2,2-Dichloropropane	**9.40**		0.50	0.18	1	04/03/08	04/03/08	KWG0803135	
cis-1,2-Dichloroethene	**9.38**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
Chloroform	**9.49**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Bromochloromethane	**9.57**		0.50	0.17	1	04/03/08	04/03/08	KWG0803135	
1,1,1-Trichloroethane (TCA)	**9.27**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
1,1-Dichloropropene	**8.95**		0.50	0.15	1	04/03/08	04/03/08	KWG0803135	
Carbon Tetrachloride	**9.91**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,2-Dichloroethane (EDC)	**9.74**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
Benzene	**8.78**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Trichloroethene (TCE)	**9.34**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,2-Dichloropropane	**9.09**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Bromodichloromethane	**10.0**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
Dibromomethane	**9.56**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
2-Hexanone	**47.4**		20	4.0	1	04/03/08	04/03/08	KWG0803135	
cis-1,3-Dichloropropene	**9.75**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
Toluene	**9.05**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
trans-1,3-Dichloropropene	**9.10**		0.50	0.090	1	04/03/08	04/03/08	KWG0803135	
1,1,2-Trichloroethane	**9.46**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
4-Methyl-2-pentanone (MIBK)	**42.5**		20	2.7	1	04/03/08	04/03/08	KWG0803135	
1,3-Dichloropropane	**9.72**		0.50	0.15	1	04/03/08	04/03/08	KWG0803135	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Batch QCDMS
Lab Code: KWG0803135-2

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	**9.47**		0.50	0.13	1	04/03/08	04/03/08	KWG0803135	
Dibromochloromethane	**10.7**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
1,2-Dibromoethane (EDB)	**9.80**		2.0	0.099	1	04/03/08	04/03/08	KWG0803135	
Chlorobenzene	**9.41**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,1,1,2-Tetrachloroethane	**9.81**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
Ethylbenzene	**9.85**		0.50	0.13	1	04/03/08	04/03/08	KWG0803135	
m,p-Xylenes	**20.2**		0.50	0.22	1	04/03/08	04/03/08	KWG0803135	
o-Xylene	**9.99**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
Styrene	**10.0**		0.50	0.095	1	04/03/08	04/03/08	KWG0803135	
Bromoform	**10.1**		0.50	0.28	1	04/03/08	04/03/08	KWG0803135	
Isopropylbenzene	**9.27**		2.0	0.11	1	04/03/08	04/03/08	KWG0803135	
1,1,2,2-Tetrachloroethane	**9.94**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,2,3-Trichloropropane	**9.39**		0.50	0.24	1	04/03/08	04/03/08	KWG0803135	
Bromobenzene	**9.65**		2.0	0.18	1	04/03/08	04/03/08	KWG0803135	
n-Propylbenzene	**9.89**		2.0	0.098	1	04/03/08	04/03/08	KWG0803135	
2-Chlorotoluene	**9.81**		2.0	0.12	1	04/03/08	04/03/08	KWG0803135	
4-Chlorotoluene	**9.90**		2.0	0.12	1	04/03/08	04/03/08	KWG0803135	
1,3,5-Trimethylbenzene	**10.1**		2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
tert-Butylbenzene	**9.93**		2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
1,2,4-Trimethylbenzene	**10.3**		2.0	0.15	1	04/03/08	04/03/08	KWG0803135	
sec-Butylbenzene	**10.3**		2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
1,3-Dichlorobenzene	**9.77**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
4-Isopropyltoluene	**9.86**		2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
1,4-Dichlorobenzene	**9.43**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
n-Butylbenzene	**10.7**		2.0	0.23	1	04/03/08	04/03/08	KWG0803135	
1,2-Dichlorobenzene	**9.60**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
1,2-Dibromo-3-chloropropane	**10.7**		2.0	1.0	1	04/03/08	04/03/08	KWG0803135	
1,2,4-Trichlorobenzene	**9.67**		2.0	0.22	1	04/03/08	04/03/08	KWG0803135	
1,2,3-Trichlorobenzene	**10.0**		2.0	0.33	1	04/03/08	04/03/08	KWG0803135	
Naphthalene	**10.5**		2.0	0.29	1	04/03/08	04/03/08	KWG0803135	
Hexachlorobutadiene	**9.75**		2.0	0.28	1	04/03/08	04/03/08	KWG0803135	
1,3,5-Trichlorobenzene	**38.3**		5.0	0.35	1	04/03/08	04/03/08	KWG0803135	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Batch QCDMS
Lab Code: KWG0803135-2

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	100	75-120	04/03/08	Acceptable
Toluene-d8	114	80-128	04/03/08	Acceptable
4-Bromofluorobenzene	106	75-117	04/03/08	Acceptable

Comments:

Exception Report

Data File: J:\MS13\DATA\040308\0403F006.D
Lab ID: KWG0803135-2 -- K0802870-003DMS
RunType: DMS
Matrix: WATER

Date Acquired: 04/03/2008 19:44
Date Quantitated: 04/03/2008 23:15
Batch ID: KWG0803131
Analysis Method: 8260B
MethodJoinID: MJ119

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA		x
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA		x
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA		x
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	1,4-Dioxane	0.0011	0.01	NA	NT
	Acetonitrile	0.0079	0.01	NA	
	tert-Butyl Alcohol	0.0075	0.01	NA	
	Isobutyl Alcohol	0.0031	0.01	NA	
Second Source ICAL Verification	tert-Butyl Formate	40.5	NA	30	
Continuing Calibration Recovery	Tetrahydrofuran	299.5	NA	30	
Continuing Calibration Minimum RF	1,4-Dioxane	0.0011	0.01	NA	
	Acetonitrile	0.0075	0.01	NA	
	tert-Butyl Alcohol	0.0066	0.01	NA	
	Isobutyl Alcohol	0.0027	0.01	NA	
Std MRL Unsupported by ICAL	2-Nitropropane	6.3	5.0	NA	

Primary Review: LG 4/4/08

Secondary Review: HL 040708

Printed: 04/04/2008 16:47:35
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8260B VOC_UNP	**Collect Date:**		**Receive Date:**	04/04/2008

Analysis Lot:	KWG0803131	**Prep Lot:**	KWG0803135	**Report Group:**	
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	699292	**Prep Date:**	04/03/2008		

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:			
Tune Ref:	J:\MS13\DATA\040308\0403F002.D	**Method ID:**	MJ119
MB Ref:	J:\MS13\DATA\040308\0403F008.D	**Quant based on Method**	

Data File:	J:\MS13\DATA\040308\0403F006.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 19:44	**Quant Date:**	04/03/2008 23:15	**Vial:**	6
Run Type:	DMS			**Dilution:**	1.0
Lab ID:	KWG0803135-2 -- K0802870-003DMS			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	6.14	0.00	96	479094	10.00	OK
2	Chlorobenzene-d5	12.05	0.00	82	210298	10.00	OK
3	1,4-Dichlorobenzene-d4	15.08	0.00	152	205442	10.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	Dibromofluoromethane	5.13	0.00	0.00	113	106030	10.02	100	75-120	OK	
1	1,2-Dichloroethane-d4	5.68	0.00	0.00	65	118668	9.08	91	62-121	OK	
1	Toluene-d8	9.33	-0.01	0.00	98	522046	11.35	114	80-128	OK	
2	4-Bromofluorobenzene	13.71	0.00	0.00	95	198834	10.61	106	75-117	OK	

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane	1.20		0.00	85	128908	10.94	10.9		
1	Chloromethane	1.34		0.00	50	126311	8.74	8.74		
1	Vinyl Chloride	1.42		0.00	62	120826	8.46	8.46		
1	Bromomethane	1.67	-0.01	0.00	96	70071	8.46	8.46		
1	Chloroethane	1.76		0.00	64	76256	8.38	8.38		
1	Dichlorofluoromethane (CFC 21	1.93	-0.01	0.00	67	255870	11.11	11.1		
1	Trichlorofluoromethane	1.93	-0.01	0.00	101	166087	8.97	8.97		
1	Ethyl Ether	2.19		0.00	59	67424	8.90	8.90		
1	Acrolein	2.37		0.00	56	108470	107.23	107		
1	Trichlorotrifluoroethane	2.36		0.00	151	74983	8.40	8.40		
1	1,1-Dichloroethene	2.40		0.00	96	90414	9.58	9.58		
1	Acetone	2.52		0.00	43	68693	41.36	41.4		
1	Iodomethane	2.55	-0.01	0.00	142	312667**m**	27.22	27.2		
1	Carbon Disulfide	2.58		0.00	76	577882	16.90	16.9		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F006.D		
Acqu Date:	04/03/2008 19:44	**Quant Date:**	04/03/2008 23:15
Run Type:	DMS		
Lab ID:	KWG0803135-2 -- K0802870-003DMS		

Instrument:	MS13
Vial:	6
Dilution:	1.0
Soln Conc. Units:	PPB

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	3-Chloro-1-propene	2.77		0.00	76	149242	24.79	24.8		
1	Acetonitrile	2.86		0.00	40	113595	300.14	300		
1	Methylene Chloride	2.92	-0.01	0.00	84	118841	8.88	8.88		
1	tert-Butyl Alcohol	3.04		0.00	59	36713	102.35	102		
1	Acrylonitrile	3.27		0.00	53	87462	40.61	40.6		
1	Methyl tert-Butyl Ether	3.13		0.00	73	231381	9.54	9.54		
1	trans-1,2-Dichloroethene	3.15		0.00	96	102436	8.93	8.93		
1	n-Hexane	3.36		0.00	57	392770	23.90	23.9		
1	Diisopropyl Ether	3.67	-0.01	0.00	45	675847	20.00	20.0		
1	1,1-Dichloroethane	3.68		0.00	63	191364	8.99	8.99		
1	Vinyl Acetate	3.75	0.01	0.00	86	44910	27.62	27.6		
1	Chloroprene	3.74		0.00	53	457761	26.11	26.1		
1	tert-Butyl Ethyl Ether	4.12	-0.01	0.00	59	591656	19.66	19.7		
1	2,2-Dichloropropane	4.37	-0.01	0.00	77	149523	9.40	9.40		
1	cis-1,2-Dichloroethene	4.43		0.00	96	119817	9.38	9.38		
1	2-Butanone (MEK)	4.49	-0.01	0.00	72	28311	45.26	45.3		
1	Propionitrile	4.70		0.00	54	23188	30.20	30.2		
1	Ethyl Acetate	4.53		0.00	61	16278	24.06	24.1		
1	Methacrylonitrile	4.85		0.00	67	77782	29.82	29.8		
1	Bromochloromethane	4.76		0.00	128	51518	9.57	9.57		
1	Tetrahydrofuran	4.76	-0.01	0.00	71	14651	26.84	26.8		
1	Chloroform	4.88	-0.01	0.00	83	195167	9.49	9.49		
1	tert-Butyl Formate	4.91		0.00	59	109663	24.88	24.9		
1	1,1,1-Trichloroethane (TCA)	5.05		0.00	97	154671	9.27	9.27		
1	Carbon Tetrachloride	5.23		0.00	117	114814	9.91	9.91		
1	1,1-Dichloropropene	5.30		0.00	75	145413	8.95	8.95		
1	Isobutyl Alcohol	5.69		0.00	43	40116	272.02	272		
1	Benzene	5.61	-0.01	0.00	78	440321	8.78	8.78		
1	1,2-Dichloroethane (EDC)	5.81	0.01	0.00	62	147276	9.74	9.74		
1	tert-Amyl Methyl Ether	5.80		0.00	55	142674	20.40	20.4		
1	Trichloroethene (TCE)	6.75		0.00	95	110523	9.34	9.34		
1	1,2-Dichloropropane	7.27		0.00	63	102649	9.09	9.09		
1	Dibromomethane	7.50		0.00	93	51263	9.56	9.56		
1	Methyl Methacrylate	7.57		0.00	69	134448	30.69	30.7		
1	1,4-Dioxane	7.54		0.00	88	17389	324.94	325		
1	Bromodichloromethane	7.84	-0.01	0.00	83	125884	10.03	10.0		
1	2-Nitropropane	8.54	-0.01	0.00	43	19507	27.71	27.7		
1	2-Chloroethyl Vinyl Ether	8.62		0.00	63	38401	9.30	9.30		
1	cis-1,3-Dichloropropene	8.85		0.00	75	149052	9.75	9.75		
1	4-Methyl-2-pentanone (MIBK)	9.32		0.00	58	92409	42.48	42.5		
1	Toluene	9.49		0.00	92	308157	9.05	9.05		
2	n-Octane	9.73		0.00	85	176724	23.15	23.2		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
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E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F006.D		
Acqu Date:	04/03/2008 19:44	**Quant Date:**	04/03/2008 23:15
Run Type:	DMS		
Lab ID:	KWG0803135-2 -- K0802870-003DMS		

Instrument:	MS13
Vial:	6
Dilution:	1.0
Soln Conc. Units:	PPB

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
2	trans-1,3-Dichloropropene	10.26		0.00	75	114942	9.10	9.10		
2	Ethyl Methacrylate	10.42		0.00	69	281824	30.43	30.4		
2	1,1,2-Trichloroethane	10.58		0.00	83	64181	9.46	9.46		
2	Tetrachloroethene (PCE)	10.54	-0.01	0.00	164	96043	9.47	9.47		
2	2-Hexanone	11.08		0.00	57	31190	47.36	47.4		
2	1,3-Dichloropropane	10.87		0.00	76	142652	9.72	9.72		
2	Dibromochloromethane	11.18		0.00	129	71400	10.65	10.7		
2	1,2-Dibromoethane (EDB)	11.33		0.00	107	71590	9.80	9.80		
2	1-Chlorohexane	12.12		0.00	91	146827	9.54	9.54		
2	Chlorobenzene	12.09		0.00	112	358743	9.41	9.41		
2	Ethylbenzene	12.25		0.00	106	190312	9.85	9.85		
2	1,1,1,2-Tetrachloroethane	12.26		0.00	131	91160	9.81	9.81		
2	m,p-Xylenes	12.44		0.00	106	483923	20.16	20.2		
2	o-Xylene	12.98	-0.01	0.00	106	234664	9.99	9.99		
2	Styrene	13.03		0.00	103	178470	10.02	10.0		
2	Bromoform	13.27		0.00	173	33525	10.07	10.1		
2	Isopropylbenzene	13.47		0.00	105	537836	9.27	9.27		
2	cis-1,4-Dichloro-2-butene	13.70		0.00	89	22077	27.84	27.8		
3	1,1,2,2-Tetrachloroethane	13.99		0.00	83	74717	9.94	9.94		
3	trans-1,4-Dichloro-2-butene	14.07		0.00	53	60613	28.77	28.8		
3	Bromobenzene	13.85	-0.01	0.00	156	145795	9.65	9.65		
3	n-Propylbenzene	13.99	-0.01	0.00	91	703577	9.89	9.89		
3	1,2,3-Trichloropropane	14.02		0.00	110	26098	9.39	9.39		
3	2-Chlorotoluene	14.10		0.00	91	461728	9.81	9.81		
3	1,3,5-Trimethylbenzene	14.23		0.00	105	498220	10.07	10.1		
3	4-Chlorotoluene	14.25		0.00	91	524130	9.90	9.90		
3	tert-Butylbenzene	14.59		0.00	119	432191	9.93	9.93		
3	1,2,4-Trimethylbenzene	14.67		0.00	105	494998	10.30	10.3		
3	sec-Butylbenzene	14.85		0.00	105	602061	10.34	10.3		
3	4-Isopropyltoluene	15.03	-0.01	0.00	119	496078	9.86	9.86		
3	1,3-Dichlorobenzene	14.99		0.00	146	296794	9.77	9.77		
3	1,4-Dichlorobenzene	15.11		0.00	146	299109	9.43	9.43		
3	n-Butylbenzene	15.50		0.00	91	410590	10.67	10.7		
3	1,2-Dichlorobenzene	15.52	-0.01	0.00	146	265376	9.60	9.60		
3	1,2-Dibromo-3-chloropropane	16.42		0.00	155	8334	10.70	10.7		
3	1,3,5-Trichlorobenzene	16.57		0.00	180	750498	38.31	38.3		
3	1,2,4-Trichlorobenzene	17.25		0.00	180	155132	9.67	9.67		
3	Hexachlorobutadiene	17.39		0.00	225	79099	9.75	9.75		
3	Naphthalene	17.52		0.00	128	229431	10.51	10.5		
3	1,2,3-Trichlorobenzene	17.77		0.00	180	125133	10.03	10.0		
	1,1,2-Trifluoroethane				0	0		1.0	UJ	NR
	Bis(chloromethyl) Ether				0	0		1.0	UJ	NR

J: Undetected at or above MDL
I: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F006.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 19:44	**Quant Date:**	04/03/2008 23:15	**Vial:**	6
Run Type:	DMS			**Dilution:**	1.0
Lab ID:	KWG0803135-2 -- K0802870-003DMS			**Soln Conc. Units:**	PPB

Target Compounds

Final Conc. Units: ug/L

Parameter Name	RT	RT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1,1-Dichloropropane			0	0		1.0	UJ	NR
Cyclohexanone			0	0		4.0	UJ	NR

Prep Amount: 10 ml **Dilution:** 1.0
Prep Final Vol: 10 ml **Unit Factor:** 1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

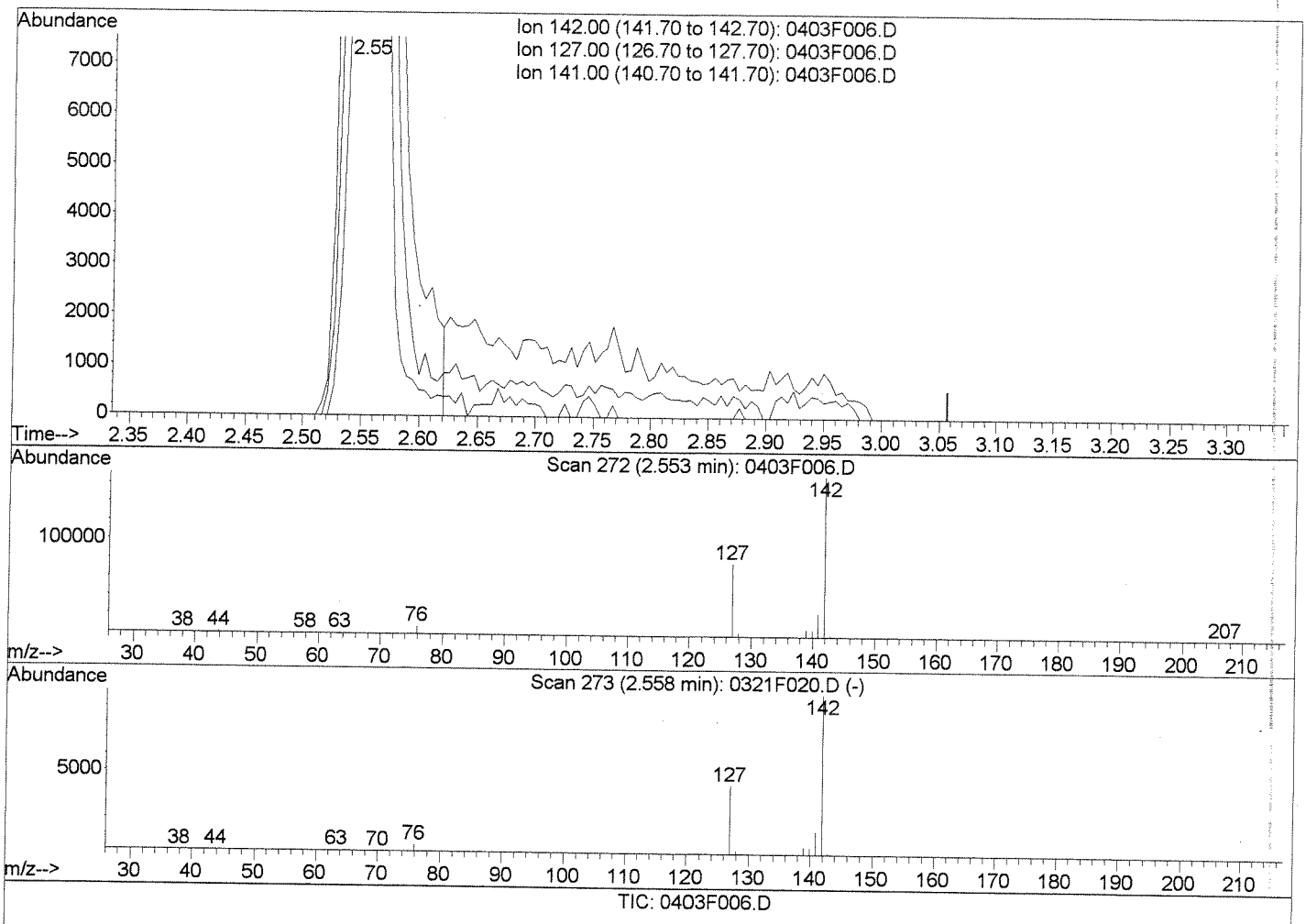
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\MS13\DATA\040308\0403F006.D
Acq On : 3 Apr 2008 7:44 pm
Sample : K0802870-003DMS
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 23:12 2008

Vial: 6
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration



TIC: 0403F006.D

(14) Iodomethane (T)

2.55min 25.26PPB

response 290162

Ion	Exp%	Act%
142.00	100	100
127.00	43.00	45.56
141.00	14.30	14.54
0.00	0.00	0.00

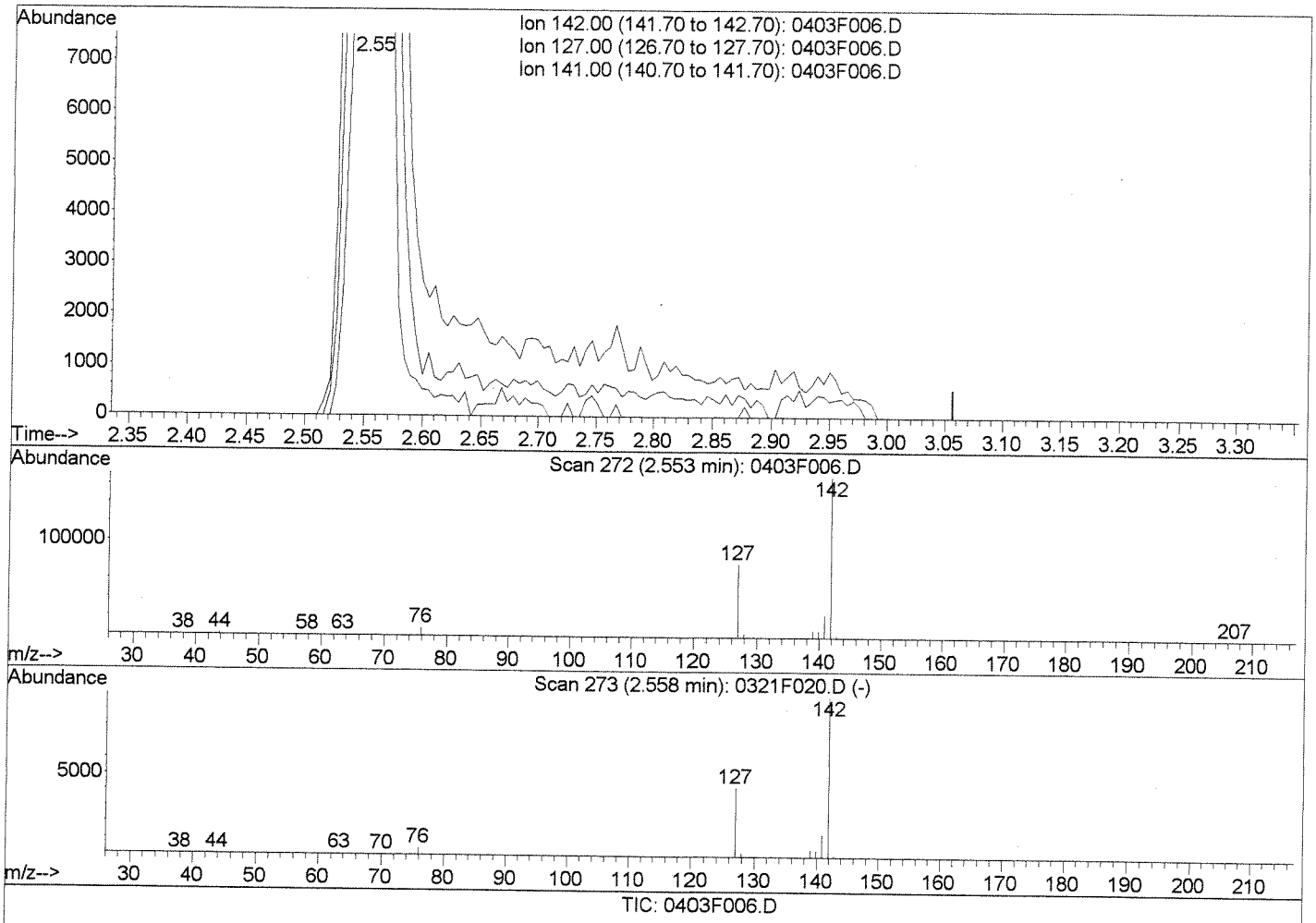
Quantitation Report (Qedit)

Data File : J:\MS13\DATA\040308\0403F006.D
Acq On : 3 Apr 2008 7:44 pm
Sample : K0802870-003DMS
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 23:15 2008

Vial: 6
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration



TIC: 0403F006.D

(14) Iodomethane (T)

2.55min 27.22PPB m

response 312667

Ion	Exp%	Act%
142.00	100	100
127.00	43.00	45.56
141.00	14.30	14.54
0.00	0.00	0.00

peak tailing
KB 4/14/08

HC 040708

0403F006.D 032108_8260W.M Thu Apr 03 23:15:25 2008

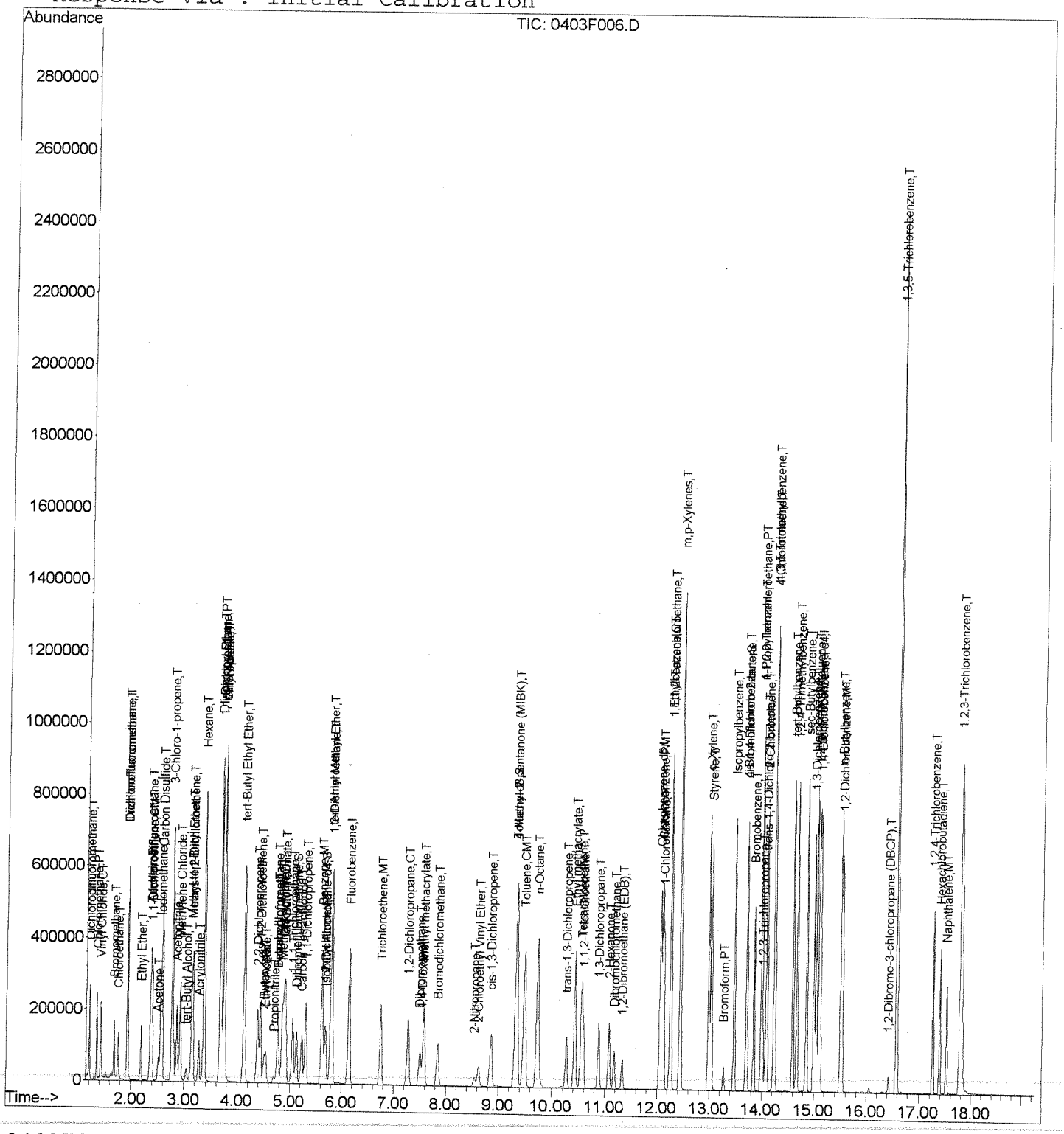
Quantitation Report (QT Reviewed)

Data File : J:\MS13\DATA\040308\0403F006.D
Acq On : 3 Apr 2008 7:44 pm
Sample : K0802870-003DMS
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 23:15 2008

Vial: 6
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration



0403F006.D 032108_8260W.M Thu Apr 03 23:21:50 2008 Page 4

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Lab Control Sample
Lab Code: KWG0803087-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	**5.12**		0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
Chloromethane	**7.30**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Vinyl Chloride	**7.89**		0.50	0.042	1	04/02/08	04/02/08	KWG0803087	
Bromomethane	**9.72**		0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
Chloroethane	**8.73**		0.50	0.23	1	04/02/08	04/02/08	KWG0803087	
Trichlorofluoromethane	**8.72**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Acetone	**41.9**		20	4.1	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethene	**10.4**		0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
Carbon Disulfide	**19.6**		0.50	0.16	1	04/02/08	04/02/08	KWG0803087	
Methylene Chloride	**9.27**		2.0	0.20	1	04/02/08	04/02/08	KWG0803087	
trans-1,2-Dichloroethene	**9.64**		0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethane	**9.69**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
2-Butanone (MEK)	**46.2**		20	2.3	1	04/02/08	04/02/08	KWG0803087	
2,2-Dichloropropane	**9.90**		0.50	0.18	1	04/02/08	04/02/08	KWG0803087	
cis-1,2-Dichloroethene	**9.87**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Chloroform	**9.71**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromochloromethane	**9.97**		0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
1,1,1-Trichloroethane (TCA)	**9.69**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloropropene	**9.72**		0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
Carbon Tetrachloride	**10.1**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloroethane (EDC)	**9.20**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Benzene	**9.75**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Trichloroethene (TCE)	**9.84**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloropropane	**10.1**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromodichloromethane	**10.1**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Dibromomethane	**9.89**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
2-Hexanone	**50.8**		20	4.0	1	04/02/08	04/02/08	KWG0803087	
cis-1,3-Dichloropropene	**10.3**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Toluene	**9.33**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
trans-1,3-Dichloropropene	**9.59**		0.50	0.090	1	04/02/08	04/02/08	KWG0803087	
1,1,2-Trichloroethane	**10.5**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
4-Methyl-2-pentanone (MIBK)	**45.8**		20	2.7	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichloropropane	**10.5**		0.50	0.15	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Lab Control Sample	**Units:**	ug/L
Lab Code:	KWG0803087-3	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	**10.1**		0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
Dibromochloromethane	**10.6**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromoethane (EDB)	**10.6**		2.0	0.099	1	04/02/08	04/02/08	KWG0803087	
Chlorobenzene	**9.82**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,1,1,2-Tetrachloroethane	**10.3**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Ethylbenzene	**10.3**		0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
m,p-Xylenes	**20.7**		0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
o-Xylene	**10.2**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Styrene	**10.4**		0.50	0.095	1	04/02/08	04/02/08	KWG0803087	
Bromoform	**10.4**		0.50	0.28	1	04/02/08	04/02/08	KWG0803087	
Isopropylbenzene	**9.55**		2.0	0.11	1	04/02/08	04/02/08	KWG0803087	
1,1,2,2-Tetrachloroethane	**11.6**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichloropropane	**9.98**		0.50	0.24	1	04/02/08	04/02/08	KWG0803087	
Bromobenzene	**10.3**		2.0	0.18	1	04/02/08	04/02/08	KWG0803087	
n-Propylbenzene	**10.8**		2.0	0.098	1	04/02/08	04/02/08	KWG0803087	
2-Chlorotoluene	**10.7**		2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
4-Chlorotoluene	**10.4**		2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trimethylbenzene	**10.7**		2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
tert-Butylbenzene	**10.7**		2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trimethylbenzene	**11.1**		2.0	0.15	1	04/02/08	04/02/08	KWG0803087	
sec-Butylbenzene	**11.0**		2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichlorobenzene	**10.3**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
4-Isopropyltoluene	**10.5**		2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,4-Dichlorobenzene	**9.87**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
n-Butylbenzene	**11.5**		2.0	0.23	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichlorobenzene	**10.0**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromo-3-chloropropane	**12.4**		2.0	1.0	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trichlorobenzene	**10.1**		2.0	0.22	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichlorobenzene	**10.5**		2.0	0.33	1	04/02/08	04/02/08	KWG0803087	
Naphthalene	**11.8**		2.0	0.29	1	04/02/08	04/02/08	KWG0803087	
Hexachlorobutadiene	**9.95**		2.0	0.28	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trichlorobenzene	**40.7**		5.0	0.35	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Lab Control Sample	**Units:**	ug/L
Lab Code:	KWG0803087-3	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	100	75-120	04/02/08	Acceptable
Toluene-d8	110	80-128	04/02/08	Acceptable
4-Bromofluorobenzene	102	75-117	04/02/08	Acceptable

Comments:

Exception Report

Data File: J:\MS13\DATA\040208\0402F004.D
Lab ID: KWG0803087-3
RunType: LCS
Matrix: WATER

Date Acquired: 04/02/2008 17:12
Date Quantitated: 04/03/2008 15:14
Batch ID: KWG0803086
Analysis Method: 8260B
MethodJoinID: MJ119

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA		x
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA		x
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA		x
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	1,4-Dioxane	0.0011	0.01	NA	NT
	Acetonitrile	0.0079	0.01	NA	MRL CHK
	tert-Butyl Alcohol	0.0075	0.01	NA	NT
	Isobutyl Alcohol	0.0031	0.01	NA	MRL CHK
Second Source ICAL Verification	tert-Butyl Formate	40.5	NA	30	NT
Continuing Calibration Recovery	Tetrahydrofuran	332.3	NA	30	"
Continuing Calibration Minimum RF	1,4-Dioxane	0.0011	0.01	NA	"
	Acetonitrile	0.0078	0.01	NA	MRL CHK
	tert-Butyl Alcohol	0.0067	0.01	NA	NT
	Isobutyl Alcohol	0.0029	0.01	NA	MRL CHK
Std MRL Unsupported by ICAL	2-Nitropropane	6.3	5.0	NA	NT

Primary Review: KE 4/3/08

Secondary Review: HL 04/04/08

Printed: 04/03/2008 16:46:07
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8260B VOC_FP	**Collect Date:**		**Receive Date:**	04/03/2008

Analysis Lot:	KWG0803086	**Prep Lot:**	KWG0803087	**Report Group:**	
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	698955	**Prep Date:**	04/02/2008		

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:			
Tune Ref:	J:\MS13\DATA\040208\0402F002.D	**Method ID:**	MJ119
MB Ref:	J:\MS13\DATA\040208\0402F010.D	**Quant based on Method**	

Data File:	J:\MS13\DATA\040208\0402F004.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 17:12	**Quant Date:**	04/03/2008 15:14	**Vial:**	4
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG0803087-3			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	6.14	0.00	96	657218	10.00	OK
2	Chlorobenzene-d5	12.05	0.00	82	274394	10.00	OK
3	1,4-Dichlorobenzene-d4	15.08	0.00	152	249568	10.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	Dibromofluoromethane	5.13	0.00	0.00	113	144406	9.95	100	75-120	OK	
1	1,2-Dichloroethane-d4	5.68	0.00	0.00	65	156312	8.72	87	62-121	OK	
1	Toluene-d8	9.33	0.00	0.00	98	691123	10.95	110	80-128	OK	
2	4-Bromofluorobenzene	13.71	0.00	0.00	95	248653	10.17	102	75-117	OK	

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane	1.20		0.00	85	82853	5.12	5.12		
1	Chloromethane	1.34		0.00	50	144711	7.30	7.30		
1	Vinyl Chloride	1.42		0.00	62	154491	7.89	7.89		
1	Bromomethane	1.67	-0.01	0.00	96	110398	9.72	9.72		
1	Chloroethane	1.76		0.00	64	109069	8.73	8.73		
1	Dichlorofluoromethane (CFC 21	1.94		0.00	67	373925	11.84	11.8		
1	Trichlorofluoromethane	1.94		0.00	101	221551	8.72	8.72		
1	Ethyl Ether	2.19		0.00	59	100193	9.64	9.64		
1	Acrolein	2.37		0.00	56	154900	111.63	112		
1	Trichlorotrifluoroethane	2.36		0.00	151	113768	9.29	9.29		
1	1,1-Dichloroethene	2.40		0.00	96	134130	10.36	10.4		
1	Acetone	2.52		0.00	43	95347	41.85	41.9		
1	Iodomethane	2.56		0.00	142	494663**m**	31.39	31.4		
1	Carbon Disulfide	2.58		0.00	76	918443	19.58	19.6		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040208\0402F004.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 17:12	**Quant Date:**	04/03/2008 15:14	**Vial:**	4
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG0803087-3			**Soln Conc. Units:**	PPB

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	3-Chloro-1-propene	2.77		0.00	76	243904	29.53	29.5		
1	Acetonitrile	2.86		0.00	40	161426	310.92	311		
1	Methylene Chloride	2.92	-0.01	0.00	84	170180	9.27	9.27		
1	tert-Butyl Alcohol	3.04		0.00	59	50851	103.34	103		
1	Acrylonitrile	3.27		0.00	53	121875	41.25	41.3		
1	Methyl tert-Butyl Ether	3.13		0.00	73	324661	9.76	9.76		
1	trans-1,2-Dichloroethene	3.15		0.00	96	151691	9.64	9.64		
1	n-Hexane	3.36		0.00	57	610426	27.08	27.1		
1	Diisopropyl Ether	3.68		0.00	45	962491	20.76	20.8		
1	1,1-Dichloroethane	3.68		0.00	63	282874	9.69	9.69		
1	Vinyl Acetate	3.75		0.00	86	61951	27.78	27.8		
1	Chloroprene	3.74		0.00	53	709334	29.49	29.5		
1	tert-Butyl Ethyl Ether	4.13	0.01	0.00	59	825650	20.00	20.0		
1	2,2-Dichloropropane	4.38		0.00	77	216090	9.90	9.90		
1	cis-1,2-Dichloroethene	4.43	-0.01	0.00	96	172964	9.87	9.87		
1	2-Butanone (MEK)	4.50	0.01	0.00	72	39634	46.19	46.2		
1	Propionitrile	4.70	0.01	0.00	54	33669	31.96	32.0		
1	Ethyl Acetate	4.53		0.00	61	23246	25.04	25.0		
1	Methacrylonitrile	4.85	0.01	0.00	67	113323	31.67	31.7		
1	Bromochloromethane	4.77		0.00	128	73612	9.97	9.97		
1	Tetrahydrofuran	4.76	-0.01	0.00	71	42708	57.03	57.0		
1	Chloroform	4.89		0.00	83	274071	9.71	9.71		
1	tert-Butyl Formate	4.91		0.00	59	163039	26.96	27.0		
1	1,1,1-Trichloroethane (TCA)	5.06	0.01	0.00	97	221942	9.69	9.69		
1	Carbon Tetrachloride	5.23		0.00	117	160077	10.07	10.1		
1	1,1-Dichloropropene	5.31		0.00	75	216652	9.72	9.72		
1	Isobutyl Alcohol	5.70	0.01	0.00	43	62012	306.53	307		
1	Benzene	5.62		0.00	78	671022	9.75	9.75		
1	1,2-Dichloroethane (EDC)	5.80	-0.01	0.00	62	190663	9.20	9.20		
1	tert-Amyl Methyl Ether	5.80		0.00	55	190484	19.86	19.9		
1	Trichloroethene (TCE)	6.75		0.00	95	159792	9.84	9.84		
1	1,2-Dichloropropane	7.27		0.00	63	156267	10.09	10.1		
1	Dibromomethane	7.50		0.00	93	72799	9.89	9.89		
1	Methyl Methacrylate	7.58		0.00	69	196423	32.68	32.7		
1	1,4-Dioxane	7.54		0.00	88	24932**m**	339.63	340		
1	Bromodichloromethane	7.85		0.00	83	173964	10.11	10.1		
1	2-Nitropropane	8.54	-0.01	0.00	43	26694	27.64	27.6		
1	2-Chloroethyl Vinyl Ether	8.63	0.01	0.00	63	58651	10.36	10.4		
1	cis-1,3-Dichloropropene	8.85		0.00	75	216284	10.31	10.3		
1	4-Methyl-2-pentanone (MIBK)	9.32		0.00	58	136693	45.80	45.8		
1	Toluene	9.49		0.00	92	435546	9.33	9.33		
2	n-Octane	9.73	-0.01	0.00	85	248431	24.94	24.9		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040208\0402F004.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 17:12	**Quant Date:**	04/03/2008 15:14	**Vial:**	4
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG0803087-3			**Soln Conc. Units:**	PPB

Target Compounds — **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
2	trans-1,3-Dichloropropene	10.26		0.00	75	158047	9.59	9.59		
2	Ethyl Methacrylate	10.42		0.00	69	391225	32.37	32.4		
2	1,1,2-Trichloroethane	10.59	0.01	0.00	83	92920	10.50	10.5		
2	Tetrachloroethene (PCE)	10.54		0.00	164	133867	10.12	10.1		
2	2-Hexanone	11.08		0.00	57	43658	50.81	50.8		
2	1,3-Dichloropropane	10.87		0.00	76	201419	10.52	10.5		
2	Dibromochloromethane	11.18		0.00	129	93045	10.63	10.6		
2	1,2-Dibromoethane (EDB)	11.33		0.00	107	101040	10.60	10.6		
2	1-Chlorohexane	12.12		0.00	91	216571	10.78	10.8		
2	Chlorobenzene	12.09		0.00	112	488392	9.82	9.82		
2	Ethylbenzene	12.25		0.00	106	259269	10.29	10.3		
2	1,1,1,2-Tetrachloroethane	12.26		0.00	131	124231	10.25	10.3		
2	m,p-Xylenes	12.44		0.00	106	647327	20.67	20.7		
2	o-Xylene	12.99		0.00	106	312257	10.19	10.2		
2	Styrene	13.03		0.00	103	242689	10.44	10.4		
2	Bromoform	13.27		0.00	173	45250	10.41	10.4		
2	Isopropylbenzene	13.47		0.00	105	722906	9.55	9.55		
2	cis-1,4-Dichloro-2-butene	13.70		0.00	89	35219	34.04	34.0		
3	1,1,2,2-Tetrachloroethane	13.99		0.00	83	105813	11.59	11.6		
3	trans-1,4-Dichloro-2-butene	14.07		0.00	53	89106	34.81	34.8		
3	Bromobenzene	13.85		0.00	156	189069	10.31	10.3		
3	n-Propylbenzene	14.00	0.01	0.00	91	934147	10.81	10.8		
3	1,2,3-Trichloropropane	14.02		0.00	110	33693	9.98	9.98		
3	2-Chlorotoluene	14.10		0.00	91	610248	10.68	10.7		
3	1,3,5-Trimethylbenzene	14.24	0.01	0.00	105	641064	10.66	10.7		
3	4-Chlorotoluene	14.25		0.00	91	668824	10.40	10.4		
3	tert-Butylbenzene	14.59		0.00	119	565081	10.69	10.7		
3	1,2,4-Trimethylbenzene	14.67		0.00	105	648448	11.11	11.1		
3	sec-Butylbenzene	14.85		0.00	105	778236	11.00	11.0		
3	4-Isopropyltoluene	15.04		0.00	119	640331	10.48	10.5		
3	1,3-Dichlorobenzene	14.99		0.00	146	379755	10.29	10.3		
3	1,4-Dichlorobenzene	15.11		0.00	146	380217	9.87	9.87		
3	n-Butylbenzene	15.50		0.00	91	536810	11.49	11.5		
3	1,2-Dichlorobenzene	15.52		0.00	146	336088	10.01	10.0		
3	1,2-Dibromo-3-chloropropane	16.43		0.00	155	11724	12.39	12.4		
3	1,3,5-Trichlorobenzene	16.57		0.00	180	968861	40.71	40.7		
3	1,2,4-Trichlorobenzene	17.26		0.00	180	196142	10.07	10.1		
3	Hexachlorobutadiene	17.39		0.00	225	98006	9.95	9.95		
3	Naphthalene	17.52		0.00	128	312648	11.78	11.8		
3	1,2,3-Trichlorobenzene	17.77		0.00	180	159318	10.51	10.5		
	1,1,2-Trifluoroethane				0	0		1.0	UJ	NR
	Bis(chloromethyl) Ether				0	0		1.0	UJ	NR

U: Undetected at or above MDL
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P: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040208\0402F004.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 17:12	**Quant Date:**	04/03/2008 15:14	**Vial:**	4
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG0803087-3			**Soln Conc. Units:**	PPB

Target Compounds

Final Conc. Units: ug/L

Parameter Name	RT	RT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1,1-Dichloropropane			0	0		1.0	UJ	NR
Cyclohexanone			0	0		4.0	UJ	NR

Prep Amount: 10 ml **Dilution:** 1.0
Prep Final Vol: 10 ml **Unit Factor:** 1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

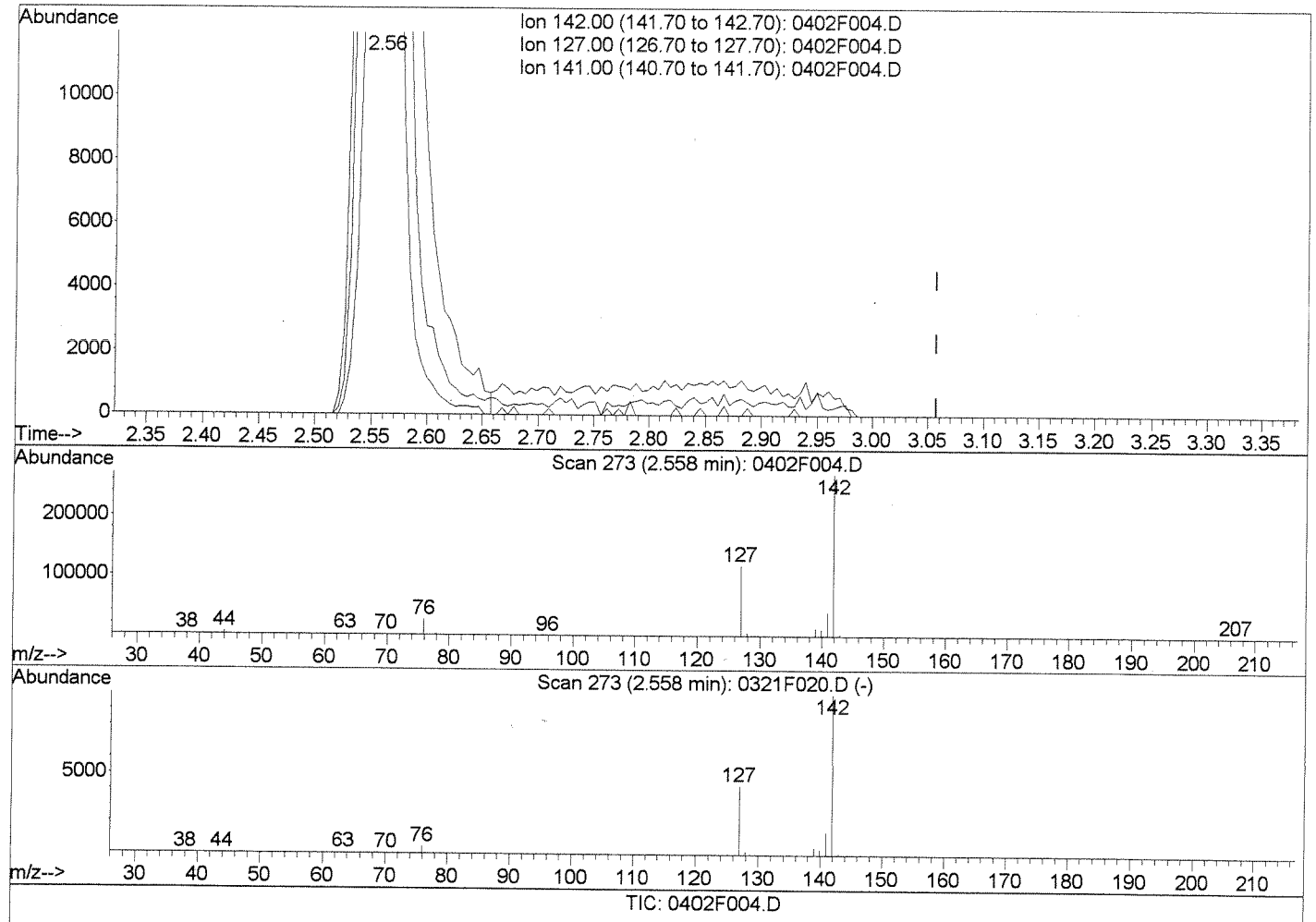
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (Qedit)

Data File : J:\MS13\DATA\040208\0402F004.D Vial: 4
Acq On : 2 Apr 2008 5:12 pm Operator:
Sample : 0402 LCS W Inst : MS13
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 3 15:12 2008 Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration



TIC: 0402F004.D

(14) Iodomethane (T)

2.56min 30.39PPB

response 478884

Ion	Exp%	Act%
142.00	100	100
127.00	43.00	43.51
141.00	14.30	14.56
0.00	0.00	0.00

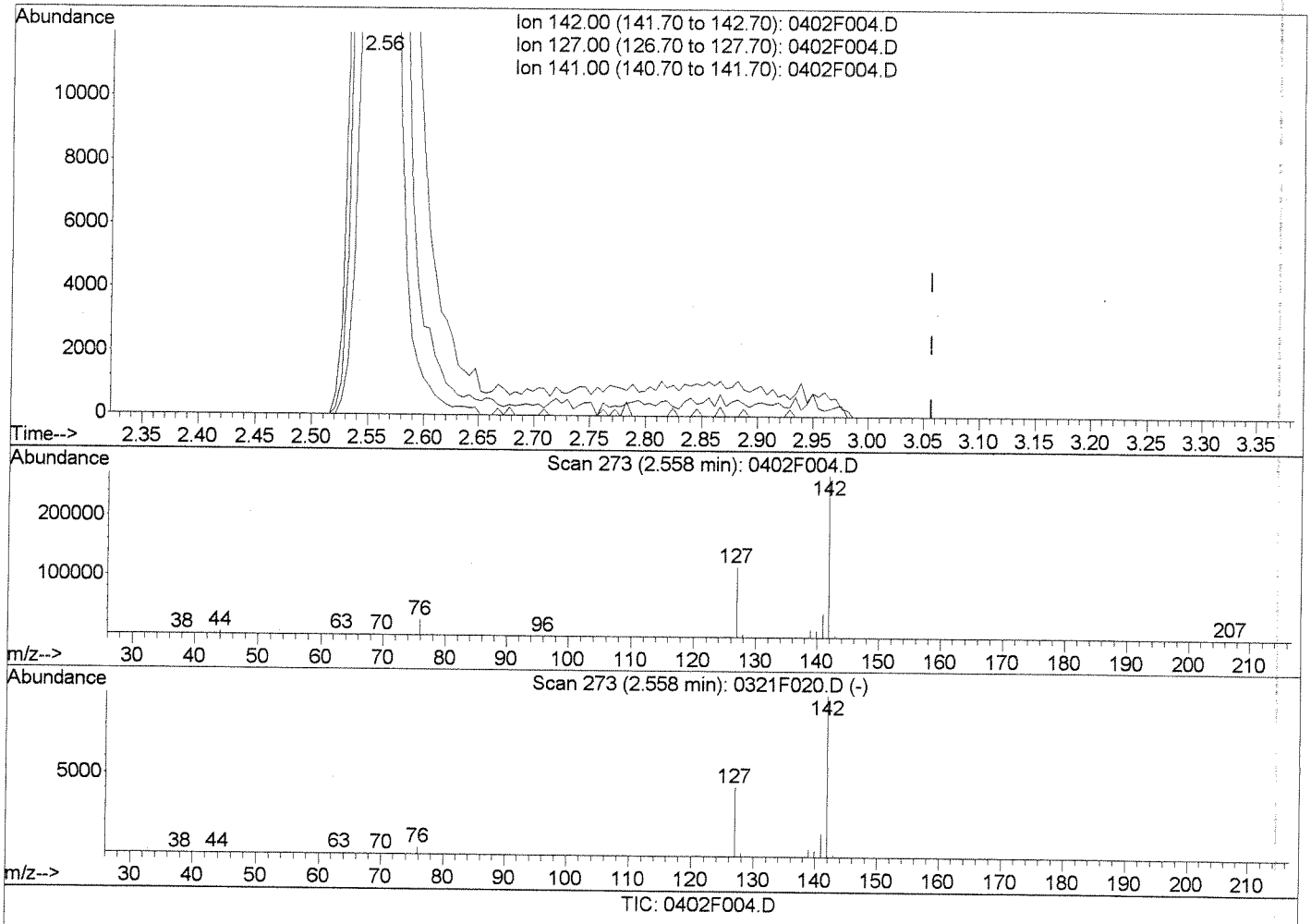
0402F004.D 032108_8260W.M Thu Apr 03 15:14:07 2008

Quantitation Report (Qedit)

Data File : J:\MS13\DATA\040208\0402F004.D
Acq On : 2 Apr 2008 5:12 pm
Sample : 0402 LCS W
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 15:14 2008

Vial: 4
Operator:
Inst : MS13
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration



TIC: 0402F004.D

(14) Iodomethane (T)

2.56min 31.39PPB m

response 494663

Ion	Exp%	Act%
142.00	100	100
127.00	43.00	43.51
141.00	14.30	14.56
0.00	0.00	0.00

peak failing
LCS 413108

HH 04-04-08

0402F004.D 032108_8260W.M Thu Apr 03 15:14:11 2008

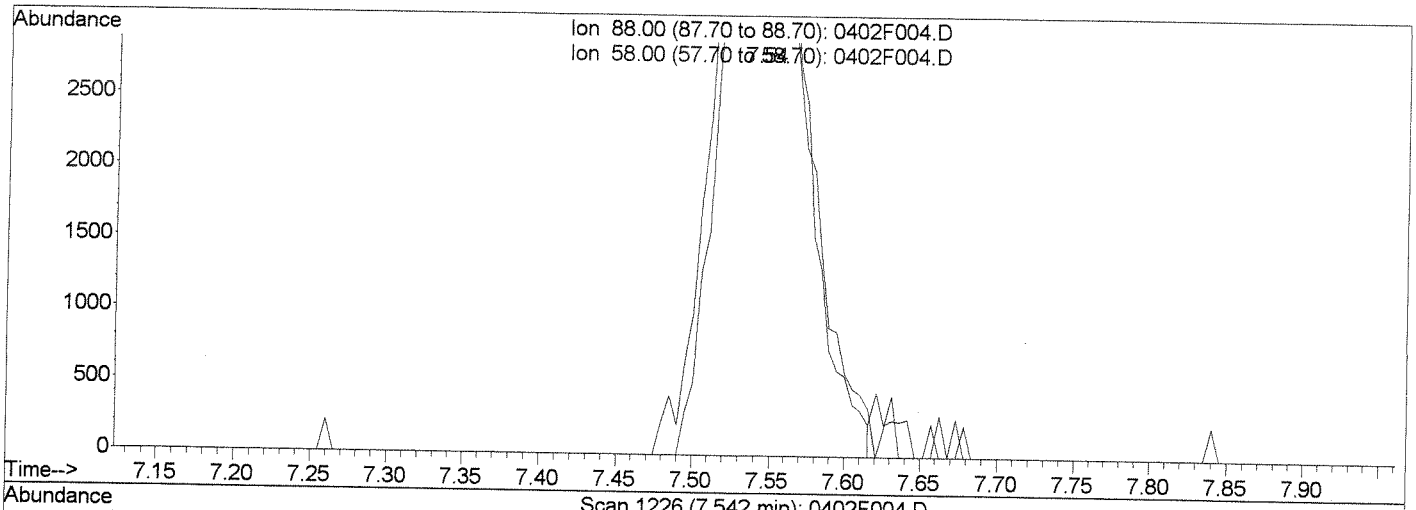
Quantitation Report (Qedit)

Data File : J:\MS13\DATA\040208\0402F004.D
Acq On : 2 Apr 2008 5:12 pm
Sample : 0402 LCS W
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 15:14 2008

Vial: 4
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Single Level Calibration



TIC: 0402F004.D

(52) 1,4-Dioxane (T)

7.54min 333.55PPB

response 24486

Ion	Exp%	Act%
88.00	100	100
58.00	63.90	60.99
0.00	0.00	0.00
0.00	0.00	0.00

0402F004.D 032108_8260W.M Thu Apr 03 15:14:30 2008

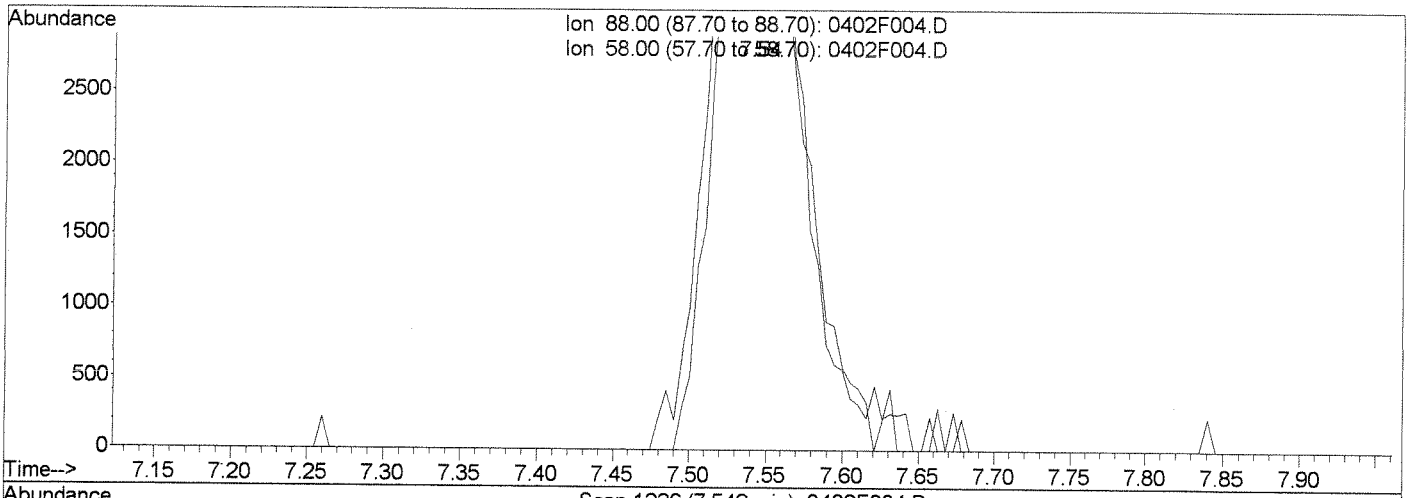
Quantitation Report (Qedit)

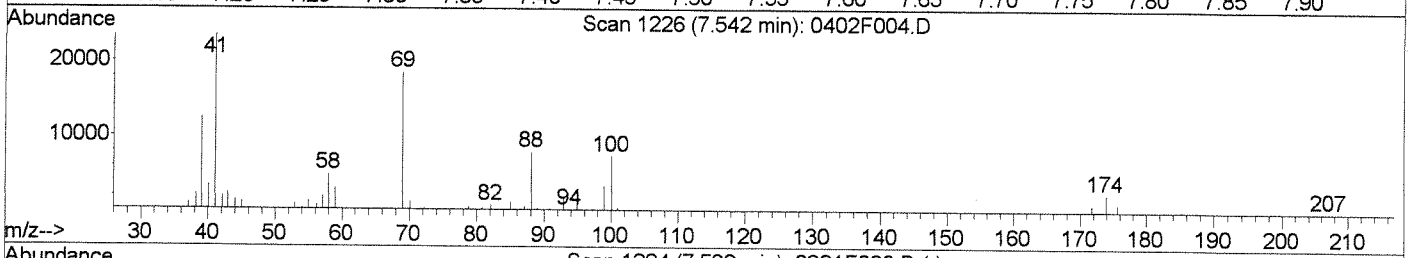
Data File : J:\MS13\DATA\040208\0402F004.D
Acq On : 2 Apr 2008 5:12 pm
Sample : 0402 LCS W
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 15:14 2008

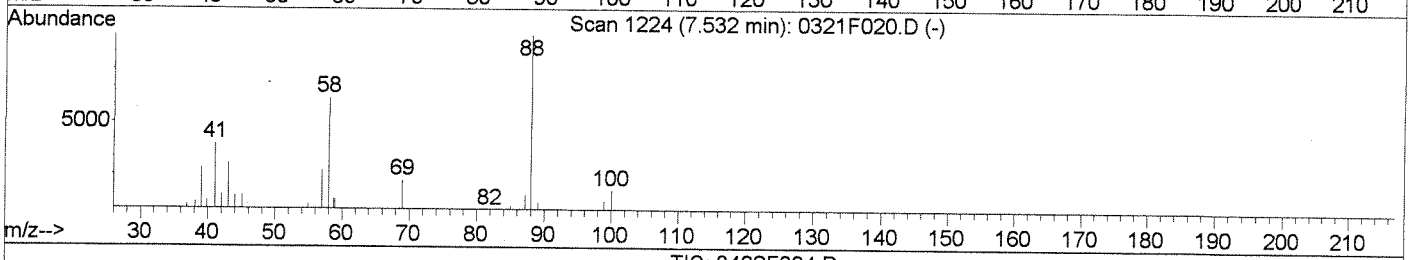
Vial: 4
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Single Level Calibration







TIC: 0402F004.D

(52) 1,4-Dioxane (T)

7.54min 339.63PPB m

response 24932

Ion	Exp%	Act%
88.00	100	100
58.00	63.90	60.99
0.00	0.00	0.00
0.00	0.00	0.00

NT

peak failing
LCS 413108

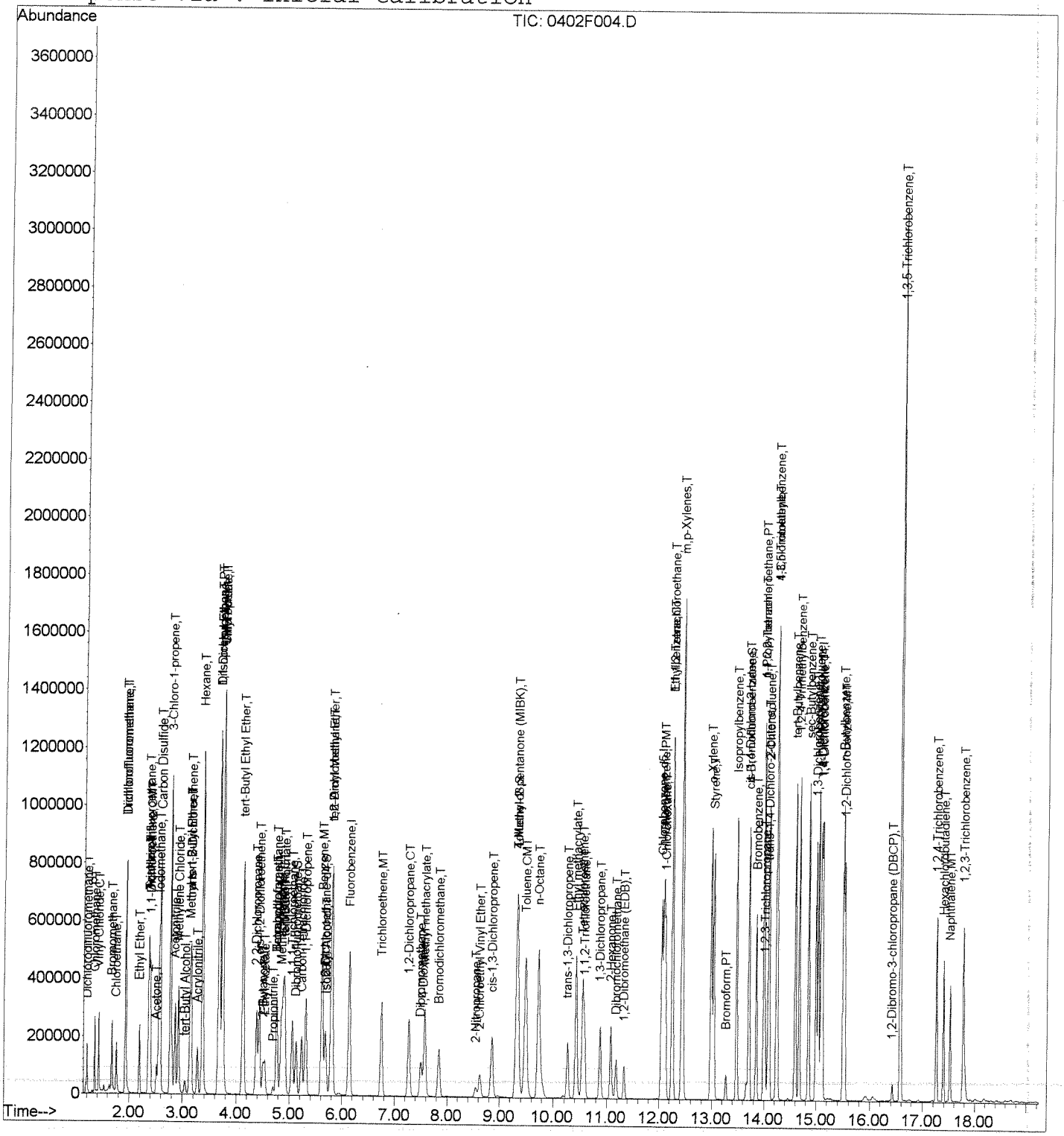
H 04-04-08

0402F004.D 032108_8260W.M Thu Apr 03 15:14:34 2008

Quantitation Report (QT Reviewed)

Data File : J:\MS13\DATA\040208\0402F004.D Vial: 4
Acq On : 2 Apr 2008 5:12 pm Operator:
Sample : 0402 LCS W Inst : MS13
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 3 15:14 2008 Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration



Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Duplicate Lab Control Sample	**Units:**	ug/L
Lab Code:	KWG0803087-5	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	**5.38**		0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
Chloromethane	**6.83**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Vinyl Chloride	**7.71**		0.50	0.042	1	04/02/08	04/02/08	KWG0803087	
Bromomethane	**8.87**		0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
Chloroethane	**8.42**		0.50	0.23	1	04/02/08	04/02/08	KWG0803087	
Trichlorofluoromethane	**8.14**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Acetone	**41.4**		20	4.1	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethene	**9.54**		0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
Carbon Disulfide	**18.3**		0.50	0.16	1	04/02/08	04/02/08	KWG0803087	
Methylene Chloride	**9.27**		2.0	0.20	1	04/02/08	04/02/08	KWG0803087	
trans-1,2-Dichloroethene	**9.09**		0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloroethane	**9.18**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
2-Butanone (MEK)	**44.1**		20	2.3	1	04/02/08	04/02/08	KWG0803087	
2,2-Dichloropropane	**9.41**		0.50	0.18	1	04/02/08	04/02/08	KWG0803087	
cis-1,2-Dichloroethene	**9.36**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Chloroform	**9.28**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromochloromethane	**9.61**		0.50	0.17	1	04/02/08	04/02/08	KWG0803087	
1,1,1-Trichloroethane (TCA)	**8.97**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,1-Dichloropropene	**8.91**		0.50	0.15	1	04/02/08	04/02/08	KWG0803087	
Carbon Tetrachloride	**9.52**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloroethane (EDC)	**8.83**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Benzene	**9.07**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Trichloroethene (TCE)	**9.00**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichloropropane	**9.37**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
Bromodichloromethane	**9.56**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Dibromomethane	**9.44**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
2-Hexanone	**46.9**		20	4.0	1	04/02/08	04/02/08	KWG0803087	
cis-1,3-Dichloropropene	**9.73**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Toluene	**9.19**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
trans-1,3-Dichloropropene	**8.81**		0.50	0.090	1	04/02/08	04/02/08	KWG0803087	
1,1,2-Trichloroethane	**9.51**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
4-Methyl-2-pentanone (MIBK)	**45.2**		20	2.7	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichloropropane	**9.62**		0.50	0.15	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0803087-5

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	**9.21**		0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
Dibromochloromethane	**9.76**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromoethane (EDB)	**9.65**		2.0	0.099	1	04/02/08	04/02/08	KWG0803087	
Chlorobenzene	**9.30**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,1,1,2-Tetrachloroethane	**9.40**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
Ethylbenzene	**9.76**		0.50	0.13	1	04/02/08	04/02/08	KWG0803087	
m,p-Xylenes	**19.9**		0.50	0.22	1	04/02/08	04/02/08	KWG0803087	
o-Xylene	**9.69**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
Styrene	**9.98**		0.50	0.095	1	04/02/08	04/02/08	KWG0803087	
Bromoform	**9.21**		0.50	0.28	1	04/02/08	04/02/08	KWG0803087	
Isopropylbenzene	**9.02**		2.0	0.11	1	04/02/08	04/02/08	KWG0803087	
1,1,2,2-Tetrachloroethane	**10.4**		0.50	0.14	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichloropropane	**9.13**		0.50	0.24	1	04/02/08	04/02/08	KWG0803087	
Bromobenzene	**9.72**		2.0	0.18	1	04/02/08	04/02/08	KWG0803087	
n-Propylbenzene	**10.1**		2.0	0.098	1	04/02/08	04/02/08	KWG0803087	
2-Chlorotoluene	**9.92**		2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
4-Chlorotoluene	**9.74**		2.0	0.12	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trimethylbenzene	**9.91**		2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
tert-Butylbenzene	**9.94**		2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trimethylbenzene	**10.3**		2.0	0.15	1	04/02/08	04/02/08	KWG0803087	
sec-Butylbenzene	**10.5**		2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,3-Dichlorobenzene	**9.71**		0.50	0.11	1	04/02/08	04/02/08	KWG0803087	
4-Isopropyltoluene	**9.87**		2.0	0.13	1	04/02/08	04/02/08	KWG0803087	
1,4-Dichlorobenzene	**9.34**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
n-Butylbenzene	**10.9**		2.0	0.23	1	04/02/08	04/02/08	KWG0803087	
1,2-Dichlorobenzene	**9.51**		0.50	0.12	1	04/02/08	04/02/08	KWG0803087	
1,2-Dibromo-3-chloropropane	**11.1**		2.0	1.0	1	04/02/08	04/02/08	KWG0803087	
1,2,4-Trichlorobenzene	**9.43**		2.0	0.22	1	04/02/08	04/02/08	KWG0803087	
1,2,3-Trichlorobenzene	**9.84**		2.0	0.33	1	04/02/08	04/02/08	KWG0803087	
Naphthalene	**10.8**		2.0	0.29	1	04/02/08	04/02/08	KWG0803087	
Hexachlorobutadiene	**9.43**		2.0	0.28	1	04/02/08	04/02/08	KWG0803087	
1,3,5-Trichlorobenzene	**39.0**		5.0	0.35	1	04/02/08	04/02/08	KWG0803087	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG0803087-5

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	97	75-120	04/02/08	Acceptable
Toluene-d8	113	80-128	04/02/08	Acceptable
4-Bromofluorobenzene	104	75-117	04/02/08	Acceptable

Comments:

Exception Report

Data File: J:\MS13\DATA\040208\0402F005.D
Lab ID: KWG0803087-5
RunType: DLCS
Matrix: WATER

Date Acquired: 04/02/2008 17:39
Date Quantitated: 04/03/2008 15:15
Batch ID: KWG0803086
Analysis Method: 8260B
MethodJoinID: MJ119

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA		x
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA		x
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA		x
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	1,4-Dioxane	0.0011	0.01	NA	NT
	Acetonitrile	0.0079	0.01	NA	MRL CHK
	tert-Butyl Alcohol	0.0075	0.01	NA	NT
	Isobutyl Alcohol	0.0031	0.01	NA	MRL CHK
Second Source ICAL Verification	tert-Butyl Formate	40.5	NA	30	NT
Continuing Calibration Recovery	Tetrahydrofuran	332.3	NA	30	"
Continuing Calibration Minimum RF	1,4-Dioxane	0.0011	0.01	NA	"
	Acetonitrile	0.0078	0.01	NA	MRL CHK
	tert-Butyl Alcohol	0.0067	0.01	NA	NT
	Isobutyl Alcohol	0.0029	0.01	NA	MRL CHK
Std MRL Unsupported by ICAL	2-Nitropropane	6.3	5.0	NA	NT

Primary Review: KB 4/3/08

Secondary Review: HT 04.04.08

Printed: 04/03/2008 16:46:11
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8260B VOC_FP	**Collect Date:**		**Receive Date:**	04/03/2008

Analysis Lot:	KWG0803086	**Prep Lot:**	KWG0803087	**Report Group:**	
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	698957	**Prep Date:**	04/02/2008		

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:			
Tune Ref:	J:\MS13\DATA\040208\0402F002.D	**Method ID:**	MJ119
MB Ref:	J:\MS13\DATA\040208\0402F010.D	**Quant based on Method**	

Data File:	J:\MS13\DATA\040208\0402F005.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 17:39	**Quant Date:**	04/03/2008 15:15	**Vial:**	5
Run Type:	DLCS			**Dilution:**	1.0
Lab ID:	KWG0803087-5			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	6.14	0.00	96	586687	10.00	OK
2	Chlorobenzene-d5	12.05	0.00	82	256599	10.00	OK
3	1,4-Dichlorobenzene-d4	15.08	0.00	152	240494	10.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	Dibromofluoromethane	5.13	0.00	0.00	113	125218	9.66	97	75-120	OK	
1	1,2-Dichloroethane-d4	5.67	-0.01	0.00	65	138557	8.66	87	62-121	OK	
1	Toluene-d8	9.33	0.00	0.00	98	637304	11.31	113	80-128	OK	
2	4-Bromofluorobenzene	13.71	0.00	0.00	95	237030	10.37	104	75-117	OK	

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane	1.20		0.00	85	77687	5.38	5.38		
1	Chloromethane	1.34		0.00	50	120877	6.83	6.83		
1	Vinyl Chloride	1.42		0.00	62	134786	7.71	7.71		
1	Bromomethane	1.67	-0.01	0.00	96	90016	8.87	8.87		
1	Chloroethane	1.76		0.00	64	93903	8.42	8.42		
1	Dichlorofluoromethane (CFC 21	1.93	-0.01	0.00	67	350063	12.41	12.4		
1	Trichlorofluoromethane	1.93	-0.01	0.00	101	184639	8.14	8.14		
1	Ethyl Ether	2.19		0.00	59	87737	9.45	9.45		
1	Acrolein	2.37		0.00	56	137845	111.28	111		
1	Trichlorotrifluoroethane	2.36		0.00	151	92436	8.46	8.46		
1	1,1-Dichloroethene	2.40		0.00	96	110238	9.54	9.54		
1	Acetone	2.52		0.00	43	84089	41.35	41.4		
1	Iodomethane	2.56		0.00	142	422512m	30.03	30.0		
1	Carbon Disulfide	2.58		0.00	76	765585	18.28	18.3		

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N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040208\0402F005.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 17:39	**Quant Date:**	04/03/2008 15:15	**Vial:**	5
Run Type:	DLCS			**Dilution:**	1.0
Lab ID:	KWG0803087-5			**Soln Conc. Units:**	PPB

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	3-Chloro-1-propene	2.77		0.00	76	205012	27.81	27.8		
1	Acetonitrile	2.86		0.00	40	142272	306.97	307		
1	Methylene Chloride	2.92	-0.01	0.00	84	151872	9.27	9.27		
1	tert-Butyl Alcohol	3.04		0.00	59	45163	102.81	103		
1	Acrylonitrile	3.27		0.00	53	110030	41.72	41.7		
1	Methyl tert-Butyl Ether	3.13		0.00	73	282121	9.50	9.50		
1	trans-1,2-Dichloroethene	3.15		0.00	96	127693	9.09	9.09		
1	n-Hexane	3.36		0.00	57	534943	26.59	26.6		
1	Diisopropyl Ether	3.67	-0.01	0.00	45	848087	20.49	20.5		
1	1,1-Dichloroethane	3.68		0.00	63	239267	9.18	9.18		
1	Vinyl Acetate	3.74	-0.01	0.00	86	54789	27.52	27.5		
1	Chloroprene	3.74		0.00	53	590663	27.51	27.5		
1	tert-Butyl Ethyl Ether	4.12		0.00	59	721054	19.57	19.6		
1	2,2-Dichloropropane	4.37	-0.01	0.00	77	183289	9.41	9.41		
1	cis-1,2-Dichloroethene	4.42	-0.02	0.00	96	146408	9.36	9.36		
1	2-Butanone (MEK)	4.50	0.01	0.00	72	33796	44.12	44.1		
1	Propionitrile	4.70	0.01	0.00	54	29752	31.64	31.6		
1	Ethyl Acetate	4.53		0.00	61	20974	25.31	25.3		
1	Methacrylonitrile	4.85	0.01	0.00	67	98224	30.75	30.8		
1	Bromochloromethane	4.76	-0.01	0.00	128	63334	9.61	9.61		
1	Tetrahydrofuran	4.76	-0.01	0.00	71	37699	56.39	56.4		
1	Chloroform	4.88	-0.01	0.00	83	233753	9.28	9.28		
1	tert-Butyl Formate	4.91		0.00	59	143651	26.61	26.6		
1	1,1,1-Trichloroethane (TCA)	5.05		0.00	97	183433	8.97	8.97		
1	Carbon Tetrachloride	5.23		0.00	117	135053	9.52	9.52		
1	1,1-Dichloropropene	5.30	-0.01	0.00	75	177379	8.91	8.91		
1	Isobutyl Alcohol	5.69		0.00	43	53861	298.25	298		
1	Benzene	5.61	-0.01	0.00	78	557353	9.07	9.07		
1	1,2-Dichloroethane (EDC)	5.80	-0.01	0.00	62	163475	8.83	8.83		
1	tert-Amyl Methyl Ether	5.79	-0.01	0.00	55	167169	19.52	19.5		
1	Trichloroethene (TCE)	6.75		0.00	95	130438	9.00	9.00		
1	1,2-Dichloropropane	7.26	-0.01	0.00	63	129535	9.37	9.37		
1	Dibromomethane	7.49	-0.01	0.00	93	62035	9.44	9.44		
1	Methyl Methacrylate	7.57	-0.01	0.00	69	170635	31.80	31.8		
1	1,4-Dioxane	7.53	-0.01	0.00	88	21878**m**	333.85	334		
1	Bromodichloromethane	7.84	-0.01	0.00	83	146936	9.56	9.56		
1	2-Nitropropane	8.54	-0.01	0.00	43	22971	26.65	26.7		
1	2-Chloroethyl Vinyl Ether	8.62		0.00	63	48755	9.65	9.65		
1	cis-1,3-Dichloropropene	8.85		0.00	75	182155	9.73	9.73		
1	4-Methyl-2-pentanone (MIBK)	9.32		0.00	58	120456	45.21	45.2		
1	Toluene	9.48	-0.01	0.00	92	383057	9.19	9.19		
2	n-Octane	9.73	-0.01	0.00	85	230339	24.73	24.7		

U: Undetected at or above MDL
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E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040208\0402F005.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 17:39	**Quant Date:**	04/03/2008 15:15	**Vial:**	5
Run Type:	DLCS			**Dilution:**	1.0
Lab ID:	KWG0803087-5			**Soln Conc. Units:**	PPB

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
2	trans-1,3-Dichloropropene	10.26		0.00	75	135688	8.81	8.81		
2	Ethyl Methacrylate	10.42		0.00	69	348608	30.85	30.9		
2	1,1,2-Trichloroethane	10.58		0.00	83	78683	9.51	9.51		
2	Tetrachloroethene (PCE)	10.54		0.00	164	113927	9.21	9.21		
2	2-Hexanone	11.08		0.00	57	37643	46.85	46.9		
2	1,3-Dichloropropane	10.87		0.00	76	172248	9.62	9.62		
2	Dibromochloromethane	11.18		0.00	129	79834	9.76	9.76		
2	1,2-Dibromoethane (EDB)	11.33		0.00	107	86018	9.65	9.65		
2	1-Chlorohexane	12.12		0.00	91	186105	9.91	9.91		
2	Chlorobenzene	12.09		0.00	112	432827	9.30	9.30		
2	Ethylbenzene	12.25		0.00	106	230038	9.76	9.76		
2	1,1,1,2-Tetrachloroethane	12.26		0.00	131	106645	9.40	9.40		
2	m,p-Xylenes	12.44		0.00	106	581508	19.86	19.9		
2	o-Xylene	12.98	-0.01	0.00	106	277617	9.69	9.69		
2	Styrene	13.03		0.00	103	216823	9.98	9.98		
2	Bromoform	13.27		0.00	173	37413	9.21	9.21		
2	Isopropylbenzene	13.47		0.00	105	638806	9.02	9.02		
2	cis-1,4-Dichloro-2-butene	13.70		0.00	89	27307	28.23	28.2		
3	1,1,2,2-Tetrachloroethane	13.99		0.00	83	91889	10.44	10.4		
3	trans-1,4-Dichloro-2-butene	14.07		0.00	53	74851	30.35	30.4		
3	Bromobenzene	13.85		0.00	156	171775	9.72	9.72		
3	n-Propylbenzene	13.99		0.00	91	839266	10.08	10.1		
3	1,2,3-Trichloropropane	14.02		0.00	110	29719	9.13	9.13		
3	2-Chlorotoluene	14.10		0.00	91	546411	9.92	9.92		
3	1,3,5-Trimethylbenzene	14.23		0.00	105	574229	9.91	9.91		
3	4-Chlorotoluene	14.25		0.00	91	603860	9.74	9.74		
3	tert-Butylbenzene	14.59		0.00	119	506297	9.94	9.94		
3	1,2,4-Trimethylbenzene	14.67		0.00	105	577673	10.27	10.3		
3	sec-Butylbenzene	14.85		0.00	105	712356	10.45	10.5		
3	4-Isopropyltoluene	15.03	-0.01	0.00	119	581554	9.87	9.87		
3	1,3-Dichlorobenzene	14.99		0.00	146	345078	9.71	9.71		
3	1,4-Dichlorobenzene	15.11		0.00	146	346706	9.34	9.34		
3	n-Butylbenzene	15.50		0.00	91	489790	10.88	10.9		
3	1,2-Dichlorobenzene	15.52		0.00	146	307705	9.51	9.51		
3	1,2-Dibromo-3-chloropropane	16.42	-0.01	0.00	155	10156	11.14	11.1		
3	1,3,5-Trichlorobenzene	16.57		0.00	180	894612	39.01	39.0		
3	1,2,4-Trichlorobenzene	17.25	-0.01	0.00	180	176977	9.43	9.43		
3	Hexachlorobutadiene	17.39		0.00	225	89470	9.43	9.43		
3	Naphthalene	17.52		0.00	128	275661	10.78	10.8		
3	1,2,3-Trichlorobenzene	17.77		0.00	180	143711	9.84	9.84		
	1,1,2-Trifluoroethane				0	0		1.0	UJ	NR
	Bis(chloromethyl) Ether				0	0		1.0	UJ	NR

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P: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

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#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040208\0402F005.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 17:39	**Quant Date:**	04/03/2008 15:15	**Vial:**	5
Run Type:	DLCS			**Dilution:**	1.0
Lab ID:	KWG0803087-5			**Soln Conc. Units:**	PPB

Target Compounds

Final Conc. Units: ug/L

Parameter Name	RT	RT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1,1-Dichloropropane			0	0		1.0	UJ	NR
Cyclohexanone			0	0		4.0	UJ	NR

Prep Amount: 10 ml **Dilution:** 1.0
Prep Final Vol: 10 ml **Unit Factor:** 1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

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?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

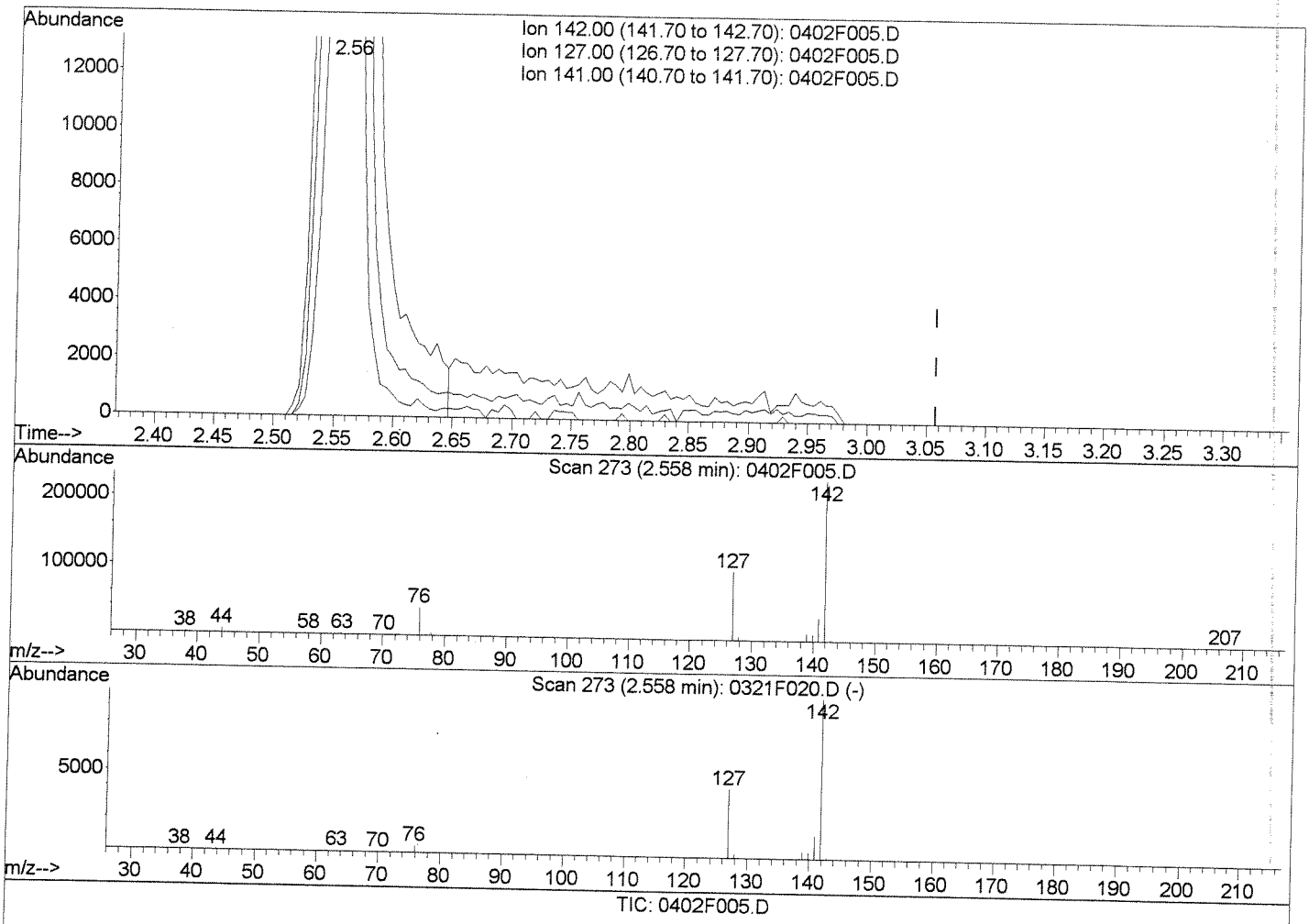
Quantitation Report (Qedit)

Data File : J:\MS13\DATA\040208\0402F005.D
Acq On : 2 Apr 2008 5:39 pm
Sample : 0402 DLCS W
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 15:12 2008

Vial: 5
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration



(14) Iodomethane (T)

2.56min 28.55PPB

response 401722

Ion	Exp%	Act%
142.00	100	100
127.00	43.00	42.92
141.00	14.30	14.53
0.00	0.00	0.00

0402F005.D 032108_8260W.M Thu Apr 03 15:15:13 2008

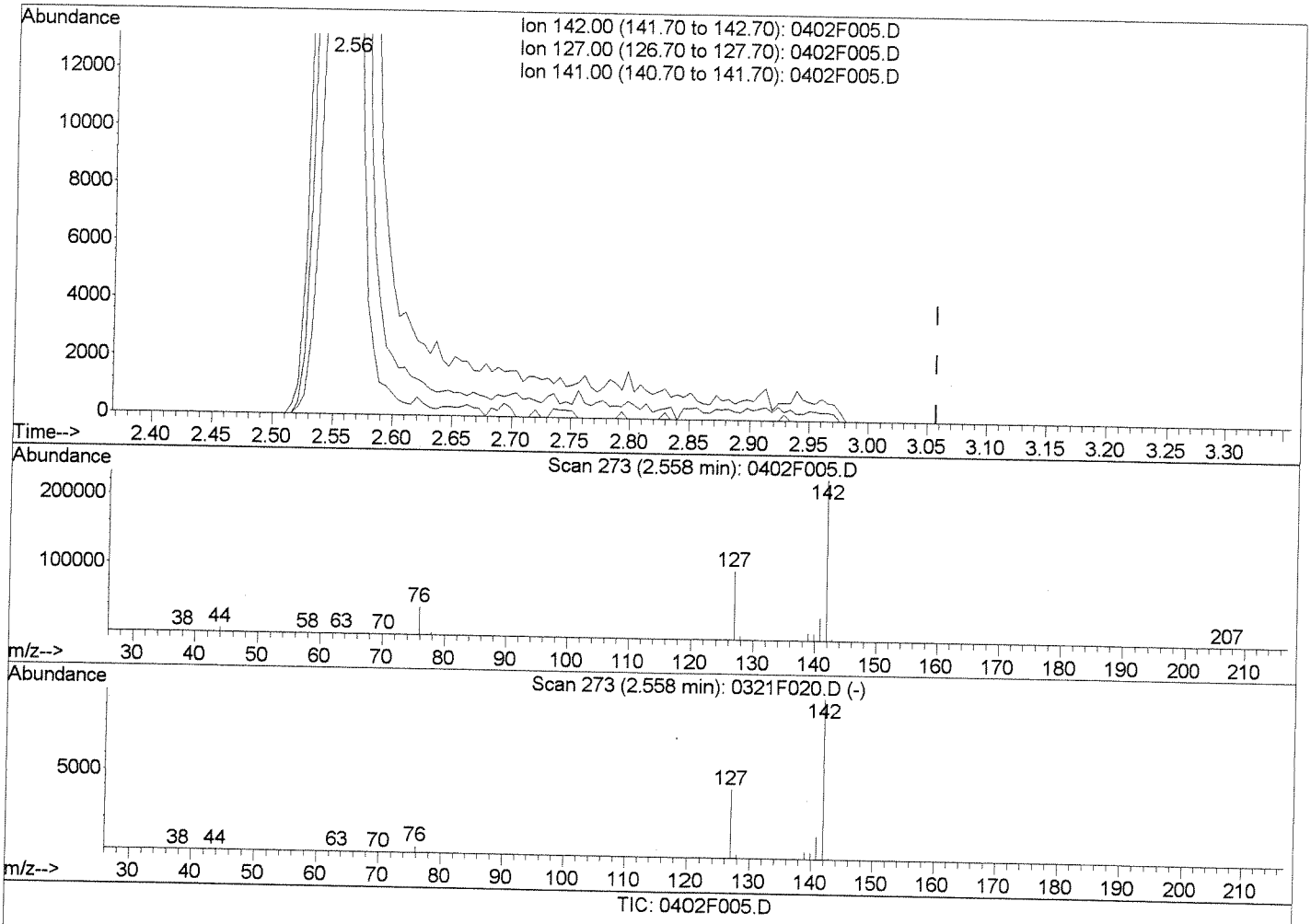
Quantitation Report (Qedit)

Data File : J:\MS13\DATA\040208\0402F005.D
Acq On : 2 Apr 2008 5:39 pm
Sample : 0402 DLCS W
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 15:15 2008

Vial: 5
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration



TIC: 0402F005.D

(14) Iodomethane (T)

2.56min 30.03PPB m

response 422512

Ion	Exp%	Act%
142.00	100	100
127.00	43.00	42.92
141.00	14.30	14.53
0.00	0.00	0.00

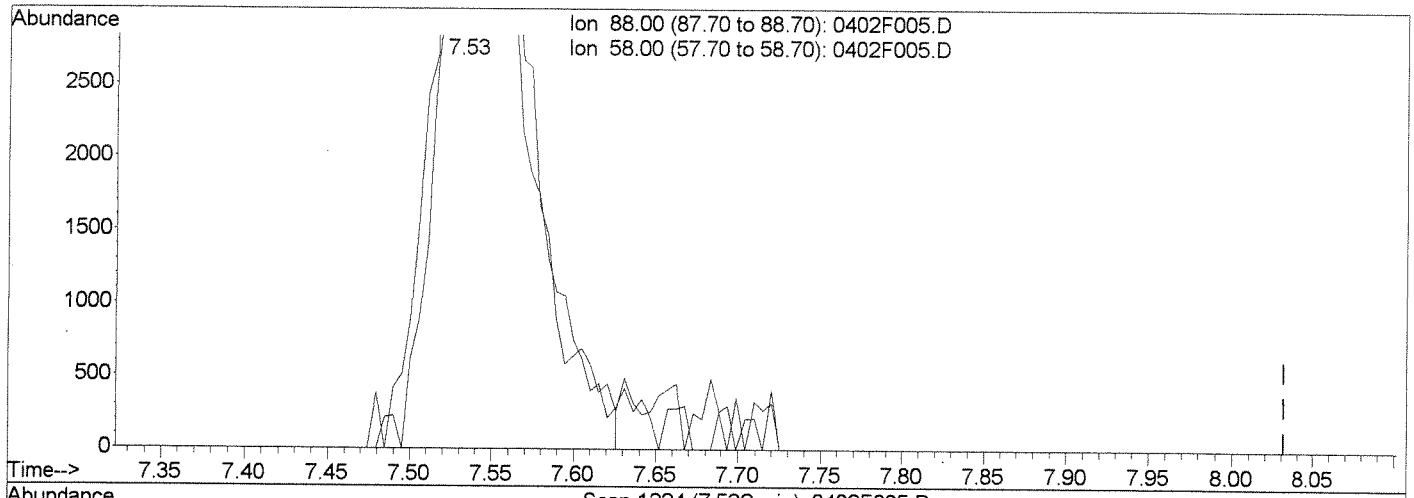
peak tailing
LB 413108

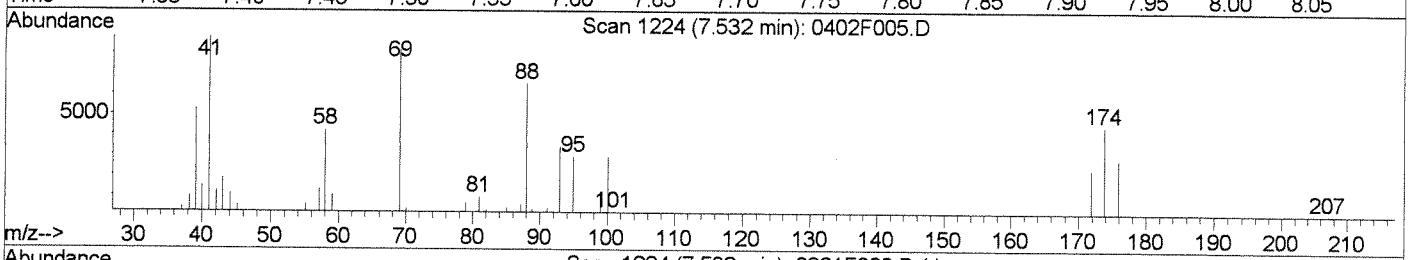
HC040408

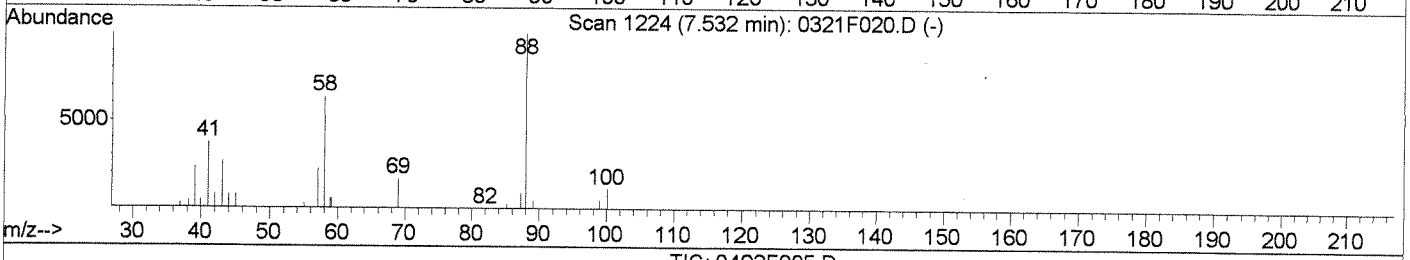
0402F005.D 032108_8260W.M Thu Apr 03 15:15:17 2008

Data File : J:\MS13\DATA\040208\0402F005.D Vial: 5
Acq On : 2 Apr 2008 5:39 pm Operator:
Sample : 0402 DLCS W Inst : MS13
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 3 15:15 2008 Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Single Level Calibration







TIC: 0402F005.D

(52) 1,4-Dioxane (T)

7.53min 323.57PPB

response 21204

Ion	Exp%	Act%
88.00	100	100
58.00	63.90	64.66
0.00	0.00	0.00
0.00	0.00	0.00

0402F005.D 032108_8260W.M Thu Apr 03 15:15:36 2008

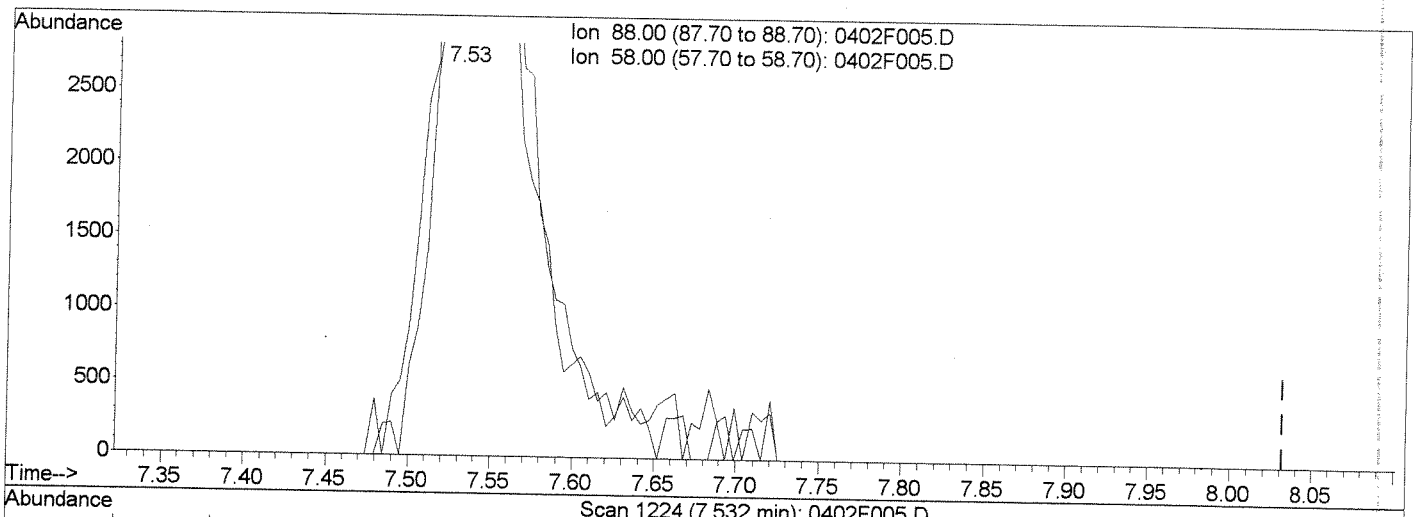
Quantitation Report (Qedit)

Data File : J:\MS13\DATA\040208\0402F005.D
Acq On : 2 Apr 2008 5:39 pm
Sample : 0402 DLCS W
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 15:15 2008

Vial: 5
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Single Level Calibration



TIC: 0402F005.D

(52) 1,4-Dioxane (T)

7.53min 333.85PPB m

response 21878

Ion	Exp%	Act%
88.00	100	100
58.00	63.90	64.66
0.00	0.00	0.00
0.00	0.00	0.00

NT

peak tailing

LC 413108

HL 040408

HL00

HL 040408

0402F005.D 032108_8260W.M Thu Apr 03 15:15:42 2008

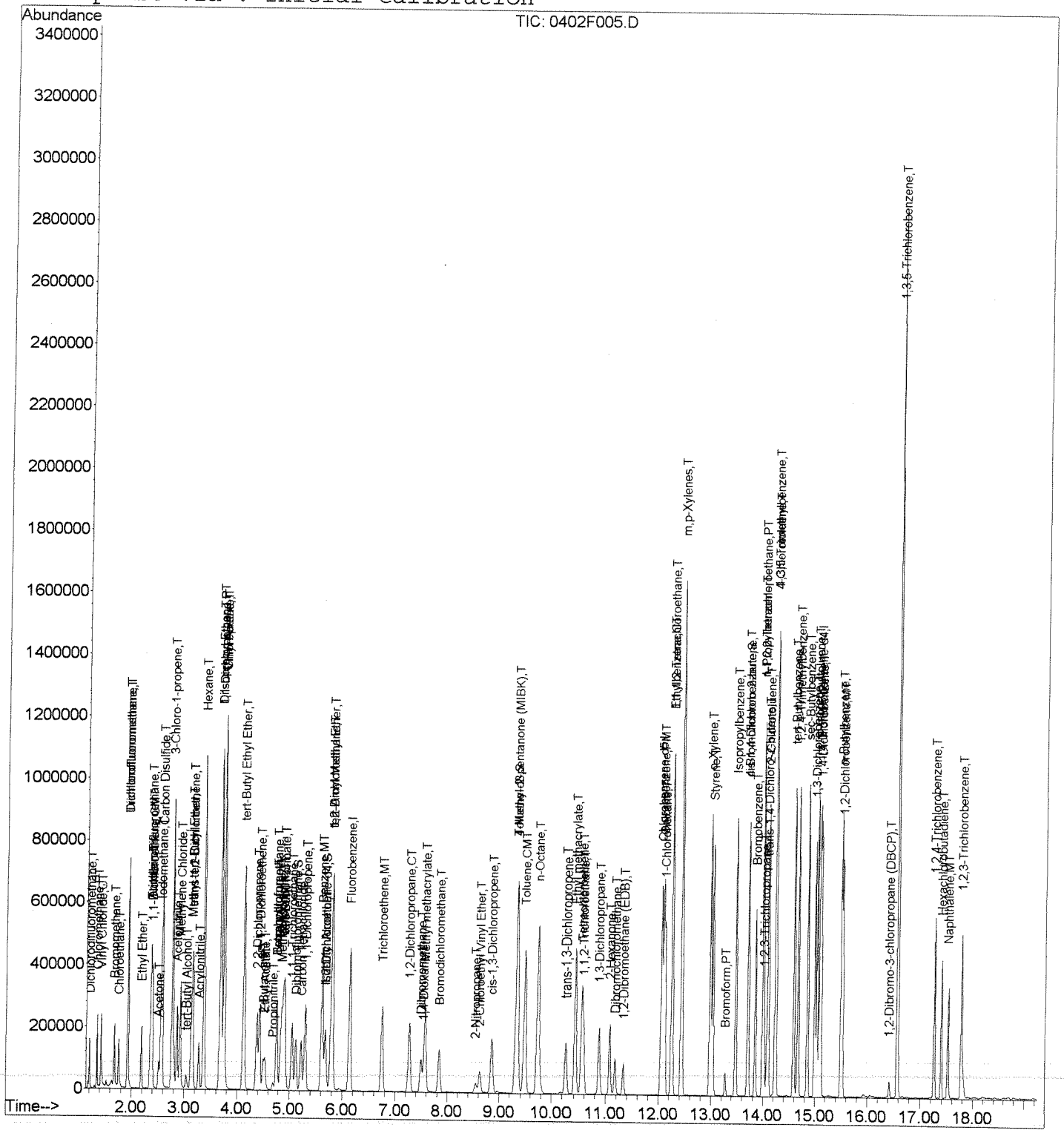
Quantitation Report (QT Reviewed)

Data File : J:\MS13\DATA\040208\0402F005.D
Acq On : 2 Apr 2008 5:39 pm
Sample : 0402 DLCS W
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 15:15 2008

Vial: 5
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Lab Control Sample	**Units:**	ug/L
Lab Code:	KWG0803135-3	**Basis:**	NA
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Dichlorodifluoromethane	**10.9**		0.50	0.17	1	04/03/08	04/03/08	KWG0803135	
Chloromethane	**8.95**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Vinyl Chloride	**8.64**		0.50	0.042	1	04/03/08	04/03/08	KWG0803135	
Bromomethane	**9.40**		0.50	0.22	1	04/03/08	04/03/08	KWG0803135	
Chloroethane	**8.56**		0.50	0.23	1	04/03/08	04/03/08	KWG0803135	
Trichlorofluoromethane	**9.40**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Acetone	**43.7**		20	4.1	1	04/03/08	04/03/08	KWG0803135	
1,1-Dichloroethene	**9.90**		0.50	0.13	1	04/03/08	04/03/08	KWG0803135	
Carbon Disulfide	**17.8**		0.50	0.16	1	04/03/08	04/03/08	KWG0803135	
Methylene Chloride	**9.10**		2.0	0.20	1	04/03/08	04/03/08	KWG0803135	
trans-1,2-Dichloroethene	**9.34**		0.50	0.15	1	04/03/08	04/03/08	KWG0803135	
1,1-Dichloroethane	**9.39**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
2-Butanone (MEK)	**48.7**		20	2.3	1	04/03/08	04/03/08	KWG0803135	
2,2-Dichloropropane	**9.67**		0.50	0.18	1	04/03/08	04/03/08	KWG0803135	
cis-1,2-Dichloroethene	**9.74**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
Chloroform	**9.96**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Bromochloromethane	**10.3**		0.50	0.17	1	04/03/08	04/03/08	KWG0803135	
1,1,1-Trichloroethane (TCA)	**9.62**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
1,1-Dichloropropene	**9.06**		0.50	0.15	1	04/03/08	04/03/08	KWG0803135	
Carbon Tetrachloride	**10.4**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,2-Dichloroethane (EDC)	**10.1**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
Benzene	**9.22**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Trichloroethene (TCE)	**9.57**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,2-Dichloropropane	**9.68**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
Bromodichloromethane	**10.4**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
Dibromomethane	**10.3**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
2-Hexanone	**50.4**		20	4.0	1	04/03/08	04/03/08	KWG0803135	
cis-1,3-Dichloropropene	**9.99**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
Toluene	**9.03**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
trans-1,3-Dichloropropene	**9.63**		0.50	0.090	1	04/03/08	04/03/08	KWG0803135	
1,1,2-Trichloroethane	**10.5**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
4-Methyl-2-pentanone (MIBK)	**44.6**		20	2.7	1	04/03/08	04/03/08	KWG0803135	
1,3-Dichloropropane	**10.4**		0.50	0.15	1	04/03/08	04/03/08	KWG0803135	

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Lab Control Sample
Lab Code: KWG0803135-3

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Tetrachloroethene (PCE)	**9.76**		0.50	0.13	1	04/03/08	04/03/08	KWG0803135	
Dibromochloromethane	**11.2**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
1,2-Dibromoethane (EDB)	**10.4**		2.0	0.099	1	04/03/08	04/03/08	KWG0803135	
Chlorobenzene	**9.56**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,1,1,2-Tetrachloroethane	**10.4**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
Ethylbenzene	**9.76**		0.50	0.13	1	04/03/08	04/03/08	KWG0803135	
m,p-Xylenes	**19.9**		0.50	0.22	1	04/03/08	04/03/08	KWG0803135	
o-Xylene	**9.92**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
Styrene	**10.1**		0.50	0.095	1	04/03/08	04/03/08	KWG0803135	
Bromoform	**10.5**		0.50	0.28	1	04/03/08	04/03/08	KWG0803135	
Isopropylbenzene	**9.19**		2.0	0.11	1	04/03/08	04/03/08	KWG0803135	
1,1,2,2-Tetrachloroethane	**11.1**		0.50	0.14	1	04/03/08	04/03/08	KWG0803135	
1,2,3-Trichloropropane	**11.1**		0.50	0.24	1	04/03/08	04/03/08	KWG0803135	
Bromobenzene	**10.0**		2.0	0.18	1	04/03/08	04/03/08	KWG0803135	
n-Propylbenzene	**10.2**		2.0	0.098	1	04/03/08	04/03/08	KWG0803135	
2-Chlorotoluene	**10.2**		2.0	0.12	1	04/03/08	04/03/08	KWG0803135	
4-Chlorotoluene	**10.2**		2.0	0.12	1	04/03/08	04/03/08	KWG0803135	
1,3,5-Trimethylbenzene	**10.3**		2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
tert-Butylbenzene	**10.2**		2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
1,2,4-Trimethylbenzene	**10.8**		2.0	0.15	1	04/03/08	04/03/08	KWG0803135	
sec-Butylbenzene	**10.5**		2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
1,3-Dichlorobenzene	**10.1**		0.50	0.11	1	04/03/08	04/03/08	KWG0803135	
4-Isopropyltoluene	**10.0**		2.0	0.13	1	04/03/08	04/03/08	KWG0803135	
1,4-Dichlorobenzene	**9.82**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
n-Butylbenzene	**10.9**		2.0	0.23	1	04/03/08	04/03/08	KWG0803135	
1,2-Dichlorobenzene	**10.2**		0.50	0.12	1	04/03/08	04/03/08	KWG0803135	
1,2-Dibromo-3-chloropropane	**11.0**		2.0	1.0	1	04/03/08	04/03/08	KWG0803135	
1,2,4-Trichlorobenzene	**10.3**		2.0	0.22	1	04/03/08	04/03/08	KWG0803135	
1,2,3-Trichlorobenzene	**10.4**		2.0	0.33	1	04/03/08	04/03/08	KWG0803135	
Naphthalene	**11.4**		2.0	0.29	1	04/03/08	04/03/08	KWG0803135	
Hexachlorobutadiene	**10.2**		2.0	0.28	1	04/03/08	04/03/08	KWG0803135	
1,3,5-Trichlorobenzene	**41.2**		5.0	0.35	1	04/03/08	04/03/08	KWG0803135	

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Lab Control Sample	**Units:**	ug/L
Lab Code:	KWG0803135-3	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	101	75-120	04/03/08	Acceptable
Toluene-d8	110	80-128	04/03/08	Acceptable
4-Bromofluorobenzene	105	75-117	04/03/08	Acceptable

Comments:

Exception Report

Data File: J:\MS13\DATA\040308\0403F004.D
Lab ID: KWG0803135-3
RunType: LCS
Matrix: WATER

Date Acquired: 04/03/2008 18:48
Date Quantitated: 04/03/2008 23:13
Batch ID: KWG0803131
Analysis Method: 8260B
MethodJoinID: MJ119

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA		x
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA		x
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA		x
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	1,4-Dioxane	0.0011	0.01	NA	NT
	Acetonitrile	0.0079	0.01	NA	
	tert-Butyl Alcohol	0.0075	0.01	NA	
	Isobutyl Alcohol	0.0031	0.01	NA	
Second Source ICAL Verification	tert-Butyl Formate	40.5	NA	30	
Continuing Calibration Recovery	Tetrahydrofuran	299.5	NA	30	
Continuing Calibration Minimum RF	1,4-Dioxane	0.0011	0.01	NA	
	Acetonitrile	0.0075	0.01	NA	
	tert-Butyl Alcohol	0.0066	0.01	NA	
	Isobutyl Alcohol	0.0027	0.01	NA	
Std MRL Unsupported by ICAL	2-Nitropropane	6.3	5.0	NA	

Primary Review: LG 4/4/08

Secondary Review: HL 04.07.08

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8260B VOC_UNP	**Collect Date:**		**Receive Date:**	04/04/2008

Analysis Lot:	KWG0803131	**Prep Lot:**	KWG0803135	**Report Group:**	
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	699293	**Prep Date:**	04/03/2008		

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:			
Tune Ref:	J:\MS13\DATA\040308\0403F002.D		
MB Ref:	J:\MS13\DATA\040308\0403F008.D	**Method ID:**	MJ119
		Quant based on Method	

Data File:	J:\MS13\DATA\040308\0403F004.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 18:48	**Quant Date:**	04/03/2008 23:13	**Vial:**	4
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG0803135-3			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	6.14	0.00	96	525422	10.00	OK
2	Chlorobenzene-d5	12.05	0.00	82	224731	10.00	OK
3	1,4-Dichlorobenzene-d4	15.08	0.00	152	210588	10.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	Dibromofluoromethane	5.13	0.00	0.00	113	117099	10.09	101	75-120	OK	
1	1,2-Dichloroethane-d4	5.68	0.00	0.00	65	135127	9.43	94	62-121	OK	
1	Toluene-d8	9.33	-0.01	0.00	98	553393	10.97	110	80-128	OK	
2	4-Bromofluorobenzene	13.71	0.00	0.00	95	210566	10.51	105	75-117	OK	

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane	1.20		0.00	85	140626	10.88	10.9		
1	Chloromethane	1.34		0.00	50	141976	8.95	8.95		
1	Vinyl Chloride	1.42		0.00	62	135214	8.64	8.64		
1	Bromomethane	1.67	-0.01	0.00	96	85402	9.40	9.40		
1	Chloroethane	1.76		0.00	64	85499	8.56	8.56		
1	Dichlorofluoromethane (CFC 21	1.94		0.00	67	295641	11.71	11.7		
1	Trichlorofluoromethane	1.93	-0.01	0.00	101	190937	9.40	9.40		
1	Ethyl Ether	2.19		0.00	59	79149	9.52	9.52		
1	Acrolein	2.37		0.00	56	117846	106.23	106		
1	Trichlorotrifluoroethane	2.36		0.00	151	84885	8.67	8.67		
1	1,1-Dichloroethene	2.40		0.00	96	102456	9.90	9.90		
1	Acetone	2.52		0.00	43	79612	43.71	43.7		
1	Iodomethane	2.56		0.00	142	387202m	30.73	30.7		
1	Carbon Disulfide	2.58		0.00	76	666468	17.77	17.8		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F004.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 18:48	**Quant Date:**	04/03/2008 23:13	**Vial:**	4
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG0803135-3			**Soln Conc. Units:**	PPB

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	3-Chloro-1-propene	2.77		0.00	76	185030	28.02	28.0		
1	Acetonitrile	2.86		0.00	40	122466	295.04	295		
1	Methylene Chloride	2.92	-0.01	0.00	84	133635	9.10	9.10		
1	tert-Butyl Alcohol	3.04		0.00	59	39539	100.51	101		
1	Acrylonitrile	3.27		0.00	53	97060	41.09	41.1		
1	Methyl tert-Butyl Ether	3.13		0.00	73	266234	10.01	10.0		
1	trans-1,2-Dichloroethene	3.15		0.00	96	117582	9.34	9.34		
1	n-Hexane	3.36		0.00	57	481838	26.74	26.7		
1	Diisopropyl Ether	3.68		0.00	45	727487	19.63	19.6		
1	1,1-Dichloroethane	3.68		0.00	63	219334	9.39	9.39		
1	Vinyl Acetate	3.74		0.00	86	49730	27.89	27.9		
1	Chloroprene	3.74		0.00	53	581834	30.26	30.3		
1	tert-Butyl Ethyl Ether	4.13		0.00	59	647581	19.62	19.6		
1	2,2-Dichloropropane	4.38		0.00	77	168702	9.67	9.67		
1	cis-1,2-Dichloroethene	4.43		0.00	96	136461	9.74	9.74		
1	2-Butanone (MEK)	4.50		0.00	72	33379	48.66	48.7		
1	Propionitrile	4.70		0.00	54	25538	30.33	30.3		
1	Ethyl Acetate	4.53		0.00	61	17641	23.77	23.8		
1	Methacrylonitrile	4.85		0.00	67	89782	31.39	31.4		
1	Bromochloromethane	4.76		0.00	128	60678	10.28	10.3		
1	Tetrahydrofuran	4.77		0.00	71	33470	55.90	55.9		
1	Chloroform	4.88	-0.01	0.00	83	224677	9.96	9.96		
1	tert-Butyl Formate	4.91		0.00	59	126122	26.09	26.1		
1	1,1,1-Trichloroethane (TCA)	5.05		0.00	97	176144	9.62	9.62		
1	Carbon Tetrachloride	5.24	0.01	0.00	117	132317	10.41	10.4		
1	1,1-Dichloropropene	5.30		0.00	75	161540	9.06	9.06		
1	Isobutyl Alcohol	5.69		0.00	43	46359	286.64	287		
1	Benzene	5.62		0.00	78	507257	9.22	9.22		
1	1,2-Dichloroethane (EDC)	5.81	0.01	0.00	62	167440	10.10	10.1		
1	tert-Amyl Methyl Ether	5.80		0.00	55	157416	20.52	20.5		
1	Trichloroethene (TCE)	6.75		0.00	95	124223	9.57	9.57		
1	1,2-Dichloropropane	7.27		0.00	63	119848	9.68	9.68		
1	Dibromomethane	7.50		0.00	93	60798	10.33	10.3		
1	Methyl Methacrylate	7.57		0.00	69	151871	31.61	31.6		
1	1,4-Dioxane	7.54		0.00	88	18975	323.32	323		
1	Bromodichloromethane	7.85		0.00	83	143490	10.43	10.4		
1	2-Nitropropane	8.54	-0.01	0.00	43	22250	28.82	28.8		
1	2-Chloroethyl Vinyl Ether	8.63	0.01	0.00	63	46012	10.17	10.2		
1	cis-1,3-Dichloropropene	8.85		0.00	75	167510	9.99	9.99		
1	4-Methyl-2-pentanone (MIBK)	9.33	0.01	0.00	58	106427	44.61	44.6		
1	Toluene	9.49		0.00	92	336961	9.03	9.03		
2	n-Octane	9.73		0.00	85	189996	23.29	23.3		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F004.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 18:48	**Quant Date:**	04/03/2008 23:13	**Vial:**	4
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG0803135-3			**Soln Conc. Units:**	PPB

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
2	trans-1,3-Dichloropropene	10.26		0.00	75	129897	9.63	9.63		
2	Ethyl Methacrylate	10.42		0.00	69	313883	31.71	31.7		
2	1,1,2-Trichloroethane	10.58		0.00	83	75849	10.46	10.5		
2	Tetrachloroethene (PCE)	10.55		0.00	164	105773	9.76	9.76		
2	2-Hexanone	11.08		0.00	57	35473	50.41	50.4		
2	1,3-Dichloropropane	10.87		0.00	76	163227	10.41	10.4		
2	Dibromochloromethane	11.18		0.00	129	79937	11.15	11.2		
2	1,2-Dibromoethane (EDB)	11.33		0.00	107	81534	10.44	10.4		
2	1-Chlorohexane	12.12		0.00	91	159429	9.69	9.69		
2	Chlorobenzene	12.09		0.00	112	389723	9.56	9.56		
2	Ethylbenzene	12.25		0.00	106	201498	9.76	9.76		
2	1,1,1,2-Tetrachloroethane	12.26		0.00	131	103708	10.44	10.4		
2	m,p-Xylenes	12.44		0.00	106	509930	19.88	19.9		
2	o-Xylene	12.98	-0.01	0.00	106	249005	9.92	9.92		
2	Styrene	13.03		0.00	103	192731	10.13	10.1		
2	Bromoform	13.27		0.00	173	37385	10.50	10.5		
2	Isopropylbenzene	13.47		0.00	105	569637	9.19	9.19		
2	cis-1,4-Dichloro-2-butene	13.70		0.00	89	28073	33.13	33.1		
3	1,1,2,2-Tetrachloroethane	13.99		0.00	83	85159	11.05	11.1		
3	trans-1,4-Dichloro-2-butene	14.07		0.00	53	73886	34.21	34.2		
3	Bromobenzene	13.85	-0.01	0.00	156	155043	10.02	10.0		
3	n-Propylbenzene	14.00		0.00	91	745399	10.22	10.2		
3	1,2,3-Trichloropropane	14.02		0.00	110	31604	11.09	11.1		
3	2-Chlorotoluene	14.10		0.00	91	491550	10.19	10.2		
3	1,3,5-Trimethylbenzene	14.23		0.00	105	522978	10.31	10.3		
3	4-Chlorotoluene	14.25		0.00	91	554368	10.22	10.2		
3	tert-Butylbenzene	14.59		0.00	119	456005	10.22	10.2		
3	1,2,4-Trimethylbenzene	14.67		0.00	105	529223	10.75	10.8		
3	sec-Butylbenzene	14.85		0.00	105	627832	10.52	10.5		
3	4-Isopropyltoluene	15.04		0.00	119	517416	10.03	10.0		
3	1,3-Dichlorobenzene	14.99		0.00	146	314886	10.12	10.1		
3	1,4-Dichlorobenzene	15.11		0.00	146	319222	9.82	9.82		
3	n-Butylbenzene	15.50		0.00	91	430095	10.91	10.9		
3	1,2-Dichlorobenzene	15.52	-0.01	0.00	146	287589	10.15	10.2		
3	1,2-Dibromo-3-chloropropane	16.42		0.00	155	8768	10.98	11.0		
3	1,3,5-Trichlorobenzene	16.57		0.00	180	827225	41.19	41.2		
3	1,2,4-Trichlorobenzene	17.26	0.01	0.00	180	168474	10.25	10.3		
3	Hexachlorobutadiene	17.39		0.00	225	84874	10.21	10.2		
3	Naphthalene	17.52		0.00	128	254782	11.38	11.4		
3	1,2,3-Trichlorobenzene	17.77		0.00	180	132622	10.37	10.4		
	1,1,2-Trifluoroethane				0	0		1.0	UJ	NR
	Bis(chloromethyl) Ether				0	0		1.0	UJ	NR

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F004.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 18:48	**Quant Date:**	04/03/2008 23:13	**Vial:**	4
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG0803135-3			**Soln Conc. Units:**	PPB

Target Compounds

Final Conc. Units: ug/L

Parameter Name	RT	RT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1,1-Dichloropropane			0	0		1.0	UJ	NR
Cyclohexanone			0	0		4.0	UJ	NR

Prep Amount: 10 ml **Dilution:** 1.0
Prep Final Vol: 10 ml **Unit Factor:** 1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

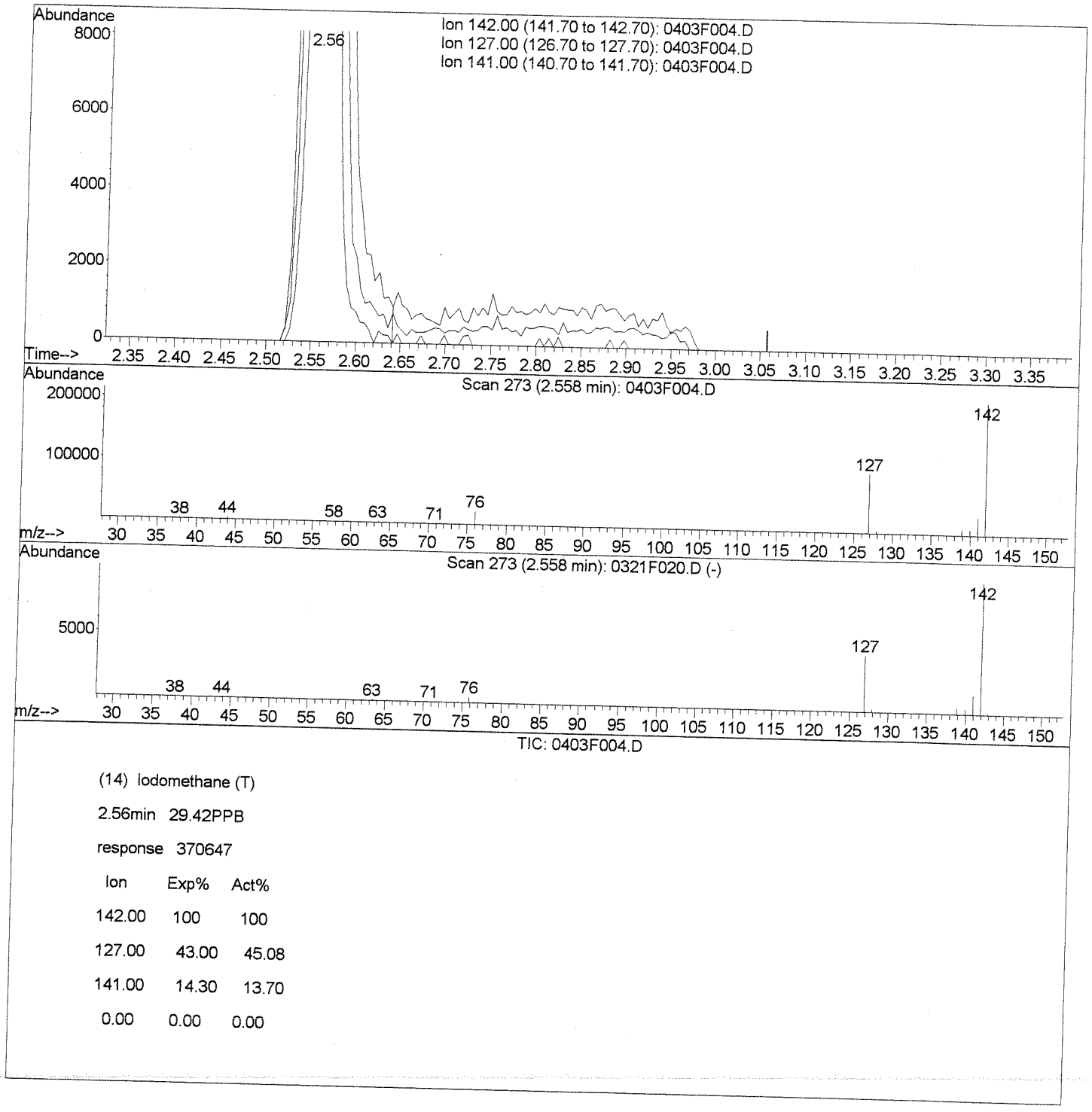
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\MS13\DATA\040308\0403F004.D
Acq On : 3 Apr 2008 6:48 pm
Sample : 0403 LCS W
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 23:12 2008

Vial: 4
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration



(14) Iodomethane (T)

2.56min 29.42PPB

response 370647

Ion	Exp%	Act%
142.00	100	100
127.00	43.00	45.08
141.00	14.30	13.70
0.00	0.00	0.00

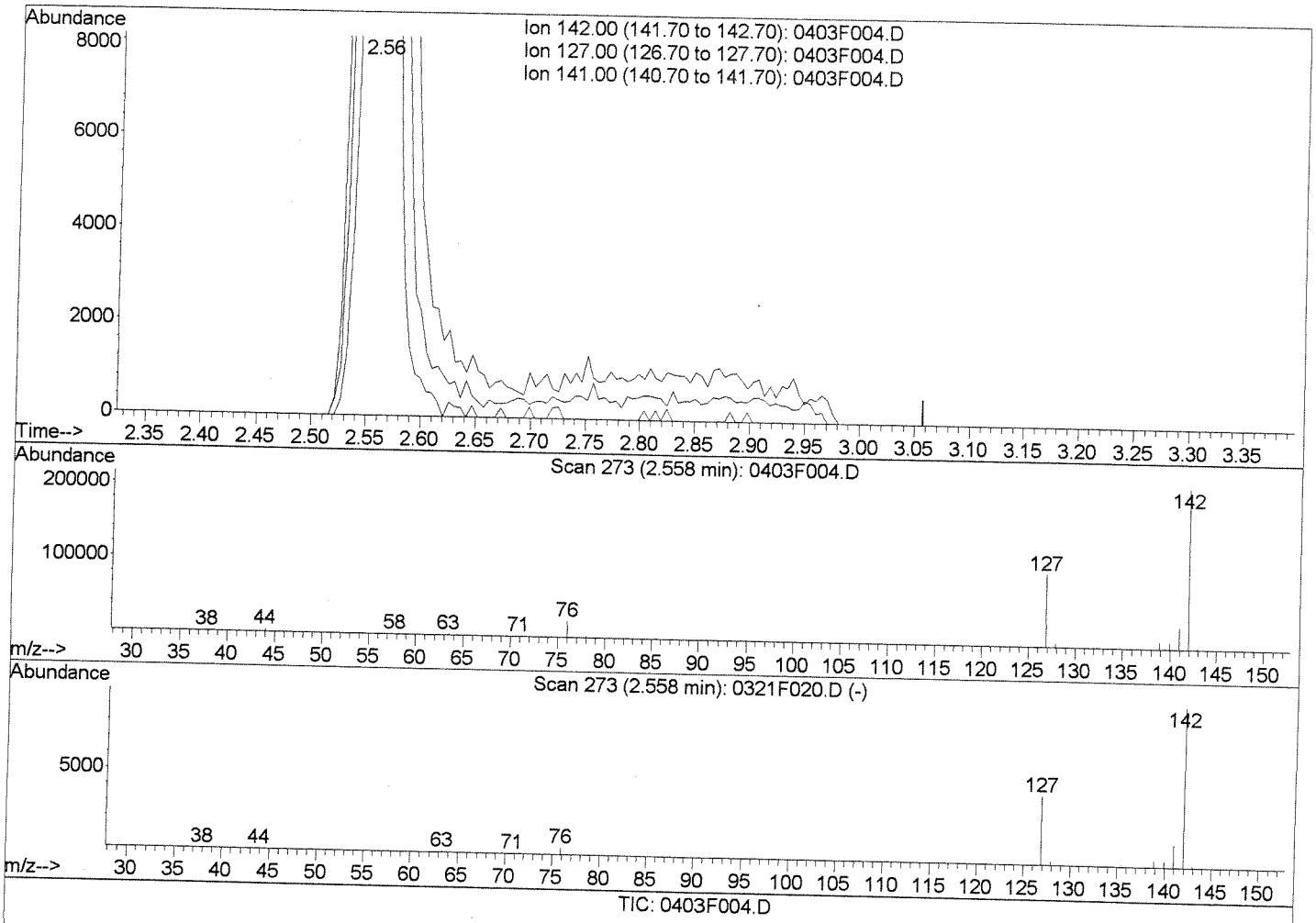
Quantitation Report (Qedit)

Data File : J:\MS13\DATA\040308\0403F004.D
Acq On : 3 Apr 2008 6:48 pm
Sample : 0403 LCS W
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 23:13 2008

Vial: 4
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration



(14) Iodomethane (T)

2.56min 30.73PPB m

response 387202

Ion	Exp%	Act%
142.00	100	100
127.00	43.00	45.08
141.00	14.30	13.70
0.00	0.00	0.00

peak tailing
KS 4/4/08

HC040708

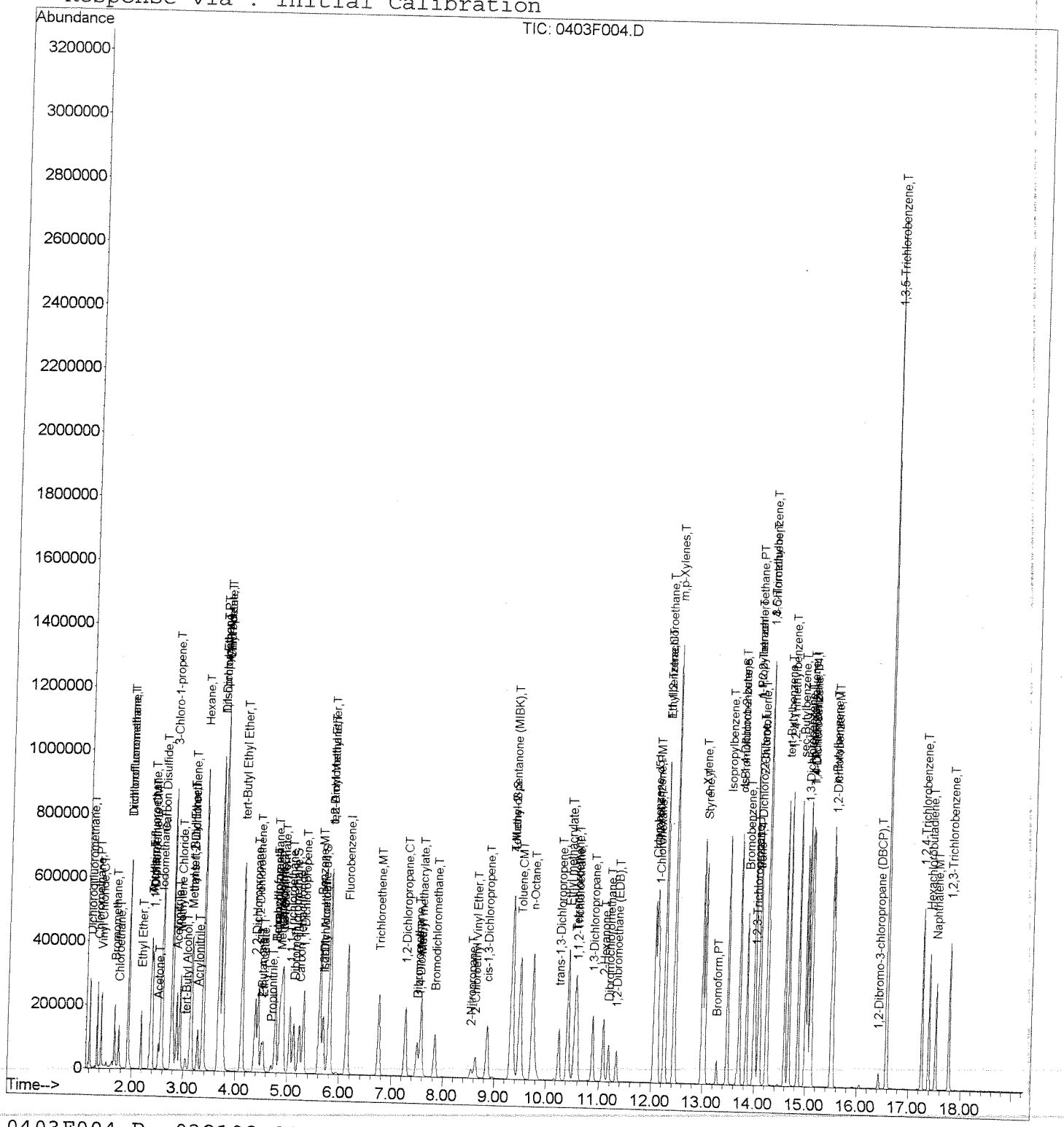
0403F004.D 032108_8260W.M Thu Apr 03 23:13:19 2008

Data File : J:\MS13\DATA\040308\0403F004.D
Acq On : 3 Apr 2008 6:48 pm
Sample : 0403 LCS W
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 23:13 2008

Vial: 4
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration



Organic Analysis:
Volatile Organic Compounds

Validation Package

Standards Data

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/02/2008
Time Analyzed: 15:59

Tune Summary
Volatile Organic Compounds

File ID: J:\MS13\DATA\040208\0402F002.D
Instrument ID: MS13
Column:

Analysis Method: 8260B
Analysis Lot: KWG0803086

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	17.9	12760	PASS
75	95	30	60	47.1	33506	PASS
95	95	100	100	100.0	71133	PASS
96	95	5	9	6.9	4897	PASS
173	174	0	2	0.2	107	PASS
174	95	50	120	77.0	54800	PASS
175	174	5	9	7.2	3928	PASS
176	174	95	101	95.7	52432	PASS
177	176	5	9	6.2	3234	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG0803086-2	J:\MS13\DATA\040208\0402F003.D	04/02/2008	16:35	
Lab Control Sample	KWG0803087-3	J:\MS13\DATA\040208\0402F004.D	04/02/2008	17:12	
Duplicate Lab Control Sample	KWG0803087-5	J:\MS13\DATA\040208\0402F005.D	04/02/2008	17:39	
Method Blank	KWG0803087-4	J:\MS13\DATA\040208\0402F010.D	04/02/2008	19:58	
KEP-GW-011A-003	K0802637-001	J:\MS13\DATA\040208\0402F013.D	04/02/2008	21:20	
Duplicate 1	K0802637-002	J:\MS13\DATA\040208\0402F014.D	04/02/2008	21:48	
KEP-GW-010A-003	K0802637-003	J:\MS13\DATA\040208\0402F015.D	04/02/2008	22:15	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Exception Report

Data File: J:\MS13\DATA\040208\0402F002.D
Lab ID: KWG0803086-1
RunType: TUNE
Matrix: WATER

Date Acquired: 04/02/2008 15:59
Date Quantitated:
Batch ID: KWG0803086
Analysis Method: 8260B
ListJoinID: LJ6804

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Ion Ratio	NA	NA	NA	x	

Primary Review: LB 4/3/08

Secondary Review: HC 040408

Printed: 04/03/2008 16:46:00
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8260B	**Collect Date:**		**Receive Date:**	04/03/2008

Analysis Lot:	KWG0803086	**Prep Lot:**		**Report Group:**	
Analysis Method:	BFB	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:	GC/MS Tuning Evaluation	**Report List ID:**	LJ774
Tune Ref:		**Method ID:**	MJ159
MB Ref:		**Quant based on Report List**	

Data File:	J:\MS13\DATA\040208\0402F002.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 15:59	**Quant Date:**		**Vial:**	2
Run Type:	TUNE			**Dilution:**	1.0
Lab ID:	KWG0803086-1			**Soln Conc. Units:**	

Tune Results

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	17.9	12760	Pass
75	95	30	60	47.1	33506	Pass
95	95	100	100	100.0	71133	Pass
96	95	5	9	6.9	4897	Pass
173	174	0	2	0.2	107	Pass
174	95	50	120	77.0	54800	Pass
175	174	5	9	7.2	3928	Pass
176	174	95	101	95.7	52432	Pass
177	176	5	9	6.2	3234	Pass

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

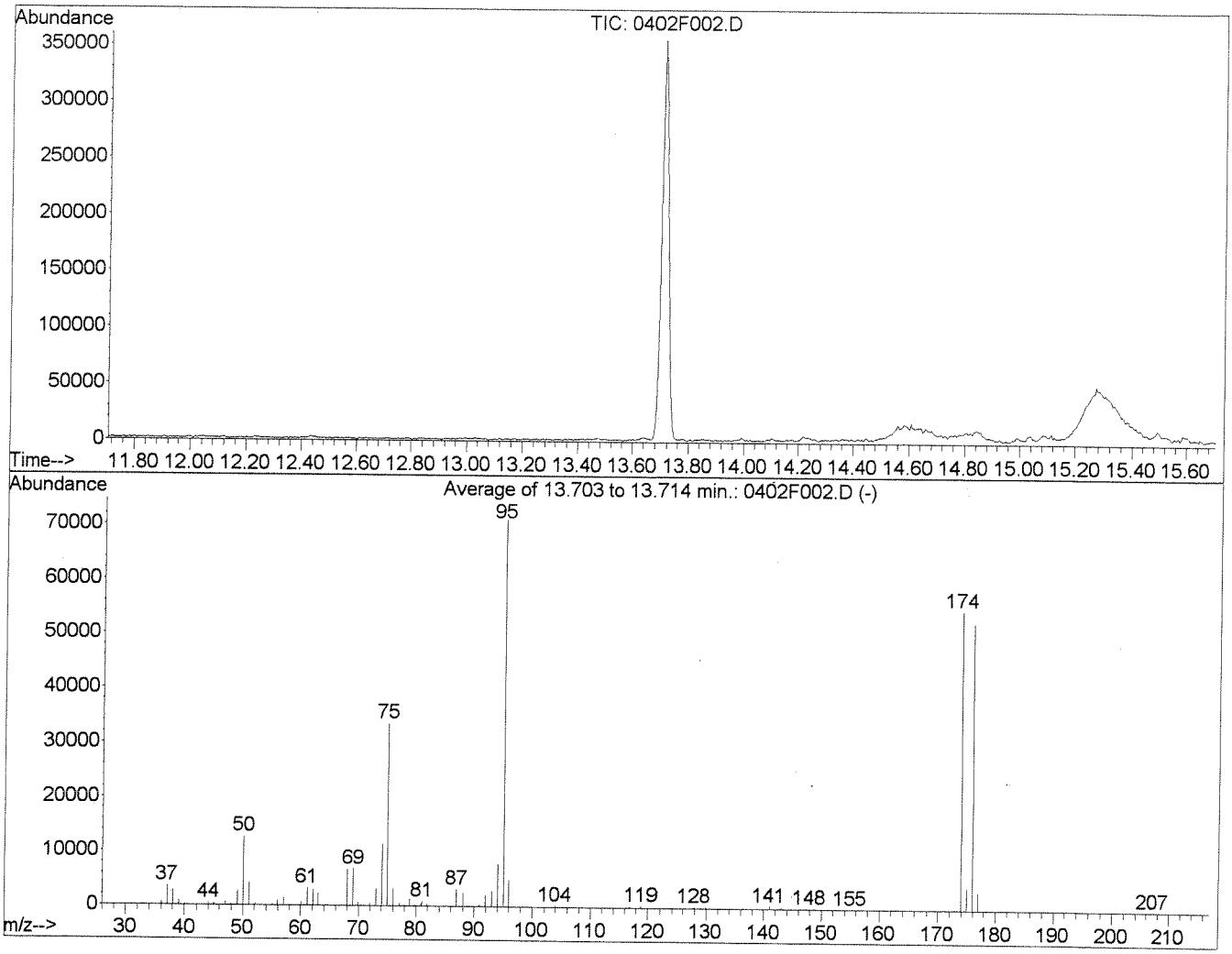
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

BFB

Data File : J:\MS13\DATA\040208\0402F002.D
Acq On : 2 Apr 2008 3:59 pm
Sample : 50ng BFB
Misc :
MS Integration Params: rteint.p
Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B

Vial: 2
Operator:
Inst : MS13
Multiplr: 1.00



AutoFind: Scans 2404, 2405, 2406; Background Corrected with Scan 2395

LC 4/3/08

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.9	12760	PASS
75	95	30	60	47.1	33506	PASS
95	95	100	100	100.0	71133	PASS
96	95	5	9	6.9	4897	PASS
173	174	0.00	2	0.2	107	PASS
174	95	50	120	77.0	54800	PASS
175	174	5	9	7.2	3928	PASS
176	174	95	101	95.7	52432	PASS
177	176	5	9	6.2	3234	PASS

H040408

0402F002.D 032108_8260W.M Thu Apr 03 15:10:49 2008

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/03/2008
Time Analyzed: 17:34

Tune Summary
Volatile Organic Compounds

File ID: J:\MS13\DATA\040308\0403F002.D
Instrument ID: MS13
Column:

Analysis Method: 8260B
Analysis Lot: KWG0803131

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	18.6	9181	PASS
75	95	30	60	50.3	24784	PASS
95	95	100	100	100.0	49312	PASS
96	95	5	9	6.7	3306	PASS
173	174	0	2	0.4	156	PASS
174	95	50	120	81.4	40149	PASS
175	174	5	9	6.7	2686	PASS
176	174	95	101	96.1	38602	PASS
177	176	5	9	6.7	2568	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG0803131-2	J:\MS13\DATA\040308\0403F003.D	04/03/2008	18:12	
Lab Control Sample	KWG0803135-3	J:\MS13\DATA\040308\0403F004.D	04/03/2008	18:48	
Batch QCMS	KWG0803135-1	J:\MS13\DATA\040308\0403F005.D	04/03/2008	19:16	
Batch QCDMS	KWG0803135-2	J:\MS13\DATA\040308\0403F006.D	04/03/2008	19:44	
Method Blank	KWG0803135-4	J:\MS13\DATA\040308\0403F008.D	04/03/2008	20:39	
KEP-GW-011A-003	K0802637-001	J:\MS13\DATA\040308\0403F011.D	04/03/2008	22:02	
Duplicate 1	K0802637-002	J:\MS13\DATA\040308\0403F012.D	04/03/2008	22:29	
Batch QC	K0802870-003	J:\MS13\DATA\040308\0403F019.D	04/04/2008	01:42	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Exception Report

Data File: J:\MS13\DATA\040308\0403F002.D
Lab ID: KWG0803131-1
RunType: TUNE
Matrix: WATER

Date Acquired: 04/03/2008 17:34
Date Quantitated:
Batch ID: KWG0803131
Analysis Method: 8260B
ListJoinID: LJ800

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Ion Ratio	NA	NA	NA	x	

Primary Review: LB 4/4/08

Secondary Review: HZ 04/07/08

Printed: 04/04/2008 16:47:17
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8260B	**Collect Date:**		**Receive Date:**	04/04/2008

Analysis Lot:	KWG0803131	**Prep Lot:**		**Report Group:**	
Analysis Method:	BFB	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:	GC/MS Tuning Evaluation	**Report List ID:**	LJ774
Tune Ref:		**Method ID:**	MJ159
MB Ref:		**Quant based on Report List**	

Data File:	J:\MS13\DATA\040308\0403F002.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 17:34	**Quant Date:**		**Vial:**	2
Run Type:	TUNE			**Dilution:**	1.0
Lab ID:	KWG0803131-1			**Soln Conc. Units:**	

Tune Results

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	18.6	9181	Pass
75	95	30	60	50.3	24784	Pass
95	95	100	100	100.0	49312	Pass
96	95	5	9	6.7	3306	Pass
173	174	0	2	0.4	156	Pass
174	95	50	120	81.4	40149	Pass
175	174	5	9	6.7	2686	Pass
176	174	95	101	96.1	38602	Pass
177	176	5	9	6.7	2568	Pass

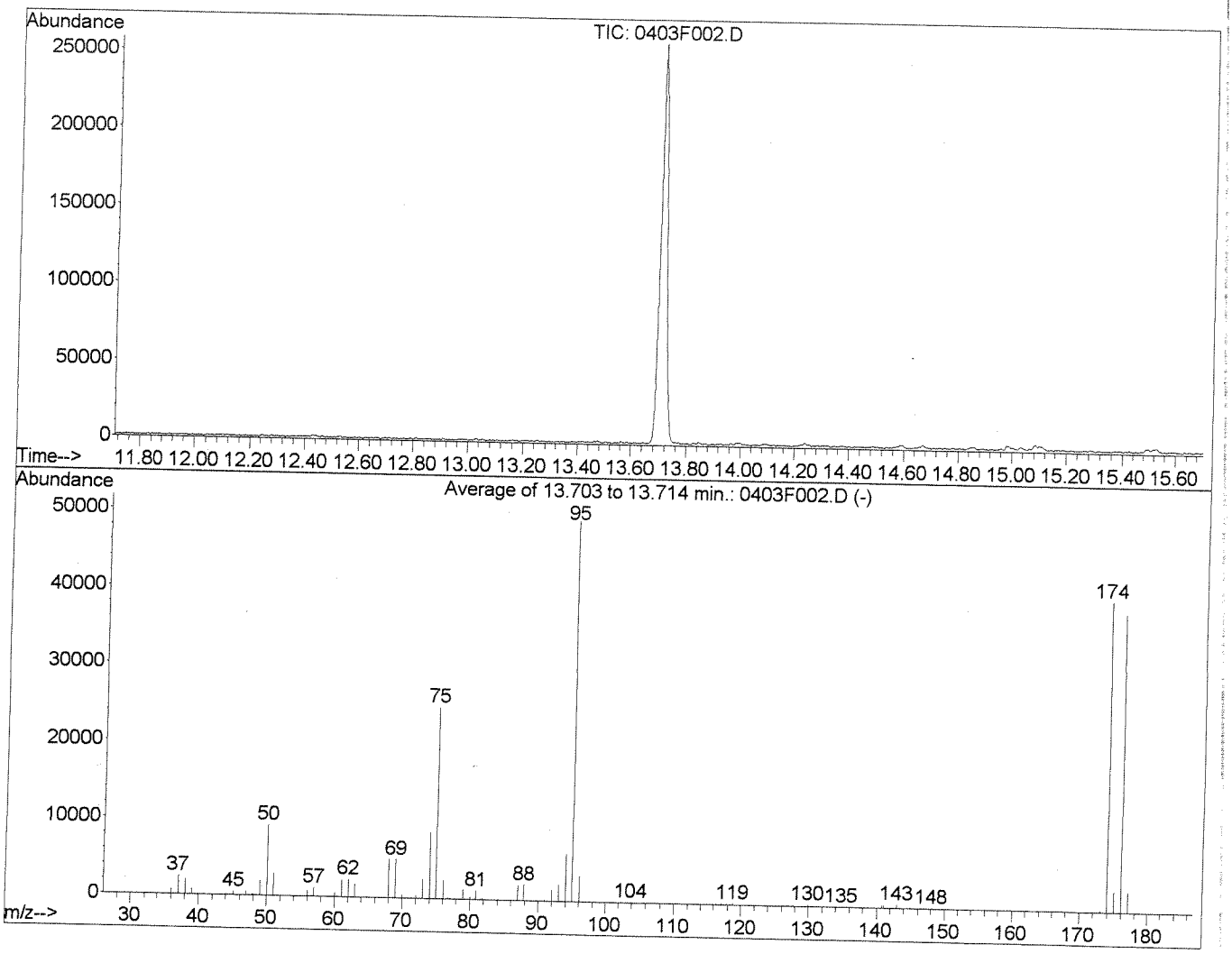
U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\MS13\DATA\040308\0403F002.D
Acq On : 3 Apr 2008 5:34 pm
Sample : 50ng BFB
Misc :
MS Integration Params: rteint.p
Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B

Vial: 2
Operator:
Inst : MS13
Multiplr: 1.00



AutoFind: Scans 2404, 2405, 2406; Background Corrected with Scan 2396

KB 4/4/08

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.6	9181	PASS
75	95	30	60	50.3	24784	PASS
95	95	100	100	100.0	49312	PASS
96	95	5	9	6.7	3306	PASS
173	174	0.00	2	0.4	156	PASS
174	95	50	120	81.4	40149	PASS
175	174	5	9	6.7	2686	PASS
176	174	95	101	96.1	38602	PASS
177	176	5	9	6.7	2568	PASS

0403F002.D 032108_8260W.M Thu Apr 03 23:10:35 2008

H040708

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS13\DATA\032108\0321F013.D	G	J:\MS13\DATA\032108\0321F019.D
B	J:\MS13\DATA\032108\0321F014.D	H	J:\MS13\DATA\032108\0321F020.D
C	J:\MS13\DATA\032108\0321F015.D	I	J:\MS13\DATA\032108\0321F021.D
D	J:\MS13\DATA\032108\0321F016.D	J	J:\MS13\DATA\032108\0321F022.D
E	J:\MS13\DATA\032108\0321F017.D	K	J:\MS13\DATA\032108\0321F023.D
F	J:\MS13\DATA\032108\0321F018.D		

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Dichlorodifluoromethane	A	0.10	0.301	B	0.20	0.201	C	0.30	0.290	D	0.50	0.246	E	1.3	0.222
	F	2.0	0.240	G	5.0	0.212	H	10	0.234	I	20	0.252	J	40	0.234
	K	80	0.272												
† Chloromethane				B	0.20	0.299	C	0.30	0.363	D	0.50	0.332	E	1.3	0.293
	F	2.0	0.290	G	5.0	0.272	H	10	0.287	I	20	0.301	J	40	0.280
	K	80	0.299												
‡ Vinyl Chloride	A	0.10	0.336	B	0.20	0.268	C	0.30	0.346	D	0.50	0.304	E	1.3	0.277
	F	2.0	0.281	G	5.0	0.266	H	10	0.281	I	20	0.305	J	40	0.287
	K	80	0.328												
Bromomethane				B	0.20	0.185	C	0.30	0.180	D	0.50	0.149	E	1.3	0.159
	F	2.0	0.161	G	5.0	0.167	H	10	0.172	I	20	0.185	J	40	0.176
	K	80	0.196												
Chloroethane				B	0.20	0.182	C	0.30	0.220	D	0.50	0.190	E	1.3	0.190
	F	2.0	0.186	G	5.0	0.174	H	10	0.182	I	20	0.193	J	40	0.181
	K	80	0.202												
Trichlorofluoromethane	A	0.10	0.433	B	0.20	0.313	C	0.30	0.432	D	0.50	0.367	E	1.3	0.356
	F	2.0	0.374	G	5.0	0.345	H	10	0.372	I	20	0.414	J	40	0.389
	K	80	0.457												
Acetone	A	2.0	0.0380	B	4.0	0.0379	C	6.0	0.0354	D	10	0.0358	E	25	0.0336
	F	40	0.0330	G	100	0.0303	H	200	0.0324	I	400	0.0346	J	800	0.0344
	K	1600	0.0360												
1,1-Dichloroethene	A	0.10	0.207	B	0.20	0.176	C	0.30	0.237	D	0.50	0.188	E	1.3	0.185
	F	2.0	0.192	G	5.0	0.170	H	10	0.186	I	20	0.207	J	40	0.195
	K	80	0.223												
Carbon Disulfide	A	0.10	0.818	B	0.20	0.600	C	0.30	0.765	D	0.50	0.674	E	1.3	0.652
	F	2.0	0.658	G	5.0	0.628	H	10	0.686	I	20	0.764	J	40	0.737
	K	80	0.867												

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Methylene Chloride										D	0.50	0.373	E	1.3	0.297
	F	2.0	0.283	G	5.0	0.286	H	10	0.254	I	20	0.254	J	40	0.240
	K	80	0.250												
trans-1,2-Dichloroethene				B	0.20	0.217	C	0.30	0.276	D	0.50	0.241	E	1.3	0.222
	F	2.0	0.232	G	5.0	0.226	H	10	0.233	I	20	0.245	J	40	0.237
	K	80	0.265												
1,1-Dichloroethane	A	0.10	0.422	B	0.20	0.434	C	0.30	0.517	D	0.50	0.426	E	1.3	0.424
	F	2.0	0.424	G	5.0	0.428	H	10	0.430	I	20	0.461	J	40	0.442
	K	80	0.480												
2-Butanone (MEK)				B	4.0	0.0122	C	6.0	0.0129	D	10	0.0114	E	25	0.0133
	F	40	0.0128	G	100	0.0120	H	200	0.0130	I	400	0.0139	J	800	0.0139
	K	1600	0.0151												
2,2-Dichloropropane	A	0.10	0.353	B	0.20	0.286	C	0.30	0.337	D	0.50	0.287	E	1.3	0.314
	F	2.0	0.311	G	5.0	0.304	H	10	0.323	I	20	0.364	J	40	0.352
	K	80	0.423												
cis-1,2-Dichloroethene				B	0.20	0.254	C	0.30	0.279	D	0.50	0.253	E	1.3	0.275
	F	2.0	0.258	G	5.0	0.258	H	10	0.266	I	20	0.276	J	40	0.264
	K	80	0.285												
Chloroform	A	0.10	0.451	B	0.20	0.357	C	0.30	0.468	D	0.50	0.421	E	1.3	0.424
	F	2.0	0.421	G	5.0	0.422	H	10	0.423	I	20	0.446	J	40	0.429
	K	80	0.461												
Bromochloromethane				B	0.20	0.0938	C	0.30	0.109	D	0.50	0.118	E	1.3	0.113
	F	2.0	0.111	G	5.0	0.118	H	10	0.116	I	20	0.117	J	40	0.113
	K	80	0.115												
1,1,1-Trichloroethane (TCA)	A	0.10	0.406	B	0.20	0.266	C	0.30	0.385	D	0.50	0.305	E	1.3	0.315
	F	2.0	0.327	G	5.0	0.311	H	10	0.338	I	20	0.378	J	40	0.365
	K	80	0.438												
1,1-Dichloropropene	A	0.10	0.409	B	0.20	0.266	C	0.30	0.373	D	0.50	0.329	E	1.3	0.309
	F	2.0	0.327	G	5.0	0.301	H	10	0.323	I	20	0.357	J	40	0.338
	K	80	0.398												
Carbon Tetrachloride				B	0.20	0.180	C	0.30	0.258	D	0.50	0.219	E	1.3	0.234
	F	2.0	0.239	G	5.0	0.224	H	10	0.250	I	20	0.288	J	40	0.285

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Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
1,2-Dichloroethane (EDC)	A	0.10	0.338	B	0.20	0.321	C	0.30	0.298	D	0.50	0.331	E	1.3	0.299
	F	2.0	0.306	G	5.0	0.320	H	10	0.313	I	20	0.319	J	40	0.306
	K	80	0.320												
Benzene	A	0.10	1.16	B	0.20	0.990	C	0.30	1.11	D	0.50	1.03	E	1.3	1.02
	F	2.0	1.01	G	5.0	0.983	H	10	1.01	I	20	1.08	J	40	1.02
	K	80	1.12												
Trichloroethene (TCE)	A	0.10	0.223	B	0.20	0.243	C	0.30	0.273	D	0.50	0.229	E	1.3	0.250
	F	2.0	0.238	G	5.0	0.229	H	10	0.244	I	20	0.260	J	40	0.249
	K	80	0.281												
† 1,2-Dichloropropane	A	0.10	0.205	B	0.20	0.250	C	0.30	0.209	D	0.50	0.241	E	1.3	0.227
	F	2.0	0.230	G	5.0	0.241	H	10	0.239	I	20	0.250	J	40	0.240
	K	80	0.258												
Bromodichloromethane				B	0.20	0.234	C	0.30	0.253	D	0.50	0.253	E	1.3	0.241
	F	2.0	0.237	G	5.0	0.260	H	10	0.263	I	20	0.281	J	40	0.284
	K	80	0.313												
Dibromomethane							C	0.30	0.102	D	0.50	0.115	E	1.3	0.104
	F	2.0	0.107	G	5.0	0.114	H	10	0.116	I	20	0.118	J	40	0.114
	K	80	0.118												
2-Hexanone				B	4.0	0.0250	C	6.0	0.0268	D	10	0.0275	E	25	0.0312
	F	40	0.0311	G	100	0.0305	H	200	0.0339	I	400	0.0374	J	800	0.0384
cis-1,3-Dichloropropene				B	0.20	0.255	C	0.30	0.298	D	0.50	0.280	E	1.3	0.287
	F	2.0	0.289	G	5.0	0.326	H	10	0.343	I	20	0.361	J	40	0.362
	K	80	0.391												
Toluene	A	0.10	0.869	B	0.20	0.654	C	0.30	0.756	D	0.50	0.716	E	1.3	0.646
	F	2.0	0.676	G	5.0	0.658	H	10	0.688	I	20	0.726	J	40	0.683
	K	80	0.742												
trans-1,3-Dichloropropene				B	0.20	0.568	C	0.30	0.486	D	0.50	0.528	E	1.3	0.523
	F	2.0	0.533	G	5.0	0.597	H	10	0.639	I	20	0.669	J	40	0.701
	K	80	0.759												
1,1,2-Trichloroethane				B	0.20	0.293	C	0.30	0.327	D	0.50	0.334	E	1.3	0.317
	F	2.0	0.318	G	5.0	0.316	H	10	0.332	I	20	0.328	J	40	0.326
	K	80	0.336												

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound**

‡ **CCC Compound**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
4-Methyl-2-pentanone (MIBK)				B	4.0	0.0451	C	6.0	0.0453	D	10	0.0454	E	25	0.0435
	F	40	0.0438	G	100	0.0404	H	200	0.0441	I	400	0.0483	J	800	0.0480
	K	1600	0.0503												
1,3-Dichloropropane	A	0.10	0.704	B	0.20	0.652	C	0.30	0.689	D	0.50	0.692	E	1.3	0.669
	F	2.0	0.661	G	5.0	0.714	H	10	0.723	I	20	0.719	J	40	0.714
	K	80	0.737												
Tetrachloroethene (PCE)	A	0.10	0.514	B	0.20	0.390	C	0.30	0.512	D	0.50	0.465	E	1.3	0.462
	F	2.0	0.480	G	5.0	0.446	H	10	0.475	I	20	0.511	J	40	0.492
	K	80	0.558												
Dibromochloromethane				B	0.20	0.293	C	0.30	0.272	D	0.50	0.288	E	1.3	0.288
	F	2.0	0.283	G	5.0	0.324	H	10	0.350	I	20	0.372	J	40	0.400
1,2-Dibromoethane (EDB)				B	0.20	0.352	C	0.30	0.296	D	0.50	0.334	E	1.3	0.321
	F	2.0	0.328	G	5.0	0.358	H	10	0.363	I	20	0.368	J	40	0.372
	K	80	0.383												
† Chlorobenzene	A	0.10	1.94	B	0.20	1.93	C	0.30	1.89	D	0.50	1.82	E	1.3	1.72
	F	2.0	1.71	G	5.0	1.74	H	10	1.79	I	20	1.79	J	40	1.76
	K	80	1.86												
1,1,1,2-Tetrachloroethane	A	0.10	0.323	B	0.20	0.468	C	0.30	0.432	D	0.50	0.410	E	1.3	0.392
	F	2.0	0.410	G	5.0	0.425	H	10	0.462	I	20	0.483	J	40	0.506
	K	80	0.549												
Ethylbenzene	A	0.10	0.891	B	0.20	0.829	C	0.30	0.976	D	0.50	0.860	E	1.3	0.859
	F	2.0	0.883	G	5.0	0.870	H	10	0.933	I	20	0.986	J	40	0.965
	K	80	1.05												
m,p-Xylenes	A	0.20	1.19	B	0.40	0.985	C	0.60	1.14	D	1.0	1.10	E	2.5	1.05
	F	4.0	1.09	G	10	1.10	H	20	1.18	I	40	1.22	J	80	1.19
	K	160	1.31												
o-Xylene	A	0.10	1.24	B	0.20	1.03	C	0.30	1.14	D	0.50	1.05	E	1.3	1.03
	F	2.0	1.04	G	5.0	1.06	H	10	1.14	I	20	1.17	J	40	1.14
	K	80	1.23												
Styrene	A	0.10	0.845	B	0.20	0.731	C	0.30	0.795	D	0.50	0.778	E	1.3	0.727
	F	2.0	0.790	G	5.0	0.833	H	10	0.936	I	20	0.961	J	40	0.934
	K	80	0.986												

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† **SPCC Compound**

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Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Bromoform										D	0.50	0.115	E	1.3	0.122
	F	2.0	0.130	G	5.0	0.146	H	10	0.162	I	20	0.176	J	40	0.196
	K	80	0.220												
Isopropylbenzene	A	0.10	2.83	B	0.20	2.33	C	0.30	2.80	D	0.50	2.60	E	1.3	2.48
	F	2.0	2.62	G	5.0	2.60	H	10	2.84	I	20	3.02	J	40	2.96
	K	80	3.29												
1,1,2,2-Tetrachloroethane				B	0.20	0.320	C	0.30	0.339	D	0.50	0.336	E	1.3	0.343
	F	2.0	0.352	G	5.0	0.378	H	10	0.396	I	20	0.399	J	40	0.392
	K	80	0.404												
1,2,3-Trichloropropane							C	0.30	0.144	D	0.50	0.155	E	1.3	0.132
	F	2.0	0.132	G	5.0	0.132	H	10	0.132	I	20	0.132	J	40	0.129
	K	80	0.130												
Bromobenzene	A	0.10	0.646	B	0.20	0.724	C	0.30	0.724	D	0.50	0.735	E	1.3	0.708
	F	2.0	0.744	G	5.0	0.755	H	10	0.760	I	20	0.768	J	40	0.746
	K	80	0.775												
n-Propylbenzene	A	0.10	3.65	B	0.20	2.92	C	0.30	3.59	D	0.50	3.13	E	1.3	3.12
	F	2.0	3.30	G	5.0	3.24	H	10	3.54	I	20	3.79	J	40	3.67
	K	80	4.14												
2-Chlorotoluene	A	0.10	2.59	B	0.20	2.14	C	0.30	2.39	D	0.50	2.18	E	1.3	2.17
	F	2.0	2.19	G	5.0	2.19	H	10	2.28	I	20	2.35	J	40	2.27
	K	80	2.46												
4-Chlorotoluene	A	0.10	2.79	B	0.20	2.35	C	0.30	2.62	D	0.50	2.50	E	1.3	2.38
	F	2.0	2.45	G	5.0	2.49	H	10	2.63	I	20	2.70	J	40	2.62
	K	80	2.82												
1,3,5-Trimethylbenzene	A	0.10	2.46	B	0.20	2.01	C	0.30	2.38	D	0.50	2.11	E	1.3	2.17
	F	2.0	2.24	G	5.0	2.32	H	10	2.55	I	20	2.70	J	40	2.64
	K	80	2.94												
tert-Butylbenzene	A	0.10	2.50	B	0.20	1.67	C	0.30	2.22	D	0.50	1.90	E	1.3	1.91
	F	2.0	1.99	G	5.0	1.97	H	10	2.15	I	20	2.28	J	40	2.21
	K	80	2.52												
1,2,4-Trimethylbenzene	A	0.10	2.06	B	0.20	2.05	C	0.30	2.30	D	0.50	2.05	E	1.3	2.14
	F	2.0	2.19	G	5.0	2.32	H	10	2.50	I	20	2.63	J	40	2.61
	K	80	2.87												

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Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
sec-Butylbenzene				B	0.20	2.32	C	0.30	2.81	D	0.50	2.53	E	1.3	2.61
	F	2.0	2.70	G	5.0	2.63	H	10	2.93	I	20	3.15	J	40	3.10
	K	80	3.55												
1,3-Dichlorobenzene	A	0.10	1.55	B	0.20	1.44	C	0.30	1.53	D	0.50	1.41	E	1.3	1.42
	F	2.0	1.45	G	5.0	1.43	H	10	1.50	I	20	1.50	J	40	1.46
	K	80	1.55												
4-Isopropyltoluene							C	0.30	2.25	D	0.50	2.08	E	1.3	2.07
	F	2.0	2.28	G	5.0	2.27	H	10	2.52	I	20	2.73	J	40	2.72
	K	80	3.12												
1,4-Dichlorobenzene	A	0.10	1.84	B	0.20	1.64	C	0.30	1.63	D	0.50	1.52	E	1.3	1.47
	F	2.0	1.45	G	5.0	1.45	H	10	1.49	I	20	1.49	J	40	1.45
	K	80	1.53												
n-Butylbenzene				B	0.20	1.61	C	0.30	1.92	D	0.50	1.63	E	1.3	1.69
	F	2.0	1.78	G	5.0	1.79	H	10	2.01	I	20	2.20	J	40	2.21
1,2-Dichlorobenzene	A	0.10	1.55	B	0.20	1.24	C	0.30	1.39	D	0.50	1.38	E	1.3	1.29
	F	2.0	1.28	G	5.0	1.32	H	10	1.35	I	20	1.34	J	40	1.30
	K	80	1.35												
1,2-Dibromo-3-chloropropane													E	1.3	0.0288
	F	2.0	0.0381	G	5.0	0.0385	H	10	0.0411	I	20	0.0431			
1,2,4-Trichlorobenzene	A	0.10	0.982	B	0.20	0.731	C	0.30	0.835	D	0.50	0.724	E	1.3	0.737
	F	2.0	0.725	G	5.0	0.744	H	10	0.760	I	20	0.774	J	40	0.766
	K	80	0.806												
1,2,3-Trichlorobenzene				B	0.20	0.669	C	0.30	0.719	D	0.50	0.566	E	1.3	0.576
	F	2.0	0.577	G	5.0	0.575	H	10	0.593	I	20	0.599	J	40	0.589
	K	80	0.609												
Naphthalene				B	0.20	1.07	C	0.30	1.02	D	0.50	0.966	E	1.3	0.952
	F	2.0	0.986	G	5.0	1.04	H	10	1.12	I	20	1.16	J	40	1.15
	K	80	1.17												
Hexachlorobutadiene				B	0.20	0.380	C	0.30	0.451	D	0.50	0.322	E	1.3	0.368
	F	2.0	0.371	G	5.0	0.373	H	10	0.392	I	20	0.415	J	40	0.410
	K	80	0.465												

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
1,3,5-Trichlorobenzene	A	0.10	1.13	B	0.20	1.10	C	0.30	0.984	D	0.50	0.873	E	1.3	0.874
	F	2.0	0.890	G	5.0	0.878	H	10	0.907	I	20	0.937	J	40	0.921
	K	80	1.00												
Dibromofluoromethane	A	2.0	0.219	B	3.0	0.214	C	4.0	0.211	D	5.0	0.229	E	6.0	0.216
	F	8.0	0.222	G	9.0	0.216	H	10	0.219	I	20	0.223	J	40	0.233
	K	50	0.227												
Toluene-d8	A	2.0	0.910	B	3.0	0.902	C	4.0	0.874	D	5.0	1.04	E	6.0	0.914
	F	8.0	0.980	G	9.0	0.958	H	10	0.966	I	20	0.985	J	40	1.04
	K	50	0.993												
4-Bromofluorobenzene	A	2.0	0.892	B	3.0	0.882	C	4.0	0.857	D	5.0	0.951	E	6.0	0.872
	F	8.0	0.894	G	9.0	0.872	H	10	0.892	I	20	0.888	J	40	0.923
	K	50	0.880												

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Dichlorodifluoromethane	TRG	AverageRF	% RSD	12.7		≤ 15	0.246		0.01
† Chloromethane	TRG	AverageRF	% RSD	8.9		≤ 15	0.302		0.10
‡ Vinyl Chloride	TRG	AverageRF	% RSD	9.4		≤ 15	0.298		0.01
Bromomethane	TRG	AverageRF	% RSD	8.3		≤ 15	0.173		0.01
Chloroethane	TRG	AverageRF	% RSD	7.0		≤ 15	0.190		0.01
Trichlorofluoromethane	TRG	AverageRF	% RSD	11.2		≤ 15	0.387		0.01
Acetone	TRG	AverageRF	% RSD	6.6		≤ 15	0.0347		0.01
‡ 1,1-Dichloroethene	MS	AverageRF	% RSD	10.2		≤ 15	0.197		0.01
Carbon Disulfide	TRG	AverageRF	% RSD	11.7		≤ 15	0.714		0.01
Methylene Chloride	TRG	AverageRF	% RSD	15.3	*	≤ 15	0.279		0.01
trans-1,2-Dichloroethene	TRG	AverageRF	% RSD	7.8		≤ 15	0.239		0.01
† 1,1-Dichloroethane	TRG	AverageRF	% RSD	6.8		≤ 15	0.444		0.10
2-Butanone (MEK)	TRG	AverageRF	% RSD	8.2		≤ 15	0.0131		0.01
2,2-Dichloropropane	TRG	AverageRF	% RSD	12.0		≤ 15	0.332		0.01
cis-1,2-Dichloroethene	TRG	AverageRF	% RSD	4.2		≤ 15	0.267		0.01
‡ Chloroform	TRG	AverageRF	% RSD	6.9		≤ 15	0.429		0.01
Bromochloromethane	TRG	AverageRF	% RSD	6.4		≤ 15	0.112		0.01
1,1,1-Trichloroethane (TCA)	TRG	AverageRF	% RSD	14.5		≤ 15	0.348		0.01
1,1-Dichloropropene	TRG	AverageRF	% RSD	12.6		≤ 15	0.339		0.01
Carbon Tetrachloride	TRG	AverageRF	% RSD	13.9		≤ 15	0.242		0.01
1,2-Dichloroethane (EDC)	TRG	AverageRF	% RSD	4.0		≤ 15	0.315		0.01
Benzene	MS	AverageRF	% RSD	5.6		≤ 15	1.05		0.01
Trichloroethene (TCE)	MS	AverageRF	% RSD	7.4		≤ 15	0.247		0.01
‡ 1,2-Dichloropropane	TRG	AverageRF	% RSD	7.1		≤ 15	0.236		0.01
Bromodichloromethane	TRG	AverageRF	% RSD	9.5		≤ 15	0.262		0.01
Dibromomethane	TRG	AverageRF	% RSD	5.3		≤ 15	0.112		0.01
2-Hexanone	TRG	AverageRF	% RSD	14.7		≤ 15	0.0313		0.01
cis-1,3-Dichloropropene	TRG	AverageRF	% RSD	13.8		≤ 15	0.319		0.01
‡ Toluene	MS	AverageRF	% RSD	9.0		≤ 15	0.710		0.01
trans-1,3-Dichloropropene	TRG	AverageRF	% RSD	14.9		≤ 15	0.600		0.01
1,1,2-Trichloroethane	TRG	AverageRF	% RSD	3.9		≤ 15	0.323		0.01
4-Methyl-2-pentanone (MIBK)	TRG	AverageRF	% RSD	6.2		≤ 15	0.0454		0.01
1,3-Dichloropropane	TRG	AverageRF	% RSD	3.9		≤ 15	0.698		0.01
Tetrachloroethene (PCE)	TRG	AverageRF	% RSD	9.1		≤ 15	0.482		0.01
Dibromochloromethane	TRG	AverageRF	% RSD	14.2		≤ 15	0.319		0.01
1,2-Dibromoethane (EDB)	TRG	AverageRF	% RSD	7.7		≤ 15	0.347		0.01
† Chlorobenzene	MS	AverageRF	% RSD	4.4		≤ 15	1.81		0.30
1,1,1,2-Tetrachloroethane	TRG	AverageRF	% RSD	13.9		≤ 15	0.442		0.01
‡ Ethylbenzene	TRG	AverageRF	% RSD	7.5		≤ 15	0.918		0.01
m,p-Xylenes	TRG	AverageRF	% RSD	7.8		≤ 15	1.14		0.01
o-Xylene	TRG	AverageRF	% RSD	7.2		≤ 15	1.12		0.01
Styrene	TRG	AverageRF	% RSD	11.0		≤ 15	0.847		0.01

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† SPCC Compound ‡ CCC Compound

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL7189
Instrument ID: MS13

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
† Bromoform	TRG	AverageRF	% RSD	23.4	*	≤ 15	0.158		0.10
Isopropylbenzene	TRG	AverageRF	% RSD	9.8		≤ 15	2.76		0.01
† 1,1,2,2-Tetrachloroethane	TRG	AverageRF	% RSD	8.5		≤ 15	0.366		0.30
1,2,3-Trichloropropane	TRG	AverageRF	% RSD	6.2		≤ 15	0.135		0.01
Bromobenzene	TRG	AverageRF	% RSD	4.9		≤ 15	0.735		0.01
n-Propylbenzene	TRG	AverageRF	% RSD	10.3		≤ 15	3.46		0.01
2-Chlorotoluene	TRG	AverageRF	% RSD	6.2		≤ 15	2.29		0.01
4-Chlorotoluene	TRG	AverageRF	% RSD	6.1		≤ 15	2.58		0.01
1,3,5-Trimethylbenzene	TRG	AverageRF	% RSD	11.7		≤ 15	2.41		0.01
tert-Butylbenzene	TRG	AverageRF	% RSD	12.4		≤ 15	2.12		0.01
1,2,4-Trimethylbenzene	TRG	AverageRF	% RSD	11.9		≤ 15	2.34		0.01
sec-Butylbenzene	TRG	AverageRF	% RSD	12.7		≤ 15	2.83		0.01
1,3-Dichlorobenzene	TRG	AverageRF	% RSD	3.5		≤ 15	1.48		0.01
4-Isopropyltoluene	TRG	AverageRF	% RSD	14.3		≤ 15	2.45		0.01
1,4-Dichlorobenzene	TRG	AverageRF	% RSD	7.7		≤ 15	1.54		0.01
n-Butylbenzene	TRG	AverageRF	% RSD	12.2		≤ 15	1.87		0.01
1,2-Dichlorobenzene	MS	AverageRF	% RSD	6.1		≤ 15	1.35		0.01
1,2-Dibromo-3-chloropropane	TRG	AverageRF	% RSD	14.5		≤ 15	0.0379		0.01
1,2,4-Trichlorobenzene	TRG	AverageRF	% RSD	9.7		≤ 15	0.781		0.01
1,2,3-Trichlorobenzene	TRG	AverageRF	% RSD	8.0		≤ 15	0.607		0.01
Naphthalene	MS	AverageRF	% RSD	7.8		≤ 15	1.06		0.01
Hexachlorobutadiene	TRG	AverageRF	% RSD	10.7		≤ 15	0.395		0.01
1,3,5-Trichlorobenzene	TRG	AverageRF	% RSD	9.4		≤ 15	0.954		0.01
Dibromofluoromethane	SURR	AverageRF	% RSD	3.0		≤ 15	0.221		0.01
Toluene-d8	SURR	AverageRF	% RSD	5.7		≤ 15	0.960		0.01
4-Bromofluorobenzene	SURR	AverageRF	% RSD	2.9		≤ 15	0.891		0.01

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† **SPCC Compound** ‡ **CCC Compound**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008
Date Analyzed: 03/22/2008

Second Source Calibration Verification
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration ID: CAL7189
Units: PPB

File ID: J:\MS13\DATA\032208\0322F003.D
J:\MS13\DATA\032108\0321F027.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Dichlorodifluoromethane	10	11	0.246	0.272	11	NA	± 40 %	AverageRF
† Chloromethane	10	10	0.302	0.306	1	NA	± 40 %	AverageRF
‡ Vinyl Chloride	10	10	0.298	0.312	5	NA	± 20 %	AverageRF
Bromomethane	10	11	0.173	0.187	8	NA	± 40 %	AverageRF
Chloroethane	10	10	0.190	0.199	5	NA	± 40 %	AverageRF
Trichlorofluoromethane	10	11	0.387	0.410	6	NA	± 30 %	AverageRF
Acetone	50	41	0.0347	0.0286	-18	NA	± 30 %	AverageRF
‡ 1,1-Dichloroethene	10	12	0.197	0.229	16	NA	± 20 %	AverageRF
Carbon Disulfide	20	20	0.714	0.726	2	NA	± 30 %	AverageRF
Methylene Chloride	10	9.6	0.279	0.268	-4	NA	± 30 %	AverageRF
trans-1,2-Dichloroethene	10	11	0.239	0.252	5	NA	± 30 %	AverageRF
† 1,1-Dichloroethane	10	10	0.444	0.449	1	NA	± 30 %	AverageRF
2-Butanone (MEK)	50	46	0.0131	0.0121	-7	NA	± 30 %	AverageRF
2,2-Dichloropropane	10	11	0.332	0.378	14	NA	± 30 %	AverageRF
cis-1,2-Dichloroethene	10	10	0.267	0.267	0	NA	± 30 %	AverageRF
‡ Chloroform	10	10	0.429	0.441	3	NA	± 20 %	AverageRF
Bromochloromethane	10	10	0.112	0.115	3	NA	± 30 %	AverageRF
1,1,1-Trichloroethane (TCA)	10	11	0.348	0.382	10	NA	± 30 %	AverageRF
1,1-Dichloropropene	10	11	0.339	0.363	7	NA	± 30 %	AverageRF
Carbon Tetrachloride	10	12	0.242	0.298	23	NA	± 30 %	AverageRF
1,2-Dichloroethane (EDC)	10	9.7	0.315	0.305	-3	NA	± 30 %	AverageRF
Benzene	10	10	1.05	1.06	1	NA	± 30 %	AverageRF
Trichloroethene (TCE)	10	11	0.247	0.263	6	NA	± 30 %	AverageRF
‡ 1,2-Dichloropropane	10	10	0.236	0.240	2	NA	± 20 %	AverageRF
Bromodichloromethane	10	11	0.262	0.279	7	NA	± 30 %	AverageRF
Dibromomethane	10	10	0.112	0.114	2	NA	± 30 %	AverageRF
2-Hexanone	50	50	0.0313	0.0311	-1	NA	± 30 %	AverageRF
cis-1,3-Dichloropropene	10	11	0.319	0.347	9	NA	± 30 %	AverageRF
‡ Toluene	10	9.8	0.710	0.694	-2	NA	± 20 %	AverageRF
trans-1,3-Dichloropropene	10	10	0.600	0.610	2	NA	± 30 %	AverageRF
1,1,2-Trichloroethane	10	11	0.323	0.340	5	NA	± 30 %	AverageRF
4-Methyl-2-pentanone (MIBK)	50	45	0.0454	0.0405	-11	NA	± 30 %	AverageRF
1,3-Dichloropropane	10	10	0.698	0.729	5	NA	± 30 %	AverageRF
Tetrachloroethene (PCE)	10	11	0.482	0.554	15	NA	± 30 %	AverageRF
Dibromochloromethane	10	12	0.319	0.381	19	NA	± 30 %	AverageRF
1,2-Dibromoethane (EDB)	10	11	0.347	0.370	6	NA	± 30 %	AverageRF
Chlorobenzene	10	10	1.81	1.85	2	NA	± 30 %	AverageRF
1,1,1,2-Tetrachloroethane	10	11	0.442	0.488	10	NA	± 30 %	AverageRF
Ethylbenzene	10	11	0.918	1.00	9	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 03/21/2008
Date Analyzed: 03/22/2008

Second Source Calibration Verification
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration ID: CAL7189
Units: PPB

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
m,p-Xylenes	20	22	1.14	1.27	11	NA	± 30 %	AverageRF
o-Xylene	10	11	1.12	1.21	8	NA	± 30 %	AverageRF
Styrene	10	11	0.847	0.928	10	NA	± 30 %	AverageRF
Bromoform	10	11	0.158	0.179	13	NA	± 30 %	AverageRF
Isopropylbenzene	10	11	2.76	2.91	6	NA	± 30 %	AverageRF
1,1,2,2-Tetrachloroethane	10	11	0.366	0.399	9	NA	± 30 %	AverageRF
1,2,3-Trichloropropane	10	10	0.135	0.137	1	NA	± 30 %	AverageRF
Bromobenzene	10	10	0.735	0.764	4	NA	± 30 %	AverageRF
n-Propylbenzene	10	11	3.46	3.92	13	NA	± 30 %	AverageRF
2-Chlorotoluene	10	11	2.29	2.50	9	NA	± 30 %	AverageRF
4-Chlorotoluene	10	11	2.58	2.77	8	NA	± 30 %	AverageRF
1,3,5-Trimethylbenzene	10	11	2.41	2.75	14	NA	± 30 %	AverageRF
tert-Butylbenzene	10	11	2.12	2.42	14	NA	± 30 %	AverageRF
1,2,4-Trimethylbenzene	10	11	2.34	2.66	14	NA	± 30 %	AverageRF
sec-Butylbenzene	10	12	2.83	3.37	19	NA	± 30 %	AverageRF
1,3-Dichlorobenzene	10	11	1.48	1.56	5	NA	± 30 %	AverageRF
4-Isopropyltoluene	10	11	2.45	2.77	13	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	10	10	1.54	1.56	1	NA	± 30 %	AverageRF
n-Butylbenzene	10	12	1.87	2.30	23	NA	± 30 %	AverageRF
1,2-Dichlorobenzene	10	10	1.35	1.37	2	NA	± 30 %	AverageRF
1,2-Dibromo-3-chloropropane	10	12	0.0379	0.0438	15	NA	± 30 %	AverageRF
1,2,4-Trichlorobenzene	10	10	0.781	0.794	2	NA	± 30 %	AverageRF
1,2,3-Trichlorobenzene	10	10	0.607	0.634	4	NA	± 30 %	AverageRF
Naphthalene	10	11	1.06	1.12	5	NA	± 30 %	AverageRF
Hexachlorobutadiene	10	11	0.395	0.441	12	NA	± 30 %	AverageRF
1,3,5-Trichlorobenzene	40	43	0.954	1.01	6	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

SPCC Compound ‡ CCC Compound

CAL7189

Date: 3/21/08

Columbia Analytical Services, Inc.

Injection Log

MS13 - Agilent 5973

By: LQ

Tune File: BFB1U

New Tune: Yes

IS/SS Std. ID: 48VOA-91F

ICAL ~~CCV~~ Std ID: See Prep Sheet

ICV ~~LCS/ICV~~ Std ID: ↓

IS ~~MS/DMS~~ Std. ID: 48VOA-81C

ICAL Date: NA

Second RV: HC 3.24.08

LIMS ID: NA

LQ 3/21/08

	Sample Name	File Name	Method	Dilution	pH	R	Comments
1	50ng BFB	0321F011	8260W	5uL/50mL			10⁰⁰ PM 48VOA-89C
2	1B	12				✓	
3	8260 ICAL (Water) #1	13		See Prep Sheet		✓	
4	2	14				✓	
5	3	15				✓	
6	4	16				✓	
7	5	17				✓	
8	6	18				✓	
9	7	19				✓	
10	8	20				✓	
11	9	21				✓	
12	10	22				✓	
13	11	23				✓	
14	1B	24					
15	1B	25					
16	8260 ICV	26		See Prep Sheet		(NR) surr low, ~~analytes OK~~	
17	Vinyl Acetate ICV	27				✓ OK 5²⁹ AM	
18	Vinyl Acetate ICV2	28				(NR) Not needed	
19	8260 ICV2	29				(NR) analyte +, surr o	
20	50ng BFB	0322F001		5uL/50mL		L⁰¹ PM 48VOA-89C	
21 *	8260 ICV3	2				same as ICV w surr added at Aft	
22	8260 ICV3(R)	3				↓ 7²⁶ PM	
23							
24							
25							
26							
27							LQ 3/22/08

*: used DI water & THF contamination — (NR)

Date 3/21/08
Prepared By KB

Analysis: 8260/App.
Instrument: MS13
Matrix: Water

Stock Solution #1 48V0A-102F Analytes: Surrogate Init. Concentration: 100ppm
Stock Solution #2 103A Analytes: Low 8260/Ketones Init. Concentration: 5/10/20/100/200ppm
Stock Solution #3 102C Analytes: 8260 Init. Concentration: 50/100/200/1000/2000ppm
Stock Solution #4 92E Analytes: Ketones Init. Concentration: 2000ppm

Aliquot of Stock Solution #1 (µL)	Final Conc. of #1 (µg/L)	Aliquot of Stock Solution #2 (µL)	Final Conc. of #2 (µg/L)	Aliquot of Stock Solution #3 (µL)	Final Conc. of #3 (µg/L)	Aliquot of Stock Solution #4 (µL)	Final Conc. of #4 (µg/L)	Final Volume (mL)	Notes
1.0	2	1.0	0.1/0.2/0.4/2.0/4.0					50	Level ID: 1
1.5	3	2.0	0.2/0.4/0.8/4.0/8.0					50	Level ID: 2
2.0	4	3.0	0.3/0.6/1.2/6.0/12					50	Level ID: 3
2.5	5	5.0	0.5/1.0/2.0/10/20					50	Level ID: 4
3.0	6	12.5	1.25/2.5/5.0/25/50					50	Level ID: 5
4.0	8	20	2.0/4.0/8.0/40/80					50	Level ID: 6
4.5	9			5	5.0/10/20/100/200	2.5	100	50	Level ID: 7
5.0	10			10	10/20/40/200/400	5.0	200	50	Level ID: 8
10	20			20	20/40/80/400/800	10	400	50	Level ID: 9
20	40			40	40/80/160/800/1600	20	800	50	Level ID: 10
25	50			80	80/160/320/1600/3200	40	1600	50	Level ID: 11

8260 ICV: 10uL of 50/250ppm Accustd ICV (48V0A-101B) + 50uL of 100ppm Acrolein (48V0A-102A) +
5.0uL of 100ppm Dichlorofluoromethane (48V0A-98D) + 5.0uL of 200ppm n-Octane/THF/TBF (48V0A-~~95C~~) +
7.5uL of 200/2000ppm Appendix ICV (48V0A-95C) + 5.0uL of 200/1000ppm Oxygenates (48V0A-~~98E~~ to 50mL.
+5.0uL of surr, 100 ppm (48V0A-102F)

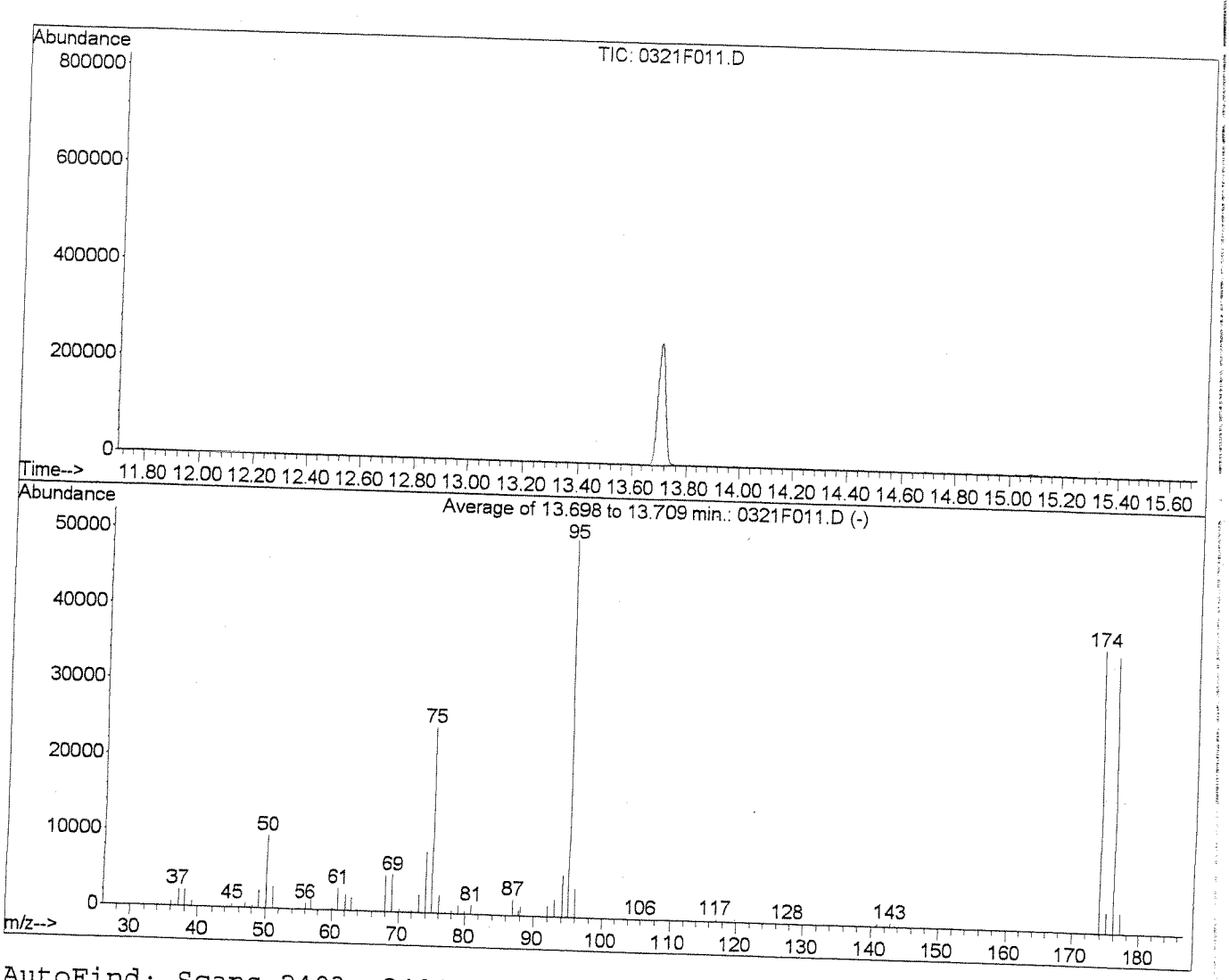
KB 3/21/08
103C

8260 ICV2: same as ICV, check prep.
Vinyl Acetate: 10uL of 100ppm (48V0A-103B) + 5.0uL of 100 ppm surr (48V0A-102F) to 50mL.
ICV

BFB

Data File : J:\MS13\DATA\032108\0321F011.D
Acq On : 21 Mar 2008 10:00 pm
Sample : 50ng BFB
Misc :
MS Integration Params: rteint.p
Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B

Vial: 11
Operator:
Inst : MS13
Multiplr: 1.00



AutoFind: Scans 2403, 2404, 2405; Background Corrected with Scan 2395

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.2	9601	PASS
75	95	30	60	48.9	24424	PASS
95	95	100	100	100.0	49901	PASS
96	95	5	9	7.5	3734	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	74.6	37210	PASS
175	174	5	9	7.4	2736	PASS
176	174	95	101	97.8	36400	PASS
177	176	5	9	7.3	2654	PASS

LB 3/22/08

0321F011.D 032108_8260W.M Sat Mar 22 18:36:28 2008

HL 32408

Data File : J:\MS13\DATA\032108\0321F012.D
Acq On : 21 Mar 2008 10:36 pm
Sample : IB
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 18:36:34 2008

Vial: 12
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 18:10:35 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.14	96	489187	10.00	PPB	0.00
60) Chlorobenzene-d5	12.05	82	199531	10.00	PPB	0.00
81) 1,4-Dichlorobenzene-d4	15.08	152	176955	10.00	PPB	0.00
System Monitoring Compounds						
40) Dibromofluoromethane	5.13	113	103115	9.54	PPB	0.00
Spiked Amount 10.000			Recovery =	95.40%		
44) 1,2-Dichloroethane-d4	5.67	65	121052	9.07	PPB	0.00
Spiked Amount 10.000			Recovery =	90.70%		
58) Toluene-d8	9.33	98	502665	10.70	PPB	0.00
Spiked Amount 10.000			Recovery =	107.00%		
80) 4-Bromofluorobenzene	13.71	95	177745	10.00	PPB	0.00
Spiked Amount 10.000			Recovery =	100.00%		
Target Compounds						Qvalue
18) Methylene Chloride	2.92	84	1146	0.08	PPB	# 51
23) Hexane	3.37	57	832	0.05	PPB	94
99) 1,3,5-Trichlorobenzene	16.57	180	951	0.06	PPB	# 62
103) 1,2,3-Trichlorobenzene	17.77	180	631	0.06	PPB	# 1

NF LB 3/22/08

HC 3.24.08

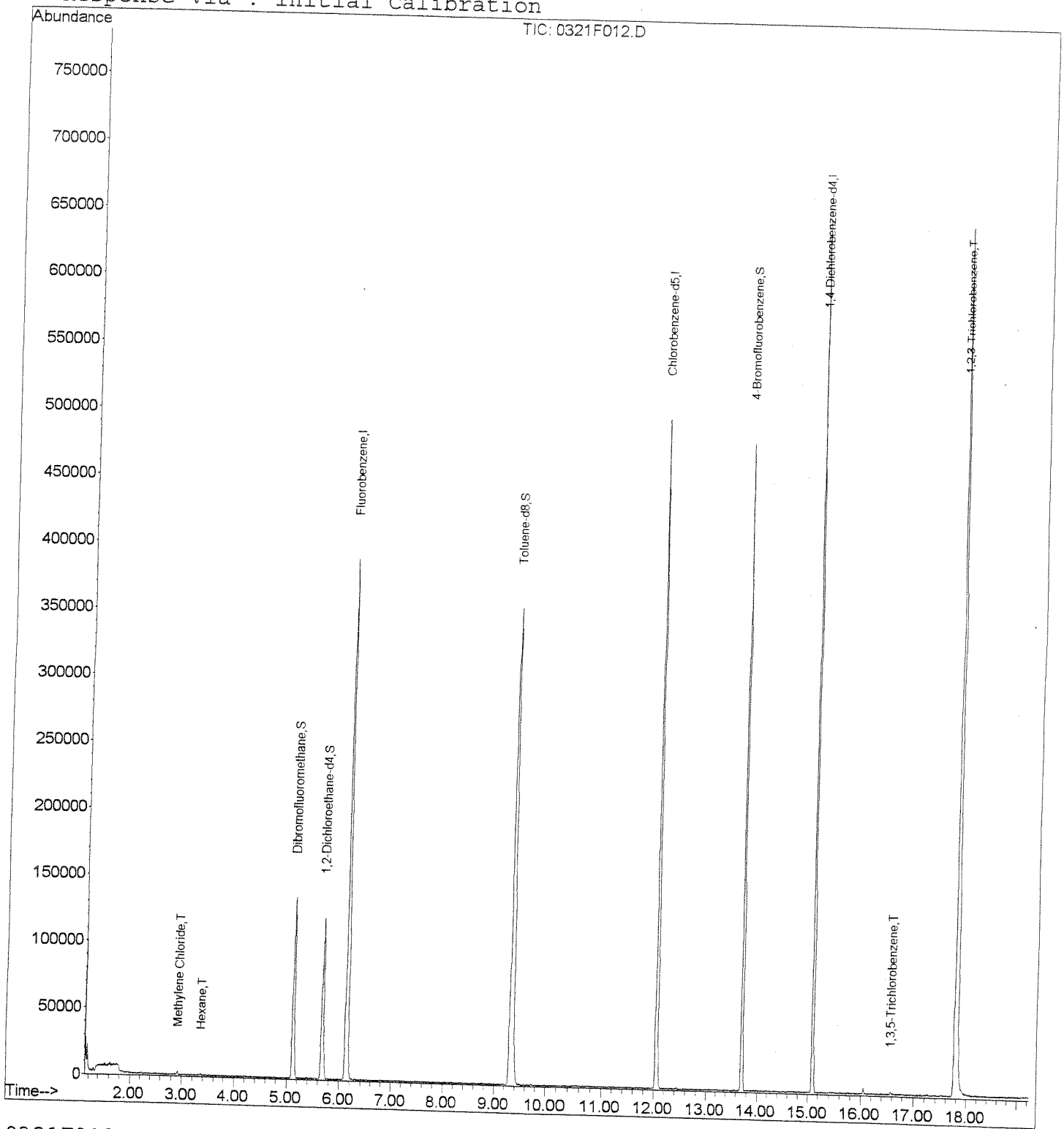
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS13\DATA\032108\0321F012.D
Acq On : 21 Mar 2008 10:36 pm
Sample : IB
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 18:37 2008

Vial: 12
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 18:10:35 2008
Response via : Initial Calibration



Data File : J:\MS13\DATA\032108\0321F013.D
Acq On : 21 Mar 2008 11:04 pm
Sample : 8260 ICAL (Water) #1
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 00:09:06 2008

Vial: 13
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.13	96	411221	10.00	PPB	0.00
60) Chlorobenzene-d5	12.05	82	181608	10.00	PPB	0.00
81) 1,4-Dichlorobenzene-d4	15.08	152	166033	10.00	PPB	0.00
System Monitoring Compounds						
40) Dibromofluoromethane	5.12	113	18014	1.92	PPB	0.00
Spiked Amount 10.000			Recovery = 19.20%			
44) 1,2-Dichloroethane-d4	5.67	65	23282	2.22	PPB	0.00
Spiked Amount 10.000			Recovery = 22.20%			
58) Toluene-d8	9.33	98	74805	1.67	PPB	0.00
Spiked Amount 10.000			Recovery = 16.70%			
80) 4-Bromofluorobenzene	13.70	95	32401	1.85	PPB	0.00
Spiked Amount 10.000			Recovery = 18.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	1238	0.11	PPB	87
3) Chloromethane	1.34	50	1902	0.12	PPB	96
4) Vinyl Chloride	1.42	62	1383	0.09	PPB	83
7) Dichlorofluoromethane	1.93	67	2315	0.12	PPB	93
8) Trichlorofluoromethane	1.93	101	1780	0.11	PPB	92
9) Ethyl Ether	2.19	59	645	0.09	PPB	78
10) Acrolein	2.37	56	1755	1.73	PPB	79
11) Trichlorotrifluoroethane	2.37	151	926	0.12	PPB #	59
12) 1,1-Dichloroethene	2.40	96	851	0.09	PPB	89
13) Acetone	2.52	43	3122	2.08	PPB	85
14) Iodomethane	2.55	142	3130	0.30	PPB	99
15) Carbon Disulfide	2.58	76	3365	0.10	PPB	90
18) Methylene Chloride	2.92	84	3367	0.28	PPB	85
21) Methyl tert-Butyl Ether	3.14	73	4448	0.19	PPB	90
23) Hexane	3.36	57	1825	0.12	PPB	94
24) Diisopropyl Ether	3.67	45	3073	0.08	PPB	83
25) 1,1-Dichloroethane	3.68	63	1736	0.08	PPB	77
27) Chloroprene	3.73	53	6488	0.36	PPB	87
28) tert-Butyl Ethyl Ether	4.13	59	2617	0.08	PPB	85
29) 2,2-Dichloropropane	4.37	77	1452	0.09	PPB	72
37) Chloroform	4.87	83	1855	0.10	PPB	85
39) 1,1,1-Trichloroethane	5.05	97	1671	0.11	PPB	83
41) Carbon Tetrachloride	5.23	117	1007	0.09	PPB #	68
42) 1,1-Dichloropropene	5.30	75	1683	0.10	PPB #	68
45) Benzene	5.61	78	4764	0.10	PPB	93
46) 1,2-Dichloroethane	5.81	62	1390	0.11	PPB #	47
48) Trichloroethene	6.75	95	916	0.08	PPB #	83

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

LB 3/22/08 HC 32408

Data File : J:\MS13\DATA\032108\0321F013.D
Acq On : 21 Mar 2008 11:04 pm
Sample : 8260 ICAL (Water) #1
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 00:09:06 2008

Vial: 13
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
49)	1,2-Dichloropropane	7.28	63	843	0.07	PPB	#	62
59)	Toluene	9.48	92	3575m	0.11	PPB		
65)	Tetrachloroethene	10.53	164	934	0.09	PPB	#	72
67)	1,3-Dichloropropane	10.87	76	1279	0.08	PPB		85
70)	1-Chlorohexane	12.12	91	1293	0.08	PPB	#	17
71)	Chlorobenzene	12.09	112	3516	0.10	PPB		80
72)	Ethylbenzene	12.25	106	1619	0.08	PPB		97
73)	1,1,1,2-Tetrachloroethane	12.27	131	586	0.06	PPB	#	66
74)	m,p-Xylenes	12.44	106	4327	0.17	PPB		85
75)	o-Xylene	12.97	106	2255m	0.09	PPB		
76)	Styrene	13.02	103	1535	0.08	PPB	#	64
78)	Isopropylbenzene	13.46	105	5132	0.09	PPB		86
84)	Bromobenzene	13.86	156	1073	0.07	PPB	#	66
85)	n-Propylbenzene	13.99	91	6055	0.09	PPB		86
87)	2-Chlorotoluene	14.10	91	4303	0.10	PPB		88
88)	1,3,5-Trimethylbenzene	14.24	105	4078	0.08	PPB		79
89)	4-Chlorotoluene	14.24	91	4637	0.09	PPB		85
90)	tert-Butylbenzene	14.59	119	4149	0.10	PPB		86
91)	1,2,4-Trimethylbenzene	14.67	105	3415	0.07	PPB		98
92)	sec-Butylbenzene	14.85	105	4782	0.09	PPB		87
93)	p-Isopropyltoluene	15.03	119	3872	0.08	PPB		96
94)	1,3-Dichlorobenzene	15.00	146	2570	0.09	PPB		84
95)	1,4-Dichlorobenzene	15.11	146	3054	0.11	PPB		90
96)	n-Butylbenzene	15.50	91	3390	0.09	PPB		92
97)	1,2-Dichlorobenzene	15.52	146	2579	0.10	PPB		92
99)	1,3,5-Trichlorobenzene	16.58	180	1871	0.12	PPB		98
100)	1,2,4-Trichlorobenzene	17.25	180	1631	0.12	PPB		85
101)	Hexachlorobutadiene	17.39	225	954	0.15	PPB		79
102)	Naphthalene	17.52	128	1874	0.08	PPB		72
103)	1,2,3-Trichlorobenzene	17.77	180	1350	0.12	PPB	#	1

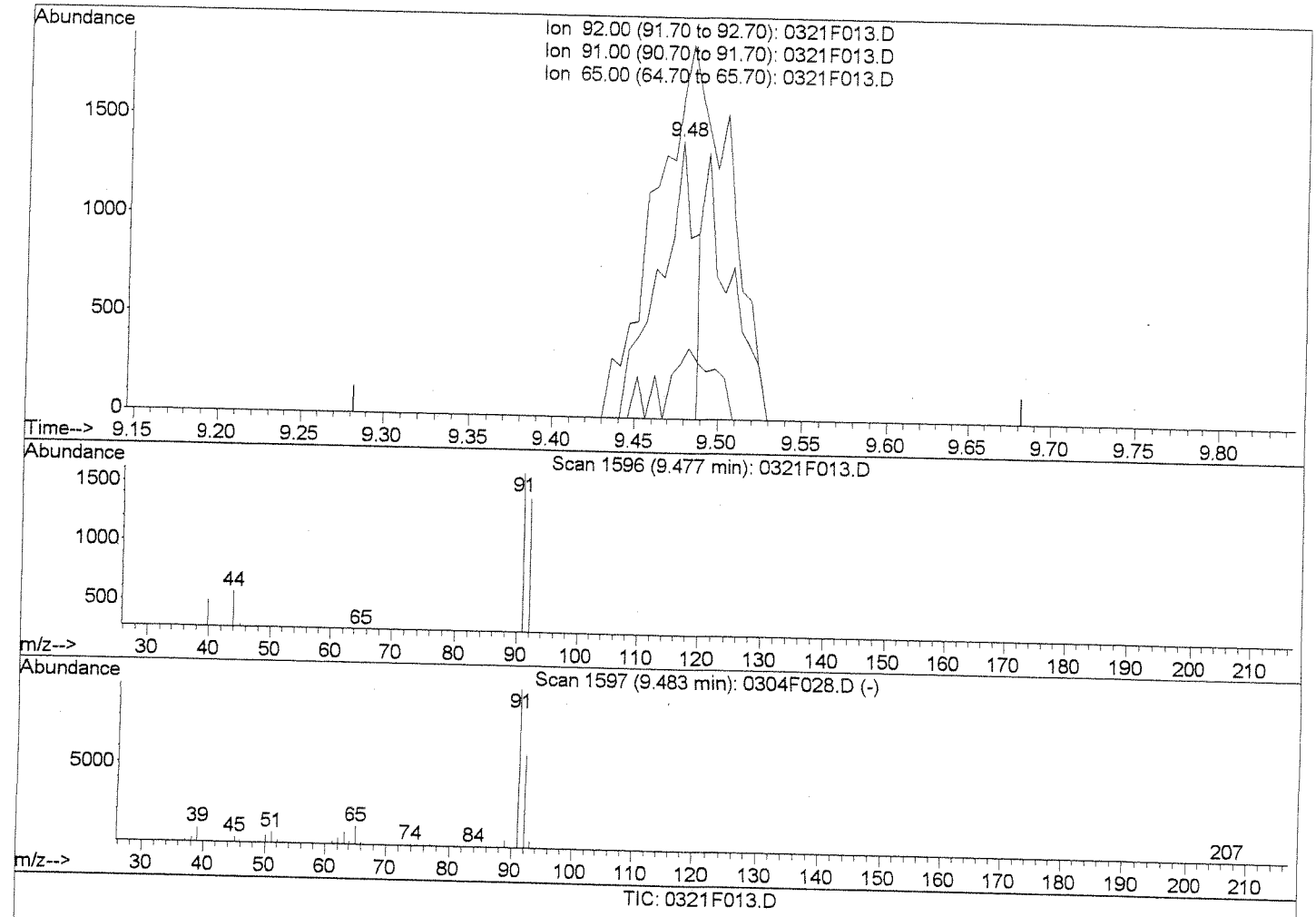
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS13\DATA\032108\0321F013.D
Acq On : 21 Mar 2008 11:04 pm
Sample : 8260 ICAL (Water) #1
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:11 2008

Vial: 13
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



TIC: 0321F013.D

(59) Toluene (CMT)

9.48min 0.07PPB

response 2150

Ion	Exp%	Act%
92.00	100	100
91.00	170.20	93.87#
65.00	19.50	19.54
0.00	0.00	0.00

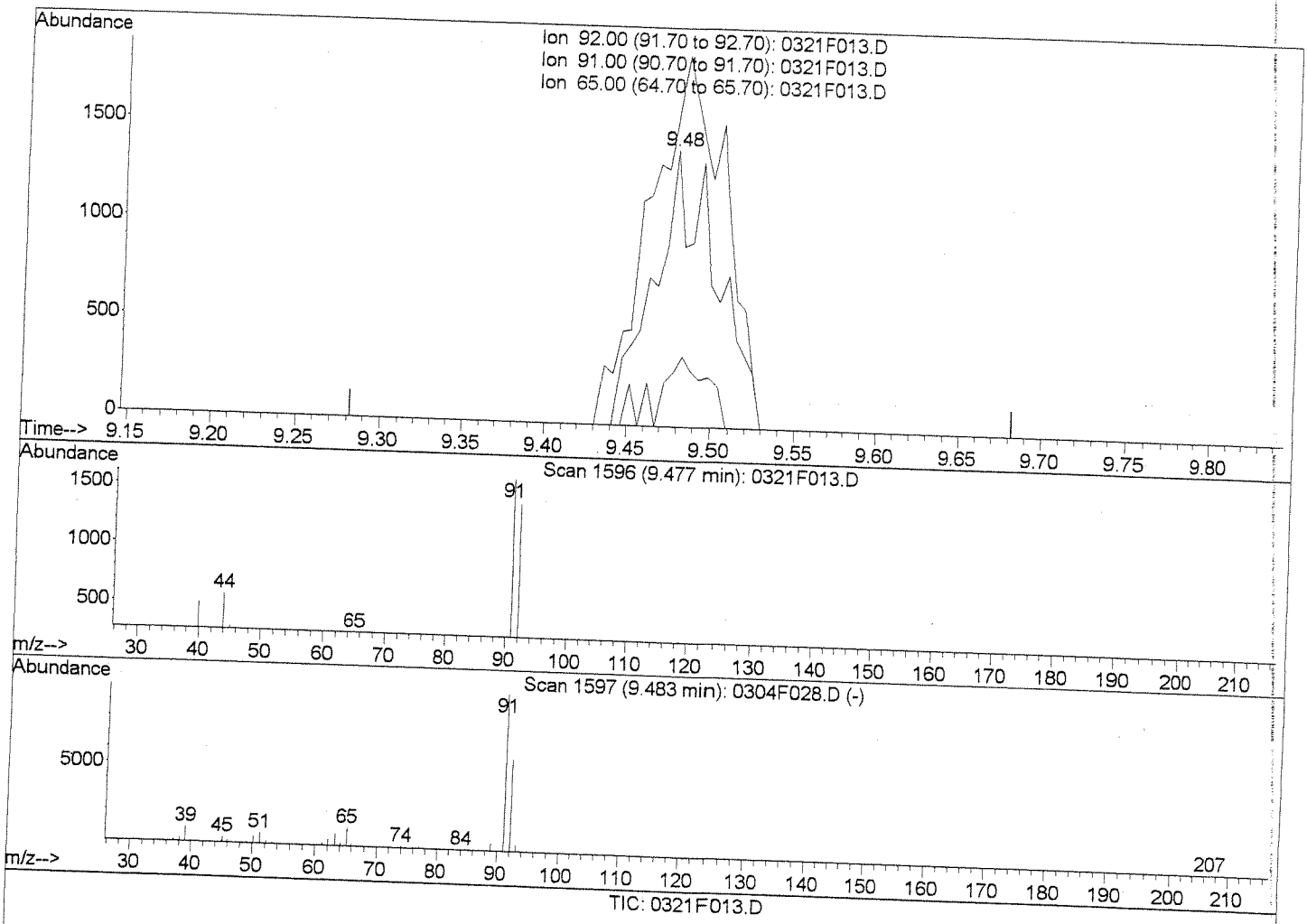
0321F013.D 032108_8260W.M Sat Mar 22 00:11:53 2008

Data File : J:\MS13\DATA\032108\0321F013.D
Acq On : 21 Mar 2008 11:04 pm
Sample : 8260 ICAL (Water) #1
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:11 2008

Vial: 13
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



TIC: 0321F013.D

(59) Toluene (CMT)

9.48min 0.11PPB m

response 3575

Ion	Exp%	Act%
92.00	100	100
91.00	170.20	115.19#
65.00	19.50	19.54
0.00	0.00	0.00

split peak
KB 3/22/08

3/24/08

HC 3.24.08

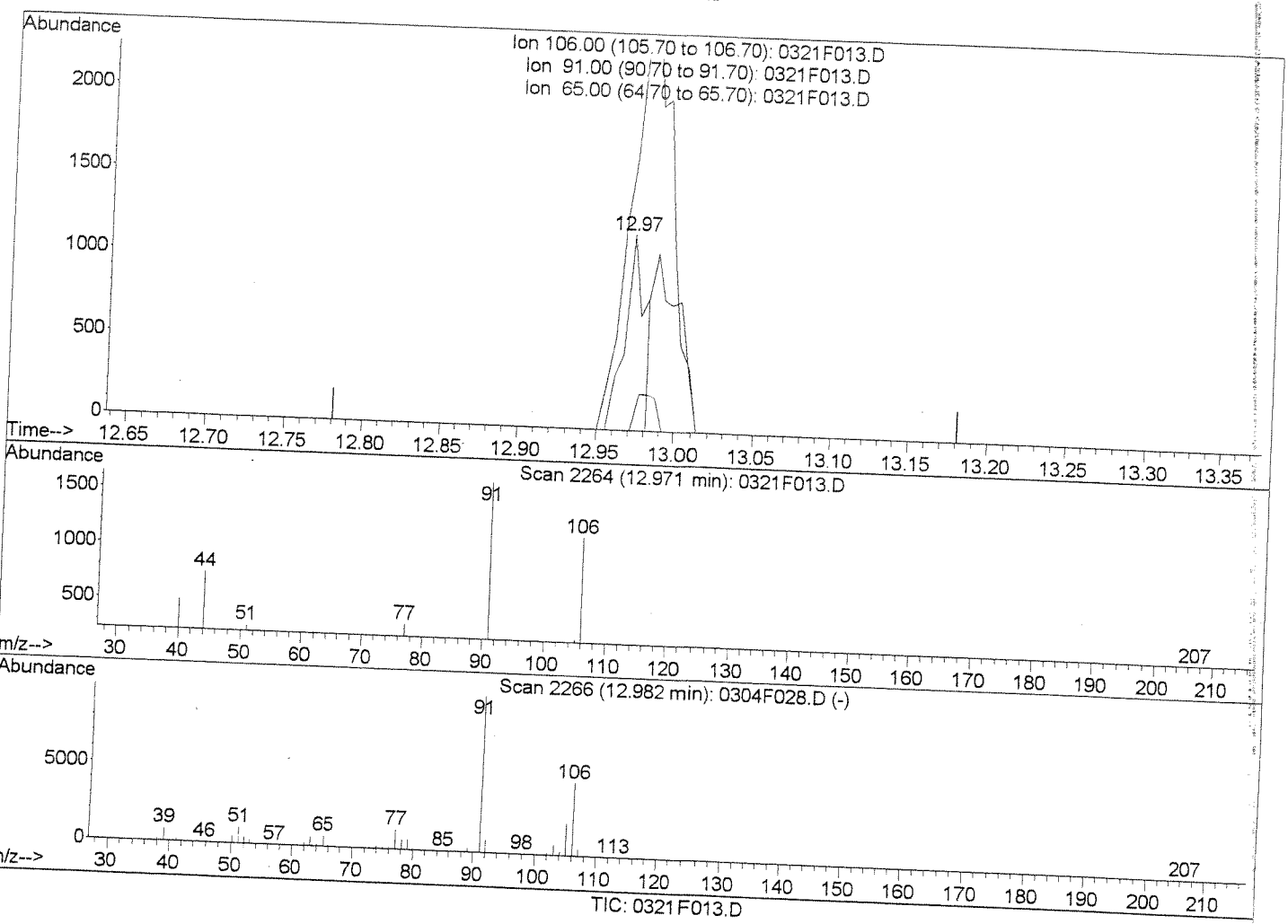
0321F013.D 032108_8260W.M Sat Mar 22 00:12:10 2008

Data File : J:\MS13\DATA\032108\0321F013.D
Acq On : 21 Mar 2008 11:04 pm
Sample : 8260 ICAL (Water) #1
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:12 2008

Vial: 13
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



TIC: 0321F013.D

(75) o-Xylene (T)

12.97min 0.04PPB

response 1083

Ion	Exp%	Act%
106.00	100	100
91.00	213.40	139.46#
65.00	14.20	0.00
0.00	0.00	0.00

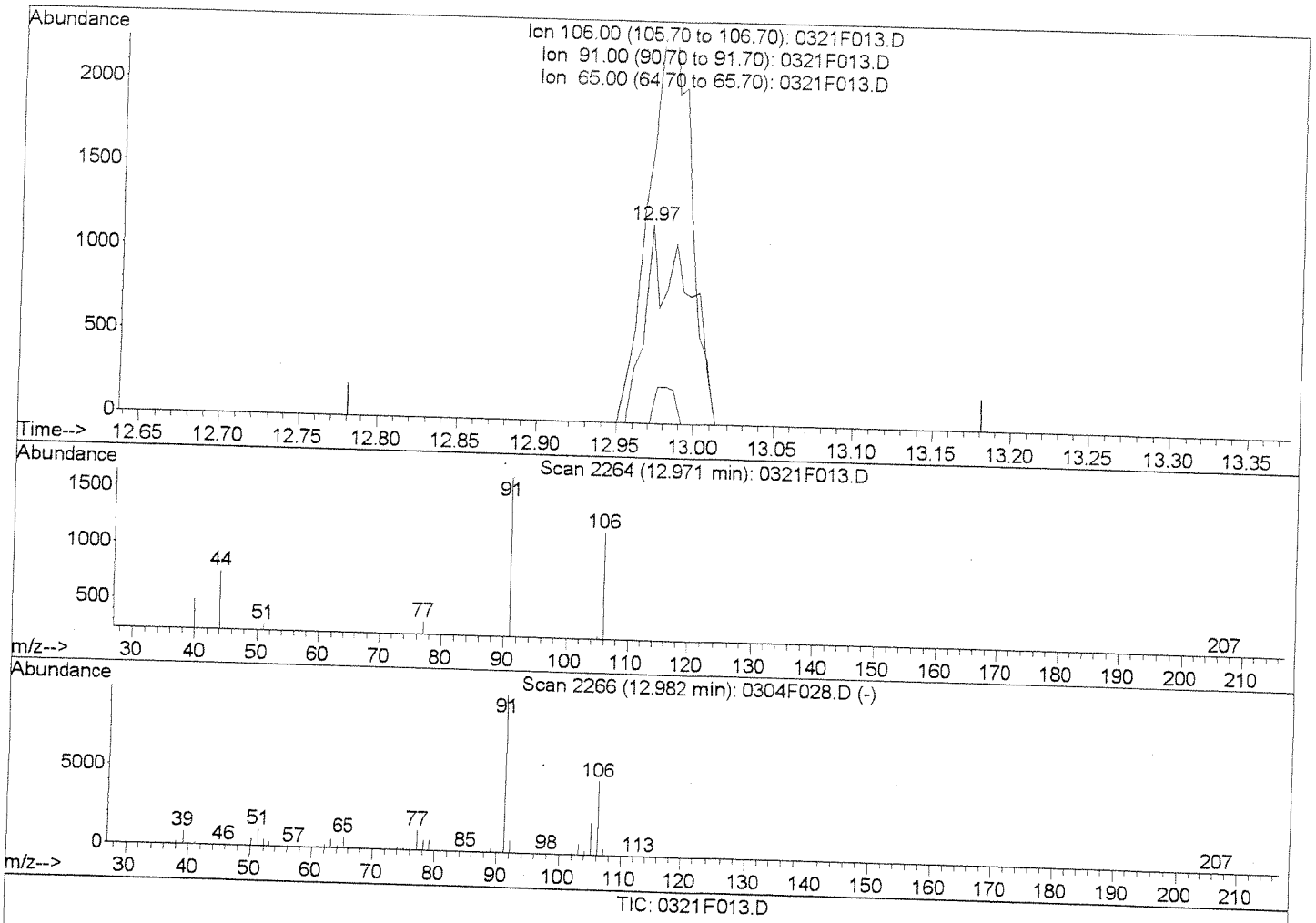
0321F013.D 032108_8260W.M Sat Mar 22 00:12:46 2008

Data File : J:\MS13\DATA\032108\0321F013.D
Acq On : 21 Mar 2008 11:04 pm
Sample : 8260 ICAL (Water) #1
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:12 2008

Vial: 13
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(75) o-Xylene (T)

12.97min 0.09PPB m

response 2255

Ion	Exp%	Act%
106.00	100	100
91.00	213.40	139.46#
65.00	14.20	0.00
0.00	0.00	0.00

split peak

LB 3/22/08

3/22/08

HC 3-24-08

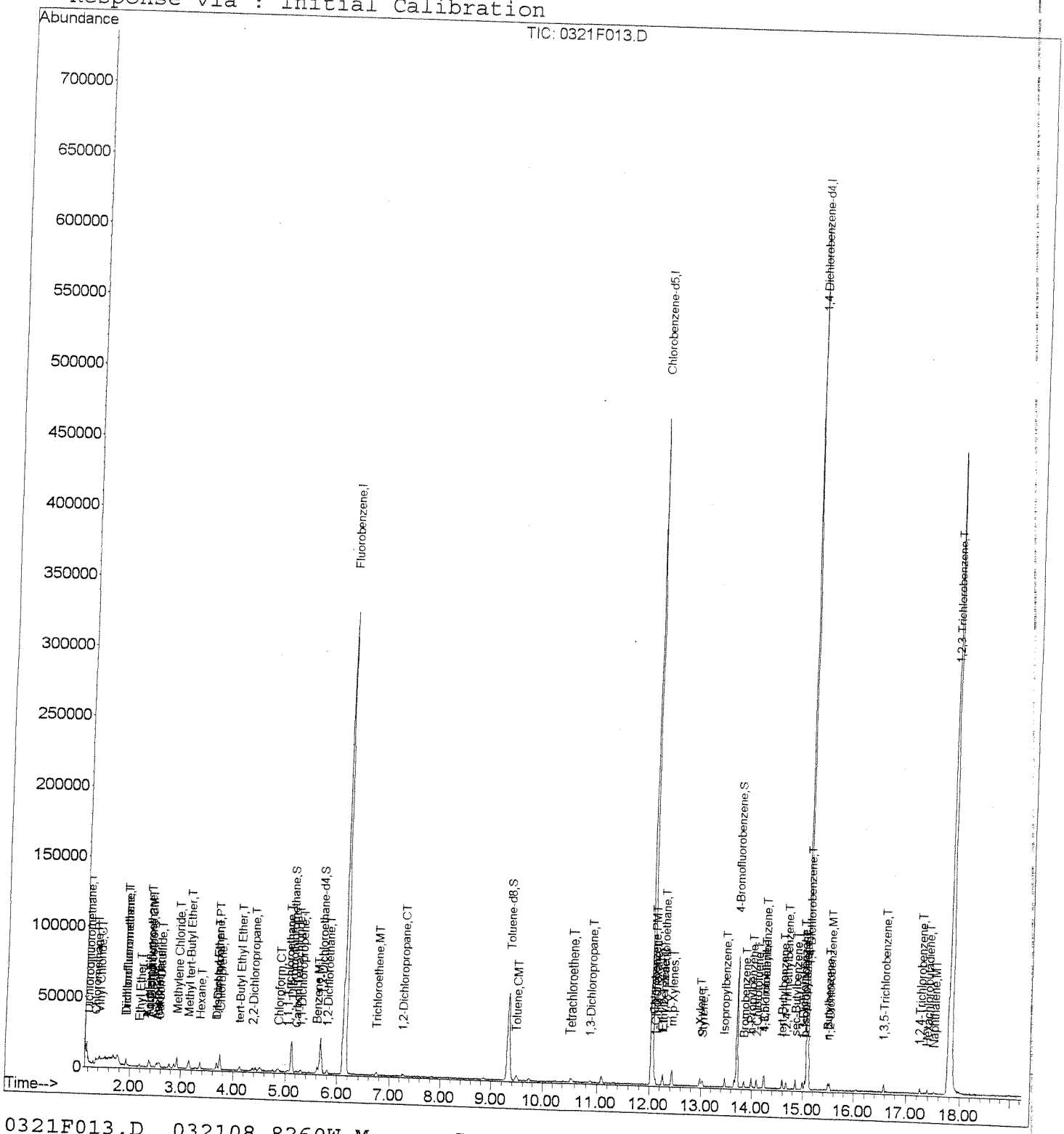
0321F013.D 032108_8260W.M Sat Mar 22 00:12:52 2008

Data File : J:\MS13\DATA\032108\0321F013.D
Acq On : 21 Mar 2008 11:04 pm
Sample : 8260 ICAL (Water) #1
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:12 2008

Vial: 13
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration



0321F013.D 032108_8260W.M Sat Mar 22 00:13:27 2008 Page 3

Data File : J:\MS13\DATA\032108\0321F014.D
Acq On : 21 Mar 2008 11:32 pm
Sample : 8260 ICAL (Water) #2
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 00:13:32 2008

Vial: 14
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.14	96	466981	10.00	PPB		0.00
60) Chlorobenzene-d5	12.05	82	198451	10.00	PPB		0.00
81) 1,4-Dichlorobenzene-d4	15.08	152	181209	10.00	PPB		0.00
System Monitoring Compounds							
40) Dibromofluoromethane	5.12	113	30050	2.82	PPB		0.00
Spiked Amount 10.000			Recovery = 28.20%				
44) 1,2-Dichloroethane-d4	5.68	65	39070	3.28	PPB		0.00
Spiked Amount 10.000			Recovery = 32.80%				
58) Toluene-d8	9.33	98	126406	2.49	PPB		0.00
Spiked Amount 10.000			Recovery = 24.90%				
80) 4-Bromofluorobenzene	13.71	95	52516	2.74	PPB		0.00
Spiked Amount 10.000			Recovery = 27.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	1879	0.14	PPB		92
3) Chloromethane	1.34	50	2795	0.16	PPB		91
4) Vinyl Chloride	1.42	62	2499	0.14	PPB		93
5) Bromomethane	1.68	96	1726	0.17	PPB	#	71
6) Chloroethane	1.76	64	1699	0.16	PPB		94
7) Dichlorofluoromethane	1.94	67	4365	0.19	PPB		87
8) Trichlorofluoromethane	1.93	101	2921	0.16	PPB		91
9) Ethyl Ether	2.19	59	1546	0.19	PPB		95
10) Acrolein	2.37	56	3808	3.30	PPB		88
11) Trichlorotrifluoroethane	2.35	151	1417	0.16	PPB	#	80
12) 1,1-Dichloroethene	2.40	96	1640	0.15	PPB		90
13) Acetone	2.52	43	7079	4.16	PPB		96
14) Iodomethane	2.56	142	7041	0.59	PPB		91
15) Carbon Disulfide	2.58	76	5605	0.14	PPB		98
18) Methylene Chloride	2.92	84	5098	0.37	PPB		86
20) Acrylonitrile	3.27	53	1649	0.59	PPB		94
21) Methyl tert-Butyl Ether	3.13	73	9176	0.34	PPB		89
22) trans-1,2-Dichloroethene	3.15	96	2025	0.15	PPB		89
23) Hexane	3.36	57	3075	0.18	PPB		77
24) Diisopropyl Ether	3.67	45	6152	0.15	PPB		92
25) 1,1-Dichloroethane	3.68	63	4052	0.17	PPB		78
27) Chloroprene	3.73	53	11525	0.56	PPB		94
28) tert-Butyl Ethyl Ether	4.13	59	6139m	0.17	PPB		
29) 2,2-Dichloropropane	4.37	77	2667	0.15	PPB		89
30) cis-1,2-Dichloroethene	4.43	96	2373	0.17	PPB		84
31) 2-Butanone	4.51	72	2282	3.38	PPB	#	75
34) Methacrylonitrile	4.85	67	1741	0.54	PPB	#	67

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

LB 3/22/08 TB 3/24/08

Data File : J:\MS13\DATA\032108\0321F014.D
Acq On : 21 Mar 2008 11:32 pm
Sample : 8260 ICAL (Water) #2
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 00:13:32 2008

Vial: 14
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
35) Bromochloromethane	4.77	128	876	0.16	PPB		80
37) Chloroform	4.88	83	3332	0.16	PPB		94
39) 1,1,1-Trichloroethane	5.06	97	2485	0.14	PPB		78
41) Carbon Tetrachloride	5.22	117	1680	0.12	PPB	#	64
42) 1,1-Dichloropropene	5.29	75	2484	0.14	PPB		92
45) Benzene	5.61	78	9249	0.17	PPB		95
46) 1,2-Dichloroethane	5.79	62	2994	0.21	PPB		79
48) Trichloroethene	6.76	95	2267	0.17	PPB		86
49) 1,2-Dichloropropane	7.27	63	2336	0.18	PPB		85
53) Bromodichloromethane	7.84	83	2190	0.16	PPB		92
56) cis-1,3-Dichloropropene	8.83	75	2379m	0.13	PPB		
57) 4-Methyl-2-pentanone (MIBK	9.32	58	8426	3.29	PPB	#	1
59) Toluene	9.48	92	6106m	0.17	PPB		
62) trans-1,3-Dichloropropene	10.25	75	2253	0.15	PPB		90
64) 1,1,2-Trichloroethane	10.58	83	1161	0.15	PPB		87
65) Tetrachloroethene	10.55	164	1547m	0.14	PPB		
66) 2-Hexanone	11.08	57	1986	2.40	PPB	#	78
67) 1,3-Dichloropropane	10.87	76	2589	0.16	PPB		86
68) Dibromochloromethane	11.18	129	1163	0.15	PPB		85
69) 1,2-Dibromoethane (EDB)	11.33	107	1397	0.18	PPB		81
70) 1-Chlorohexane	12.12	91	2300	0.13	PPB		86
71) Chlorobenzene	12.09	112	7649	0.19	PPB		98
72) Ethylbenzene	12.25	106	3292	0.15	PPB		90
73) 1,1,1,2-Tetrachloroethane	12.25	131	1859	0.18	PPB		84
74) m,p-Xylenes	12.44	106	7820	0.28	PPB		87
75) o-Xylene	12.99	106	4098	0.15	PPB	#	81
76) Styrene	13.04	103	2902	0.14	PPB	#	70
78) Isopropylbenzene	13.47	105	9237	0.14	PPB		94
82) 1,1,2,2-Tetrachloroethane	13.99	83	1161	0.13	PPB		89
84) Bromobenzene	13.85	156	2623	0.17	PPB	#	81
85) n-Propylbenzene	13.99	91	10581	0.14	PPB		99
87) 2-Chlorotoluene	14.10	91	7751	0.16	PPB		97
88) 1,3,5-Trimethylbenzene	14.23	105	7275	0.14	PPB		90
89) 4-Chlorotoluene	14.25	91	8517	0.16	PPB		89
90) tert-Butylbenzene	14.59	119	6041	0.14	PPB		85
91) 1,2,4-Trimethylbenzene	14.67	105	7438	0.14	PPB		99
92) sec-Butylbenzene	14.85	105	8404	0.14	PPB		97
93) p-Isopropyltoluene	15.03	119	6422	0.13	PPB		86
94) 1,3-Dichlorobenzene	14.99	146	5219	0.17	PPB		89
95) 1,4-Dichlorobenzene	15.11	146	5960	0.19	PPB		88
96) n-Butylbenzene	15.49	91	5840	0.14	PPB		92

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

Data File : J:\MS13\DATA\032108\0321F014.D
Acq On : 21 Mar 2008 11:32 pm
Sample : 8260 ICAL (Water) #2
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 00:13:32 2008

Vial: 14
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
97)	1,2-Dichlorobenzene	15.52	146	4490	0.16	PPB		98
99)	1,3,5-Trichlorobenzene	16.57	180	3985	0.23	PPB		96
100)	1,2,4-Trichlorobenzene	17.25	180	2648	0.18	PPB		94
101)	Hexachlorobutadiene	17.39	225	1377	0.20	PPB		81
102)	Naphthalene	17.52	128	3872	0.15	PPB		93
103)	1,2,3-Trichlorobenzene	17.78	180	2425	0.21	PPB	#	1

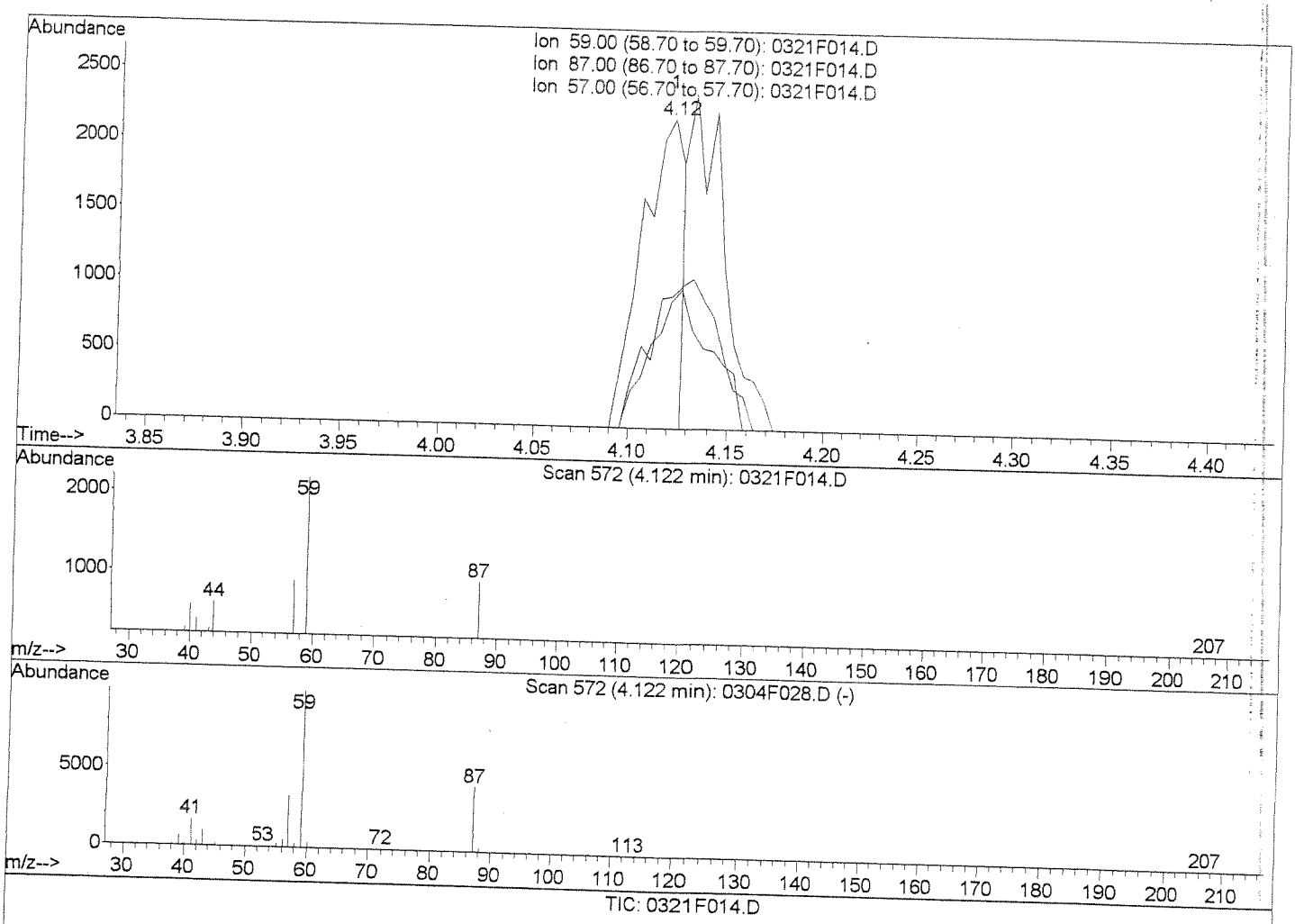
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS13\DATA\032108\0321F014.D
Acq On : 21 Mar 2008 11:32 pm
Sample : 8260 ICAL (Water) #2
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:14 2008

Vial: 14
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



TIC: 0321F014.D

(28) tert-Butyl Ethyl Ether (T)

4.12min 0.09PPB

response 3336

Ion	Exp%	Act%
59.00	100	100
87.00	41.40	42.37
57.00	33.40	40.92
0.00	0.00	0.00

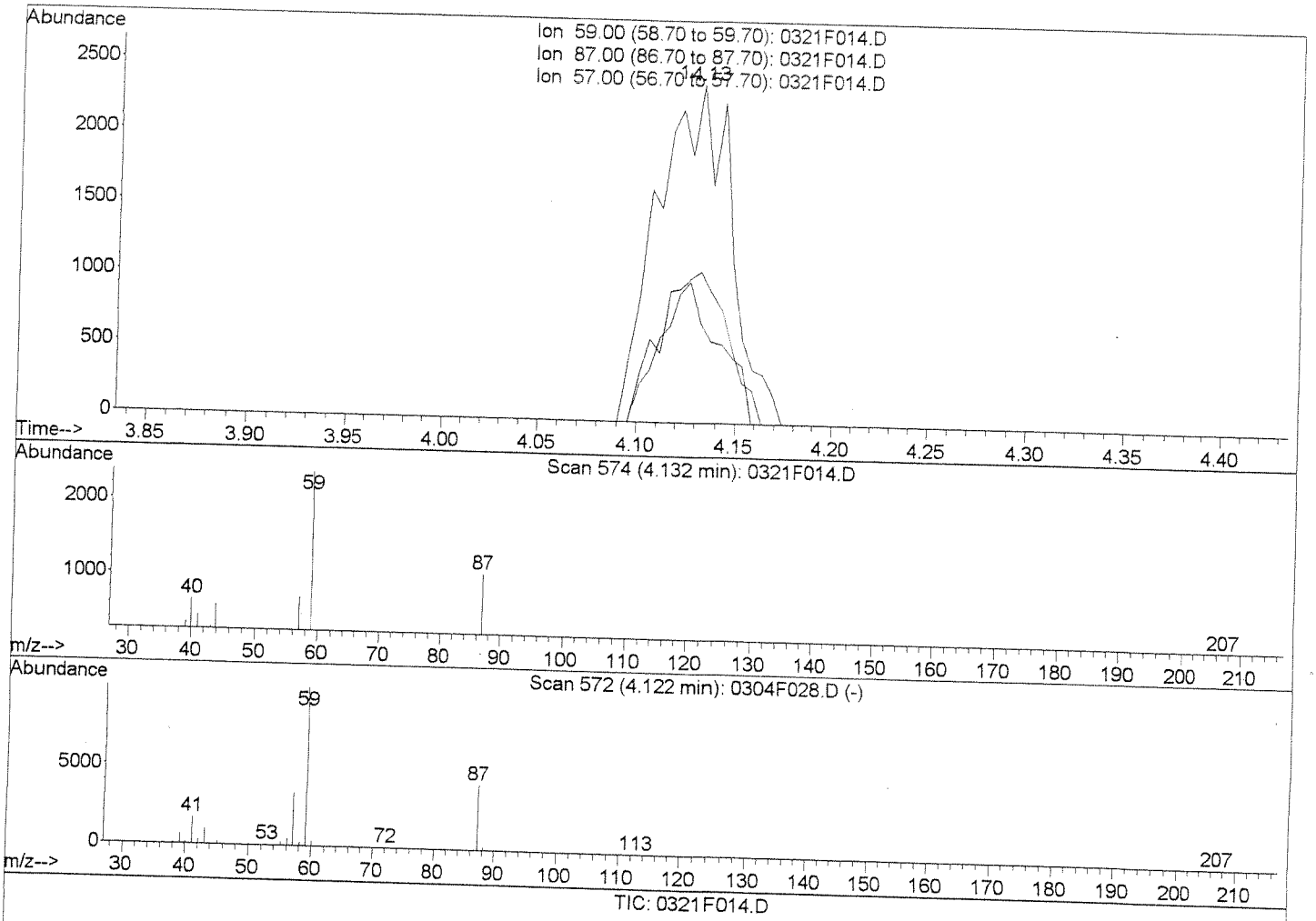
0321F014.D 032108_8260W.M Sat Mar 22 00:14:23 2008

Data File : J:\MS13\DATA\032108\0321F014.D
Acq On : 21 Mar 2008 11:32 pm
Sample : 8260 ICAL (Water) #2
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:14 2008

Vial: 14
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



TIC: 0321F014.D

(28) tert-Butyl Ethyl Ether (T)

4.13min 0.17PPB m

response 6139

Ion	Exp%	Act%
59.00	100	100
87.00	41.40	44.57
57.00	33.40	29.43
0.00	0.00	0.00

split peak
LC 3/22/08

HC 3-24-08

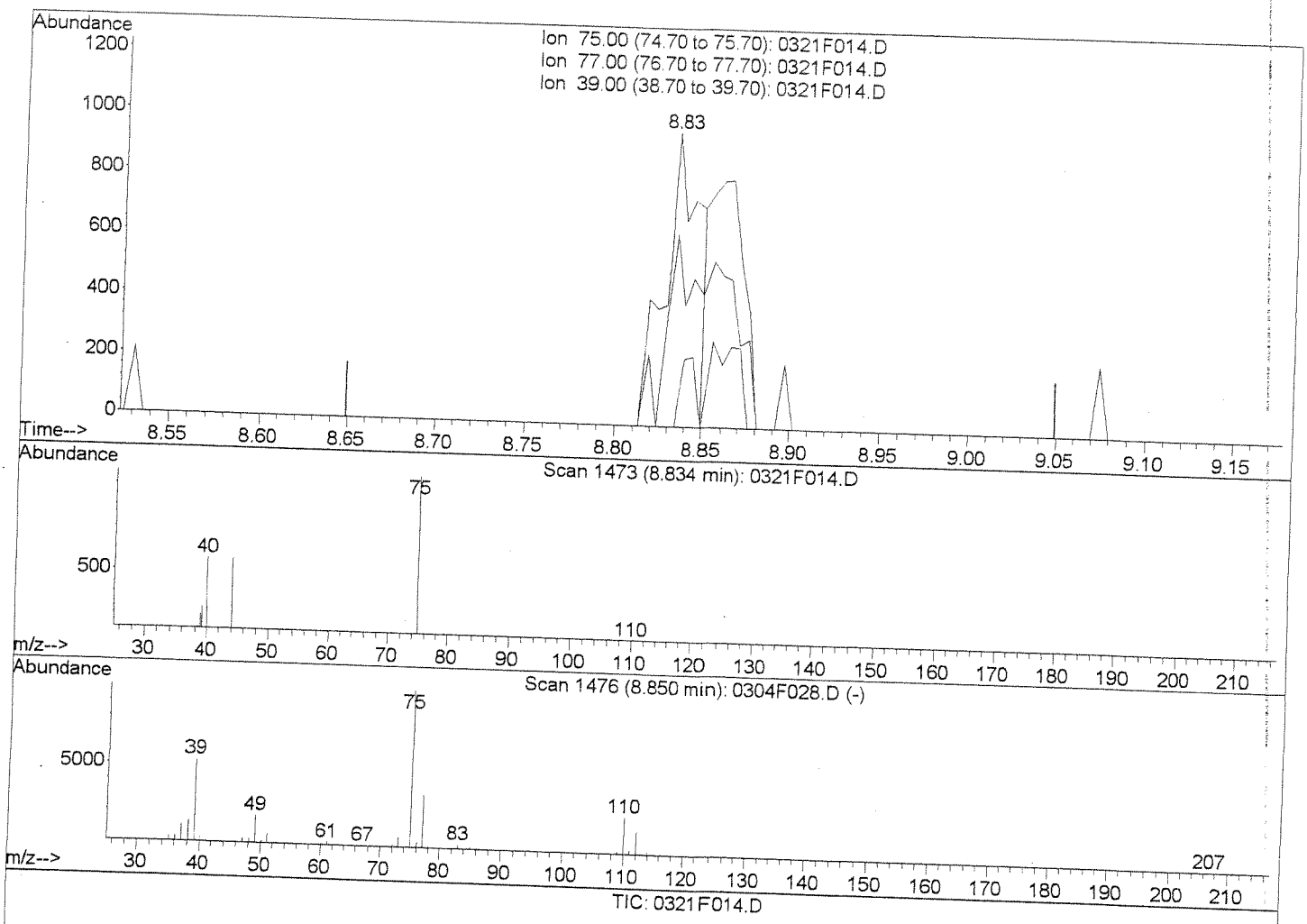
0321F014.D 032108_8260W.M Sat Mar 22 00:14:26 2008

Data File : J:\MS13\DATA\032108\0321F014.D
Acq On : 21 Mar 2008 11:32 pm
Sample : 8260 ICAL (Water) #2
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:18 2008

Vial: 14
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(56) cis-1,3-Dichloropropene (T)

8.83min 0.07PPB

response 1343

Ion	Exp%	Act%
75.00	100	100
77.00	33.60	0.00#
39.00	52.50	65.24
0.00	0.00	0.00

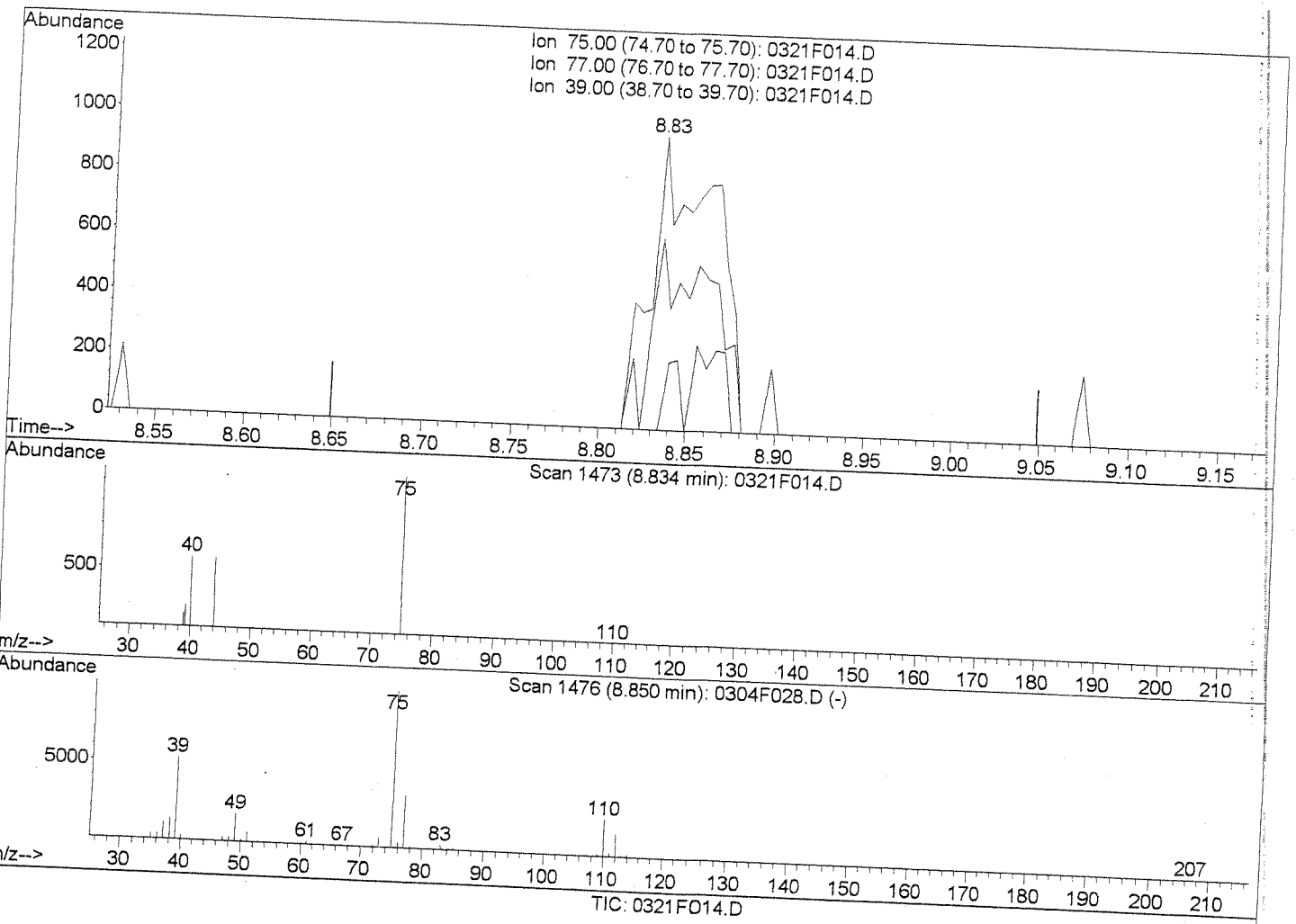
0321F014.D 032108_8260W.M Sat Mar 22 00:18:46 2008

Data File : J:\MS13\DATA\032108\0321F014.D
Acq On : 21 Mar 2008 11:32 pm
Sample : 8260 ICAL (Water) #2
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:18 2008

Vial: 14
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(56) cis-1,3-Dichloropropene (T)

8.83min 0.13PPB m

response 2379

Ion	Exp%	Act%
75.00	100	100
77.00	33.60	0.00#
39.00	52.50	34.65
0.00	0.00	0.00

split peak
LB 3/22/08

3/24/08

HR 3.24.08

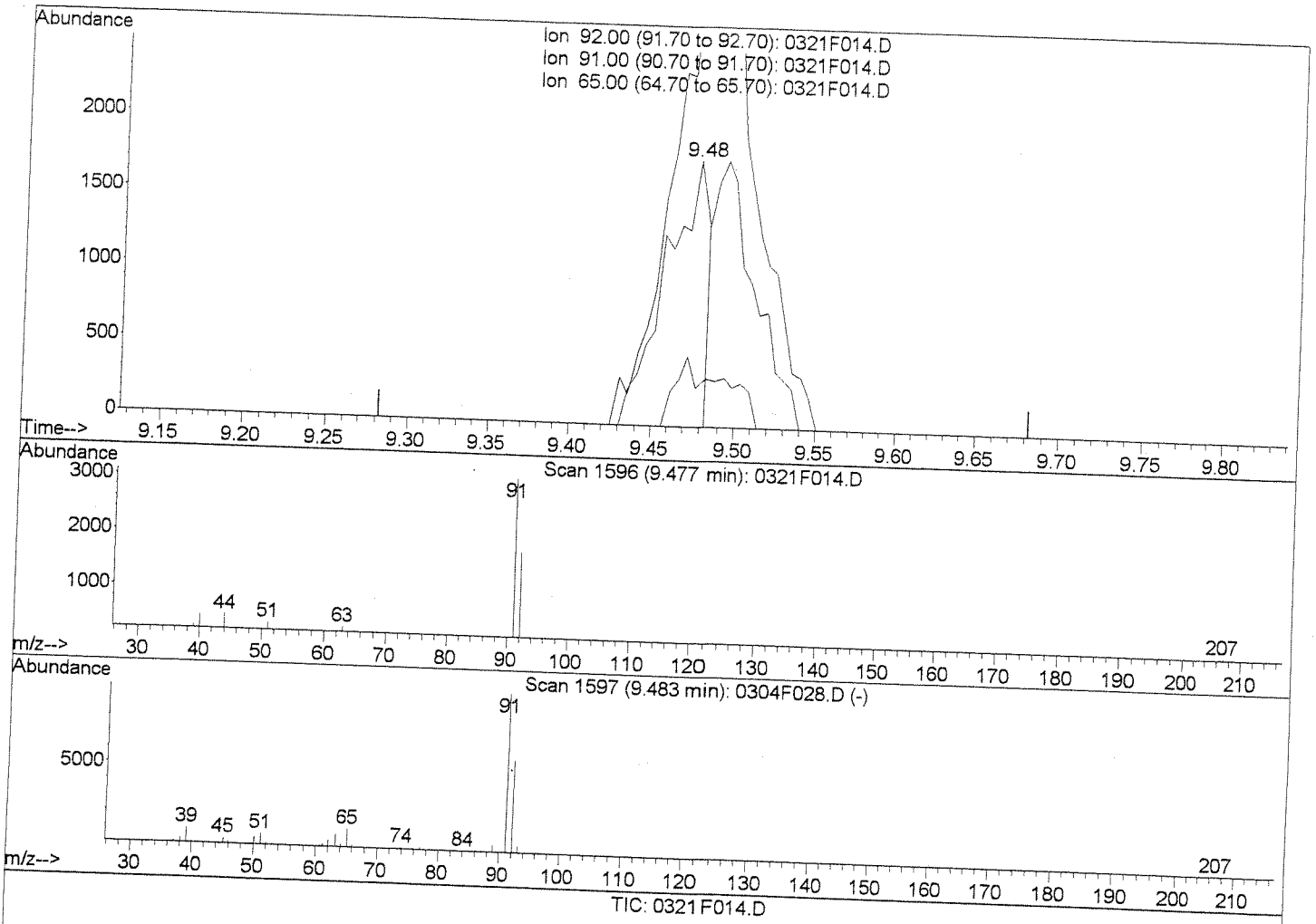
0321F014.D 032108_8260W.M Sat Mar 22 00:18:50 2008

Data File : J:\MS13\DATA\032108\0321F014.D
Acq On : 21 Mar 2008 11:32 pm
Sample : 8260 ICAL (Water) #2
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:18 2008

Vial: 14
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(59) Toluene (CMT)

9.48min 0.08PPB

response 3120

Ion	Exp%	Act%
92.00	100	100
91.00	170.20	174.72
65.00	19.50	14.59
0.00	0.00	0.00

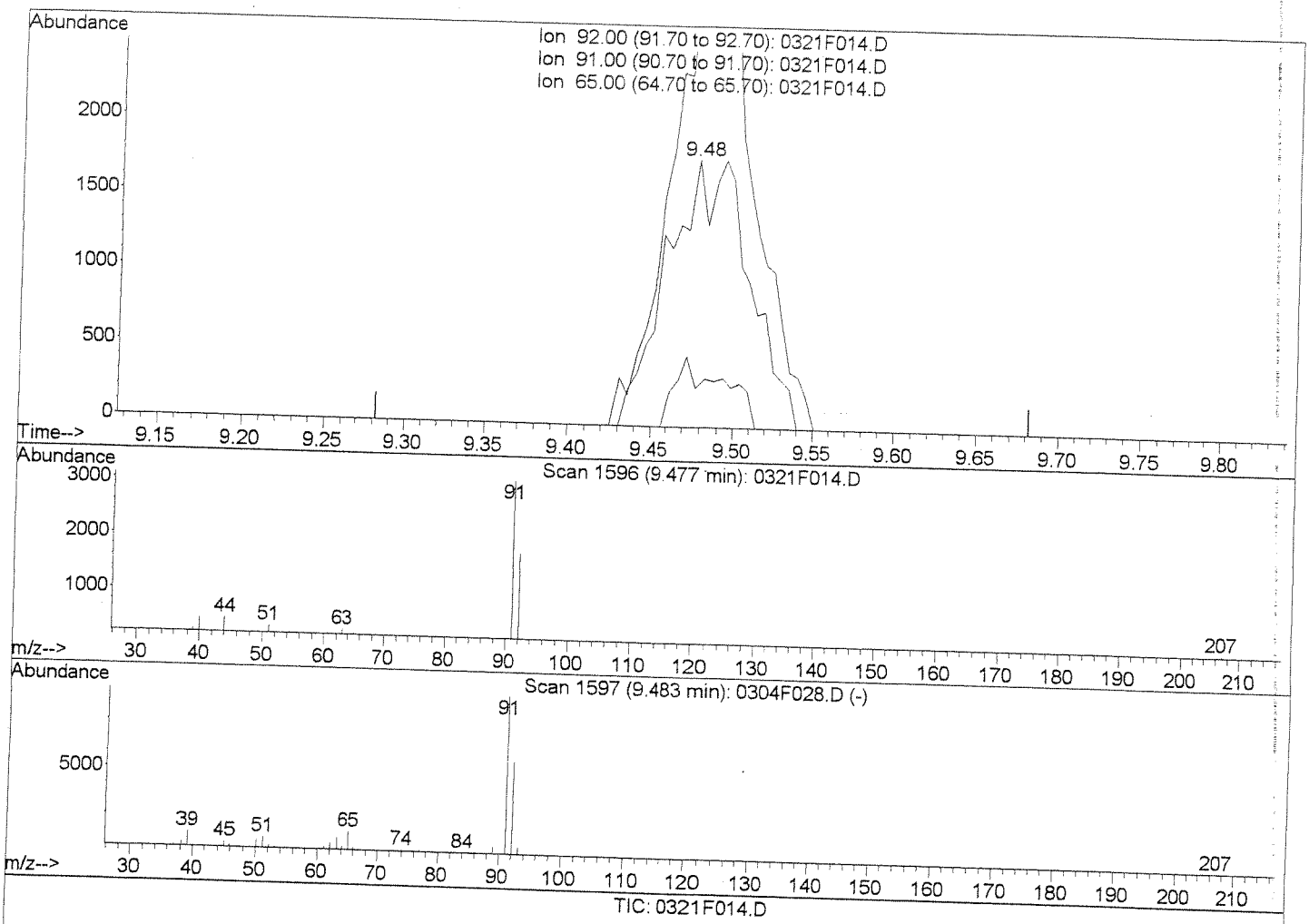
0321F014.D 032108_8260W.M Sat Mar 22 00:18:56 2008

Data File : J:\MS13\DATA\032108\0321F014.D
Acq On : 21 Mar 2008 11:32 pm
Sample : 8260 ICAL (Water) #2
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:18 2008

Vial: 14
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(59) Toluene (CMT)

9.48min 0.17PPB m

response 6106

Ion	Exp%	Act%
92.00	100	100
91.00	170.20	174.72
65.00	19.50	14.59
0.00	0.00	0.00

split peak
LB 3/20/08

HL 3.24.08

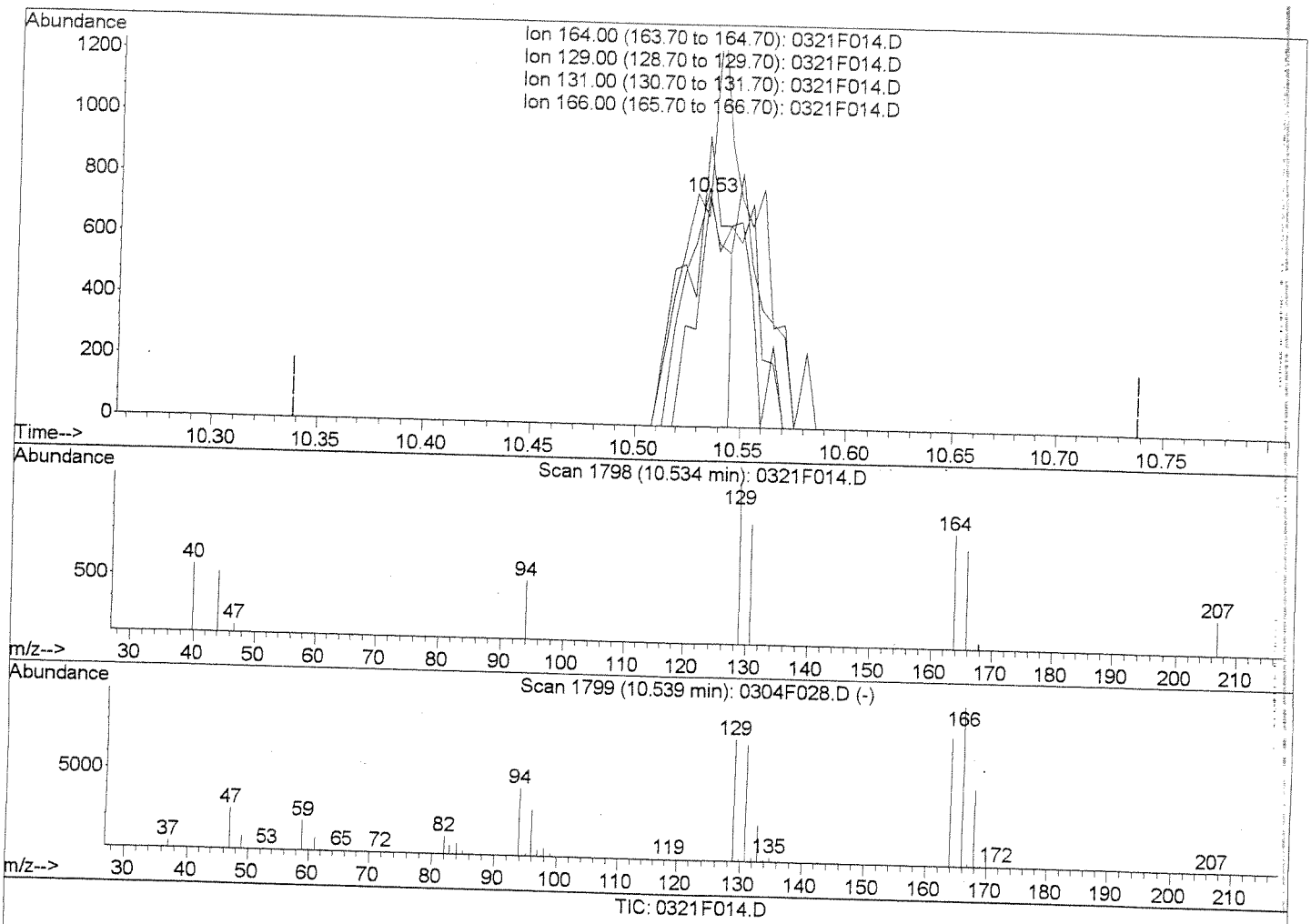
0321F014.D 032108_8260W.M Sat Mar 22 00:19:00 2008

Data File : J:\MS13\DATA\032108\0321F014.D
Acq On : 21 Mar 2008 11:32 pm
Sample : 8260 ICAL (Water) #2
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:19 2008

Vial: 14
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



TIC: 0321F014.D

(65) Tetrachloroethene (T)

10.53min 0.07PPB

response 803

Ion	Exp%	Act%
164.00	100	100
129.00	95.30	92.95
131.00	91.00	103.59
166.00	124.20	63.56#

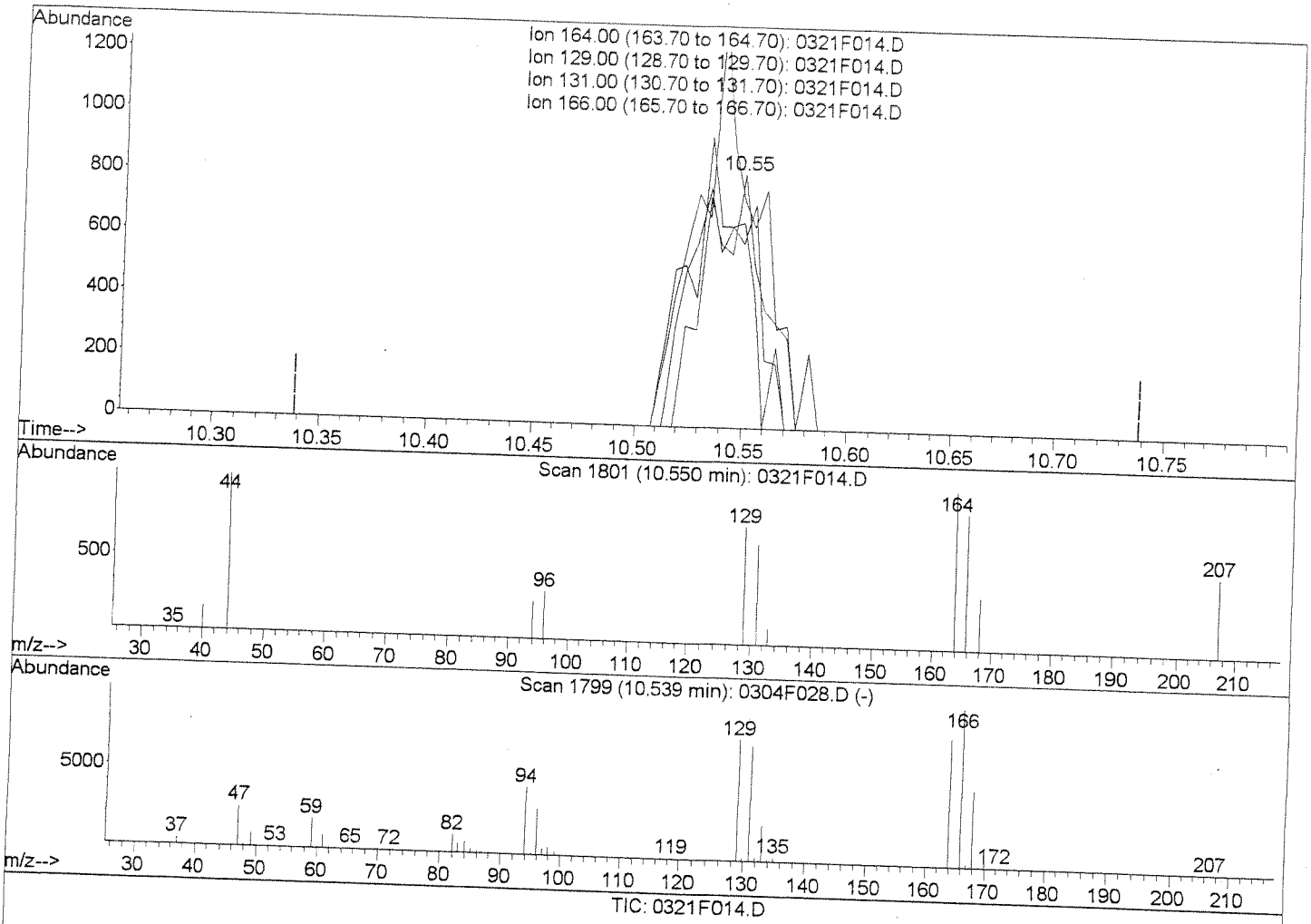
0321F014.D 032108_8260W.M Sat Mar 22 00:19:17 2008

Data File : J:\MS13\DATA\032108\0321F014.D
Acq On : 21 Mar 2008 11:32 pm
Sample : 8260 ICAL (Water) #2
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:19 2008

Vial: 14
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(65) Tetrachloroethene (T)

10.55min 0.14PPB m

response 1547

Ion	Exp%	Act%
164.00	100	100
129.00	95.30	80.80
131.00	91.00	72.58
166.00	124.20	89.61#

split peak
LB 3/22/08

HC 3/24/08

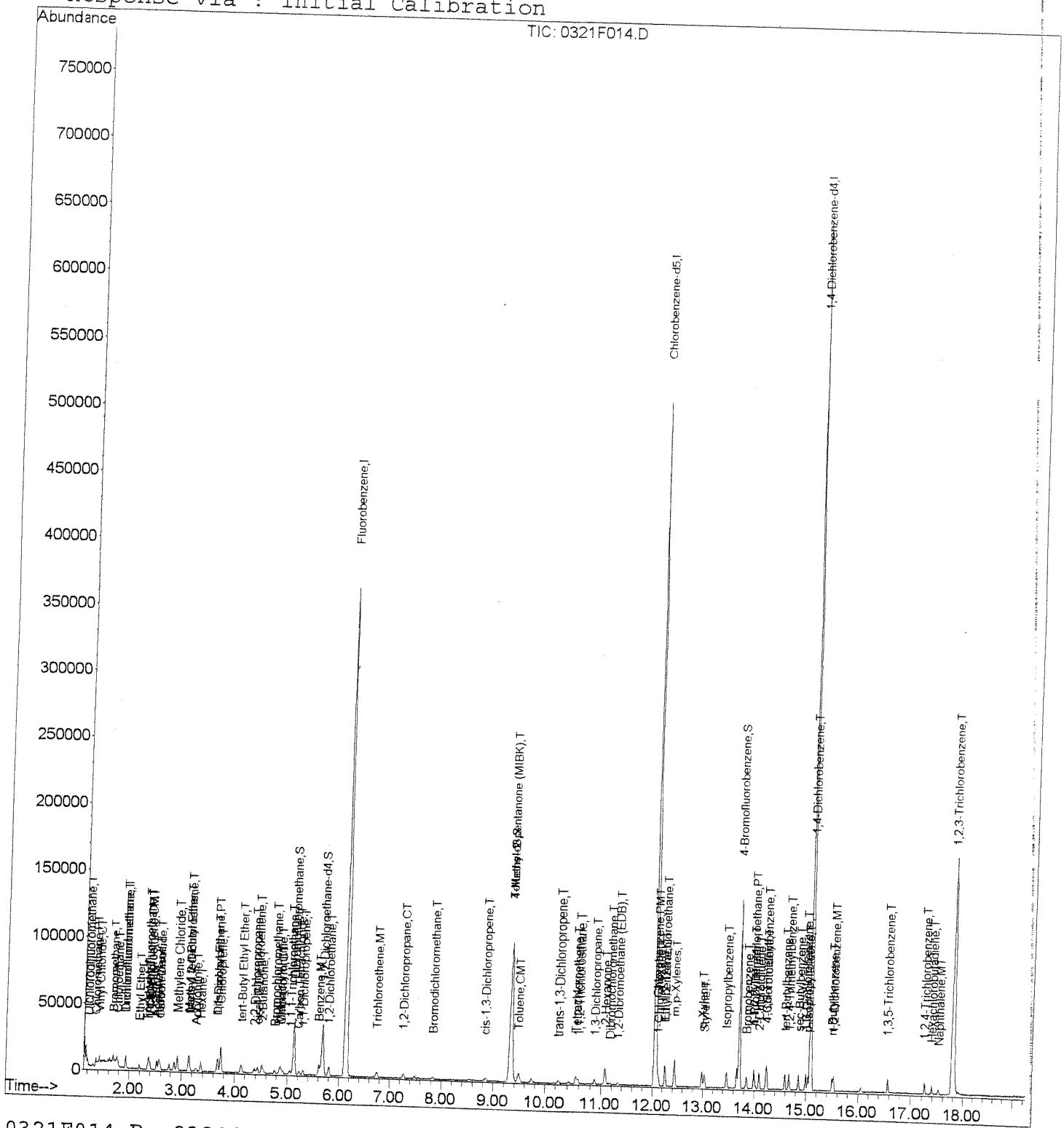
0321F014.D 032108_8260W.M Sat Mar 22 00:19:21 2008

Data File : J:\MS13\DATA\032108\0321F014.D
Acq On : 21 Mar 2008 11:32 pm
Sample : 8260 ICAL (Water) #2
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:20 2008

Vial: 14
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration



Data File : J:\MS13\DATA\032108\0321F015.D
Acq On : 21 Mar 2008 11:59 pm
Sample : 8260 ICAL (Water) #3
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 00:20:44 2008

Vial: 15
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	6.14	96	461725	10.00 PPB	0.00
60) Chlorobenzene-d5	12.05	82	197102	10.00 PPB	0.00
81) 1,4-Dichlorobenzene-d4	15.08	152	180052	10.00 PPB	0.00
System Monitoring Compounds					
40) Dibromofluoromethane	5.13	113	39042	3.70 PPB	0.00
Spiked Amount 10.000			Recovery	= 37.00%	
44) 1,2-Dichloroethane-d4	5.67	65	50452	4.28 PPB	0.00
Spiked Amount 10.000			Recovery	= 42.80%	
58) Toluene-d8	9.33	98	161493	3.21 PPB	0.00
Spiked Amount 10.000			Recovery	= 32.10%	
80) 4-Bromofluorobenzene	13.71	95	67583	3.55 PPB	0.00
Spiked Amount 10.000			Recovery	= 35.50%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.20	85	4022	0.31 PPB	95
3) Chloromethane	1.34	50	5034	0.28 PPB	93
4) Vinyl Chloride	1.42	62	4790	0.27 PPB	93
5) Bromomethane	1.68	96	2490	0.25 PPB	87
6) Chloroethane	1.76	64	3054	0.28 PPB	94
7) Dichlorofluoromethane	1.94	67	6934	0.31 PPB	97
8) Trichlorofluoromethane	1.93	101	5988	0.32 PPB	93
9) Ethyl Ether	2.19	59	2096	0.26 PPB	86
10) Acrolein	2.37	56	5889	5.16 PPB	82
11) Trichlorotrifluoroethane	2.36	151	3012	0.35 PPB	78
12) 1,1-Dichloroethene	2.40	96	3288	0.30 PPB	88
13) Acetone	2.52	43	9809	5.83 PPB	96
14) Iodomethane	2.55	142	12729	1.08 PPB	97
15) Carbon Disulfide	2.58	76	10599	0.28 PPB	99
16) 3-Chloro-1-propene	2.77	76	1524	0.22 PPB #	71
17) Acetonitrile	2.86	40	4745	10.64 PPB	89
18) Methylene Chloride	2.93	84	6059	0.45 PPB	93
20) Acrylonitrile	3.27	53	2429	0.89 PPB	82
21) Methyl tert-Butyl Ether	3.14	73	13983	0.52 PPB	98
22) trans-1,2-Dichloroethene	3.15	96	3827	0.29 PPB	98
23) Hexane	3.36	57	5432	0.32 PPB	96
24) Diisopropyl Ether	3.68	45	9587	0.23 PPB	93
25) 1,1-Dichloroethane	3.68	63	7160	0.31 PPB	91
26) Vinyl Acetate	3.74	86	691	0.35 PPB #	40
27) Chloroprene	3.73	53	21225	1.05 PPB	90
28) tert-Butyl Ethyl Ether	4.13	59	8366	0.24 PPB	93
29) 2,2-Dichloropropane	4.37	77	4668	0.26 PPB	91

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

LB 3/22/08 HB 3/24/08

Data File : J:\MS13\DATA\032108\0321F015.D
Acq On : 21 Mar 2008 11:59 pm
Sample : 8260 ICAL (Water) #3
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 00:20:44 2008

Vial: 15
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
30) cis-1,2-Dichloroethene	4.42	96	3866	0.28 PPB		81
31) 2-Butanone	4.50	72	3566	5.33 PPB	#	87
34) Methacrylonitrile	4.86	67	3131	0.98 PPB	#	50
35) Bromochloromethane	4.76	128	1503	0.28 PPB	#	57
37) Chloroform	4.88	83	6477	0.31 PPB		92
38) tert-Butyl Formate	4.91	59	983	0.11 PPB		76
39) 1,1,1-Trichloroethane	5.05	97	5328	0.30 PPB		91
41) Carbon Tetrachloride	5.23	117	3577	0.27 PPB	#	70
42) 1,1-Dichloropropene	5.30	75	5167	0.29 PPB		94
45) Benzene	5.61	78	15366	0.28 PPB		91
46) 1,2-Dichloroethane	5.81	62	4128	0.30 PPB		94
47) tert-Amyl Methyl Ether	5.81	55	2116m	0.31 PPB		
48) Trichloroethene	6.76	95	3782	0.29 PPB		85
49) 1,2-Dichloropropane	7.26	63	2891	0.22 PPB		91
50) Dibromomethane	7.51	93	1413m	0.25 PPB		
51) Methyl methacrylate	7.56	69	1111m	0.20 PPB		
53) Bromodichloromethane	7.84	83	3499	0.26 PPB		71
55) 2-Chloroethyl Vinyl Ether	8.63	63	814	0.16 PPB	#	68
56) cis-1,3-Dichloropropene	8.84	75	4128	0.22 PPB		95
57) 4-Methyl-2-pentanone (MIBK	9.32	58	12540	4.96 PPB	#	1
59) Toluene	9.49	92	10478	0.29 PPB		80
62) trans-1,3-Dichloropropene	10.26	75	2871m	0.19 PPB		
63) Ethyl methacrylate	10.43	69	2090	0.18 PPB		74
64) 1,1,2-Trichloroethane	10.58	83	1934	0.25 PPB		88
65) Tetrachloroethene	10.55	164	3029	0.28 PPB	#	79
66) 2-Hexanone	11.08	57	3172	3.86 PPB		89
67) 1,3-Dichloropropane	10.87	76	4072	0.25 PPB		93
68) Dibromochloromethane	11.17	129	1609	0.21 PPB		85
69) 1,2-Dibromoethane (EDB)	11.33	107	1753	0.23 PPB	#	63
70) 1-Chlorohexane	12.12	91	5030	0.28 PPB		94
71) Chlorobenzene	12.09	112	11172	0.29 PPB		87
72) Ethylbenzene	12.25	106	5769	0.26 PPB		99
73) 1,1,1,2-Tetrachloroethane	12.26	131	2557	0.25 PPB		86
74) m,p-Xylenes	12.43	106	13425	0.49 PPB		91
75) o-Xylene	12.98	106	6761	0.26 PPB		82
76) Styrene	13.03	103	4702	0.23 PPB		99
78) Isopropylbenzene	13.47	105	16557	0.26 PPB		92
82) 1,1,2,2-Tetrachloroethane	13.99	83	1829	0.20 PPB		69
84) Bromobenzene	13.85	156	3910	0.25 PPB		95
85) n-Propylbenzene	13.99	91	19417	0.25 PPB		92
86) 1,2,3-Trichloropropane	14.02	110	776	0.31 PPB		86

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

Data File : J:\MS13\DATA\032108\0321F015.D
Acq On : 21 Mar 2008 11:59 pm
Sample : 8260 ICAL (Water) #3
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 00:20:44 2008

Vial: 15
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
87) 2-Chlorotoluene	14.10	91	12889	0.27	PPB		94
88) 1,3,5-Trimethylbenzene	14.23	105	12838	0.24	PPB		99
89) 4-Chlorotoluene	14.25	91	14168	0.26	PPB		96
90) tert-Butylbenzene	14.59	119	11989	0.27	PPB		95
91) 1,2,4-Trimethylbenzene	14.67	105	12431	0.24	PPB		94
92) sec-Butylbenzene	14.85	105	15200	0.26	PPB		97
93) p-Isopropyltoluene	15.03	119	12170	0.24	PPB		94
94) 1,3-Dichlorobenzene	14.99	146	8287	0.27	PPB		95
95) 1,4-Dichlorobenzene	15.11	146	8780	0.29	PPB		86
96) n-Butylbenzene	15.49	91	10357	0.26	PPB		97
97) 1,2-Dichlorobenzene	15.52	146	7518	0.28	PPB		84
99) 1,3,5-Trichlorobenzene	16.57	180	5314	0.31	PPB		99
100) 1,2,4-Trichlorobenzene	17.25	180	4513	0.30	PPB	#	76
101) Hexachlorobutadiene	17.39	225	2436	0.35	PPB		94
102) Naphthalene	17.52	128	5487	0.22	PPB		82
103) 1,2,3-Trichlorobenzene	17.77	180	3882	0.33	PPB	#	65

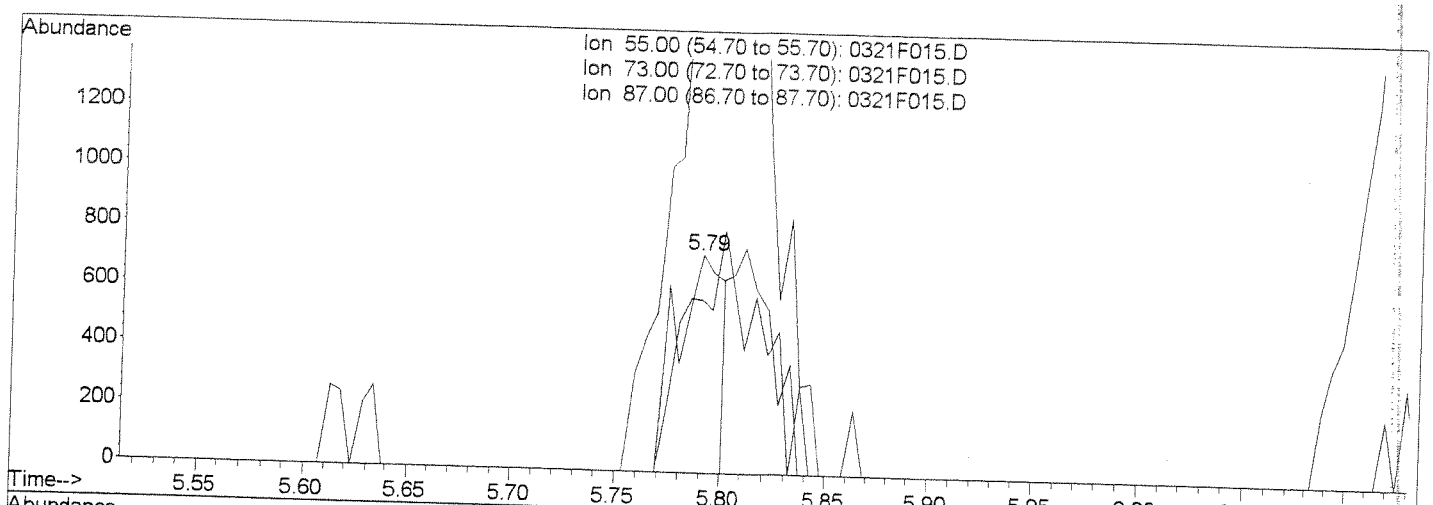
(#) = qualifier out of range (m) = manual integration

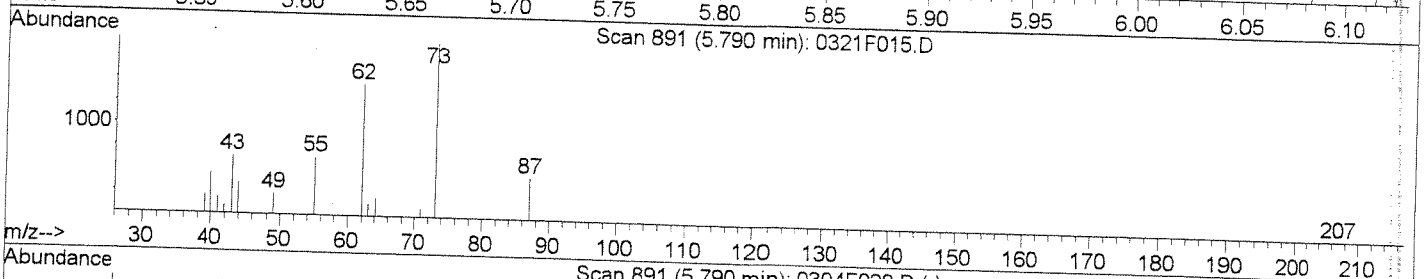
Data File : J:\MS13\DATA\032108\0321F015.D
Acq On : 21 Mar 2008 11:59 pm
Sample : 8260 ICAL (Water) #3
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:21 2008

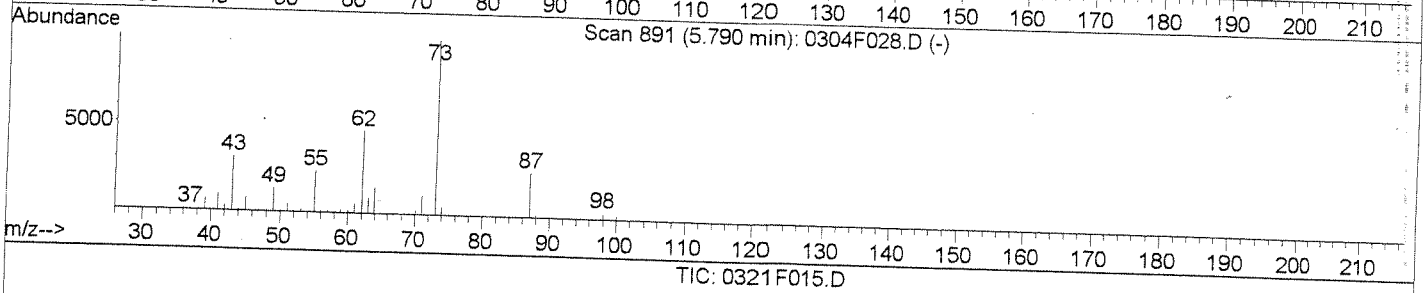
Vial: 15
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Single Level Calibration







TIC: 0321F015.D

(47) tert-Amyl Methyl Ether (T)

5.79min 0.16PPB

response 1122

Ion	Exp%	Act%
55.00	100	100
73.00	419.30	180.58#
87.00	106.00	79.20
0.00	0.00	0.00

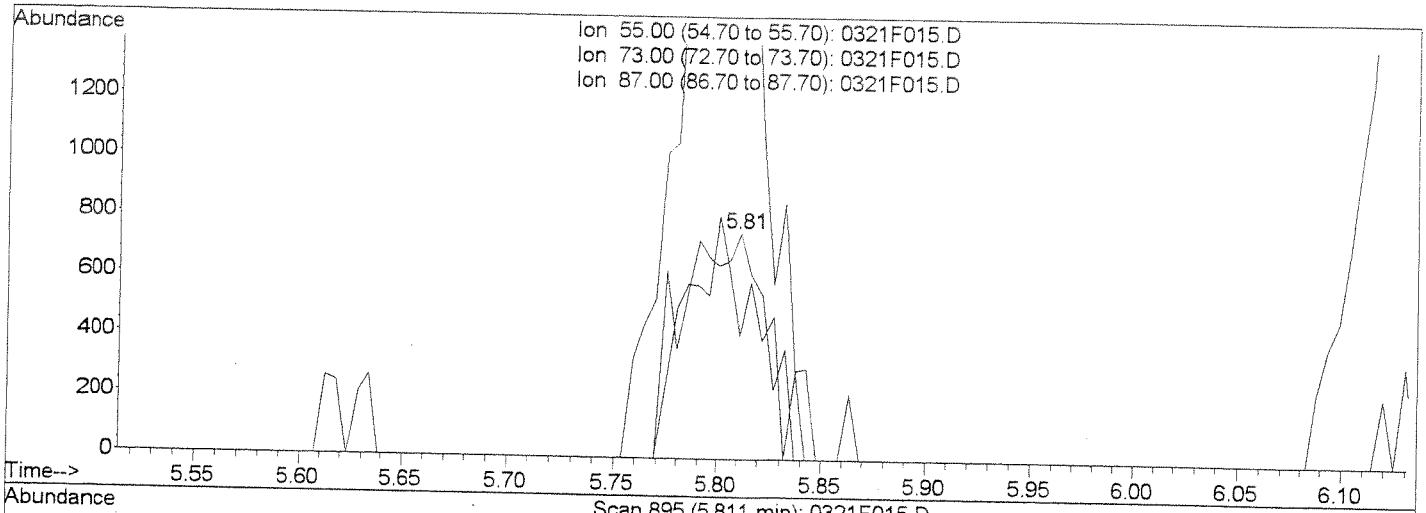
0321F015.D 032108_8260W.M Sat Mar 22 00:21:31 2008

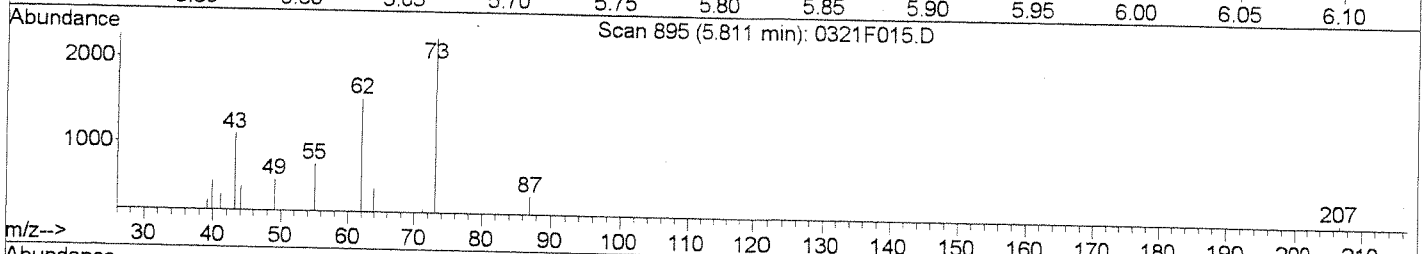
Data File : J:\MS13\DATA\032108\0321F015.D
Acq On : 21 Mar 2008 11:59 pm
Sample : 8260 ICAL (Water) #3
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:21 2008

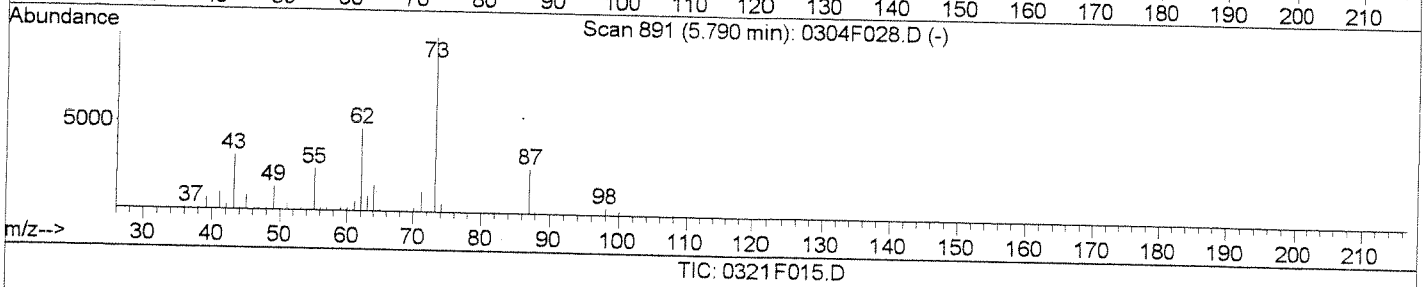
Vial: 15
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Single Level Calibration







TIC: 0321F015.D

(47) tert-Amyl Methyl Ether (T)

5.81min 0.31PPB m

response 2116

Ion	Exp%	Act%
55.00	100	100
73.00	419.30	299.73#
87.00	106.00	54.52#
0.00	0.00	0.00

split peak
KB 3/22/08

HR 3-24-08

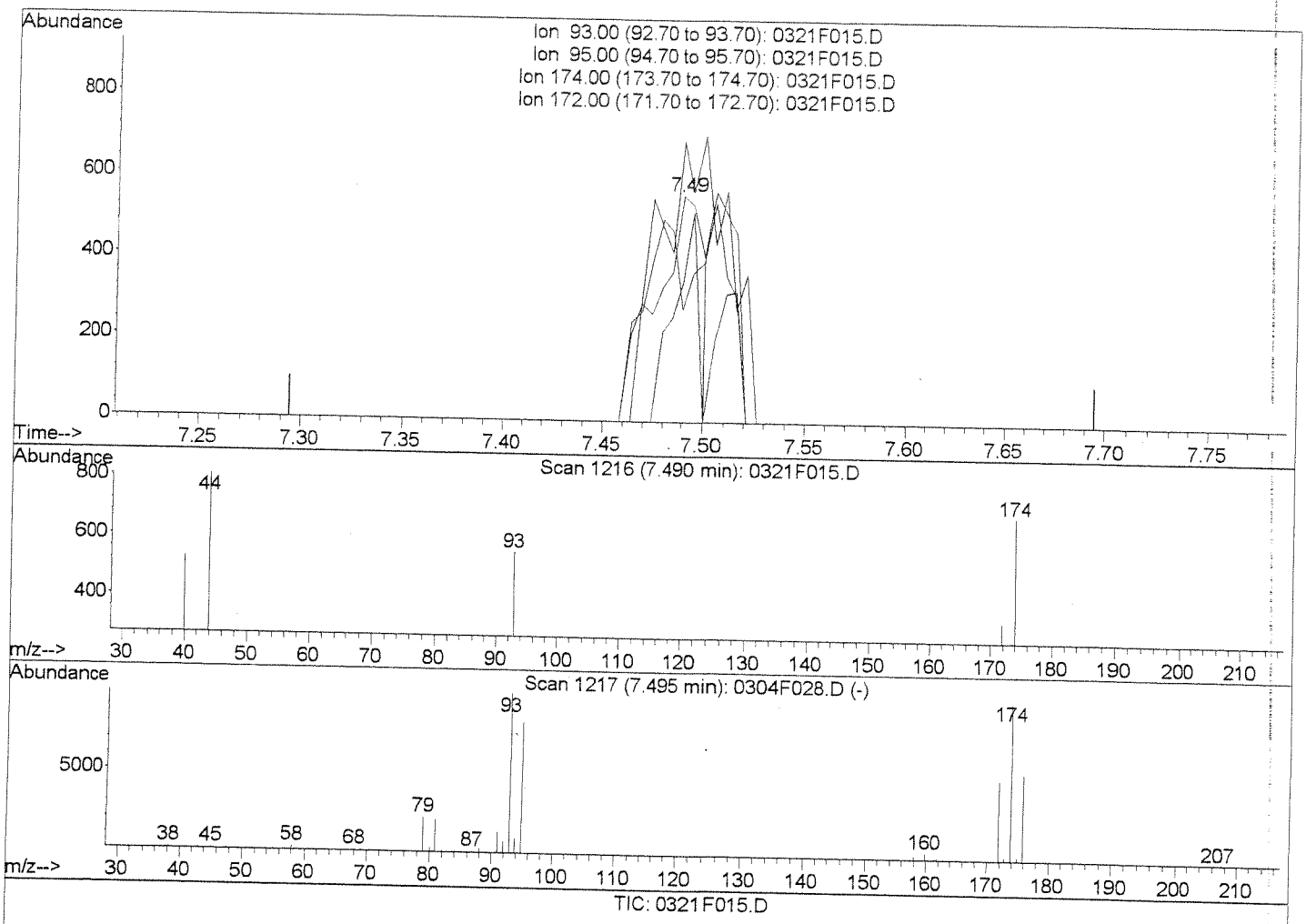
0321F015.D 032108_8260W.M Sat Mar 22 00:21:34 2008

Data File : J:\MS13\DATA\032108\0321F015.D
Acq On : 21 Mar 2008 11:59 pm
Sample : 8260 ICAL (Water) #3
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:21 2008

Vial: 15
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(50) Dibromomethane (T)

7.49min 0.16PPB

response 930

Ion	Exp%	Act%
93.00	100	100
95.00	82.30	49.46#
174.00	98.70	124.28
172.00	50.00	61.51

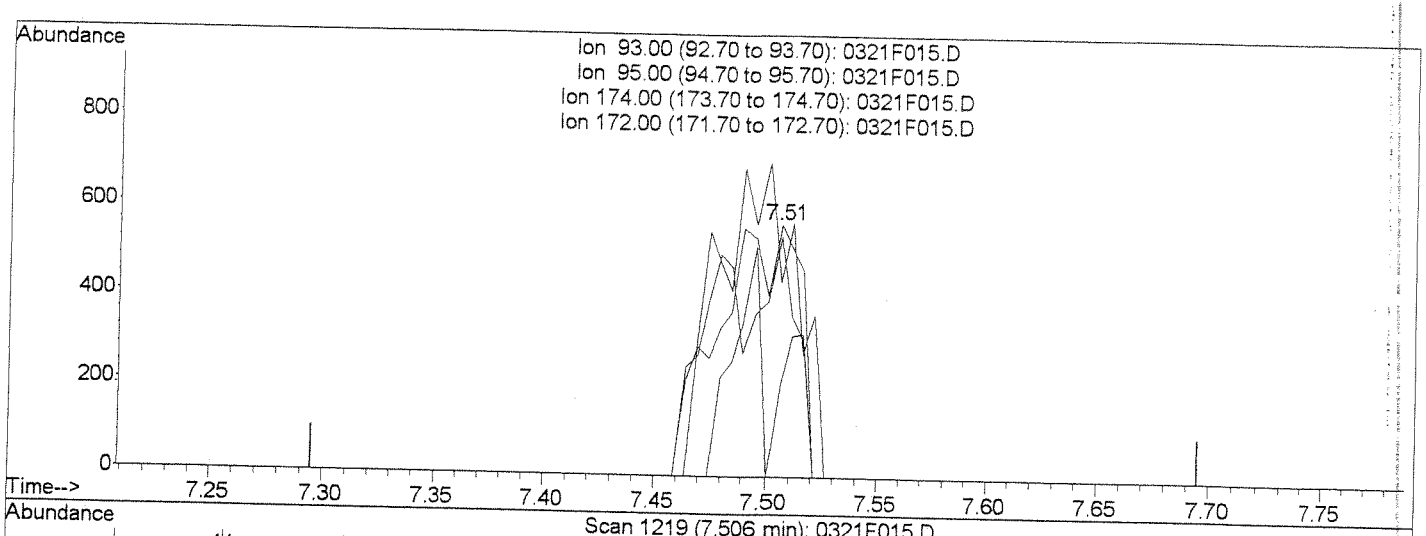
0321F015.D 032108_8260W.M Sat Mar 22 00:21:41 2008

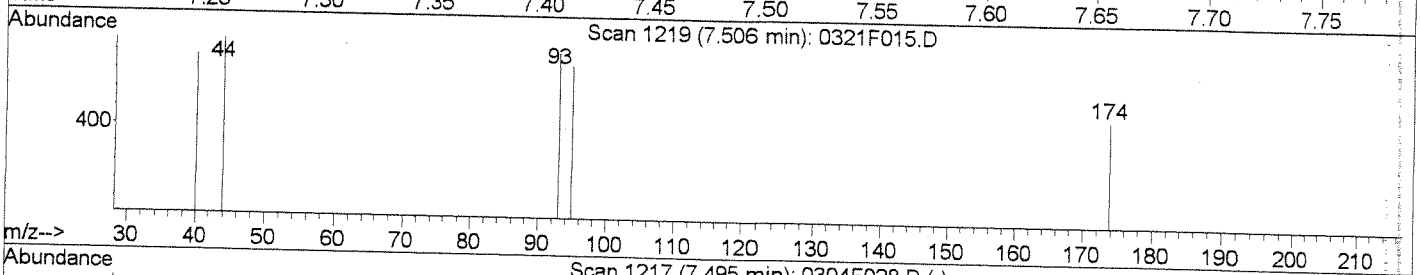
Data File : J:\MS13\DATA\032108\0321F015.D
Acq On : 21 Mar 2008 11:59 pm
Sample : 8260 ICAL (Water) #3
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:21 2008

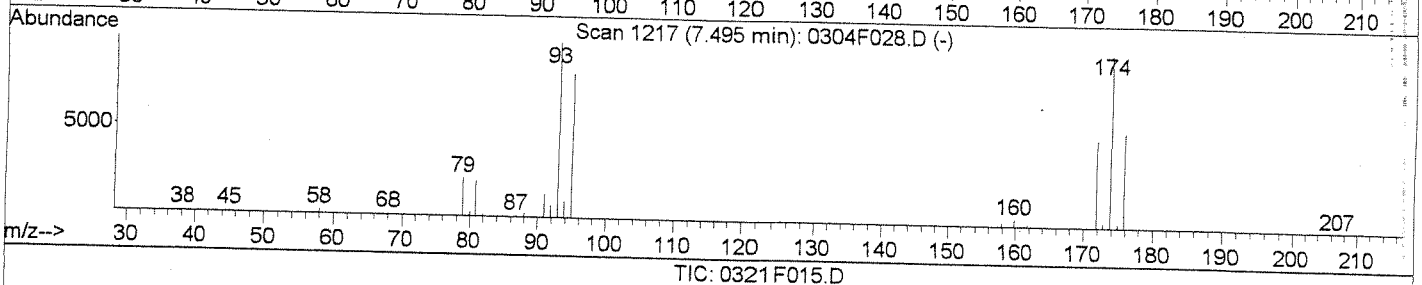
Vial: 15
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration







TIC: 0321F015.D

(50) Dibromomethane (T)

7.51min 0.25PPB m

response 1413

Ion	Exp%	Act%
93.00	100	100
95.00	82.30	95.22
174.00	98.70	77.17
172.00	50.00	36.64

split peak
KB 3/22/08

HZ 3.24.08

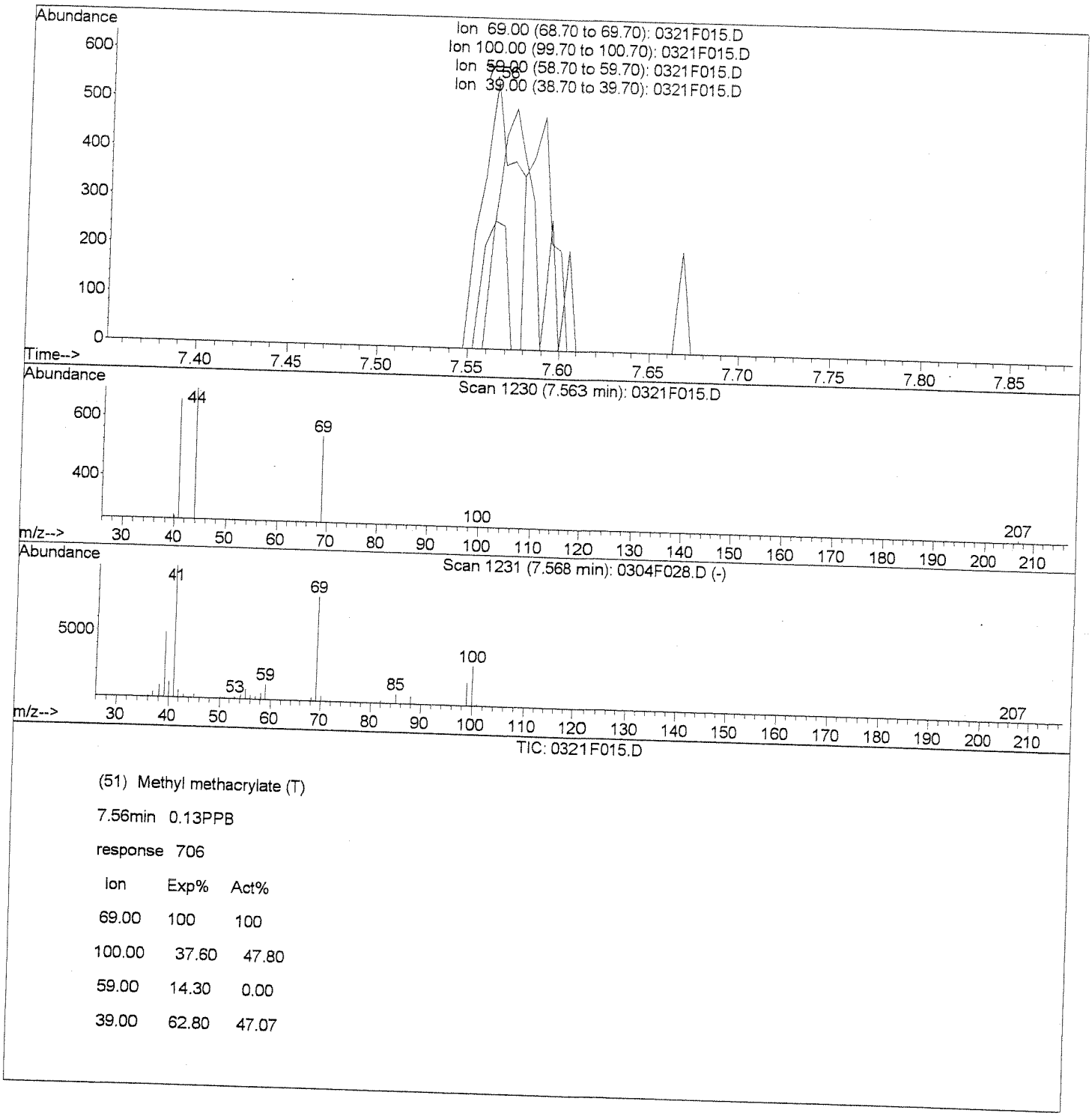
0321F015.D 032108_8260W.M Sat Mar 22 00:21:44 2008

Data File : J:\MS13\DATA\032108\0321F015.D
Acq On : 21 Mar 2008 11:59 pm
Sample : 8260 ICAL (Water) #3
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:21 2008

Vial: 15
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Single Level Calibration



(51) Methyl methacrylate (T)

7.56min 0.13PPB

response 706

Ion	Exp%	Act%
69.00	100	100
100.00	37.60	47.80
59.00	14.30	0.00
39.00	62.80	47.07

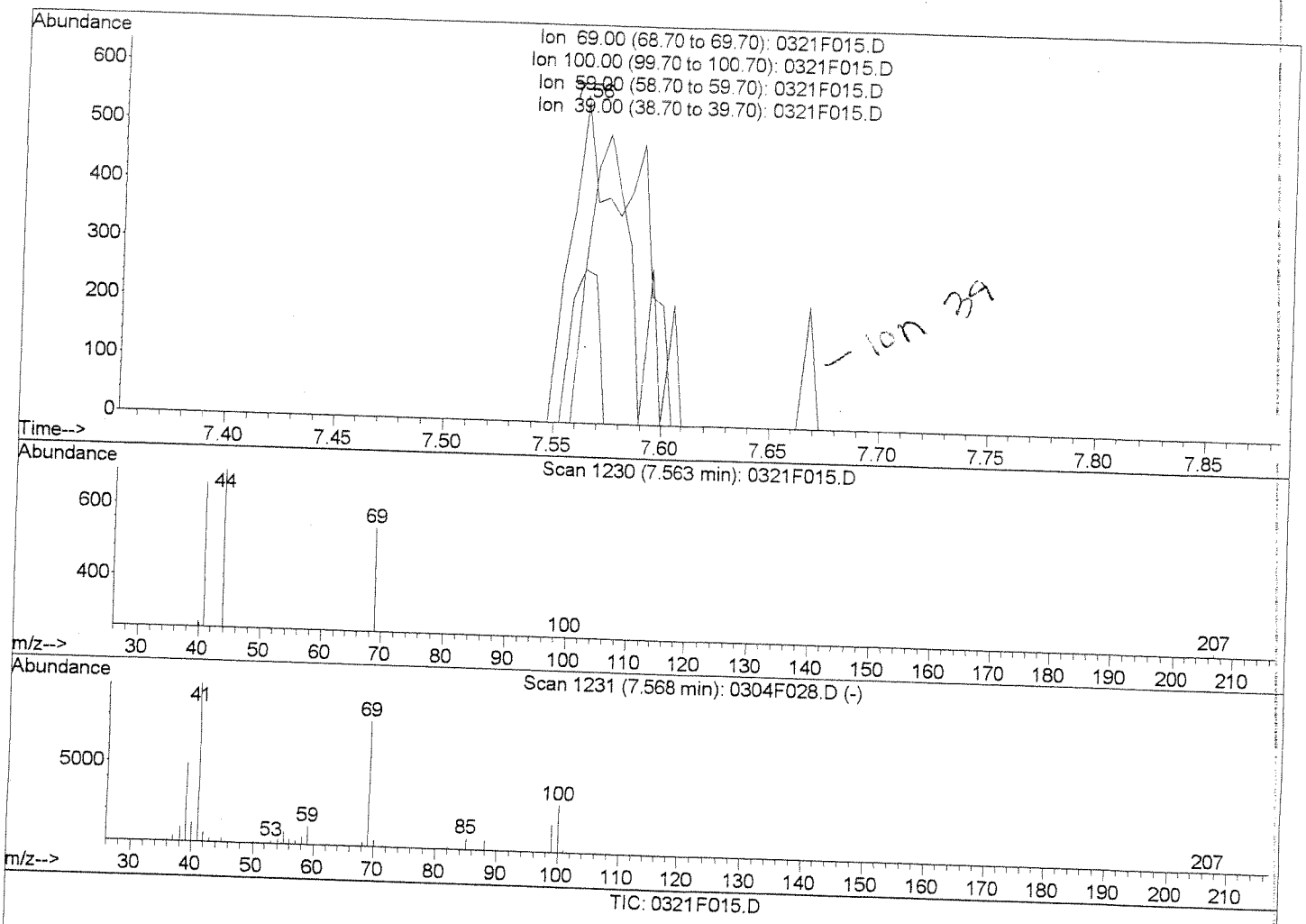
0321F015.D 032108_8260W.M Sat Mar 22 00:21:50 2008

Data File : J:\MS13\DATA\032108\0321F015.D
Acq On : 21 Mar 2008 11:59 pm
Sample : 8260 ICAL (Water) #3
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:21 2008

Vial: 15
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Single Level Calibration



(51) Methyl methacrylate (T)

7.56min 0.20PPB m

response 1111

Ion	Exp%	Act%
69.00	100	100
100.00	37.60	47.80
59.00	14.30	0.00
39.00	62.80	47.07

split peak
KB 3/22/08

3/24/08

HL 3.24.08

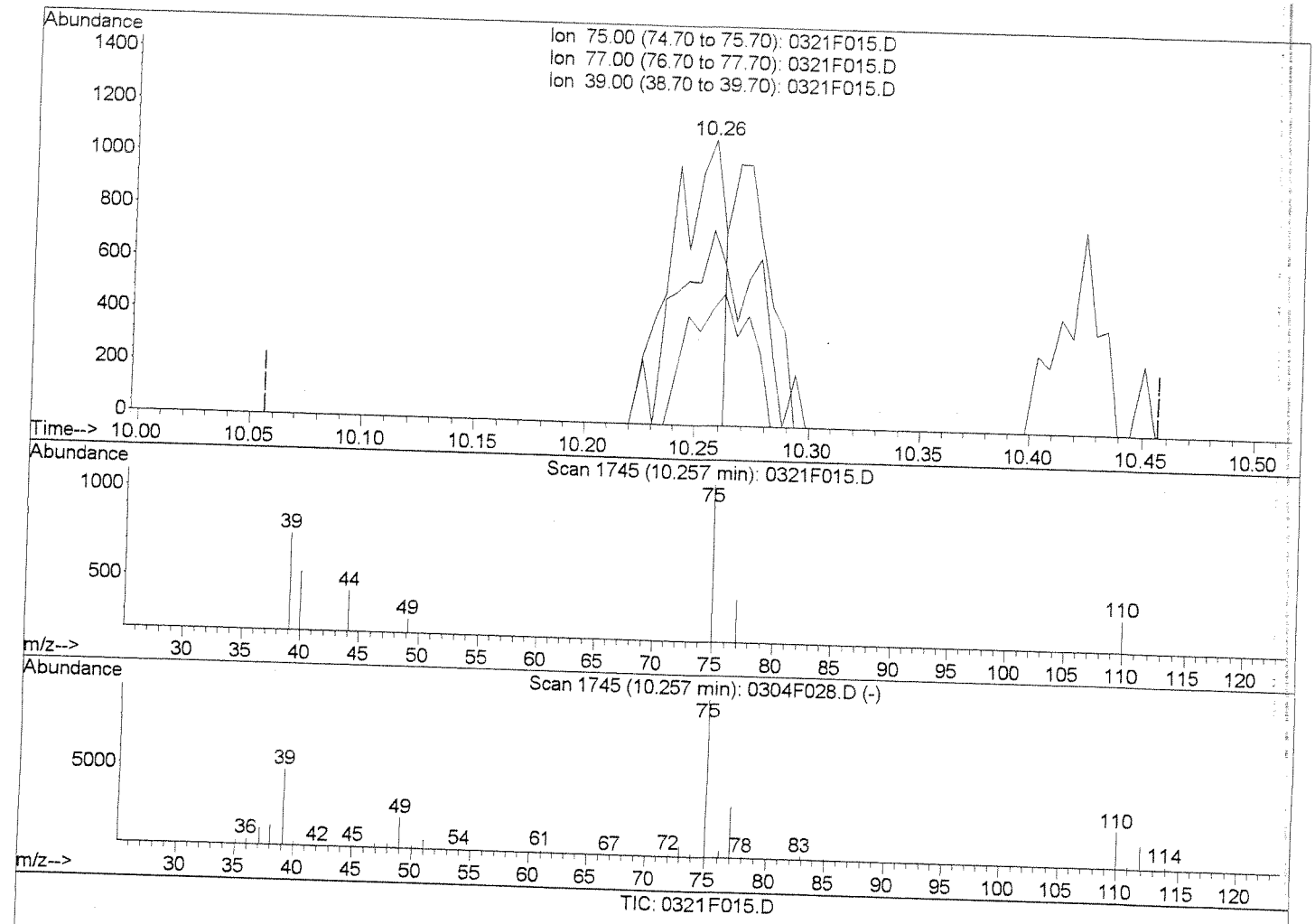
0321F015.D 032108_8260W.M Sat Mar 22 00:21:54 2008

Data File : J:\MS13\DATA\032108\0321F015.D
Acq On : 21 Mar 2008 11:59 pm
Sample : 8260 ICAL (Water) #3
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:22 2008

Vial: 15
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(62) trans-1,3-Dichloropropene (T)

10.26min 0.12PPB

response 1762

Ion	Exp%	Act%
75.00	100	100
77.00	32.00	40.48
39.00	47.70	68.41
0.00	0.00	0.00

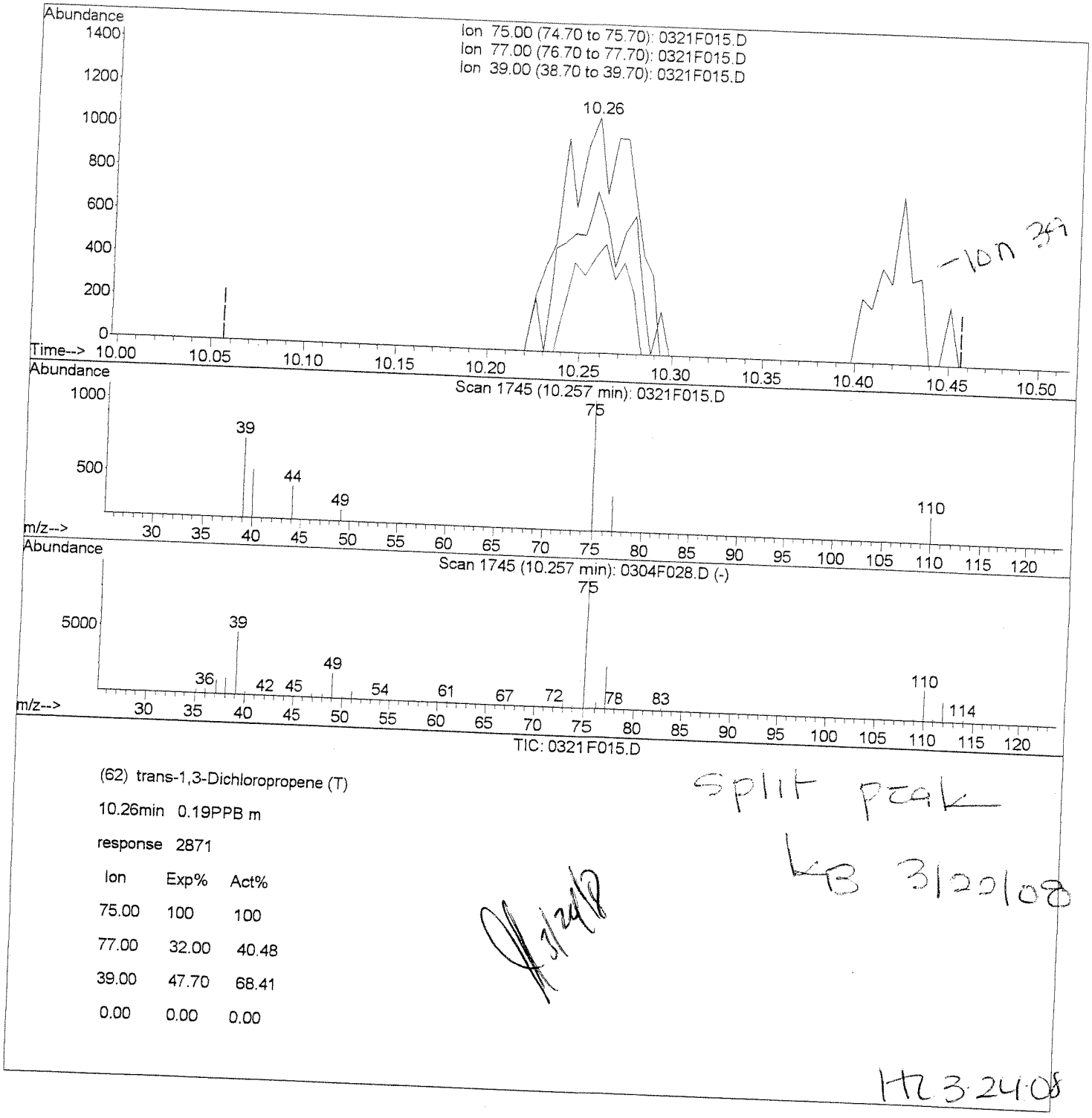
0321F015.D 032108_8260W.M Sat Mar 22 00:22:28 2008

Data File : J:\MS13\DATA\032108\0321F015.D
Acq On : 21 Mar 2008 11:59 pm
Sample : 8260 ICAL (Water) #3
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:22 2008

Vial: 15
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(62) trans-1,3-Dichloropropene (T)

10.26min 0.19PPB m

response 2871

Ion	Exp%	Act%
75.00	100	100
77.00	32.00	40.48
39.00	47.70	68.41
0.00	0.00	0.00

split peak

LB 3/20/08

3/24/08

HL 3.24.08

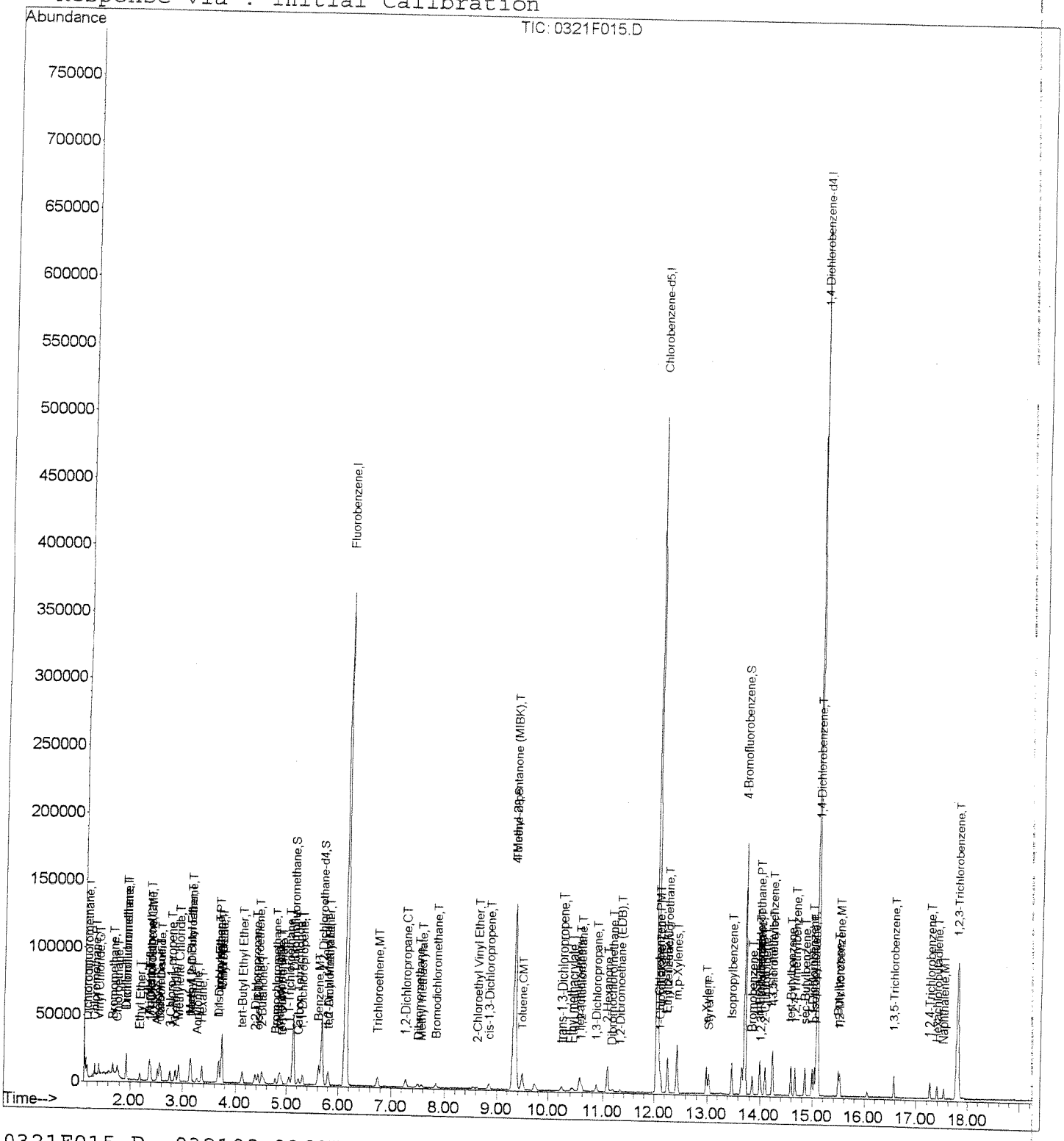
0321F015.D 032108_8260W.M Sat Mar 22 00:22:31 2008

Data File : J:\MS13\DATA\032108\0321F015.D
Acq On : 21 Mar 2008 11:59 pm
Sample : 8260 ICAL (Water) #3
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:22 2008

Vial: 15
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration



0321F015.D 032108_8260W.M Sat Mar 22 00:23:17 2008 Page 4

Data File : J:\MS13\DATA\032108\0321F016.D
Acq On : 22 Mar 2008 12:27 am
Sample : 8260 ICAL (Water) #4
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 00:48:28 2008

Vial: 16
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.13	96	410899	10.00	PPB		0.00
60) Chlorobenzene-d5	12.05	82	181751	10.00	PPB		0.00
81) 1,4-Dichlorobenzene-d4	15.08	152	174739	10.00	PPB		0.00
System Monitoring Compounds							
40) Dibromofluoromethane	5.13	113	47147	5.02	PPB		0.00
Spiked Amount 10.000			Recovery =	50.20%			
44) 1,2-Dichloroethane-d4	5.67	65	61061	5.82	PPB		0.00
Spiked Amount 10.000			Recovery =	58.20%			
58) Toluene-d8	9.32	98	212926	4.76	PPB		0.00
Spiked Amount 10.000			Recovery =	47.60%			
80) 4-Bromofluorobenzene	13.70	95	86395	4.93	PPB		0.00
Spiked Amount 10.000			Recovery =	49.30%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	5057	0.43	PPB		96
3) Chloromethane	1.34	50	6828	0.43	PPB		91
4) Vinyl Chloride	1.42	62	6243	0.39	PPB		100
5) Bromomethane	1.68	96	3053	0.34	PPB		93
6) Chloroethane	1.76	64	3903	0.41	PPB		92
7) Dichlorofluoromethane	1.94	67	10290	0.51	PPB		91
8) Trichlorofluoromethane	1.93	101	7542	0.46	PPB		94
9) Ethyl Ether	2.19	59	3400	0.47	PPB		91
10) Acrolein	2.37	56	8808	8.68	PPB		92
11) Trichlorotrifluoroethane	2.36	151	3445	0.45	PPB		93
12) 1,1-Dichloroethene	2.40	96	3870	0.40	PPB		81
13) Acetone	2.51	43	14697	9.82	PPB		97
14) Iodomethane	2.55	142	18004	1.72	PPB		91
15) Carbon Disulfide	2.58	76	13843	0.40	PPB		100
16) 3-Chloro-1-propene	2.77	76	2369	0.38	PPB	#	67
17) Acetonitrile	2.86	40	6923	17.45	PPB		93
18) Methylene Chloride	2.92	84	7655	0.64	PPB		94
19) tert-Butyl Alcohol	3.03	59	736	1.71	PPB		73
20) Acrylonitrile	3.27	53	3708	1.52	PPB		91
21) Methyl tert-Butyl Ether	3.13	73	20133	0.84	PPB		94
22) trans-1,2-Dichloroethene	3.15	96	4961	0.43	PPB		96
23) Hexane	3.36	57	6211	0.42	PPB		96
24) Diisopropyl Ether	3.67	45	13969	0.38	PPB		96
25) 1,1-Dichloroethane	3.68	63	8753	0.42	PPB		99
26) Vinyl Acetate	3.75	86	1108	0.62	PPB	#	25
27) Chloroprene	3.73	53	26657	1.48	PPB		97
28) tert-Butyl Ethyl Ether	4.13	59	12552	0.41	PPB		95

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

LB 3/22/08 TL 32408

Data File : J:\MS13\DATA\032108\0321F016.D
Acq On : 22 Mar 2008 12:27 am
Sample : 8260 ICAL (Water) #4
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 00:48:28 2008

Vial: 16
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
29) 2,2-Dichloropropane	4.37	77	5899	0.37 PPB		91
30) cis-1,2-Dichloroethene	4.42	96	5202	0.42 PPB		83
31) 2-Butanone	4.50	72	4697	7.90 PPB		87
32) Propionitrile	4.70	54	1191	1.41 PPB		71
33) Ethyl Acetate	4.54	61	1178	1.61 PPB	#	74
34) Methacrylonitrile	4.84	67	4109	1.45 PPB	#	79
35) Bromochloromethane	4.75	128	2419	0.51 PPB	#	60
37) Chloroform	4.88	83	8658	0.47 PPB		88
38) tert-Butyl Formate	4.91	59	1614	0.21 PPB		74
39) 1,1,1-Trichloroethane	5.05	97	6256	0.40 PPB		91
41) Carbon Tetrachloride	5.23	117	4509	0.38 PPB		83
42) 1,1-Dichloropropene	5.30	75	6763	0.42 PPB		89
43) Isobutyl Alcohol	5.70	43	1951	9.89 PPB		87
45) Benzene	5.61	78	21117	0.43 PPB		98
46) 1,2-Dichloroethane	5.81	62	6808	0.55 PPB		89
47) tert-Amyl Methyl Ether	5.80	55	2949	0.49 PPB	#	54
48) Trichloroethene	6.74	95	4696	0.41 PPB		97
49) 1,2-Dichloropropane	7.28	63	4954	0.43 PPB		87
50) Dibromomethane	7.49	93	2369	0.47 PPB		87
51) Methyl methacrylate	7.57	69	1505	0.31 PPB	#	63
53) Bromodichloromethane	7.84	83	5189	0.43 PPB		92
55) 2-Chloroethyl Vinyl Ether	8.62	63	1340	0.30 PPB	#	44
56) cis-1,3-Dichloropropene	8.84	75	5744	0.35 PPB		89
57) 4-Methyl-2-pentanone (MIBK	9.31	58	18669	8.29 PPB	#	1
59) Toluene	9.48	92	14709	0.45 PPB		87
61) n-Octane	9.72	85	2600	0.39 PPB		93
62) trans-1,3-Dichloropropene	10.26	75	4795	0.34 PPB		99
63) Ethyl methacrylate	10.41	69	2903	0.28 PPB	#	70
64) 1,1,2-Trichloroethane	10.58	83	3031	0.43 PPB	#	66
65) Tetrachloroethene	10.54	164	4229	0.42 PPB		97
66) 2-Hexanone	11.08	57	4990	6.59 PPB		97
67) 1,3-Dichloropropane	10.87	76	6285	0.42 PPB		94
68) Dibromochloromethane	11.17	129	2616	0.37 PPB		85
69) 1,2-Dibromoethane (EDB)	11.33	107	3032	0.42 PPB		100
70) 1-Chlorohexane	12.12	91	6107	0.37 PPB		92
71) Chlorobenzene	12.09	112	16494	0.46 PPB		95
72) Ethylbenzene	12.25	106	7815	0.39 PPB		92
73) 1,1,1,2-Tetrachloroethane	12.26	131	3725	0.40 PPB		79
74) m,p-Xylenes	12.44	106	19945	0.79 PPB		93
75) o-Xylene	12.98	106	9587	0.40 PPB		97
76) Styrene	13.03	103	7068	0.38 PPB		89

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

Data File : J:\MS13\DATA\032108\0321F016.D
Acq On : 22 Mar 2008 12:27 am
Sample : 8260 ICAL (Water) #4
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 00:48:28 2008

Vial: 16
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77)	Bromoform	13.27	173	1048	0.32	PPB		75
78)	Isopropylbenzene	13.47	105	23584	0.40	PPB		95
79)	cis-1,4-Dichloro-2-butene	13.70	89	738	0.78	PPB	#	1
82)	1,1,2,2-Tetrachloroethane	13.99	83	2932	0.34	PPB		94
83)	trans-1,4-Dichloro-2-buten	14.08	53	697	0.31	PPB	#	49
84)	Bromobenzene	13.85	156	6418	0.43	PPB		91
85)	n-Propylbenzene	13.99	91	27363	0.37	PPB		99
86)	1,2,3-Trichloropropane	14.03	110	1353	0.55	PPB	#	21
87)	2-Chlorotoluene	14.09	91	19089	0.41	PPB		96
88)	1,3,5-Trimethylbenzene	14.23	105	18409	0.36	PPB		91
89)	4-Chlorotoluene	14.25	91	21849	0.41	PPB		98
90)	tert-Butylbenzene	14.59	119	16577	0.39	PPB		96
91)	1,2,4-Trimethylbenzene	14.67	105	17904	0.36	PPB		94
92)	sec-Butylbenzene	14.85	105	22064	0.39	PPB		100
93)	p-Isopropyltoluene	15.03	119	18195	0.37	PPB		90
94)	1,3-Dichlorobenzene	14.99	146	12350	0.42	PPB		96
95)	1,4-Dichlorobenzene	15.11	146	13281	0.45	PPB		96
96)	n-Butylbenzene	15.49	91	14235	0.36	PPB		97
97)	1,2-Dichlorobenzene	15.52	146	12067	0.46	PPB		87
99)	1,3,5-Trichlorobenzene	16.57	180	7628	0.46	PPB		99
100)	1,2,4-Trichlorobenzene	17.25	180	6329	0.44	PPB		98
101)	Hexachlorobutadiene	17.39	225	2810	0.41	PPB		93
102)	Naphthalene	17.52	128	8441	0.34	PPB		98
103)	1,2,3-Trichlorobenzene	17.77	180	4946	0.43	PPB	#	84

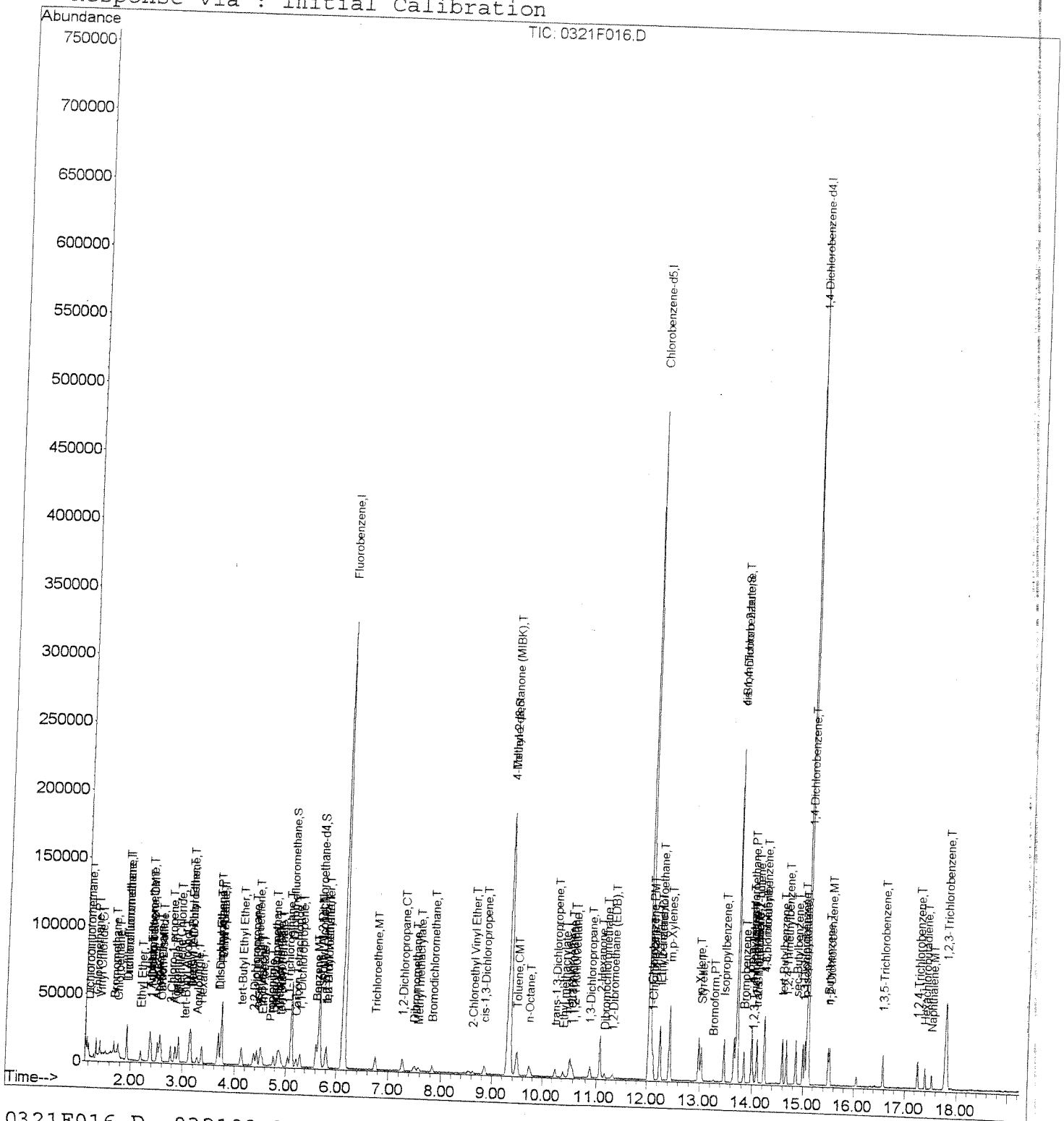
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS13\DATA\032108\0321F016.D
Acq On : 22 Mar 2008 12:27 am
Sample : 8260 ICAL (Water) #4
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 0:49 2008

Vial: 16
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration



0321F016.D 032108_8260W.M Sat Mar 22 00:50:39 2008 Page 4

Data File : J:\MS13\DATA\032108\0321F017.D
Acq On : 22 Mar 2008 12:55 am
Sample : 8260 ICAL (Water) #5
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:47:49 2008

Vial: 17
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.14	96	461287	10.00	PPB		0.00
60) Chlorobenzene-d5	12.05	82	200415	10.00	PPB		0.00
81) 1,4-Dichlorobenzene-d4	15.08	152	186910	10.00	PPB		0.00
System Monitoring Compounds							
40) Dibromofluoromethane	5.13	113	59894	5.68	PPB		0.00
Spiked Amount 10.000			Recovery =	56.80%			
44) 1,2-Dichloroethane-d4	5.67	65	75600	6.42	PPB		0.00
Spiked Amount 10.000			Recovery =	64.20%			
58) Toluene-d8	9.33	98	253060	5.04	PPB		0.00
Spiked Amount 10.000			Recovery =	50.40%			
80) 4-Bromofluorobenzene	13.71	95	104841	5.42	PPB		0.00
Spiked Amount 10.000			Recovery =	54.20%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	12829	0.98	PPB		97
3) Chloromethane	1.34	50	16920	0.95	PPB		99
4) Vinyl Chloride	1.42	62	15952	0.90	PPB		95
5) Bromomethane	1.68	96	9148	0.91	PPB		97
6) Chloroethane	1.76	64	10953	1.01	PPB		93
7) Dichlorofluoromethane	1.93	67	26105	1.16	PPB		93
8) Trichlorofluoromethane	1.93	101	20501	1.11	PPB		99
9) Ethyl Ether	2.19	59	9002	1.10	PPB		87
10) Acrolein	2.37	56	23162	20.33	PPB		95
11) Trichlorotrifluoroethane	2.37	151	10286	1.20	PPB		94
12) 1,1-Dichloroethene	2.40	96	10694	0.99	PPB		98
13) Acetone	2.52	43	38705	23.04	PPB		93
14) Iodomethane	2.56	142	53778	4.57	PPB		96
15) Carbon Disulfide	2.58	76	37592	0.98	PPB		99
16) 3-Chloro-1-propene	2.77	76	6524	0.94	PPB	#	84
17) Acetonitrile	2.86	40	17052	38.29	PPB		84
18) Methylene Chloride	2.92	84	17111	1.27	PPB		94
19) tert-Butyl Alcohol	3.04	59	2152	4.44	PPB		73
20) Acrylonitrile	3.27	53	10186	3.72	PPB		92
21) Methyl tert-Butyl Ether	3.13	73	56335	2.11	PPB		98
22) trans-1,2-Dichloroethene	3.15	96	12820	0.99	PPB		97
23) Hexane	3.36	57	17150	1.03	PPB		98
24) Diisopropyl Ether	3.67	45	39585	0.95	PPB		97
25) 1,1-Dichloroethane	3.68	63	24452	1.05	PPB		90
26) Vinyl Acetate	3.75	86	3182	1.59	PPB	#	69
27) Chloroprene	3.74	53	75931	3.75	PPB		97
28) tert-Butyl Ethyl Ether	4.12	59	34525	0.99	PPB		95

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

LB 3/22/08 3/24/08

Data File : J:\MS13\DATA\032108\0321F017.D
Acq On : 22 Mar 2008 12:55 am
Sample : 8260 ICAL (Water) #5
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:47:49 2008

Vial: 17
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
29) 2,2-Dichloropropane	4.38	77	18107	1.02 PPB		94
30) cis-1,2-Dichloroethene	4.42	96	15868	1.15 PPB		87
31) 2-Butanone	4.49	72	15358	23.00 PPB	#	81
32) Propionitrile	4.70	54	3480	3.67 PPB		84
33) Ethyl Acetate	4.53	61	3149	3.83 PPB		89
34) Methacrylonitrile	4.84	67	11813	3.71 PPB		92
35) Bromochloromethane	4.76	128	6500	1.21 PPB		85
37) Chloroform	4.87	83	24434	1.18 PPB		97
38) tert-Butyl Formate	4.91	59	4502	0.51 PPB		96
39) 1,1,1-Trichloroethane	5.05	97	18180	1.04 PPB		96
41) Carbon Tetrachloride	5.23	117	13477	1.01 PPB		79
42) 1,1-Dichloropropene	5.31	75	17814	0.99 PPB		95
43) Isobutyl Alcohol	5.69	43	6398	28.89 PPB		94
45) Benzene	5.62	78	58578	1.07 PPB		98
46) 1,2-Dichloroethane	5.80	62	17265	1.24 PPB		94
47) tert-Amyl Methyl Ether	5.80	55	8368	1.23 PPB	#	57
48) Trichloroethene	6.75	95	14393	1.11 PPB		97
49) 1,2-Dichloropropane	7.27	63	13103	1.01 PPB		93
50) Dibromomethane	7.50	93	6005	1.06 PPB		94
51) Methyl methacrylate	7.57	69	4702	0.85 PPB		86
52) 1,4-Dioxane	7.54	88	2488	40.60 PPB		66
53) Bromodichloromethane	7.84	83	13873	1.02 PPB		84
54) 2-Nitropropane	8.55	43	3875	3.51 PPB		75
55) 2-Chloroethyl Vinyl Ether	8.62	63	4285	0.86 PPB		79
56) cis-1,3-Dichloropropene	8.85	75	16533	0.89 PPB		94
57) 4-Methyl-2-pentanone (MIBK	9.32	58	50147	19.85 PPB	#	29
59) Toluene	9.48	92	37264	1.02 PPB		95
61) n-Octane	9.74	85	7355m	1.00 PPB		
62) trans-1,3-Dichloropropene	10.25	75	13103	0.85 PPB		90
63) Ethyl methacrylate	10.42	69	8609	0.74 PPB		89
64) 1,1,2-Trichloroethane	10.58	83	7935	1.02 PPB		92
65) Tetrachloroethene	10.53	164	11582	1.04 PPB		88
66) 2-Hexanone	11.07	57	15646	18.73 PPB	#	76
67) 1,3-Dichloropropane	10.87	76	16772	1.00 PPB		96
68) Dibromochloromethane	11.18	129	7218	0.93 PPB		94
69) 1,2-Dibromoethane (EDB)	11.33	107	8048	1.02 PPB		91
70) 1-Chlorohexane	12.12	91	16618	0.91 PPB		94
71) Chlorobenzene	12.09	112	43169	1.09 PPB		95
72) Ethylbenzene	12.25	106	21514	0.96 PPB		97
73) 1,1,1,2-Tetrachloroethane	12.26	131	9814	0.95 PPB		89
74) m,p-Xylenes	12.44	106	52567	1.90 PPB		100

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

Data File : J:\MS13\DATA\032108\0321F017.D
Acq On : 22 Mar 2008 12:55 am
Sample : 8260 ICAL (Water) #5
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:47:49 2008

Vial: 17
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
75)	o-Xylene	12.99	106	25728	0.96	PPB		90
76)	Styrene	13.03	103	18205	0.88	PPB		85
77)	Bromoform	13.26	173	3062	0.86	PPB		87
78)	Isopropylbenzene	13.47	105	62180	0.96	PPB		95
79)	cis-1,4-Dichloro-2-butene	13.70	89	2694	2.58	PPB	#	1
82)	1,1,2,2-Tetrachloroethane	14.00	83	8023	0.87	PPB		89
83)	trans-1,4-Dichloro-2-buten	14.07	53	2004	0.82	PPB	#	58
84)	Bromobenzene	13.85	156	16535	1.03	PPB		100
85)	n-Propylbenzene	13.99	91	72955	0.91	PPB		96
86)	1,2,3-Trichloropropane	14.02	110	3085	1.18	PPB	#	62
87)	2-Chlorotoluene	14.10	91	50607	1.01	PPB		96
88)	1,3,5-Trimethylbenzene	14.23	105	50595	0.92	PPB		98
89)	4-Chlorotoluene	14.25	91	55625	0.98	PPB		97
90)	tert-Butylbenzene	14.59	119	44549	0.97	PPB		95
91)	1,2,4-Trimethylbenzene	14.67	105	50109	0.93	PPB		94
92)	sec-Butylbenzene	14.85	105	60976	1.00	PPB		95
93)	p-Isopropyltoluene	15.03	119	48300	0.91	PPB		95
94)	1,3-Dichlorobenzene	14.99	146	33272	1.06	PPB		94
95)	1,4-Dichlorobenzene	15.11	146	34370	1.08	PPB		97
96)	n-Butylbenzene	15.49	91	39599	0.95	PPB		94
97)	1,2-Dichlorobenzene	15.52	146	30181	1.07	PPB		99
98)	1,2-Dibromo-3-chloropropan	16.43	155	673	0.69	PPB	#	72
99)	1,3,5-Trichlorobenzene	16.57	180	20418	1.15	PPB		98
100)	1,2,4-Trichlorobenzene	17.25	180	17224	1.12	PPB		93
101)	Hexachlorobutadiene	17.39	225	8597	1.18	PPB		93
102)	Naphthalene	17.52	128	22231	0.85	PPB		97
103)	1,2,3-Trichlorobenzene	17.77	180	13458	1.10	PPB		90

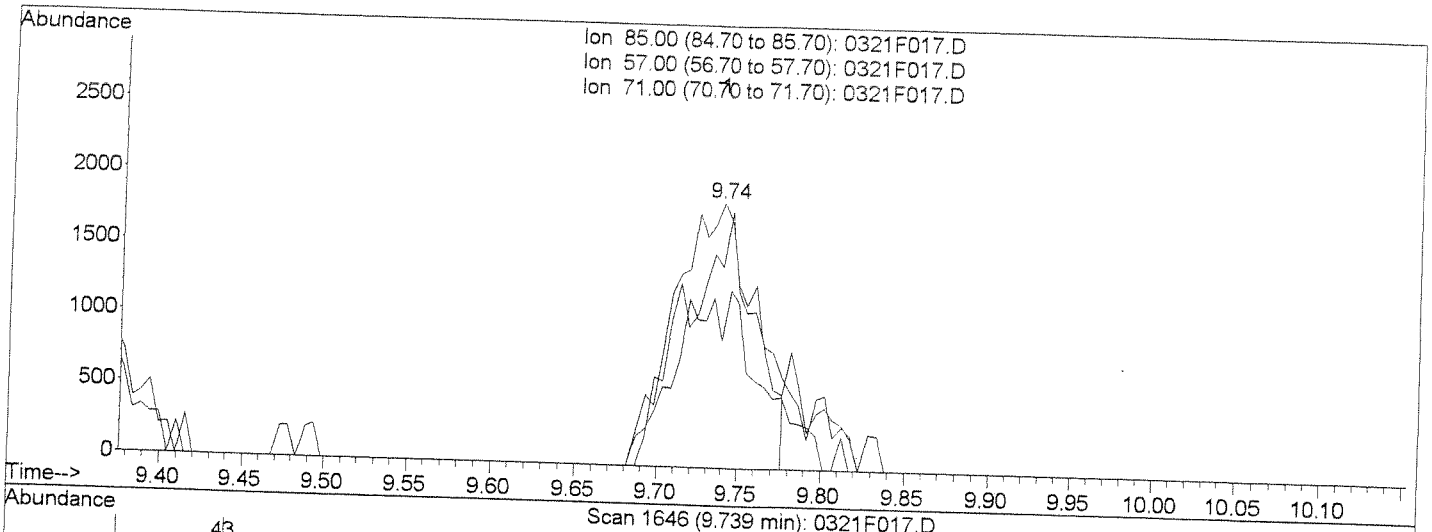
(#) = qualifier out of range (m) = manual integration

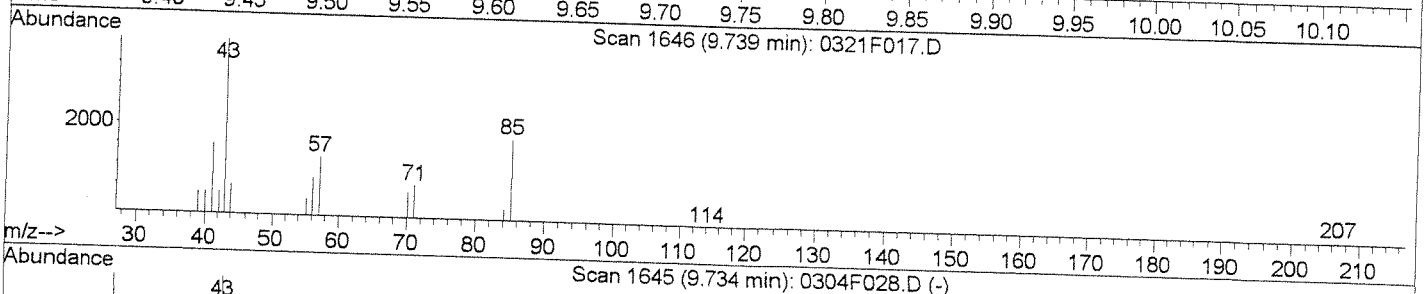
Data File : J:\MS13\DATA\032108\0321F017.D
Acq On : 22 Mar 2008 12:55 am
Sample : 8260 ICAL (Water) #5
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:47 2008

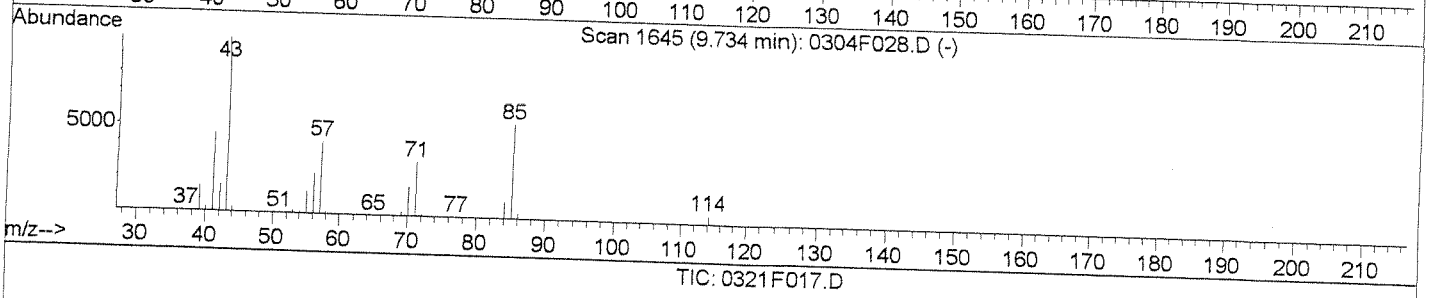
Vial: 17
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Single Level Calibration







TIC: 0321F017.D

(61) n-Octane (T)

9.74min 0.86PPB

response 6312

Ion	Exp%	Act%
85.00	100	100
57.00	76.50	75.63
71.00	57.50	47.76
0.00	0.00	0.00

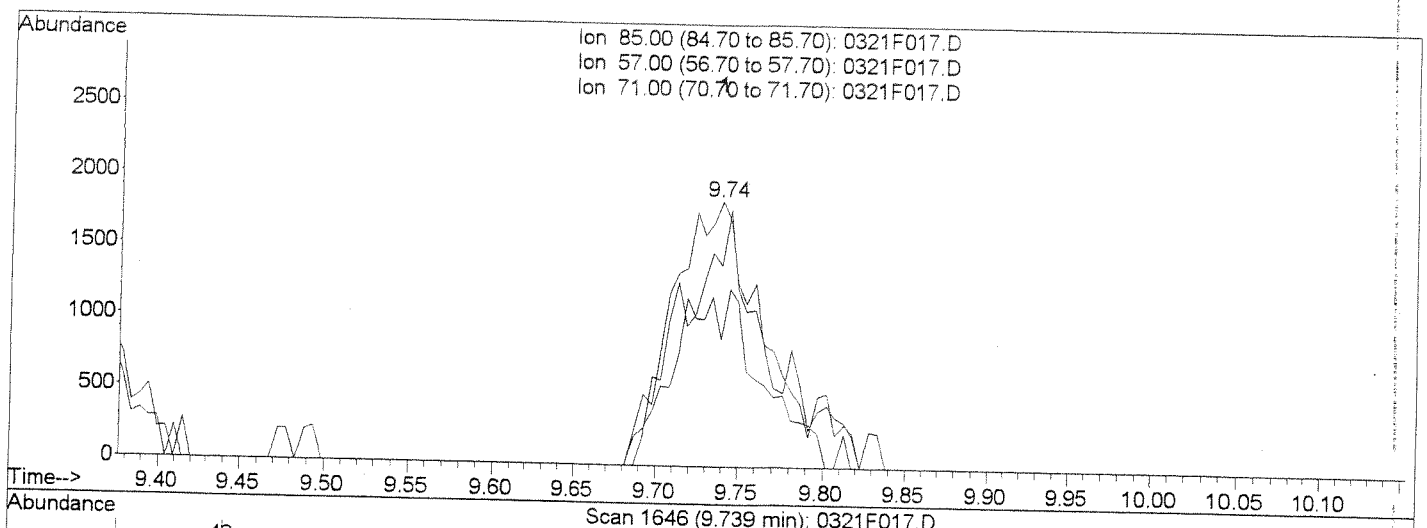
0321F017.D 032108_8260W.M Sat Mar 22 17:48:55 2008

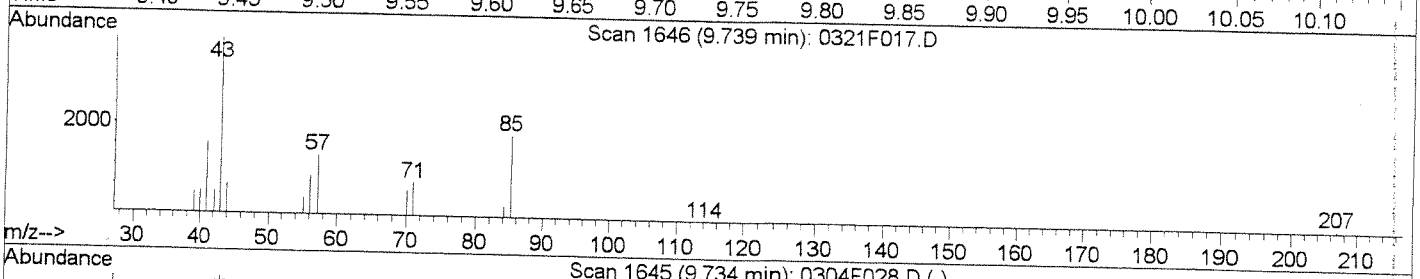
Data File : J:\MS13\DATA\032108\0321F017.D
Acq On : 22 Mar 2008 12:55 am
Sample : 8260 ICAL (Water) #5
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48 2008

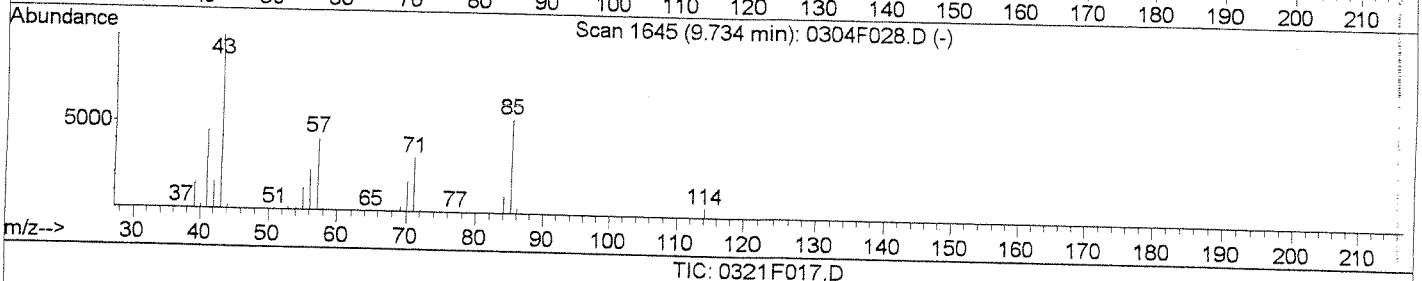
Vial: 17
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Single Level Calibration







TIC: 0321F017.D

(61) n-Octane (T)

9.74min 1.00PPB m

response 7355

Ion	Exp%	Act%
85.00	100	100
57.00	76.50	75.63
71.00	57.50	47.76
0.00	0.00	0.00

split peak
LB 3/22/08

HL 3.24.08

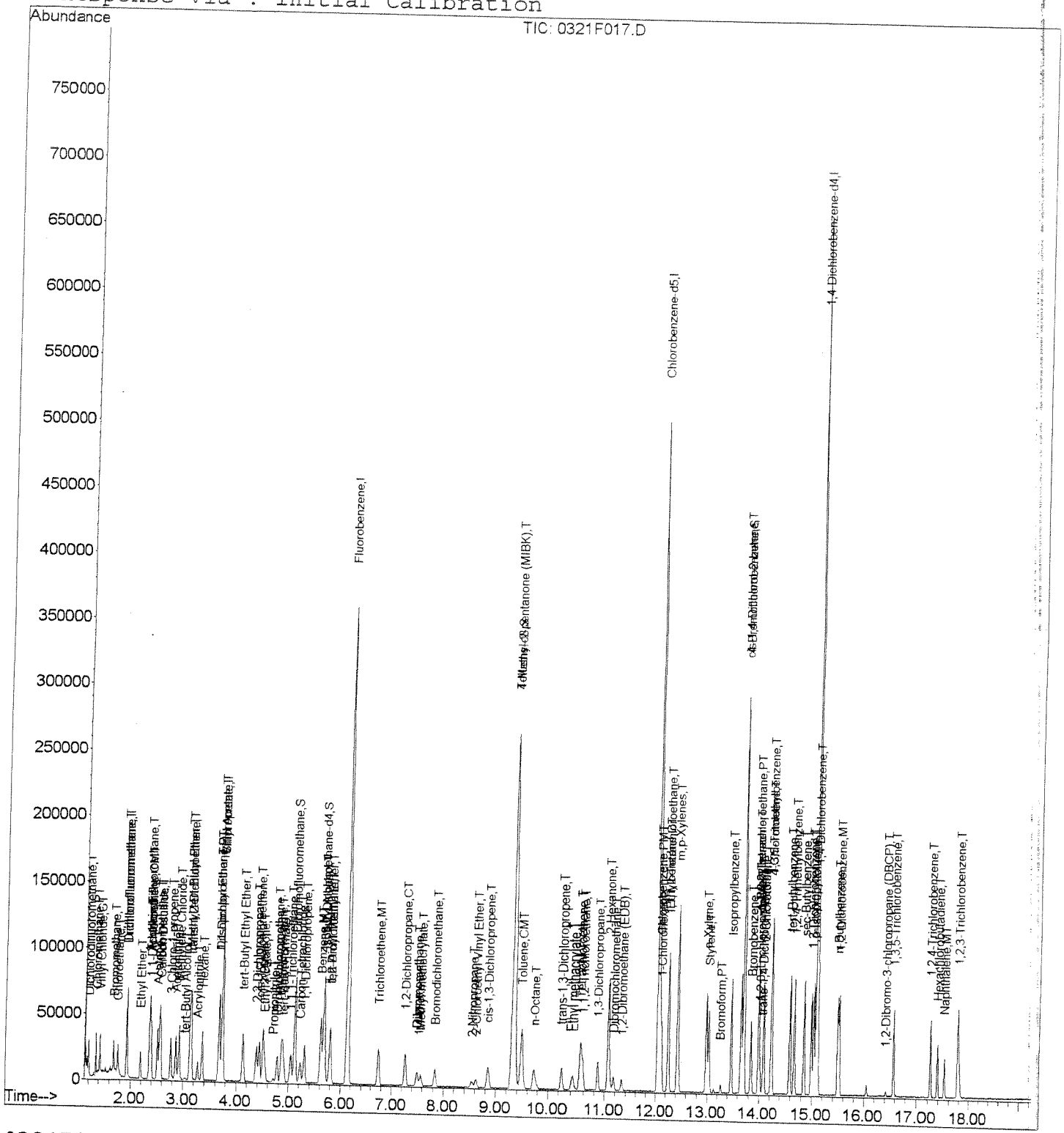
0321F017.D 032108_8260W.M Sat Mar 22 17:48:59 2008

Data File : J:\MS13\DATA\032108\0321F017.D
Acq On : 22 Mar 2008 12:55 am
Sample : 8260 ICAL (Water) #5
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48 2008

Vial: 17
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration



0321F017.D 032108_8260W.M Sat Mar 22 17:56:36 2008 Page 4

Data File : J:\MS13\DATA\032108\0321F018.D
Acq On : 22 Mar 2008 1:22 am
Sample : 8260 ICAL (Water) #6
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:47:53 2008

Vial: 18
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.14	96	462770	10.00	PPB	0.00
60) Chlorobenzene-d5	12.05	82	200740	10.00	PPB	0.00
81) 1,4-Dichlorobenzene-d4	15.08	152	185924	10.00	PPB	0.00
System Monitoring Compounds						
40) Dibromofluoromethane	5.12	113	82077	7.76	PPB	0.00
Spiked Amount 10.000			Recovery =	77.60%		
44) 1,2-Dichloroethane-d4	5.67	65	101254	8.57	PPB	0.00
Spiked Amount 10.000			Recovery =	85.70%		
58) Toluene-d8	9.33	98	362849	7.21	PPB	0.00
Spiked Amount 10.000			Recovery =	72.10%		
80) 4-Bromofluorobenzene	13.71	95	143603	7.41	PPB	0.00
Spiked Amount 10.000			Recovery =	74.10%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	22231	1.69	PPB	96
3) Chloromethane	1.34	50	26822	1.50	PPB	97
4) Vinyl Chloride	1.42	62	25974	1.46	PPB	98
5) Bromomethane	1.68	96	14936	1.48	PPB	96
6) Chloroethane	1.76	64	17199	1.59	PPB	93
7) Dichlorofluoromethane	1.94	67	43426	1.93	PPB	98
8) Trichlorofluoromethane	1.93	101	34616	1.86	PPB	98
9) Ethyl Ether	2.19	59	13666	1.67	PPB	99
10) Acrolein	2.37	56	36532	31.96	PPB	95
11) Trichlorotrifluoroethane	2.36	151	16355	1.90	PPB	94
12) 1,1-Dichloroethene	2.40	96	17790	1.64	PPB	99
13) Acetone	2.52	43	61167	36.29	PPB	98
14) Iodomethane	2.56	142	87034	7.38	PPB	96
15) Carbon Disulfide	2.58	76	60905	1.58	PPB	98
16) 3-Chloro-1-propene	2.77	76	10983	1.57	PPB #	82
17) Acetonitrile	2.86	40	29349	65.69	PPB	96
18) Methylene Chloride	2.92	84	26176	1.94	PPB	96
19) tert-Butyl Alcohol	3.04	59	3282	6.75	PPB	95
20) Acrylonitrile	3.27	53	15926	5.79	PPB	82
21) Methyl tert-Butyl Ether	3.13	73	87498	3.26	PPB	99
22) trans-1,2-Dichloroethene	3.15	96	21451	1.65	PPB	96
23) Hexane	3.36	57	28709	1.71	PPB	90
24) Diisopropyl Ether	3.68	45	63768	1.53	PPB	97
25) 1,1-Dichloroethane	3.68	63	39275m	1.68	PPB	
26) Vinyl Acetate	3.74	86	5858	2.92	PPB #	88
27) Chloroprene	3.74	53	129145	6.36	PPB	100
28) tert-Butyl Ethyl Ether	4.12	59	55412	1.59	PPB	95

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

3/22/08 3/24/08

Data File : J:\MS13\DATA\032108\0321F018.D
Acq On : 22 Mar 2008 1:22 am
Sample : 8260 ICAL (Water) #6
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:47:53 2008

Vial: 18
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29) 2,2-Dichloropropane	4.38	77	28777	1.61	PPB		98
30) cis-1,2-Dichloroethene	4.43	96	23842	1.72	PPB		98
31) 2-Butanone	4.50	72	23748	35.45	PPB		89
32) Propionitrile	4.70	54	5539	5.82	PPB		95
33) Ethyl Acetate	4.53	61	4725	5.73	PPB		95
34) Methacrylonitrile	4.84	67	19254	6.03	PPB		95
35) Bromochloromethane	4.76	128	10307	1.91	PPB		88
37) Chloroform	4.87	83	39002	1.88	PPB		94
38) tert-Butyl Formate	4.90	59	7476	0.85	PPB		82
39) 1,1,1-Trichloroethane	5.05	97	30252	1.73	PPB		96
41) Carbon Tetrachloride	5.22	117	22076	1.66	PPB		83
42) 1,1-Dichloropropene	5.30	75	30227	1.67	PPB		95
43) Isobutyl Alcohol	5.70	43	10196	45.90	PPB		84
45) Benzene	5.61	78	93088	1.70	PPB		99
46) 1,2-Dichloroethane	5.81	62	28300	2.02	PPB		96
47) tert-Amyl Methyl Ether	5.80	55	13384	1.96	PPB	#	75
48) Trichloroethene	6.74	95	22003	1.69	PPB		95
49) 1,2-Dichloropropane	7.27	63	21327	1.63	PPB		89
50) Dibromomethane	7.50	93	9909	1.75	PPB		93
51) Methyl methacrylate	7.57	69	7595	1.37	PPB		97
52) 1,4-Dioxane	7.54	88	3896	63.37	PPB		92
53) Bromodichloromethane	7.84	83	21922	1.60	PPB		89
54) 2-Nitropropane	8.54	43	5981	5.41	PPB		90
55) 2-Chloroethyl Vinyl Ether	8.62	63	7579	1.51	PPB		95
56) cis-1,3-Dichloropropene	8.85	75	26712	1.44	PPB		91
57) 4-Methyl-2-pentanone (MIBK	9.32	58	80999	31.95	PPB	#	51
59) Toluene	9.48	92	62572	1.71	PPB		92
61) n-Octane	9.73	85	11884m	1.62	PPB		
62) trans-1,3-Dichloropropene	10.26	75	21417	1.39	PPB		95
63) Ethyl methacrylate	10.41	69	14777	1.27	PPB		96
64) 1,1,2-Trichloroethane	10.58	83	12775	1.64	PPB		95
65) Tetrachloroethene	10.54	164	19281	1.73	PPB		93
66) 2-Hexanone	11.08	57	24980	29.86	PPB	#	84
67) 1,3-Dichloropropane	10.87	76	26537	1.59	PPB		99
68) Dibromochloromethane	11.18	129	11354	1.46	PPB		91
69) 1,2-Dibromoethane (EDB)	11.33	107	13158	1.67	PPB		100
70) 1-Chlorohexane	12.12	91	26925	1.47	PPB		97
71) Chlorobenzene	12.09	112	68721	1.73	PPB		97
72) Ethylbenzene	12.25	106	35450	1.59	PPB		97
73) 1,1,1,2-Tetrachloroethane	12.26	131	16464	1.60	PPB		90
74) m,p-Xylenes	12.44	106	87404	3.15	PPB		99

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

Data File : J:\MS13\DATA\032108\0321F018.D
Acq On : 22 Mar 2008 1:22 am
Sample : 8260 ICAL (Water) #6
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:47:53 2008

Vial: 18
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
75)	o-Xylene	12.98	106	41578	1.55	PPB		98
76)	Styrene	13.03	103	31720	1.53	PPB		97
77)	Bromoform	13.27	173	5229	1.47	PPB		95
78)	Isopropylbenzene	13.47	105	105105	1.63	PPB		98
79)	cis-1,4-Dichloro-2-butene	13.70	89	4386	4.19	PPB	#	1
82)	1,1,2,2-Tetrachloroethane	13.99	83	13080	1.42	PPB		90
83)	trans-1,4-Dichloro-2-buten	14.07	53	3417	1.41	PPB	#	75
84)	Bromobenzene	13.85	156	27681	1.73	PPB		94
85)	n-Propylbenzene	13.99	91	122822	1.55	PPB		97
86)	1,2,3-Trichloropropane	14.02	110	4910	1.89	PPB	#	66
87)	2-Chlorotoluene	14.10	91	81305	1.63	PPB		95
88)	1,3,5-Trimethylbenzene	14.23	105	83445	1.53	PPB		96
89)	4-Chlorotoluene	14.25	91	91100	1.62	PPB		98
90)	tert-Butylbenzene	14.59	119	73828	1.62	PPB		99
91)	1,2,4-Trimethylbenzene	14.67	105	81529	1.53	PPB		94
92)	sec-Butylbenzene	14.85	105	100246	1.65	PPB		98
93)	p-Isopropyltoluene	15.03	119	84748	1.61	PPB		96
94)	1,3-Dichlorobenzene	14.99	146	53953	1.73	PPB		96
95)	1,4-Dichlorobenzene	15.11	146	54091	1.71	PPB		98
96)	n-Butylbenzene	15.50	91	66152	1.59	PPB		98
97)	1,2-Dichlorobenzene	15.52	146	47630	1.70	PPB		96
98)	1,2-Dibromo-3-chloropropan	16.42	155	1416	1.45	PPB		85
99)	1,3,5-Trichlorobenzene	16.57	180	33103	1.87	PPB		92
100)	1,2,4-Trichlorobenzene	17.25	180	26971	1.76	PPB		99
101)	Hexachlorobutadiene	17.39	225	13800	1.91	PPB		91
102)	Naphthalene	17.52	128	36676	1.40	PPB		97
103)	1,2,3-Trichlorobenzene	17.77	180	21468	1.77	PPB		98

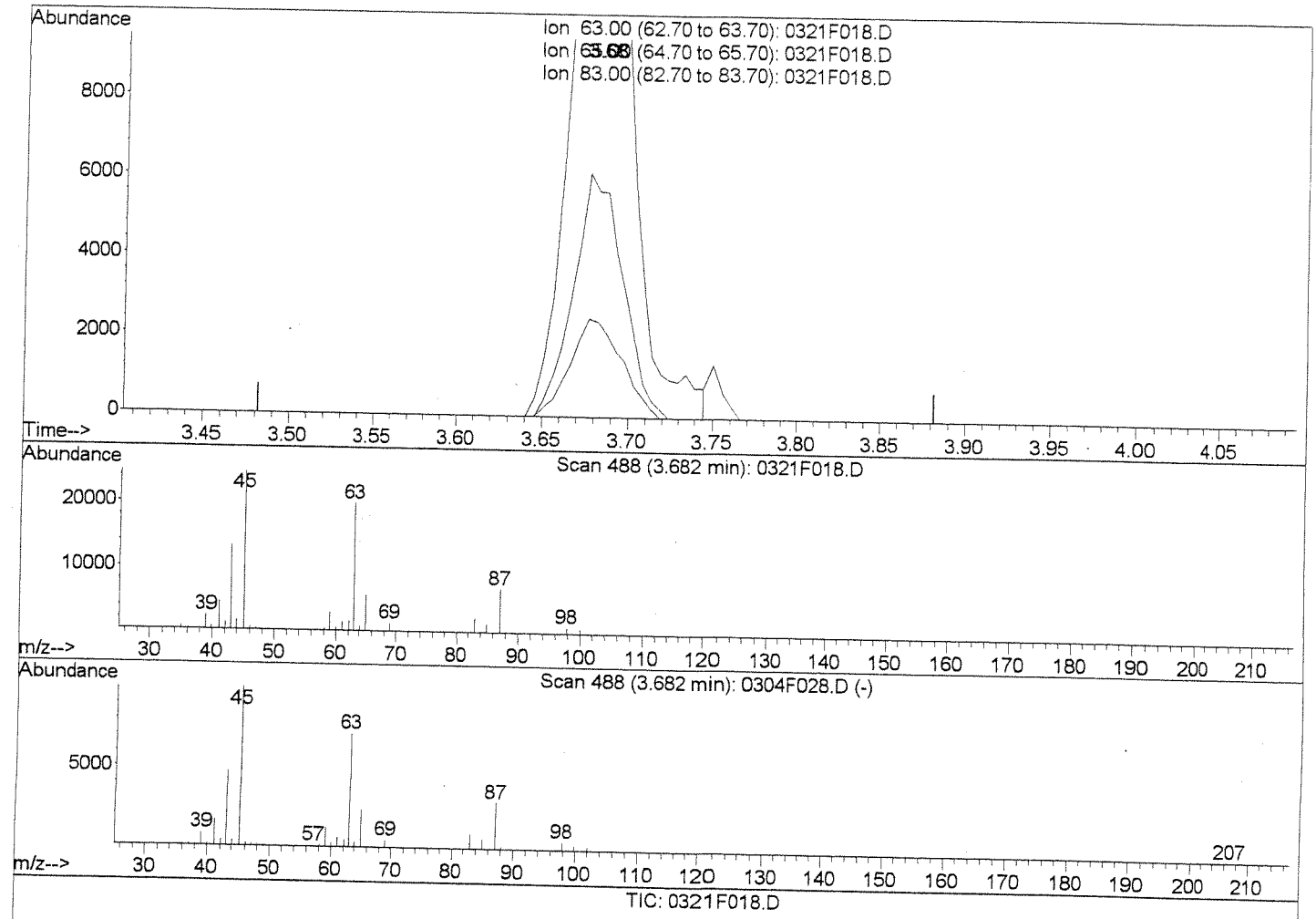
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS13\DATA\032108\0321F018.D
Acq On : 22 Mar 2008 1:22 am
Sample : 8260 ICAL (Water) #6
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:47 2008

Vial: 18
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



TIC: 0321F018.D

(25) 1,1-Dichloroethane (PT)

3.68min 1.74PPB

response 40682

Ion	Exp%	Act%
63.00	100	100
65.00	32.70	28.57
83.00	12.60	12.03
0.00	0.00	0.00

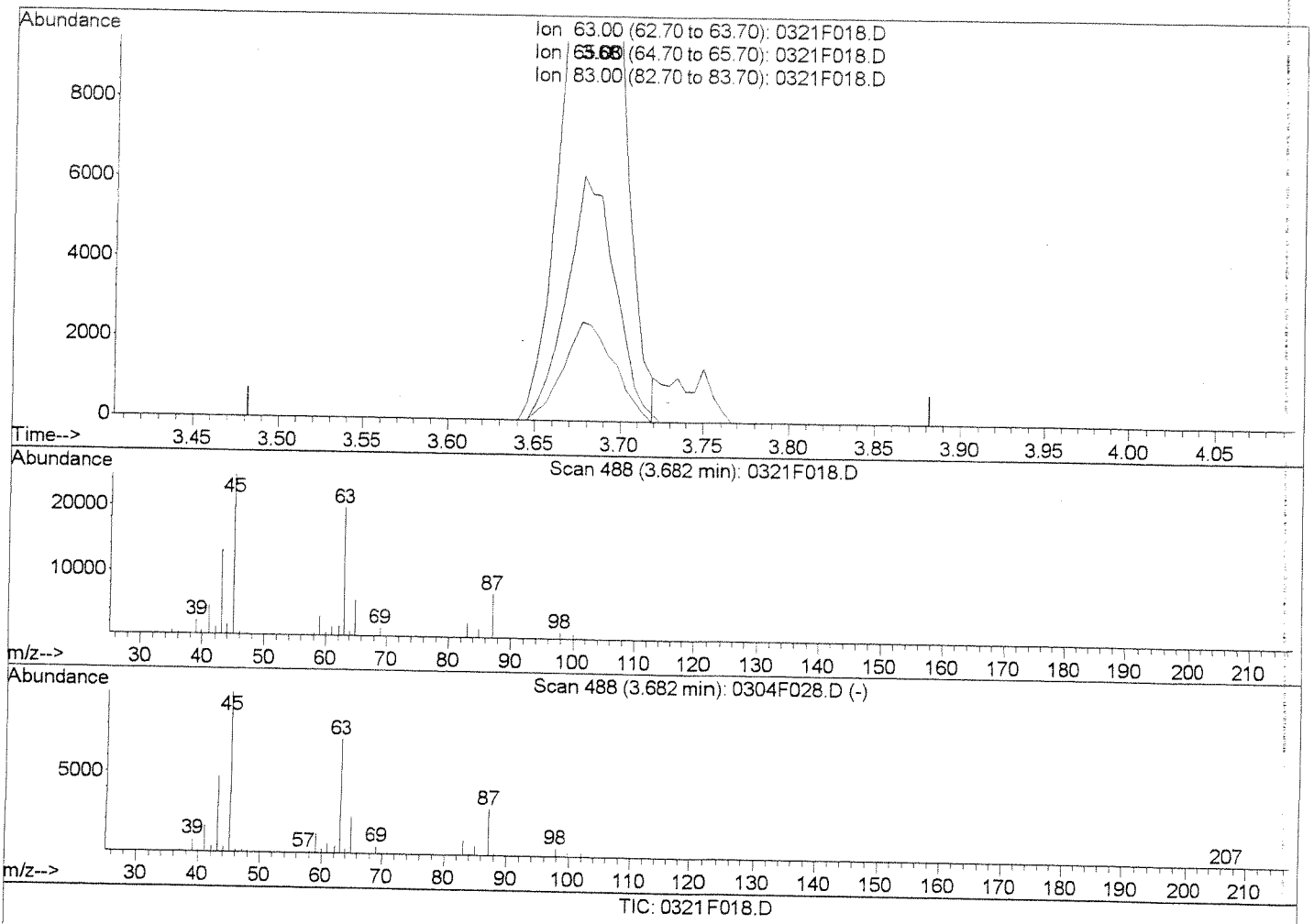
0321F018.D 032108_8260W.M Sat Mar 22 17:49:52 2008

Data File : J:\MS13\DATA\032108\0321F018.D
Acq On : 22 Mar 2008 1:22 am
Sample : 8260 ICAL (Water) #6
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:49 2008

Vial: 18
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



TIC: 0321F018.D

(25) 1,1-Dichloroethane (PT)

3.68min 1.68PPB m

response 39275

Ion	Exp%	Act%
63.00	100	100
65.00	32.70	28.57
83.00	12.60	12.03
0.00	0.00	0.00

Shoulder

LB 3/22/08

HL 3.24.08

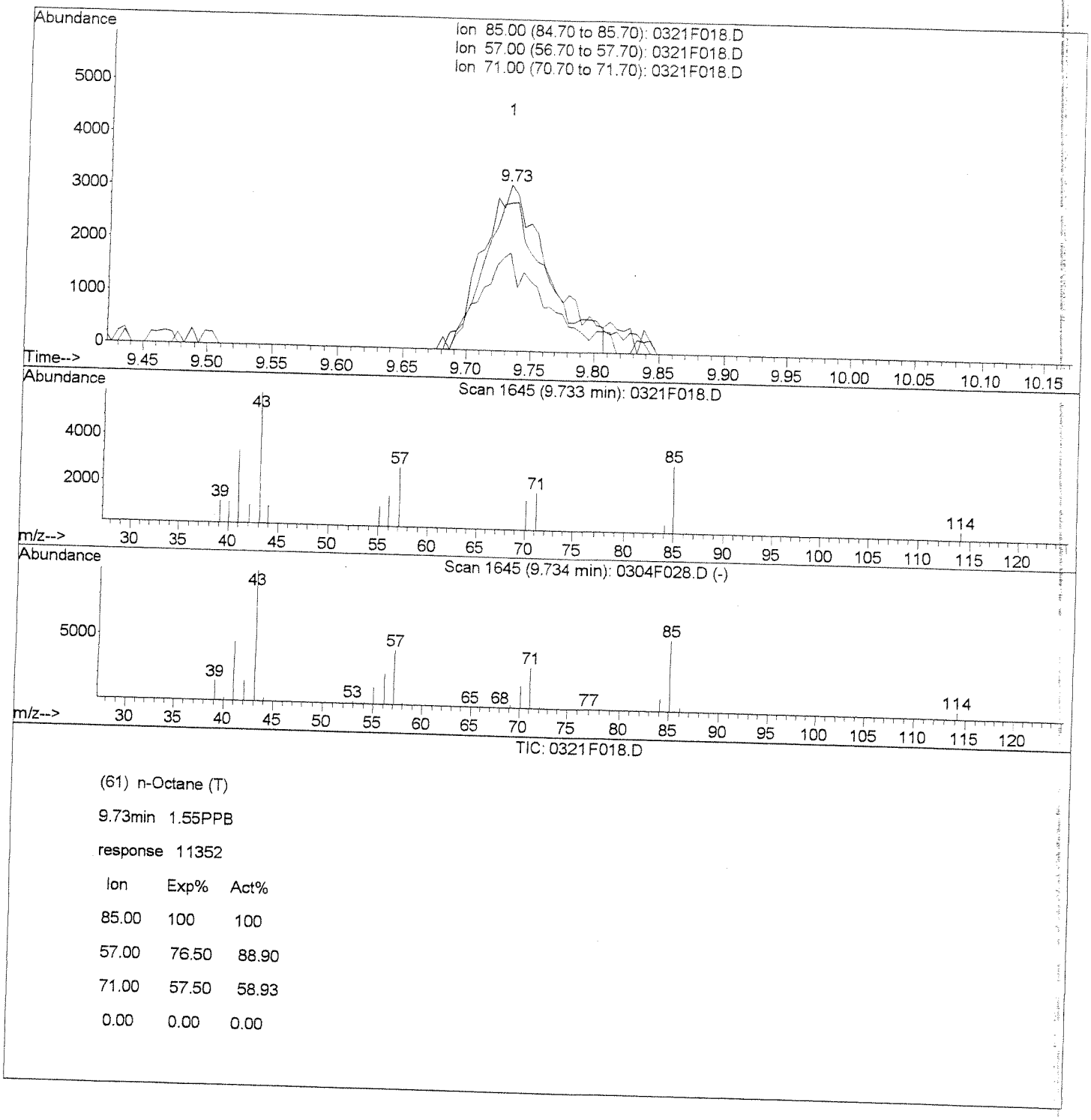
0321F018.D 032108_8260W.M Sat Mar 22 17:49:56 2008

Data File : J:\MS13\DATA\032108\0321F018.D
Acq On : 22 Mar 2008 1:22 am
Sample : 8260 ICAL (Water) #6
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:50 2008

Vial: 18
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Single Level Calibration



(61) n-Octane (T)

9.73min 1.55PPB

response 11352

Ion	Exp%	Act%
85.00	100	100
57.00	76.50	88.90
71.00	57.50	58.93
0.00	0.00	0.00

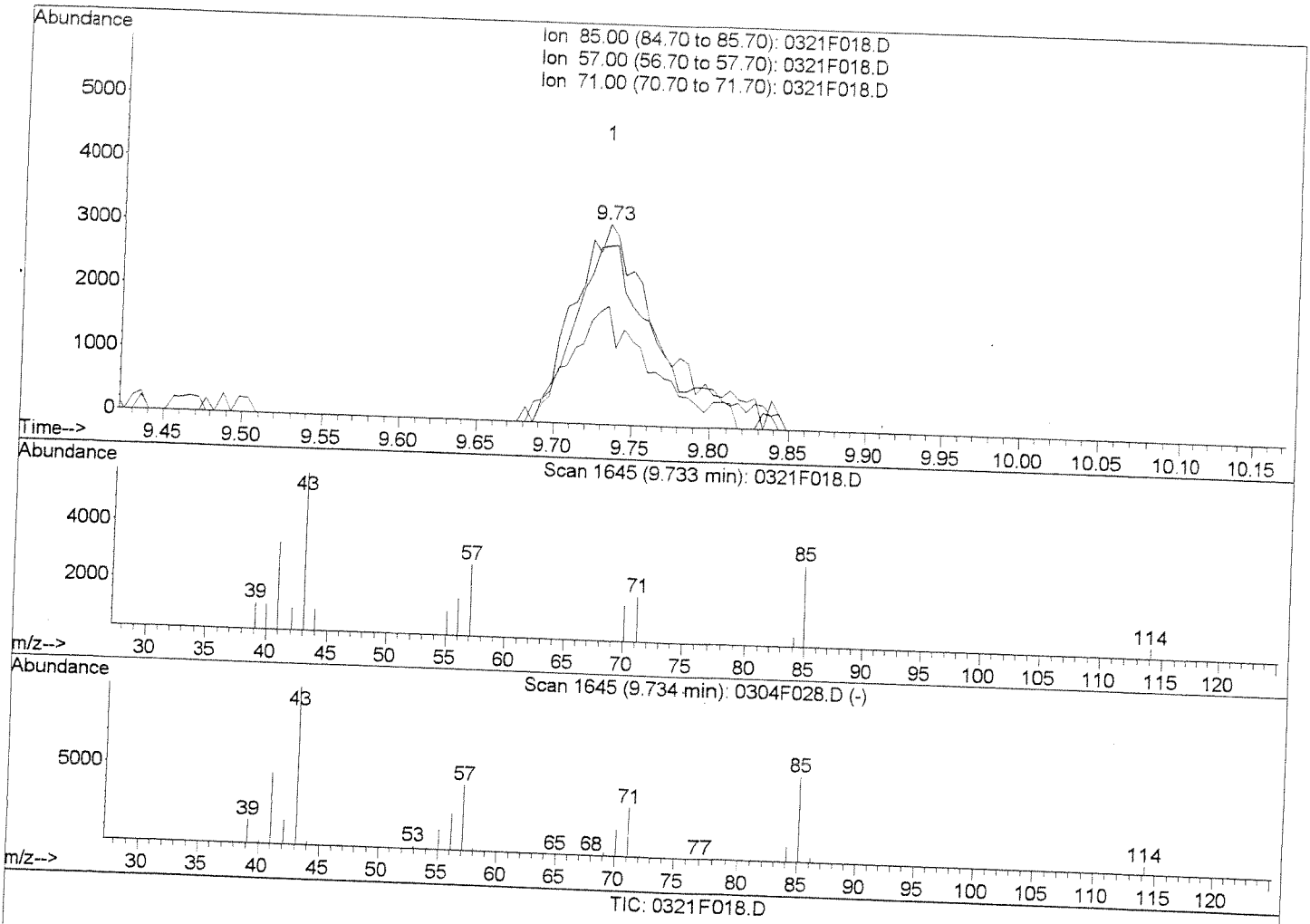
0321F018.D 032108_8260W.M Sat Mar 22 17:50:24 2008

Data File : J:\MS13\DATA\032108\0321F018.D
Acq On : 22 Mar 2008 1:22 am
Sample : 8260 ICAL (Water) #6
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:50 2008

Vial: 18
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Single Level Calibration



(61) n-Octane (T)

9.73min 1.62PPB m

response 11884

Ion	Exp%	Act%
85.00	100	100
57.00	76.50	88.90
71.00	57.50	58.93
0.00	0.00	0.00

Peak tailing
KB 3/22/08

HZ 3.24.08

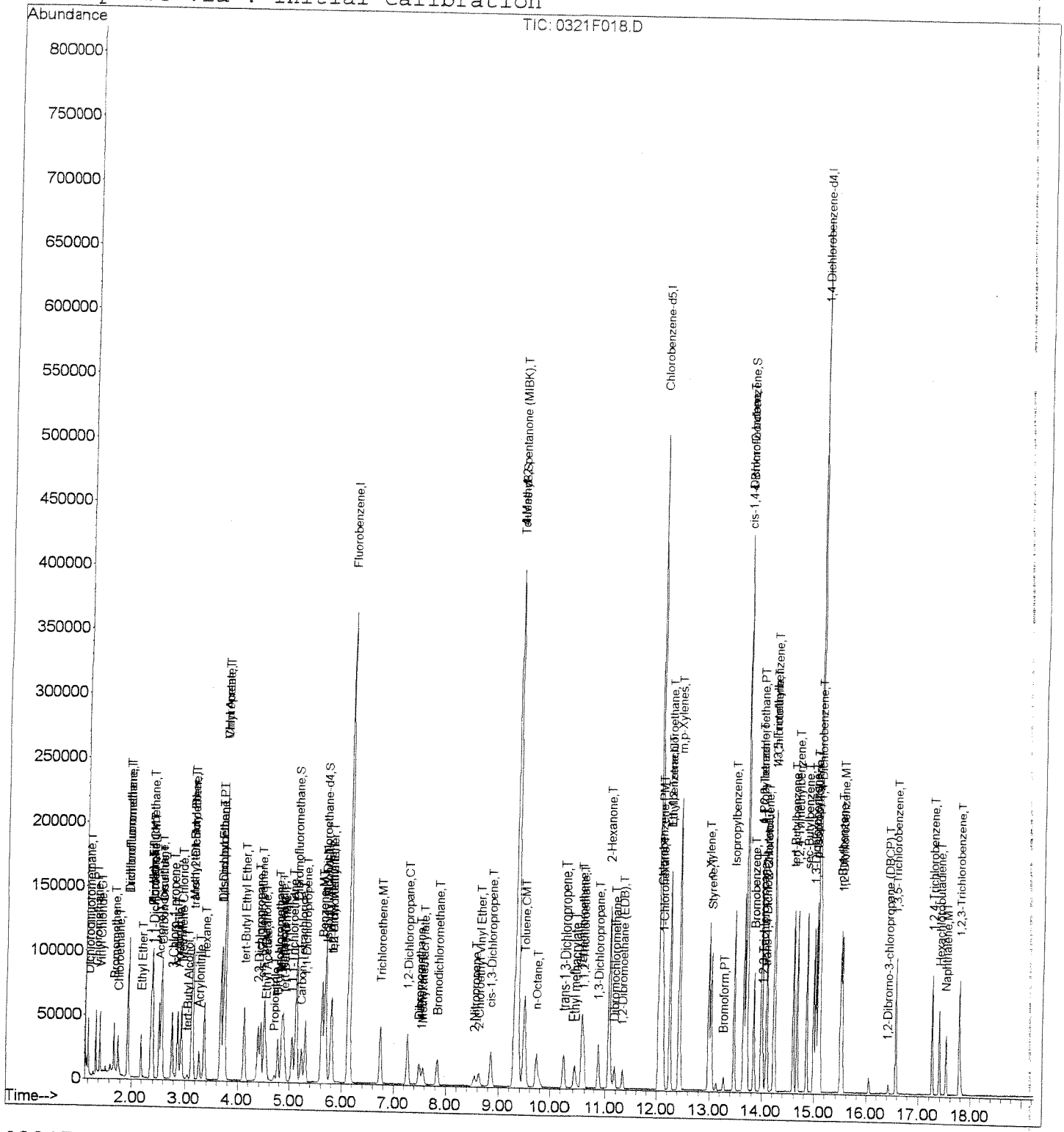
0321F018.D 032108_8260W.M Sat Mar 22 17:50:30 2008

Data File : J:\MS13\DATA\032108\0321F018.D
Acq On : 22 Mar 2008 1:22 am
Sample : 8260 ICAL (Water) #6
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:50 2008

Vial: 18
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration



0321F018.D 032108_8260W.M Sat Mar 22 17:59:10 2008 Page 4

Data File : J:\MS13\DATA\032108\0321F019.D Vial: 19
Acq On : 22 Mar 2008 1:50 am Operator:
Sample : 8260 ICAL (Water) #7 Inst : MS13
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 22 17:47:58 2008 Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.14	96	468929	10.00	PPB	0.00
60) Chlorobenzene-d5	12.05	82	204255	10.00	PPB	0.00
81) 1,4-Dichlorobenzene-d4	15.08	152	192165	10.00	PPB	0.00
System Monitoring Compounds						
40) Dibromofluoromethane	5.13	113	90976	8.49	PPB	0.00
Spiked Amount 10.000			Recovery =	84.90%		
44) 1,2-Dichloroethane-d4	5.68	65	112899	9.43	PPB	0.00
Spiked Amount 10.000			Recovery =	94.30%		
58) Toluene-d8	9.33	98	404396	7.93	PPB	0.00
Spiked Amount 10.000			Recovery =	79.30%		
80) 4-Bromofluorobenzene	13.71	95	160251	8.13	PPB	0.00
Spiked Amount 10.000			Recovery =	81.30%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	49801	3.74	PPB	99
3) Chloromethane	1.34	50	63848	3.53	PPB	97
4) Vinyl Chloride	1.42	62	62420	3.45	PPB	97
5) Bromomethane	1.68	96	39040	3.82	PPB	98
6) Chloroethane	1.76	64	40713	3.71	PPB	100
7) Dichlorofluoromethane	1.94	67	100733	4.41	PPB	99
8) Trichlorofluoromethane	1.93	101	80816	4.29	PPB	98
9) Ethyl Ether	2.19	59	37636	4.54	PPB	93
10) Acrolein	2.37	56	101776	87.87	PPB	96
11) Trichlorotrifluoroethane	2.36	151	37966	4.36	PPB	95
12) 1,1-Dichloroethene	2.40	96	39783	3.61	PPB	97
13) Acetone	2.52	43	142148	83.24	PPB	94
14) Iodomethane	2.56	142	232601m	19.45	PPB	
15) Carbon Disulfide	2.58	76	147329	3.77	PPB	100
16) 3-Chloro-1-propene	2.77	76	28361	4.01	PPB #	81
17) Acetonitrile	2.86	40	74314	164.14	PPB	99
18) Methylene Chloride	2.92	84	66957	4.89	PPB	97
19) tert-Butyl Alcohol	3.03	59	8367	16.99	PPB	96
20) Acrylonitrile	3.27	53	43524	15.62	PPB	99
21) Methyl tert-Butyl Ether	3.13	73	241797	8.89	PPB	99
22) trans-1,2-Dichloroethene	3.15	96	52981	4.02	PPB	100
23) Hexane	3.36	57	68569	4.03	PPB	95
24) Diisopropyl Ether	3.67	45	164673	3.91	PPB	94
25) 1,1-Dichloroethane	3.68	63	100303	4.24	PPB	96
26) Vinyl Acetate	3.74	86	16072	7.90	PPB	99
27) Chloroprene	3.74	53	310122	15.08	PPB	98
28) tert-Butyl Ethyl Ether	4.12	59	147466	4.17	PPB	96

(#) = qualifier out of range (m) = manual integration
0321F019.D 032108_8260W.M Sat Mar 22 17:59:14 2008 Page 1

3/22/08 32408

Data File : J:\MS13\DATA\032108\0321F019.D
Acq On : 22 Mar 2008 1:50 am
Sample : 8260 ICAL (Water) #7
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:47:58 2008

Vial: 19
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	2,2-Dichloropropane	4.37	77	71263	3.93	PPB		98
30)	cis-1,2-Dichloroethene	4.43	96	60509	4.31	PPB		97
31)	2-Butanone	4.50	72	56203	82.79	PPB		92
32)	Propionitrile	4.69	54	14968	15.52	PPB		89
33)	Ethyl Acetate	4.53	61	13020	15.58	PPB		94
34)	Methacrylonitrile	4.85	67	52001	16.06	PPB		92
35)	Bromochloromethane	4.76	128	27698	5.07	PPB		93
36)	Tetrahydrofuran	4.78	71	2327m	3.74	PPB		
37)	Chloroform	4.88	83	98886	4.70	PPB		96
38)	tert-Butyl Formate	4.91	59	20137	2.25	PPB		92
39)	1,1,1-Trichloroethane	5.05	97	72947	4.11	PPB		96
41)	Carbon Tetrachloride	5.23	117	52559	3.89	PPB		94
42)	1,1-Dichloropropene	5.30	75	70613	3.85	PPB		95
43)	Isobutyl Alcohol	5.69	43	27216	120.90	PPB		90
45)	Benzene	5.62	78	230563	4.16	PPB		96
46)	1,2-Dichloroethane	5.80	62	74947	5.28	PPB		94
47)	tert-Amyl Methyl Ether	5.80	55	35341	5.10	PPB	#	59
48)	Trichloroethene	6.74	95	53716	4.08	PPB		95
49)	1,2-Dichloropropane	7.27	63	56572	4.27	PPB		92
50)	Dibromomethane	7.50	93	26716	4.66	PPB		90
51)	Methyl methacrylate	7.57	69	21825	3.89	PPB		98
52)	1,4-Dioxane	7.55	88	10627	170.58	PPB		97
53)	Bromodichloromethane	7.84	83	60863	4.38	PPB		93
54)	2-Nitropropane	8.54	43	16717	14.91	PPB		94
55)	2-Chloroethyl Vinyl Ether	8.62	63	20164	3.98	PPB		96
56)	cis-1,3-Dichloropropene	8.85	75	76496	4.07	PPB		98
57)	4-Methyl-2-pentanone (MIBK	9.32	58	189433	73.75	PPB	#	85
59)	Toluene	9.48	92	154192	4.17	PPB		98
61)	n-Octane	9.74	85	34239	4.59	PPB		93
62)	trans-1,3-Dichloropropene	10.26	75	61005	3.89	PPB		98
63)	Ethyl methacrylate	10.42	69	43646	3.70	PPB		91
64)	1,1,2-Trichloroethane	10.58	83	32241	4.06	PPB		98
65)	Tetrachloroethene	10.54	164	45554	4.01	PPB		97
66)	2-Hexanone	11.08	57	62284	73.18	PPB	#	85
67)	1,3-Dichloropropane	10.87	76	72885	4.28	PPB		99
68)	Dibromochloromethane	11.17	129	33072	4.19	PPB		99
69)	1,2-Dibromoethane (EDB)	11.33	107	36536	4.55	PPB		97
70)	1-Chlorohexane	12.12	91	66160	3.56	PPB		96
71)	Chlorobenzene	12.09	112	177818	4.40	PPB		97
72)	Ethylbenzene	12.25	106	88813	3.91	PPB		97
73)	1,1,1,2-Tetrachloroethane	12.26	131	43446	4.14	PPB		98

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

Data File : J:\MS13\DATA\032108\0321F019.D
Acq On : 22 Mar 2008 1:50 am
Sample : 8260 ICAL (Water) #7
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:47:58 2008

Vial: 19
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
74)	m,p-Xylenes	12.44	106	225146	7.97	PPB		99
75)	o-Xylene	12.98	106	107857	3.96	PPB		99
76)	Styrene	13.03	103	85086	4.02	PPB		97
77)	Bromoform	13.27	173	14891	4.11	PPB		99
78)	Isopropylbenzene	13.47	105	265519	4.04	PPB		99
79)	cis-1,4-Dichloro-2-butene	13.70	89	13810	12.98	PPB	#	37
82)	1,1,2,2-Tetrachloroethane	13.99	83	36345	3.81	PPB		98
83)	trans-1,4-Dichloro-2-buten	14.07	53	9244	3.70	PPB		96
84)	Bromobenzene	13.85	156	72578	4.38	PPB		95
85)	n-Propylbenzene	13.99	91	311014	3.79	PPB		99
86)	1,2,3-Trichloropropane	14.02	110	12672	4.72	PPB		91
87)	2-Chlorotoluene	14.10	91	210226	4.09	PPB		99
88)	1,3,5-Trimethylbenzene	14.23	105	222968	3.95	PPB		98
89)	4-Chlorotoluene	14.25	91	239185	4.11	PPB		97
90)	tert-Butylbenzene	14.59	119	189586	4.02	PPB		99
91)	1,2,4-Trimethylbenzene	14.67	105	222761	4.03	PPB		100
92)	sec-Butylbenzene	14.85	105	253125	4.04	PPB		98
93)	p-Isopropyltoluene	15.03	119	218115	4.01	PPB		96
94)	1,3-Dichlorobenzene	14.99	146	137539	4.26	PPB		98
95)	1,4-Dichlorobenzene	15.11	146	139372	4.27	PPB		98
96)	n-Butylbenzene	15.49	91	172426	4.01	PPB		97
97)	1,2-Dichlorobenzene	15.52	146	126534	4.36	PPB		96
98)	1,2-Dibromo-3-chloropropan	16.42	155	3695	3.67	PPB		95
99)	1,3,5-Trichlorobenzene	16.57	180	84347	4.60	PPB		100
100)	1,2,4-Trichlorobenzene	17.25	180	71461	4.51	PPB		93
101)	Hexachlorobutadiene	17.39	225	35878	4.81	PPB		96
102)	Naphthalene	17.52	128	99800	3.69	PPB		96
103)	1,2,3-Trichlorobenzene	17.77	180	55291	4.41	PPB		97

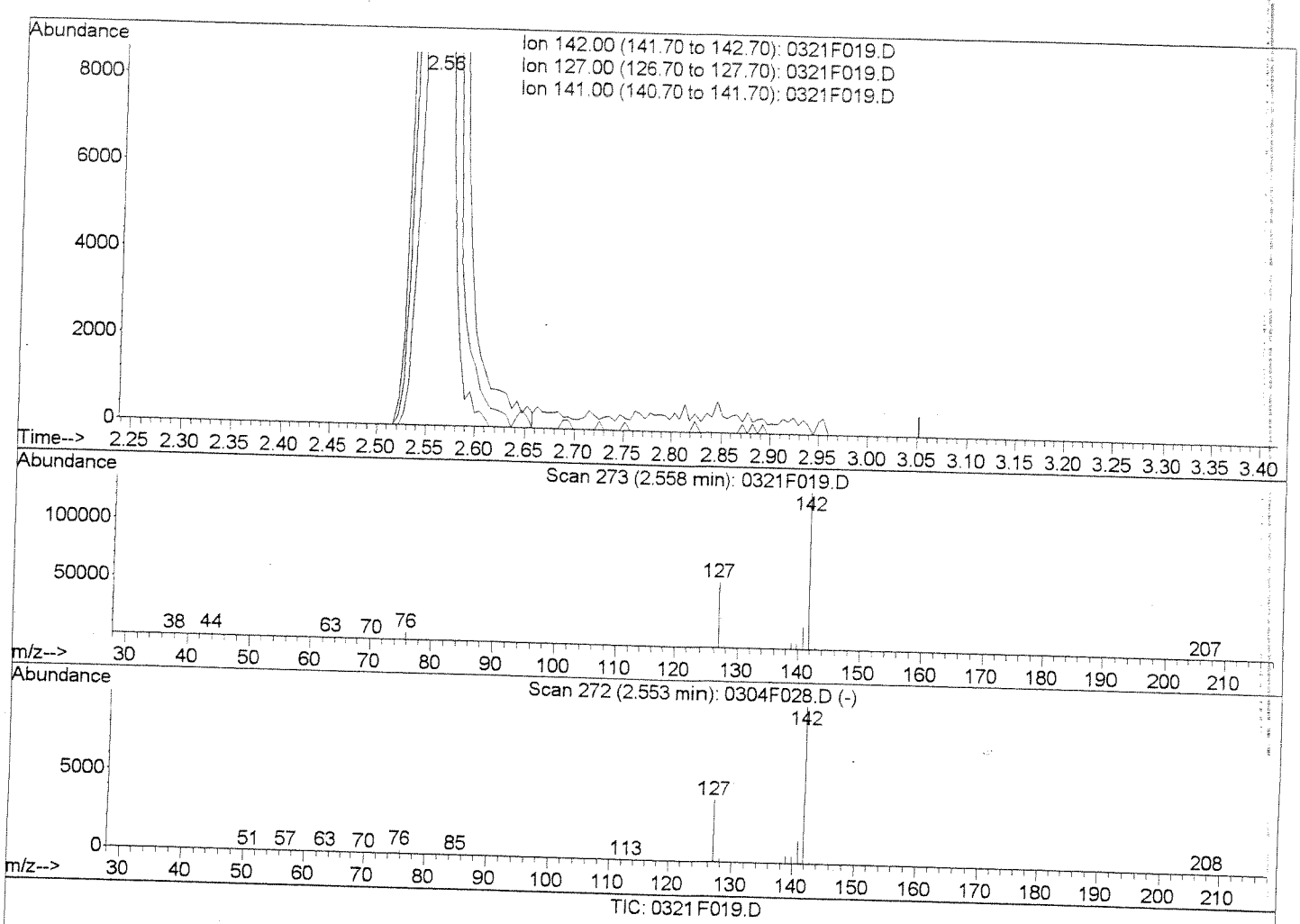
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS13\DATA\032108\0321F019.D
Acq On : 22 Mar 2008 1:50 am
Sample : 8260 ICAL (Water) #7
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48 2008

Vial: 19
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(14) Iodomethane (T)

2.56min 18.96PPB

response 226649

Ion	Exp%	Act%
142.00	100	100
127.00	39.50	41.62
141.00	14.00	14.20
0.00	0.00	0.00

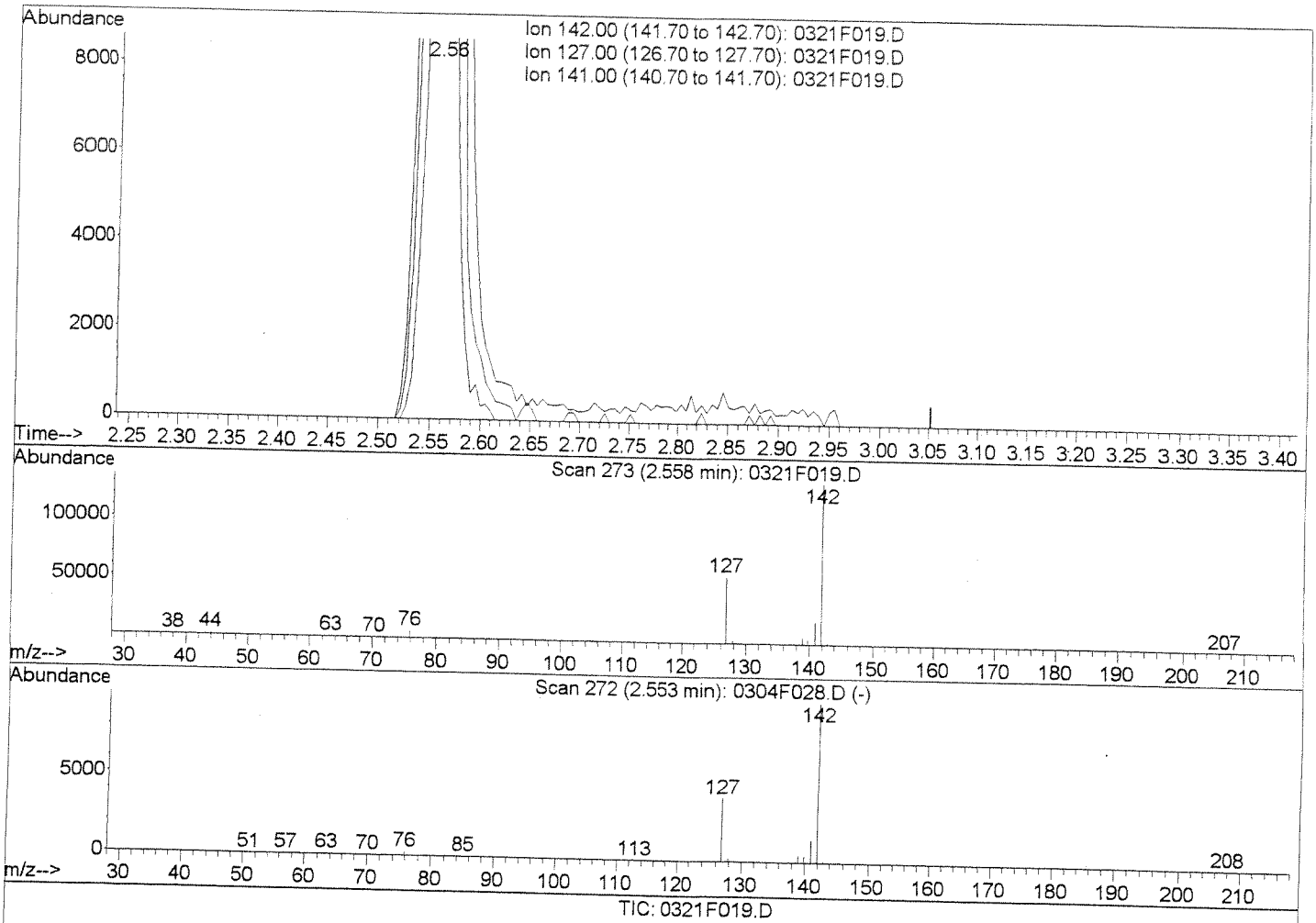
0321F019.D 032108_8260W.M Sat Mar 22 17:51:01 2008

Data File : J:\MS13\DATA\032108\0321F019.D
Acq On : 22 Mar 2008 1:50 am
Sample : 8260 ICAL (Water) #7
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:51 2008

Vial: 19
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(14) Iodomethane (T)

2.56min 19.45PPB m

response 232601

Ion	Exp%	Act%
142.00	100	100
127.00	39.50	41.62
141.00	14.00	14.20
0.00	0.00	0.00

peak tailing
LB 3/22/08

HL 3/24/08

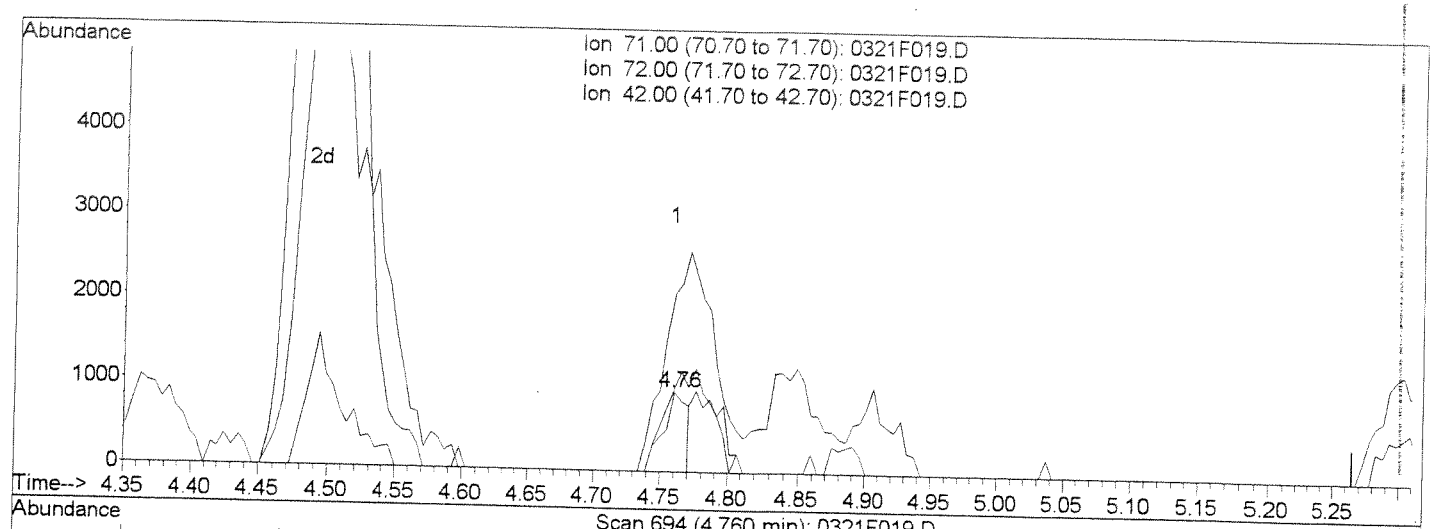
0321F019.D 032108_8260W.M Sat Mar 22 17:51:05 2008

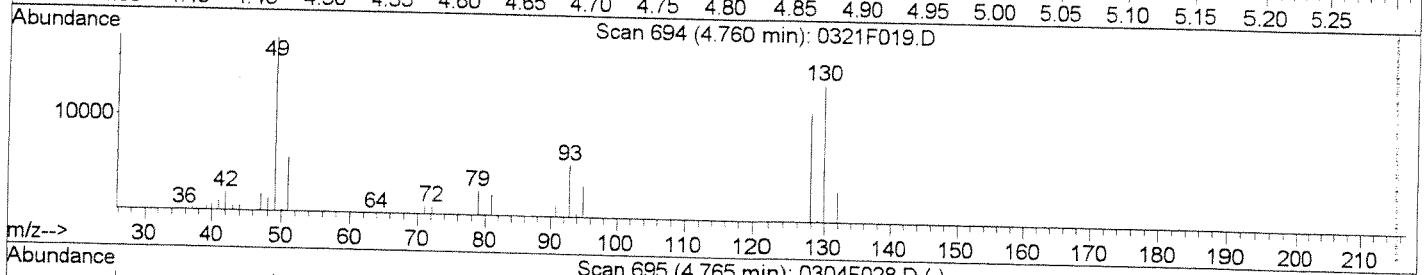
Data File : J:\MS13\DATA\032108\0321F019.D
Acq On : 22 Mar 2008 1:50 am
Sample : 8260 ICAL (Water) #7
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:51 2008

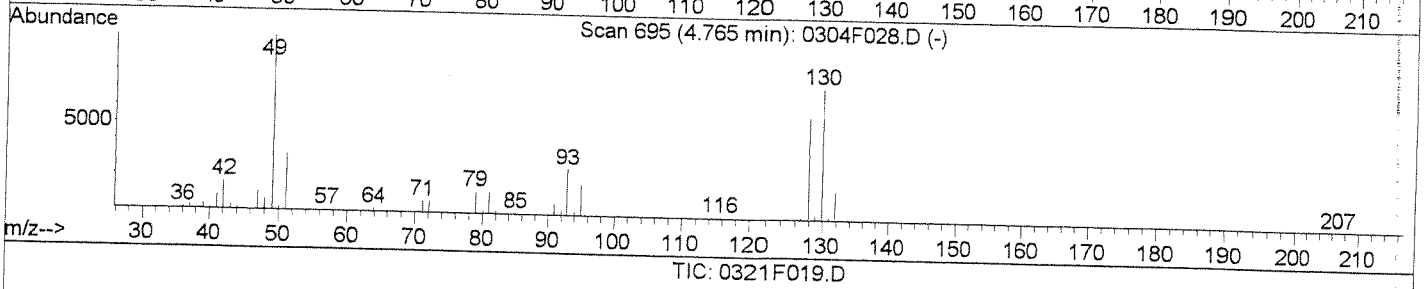
Vial: 19
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Single Level Calibration







TIC: 0321F019.D

(36) Tetrahydrofuran (T)

4.76min 1.88PPB

response 1173

Ion	Exp%	Act%
71.00	100	100
72.00	94.30	104.05
42.00	250.00	223.35
0.00	0.00	0.00

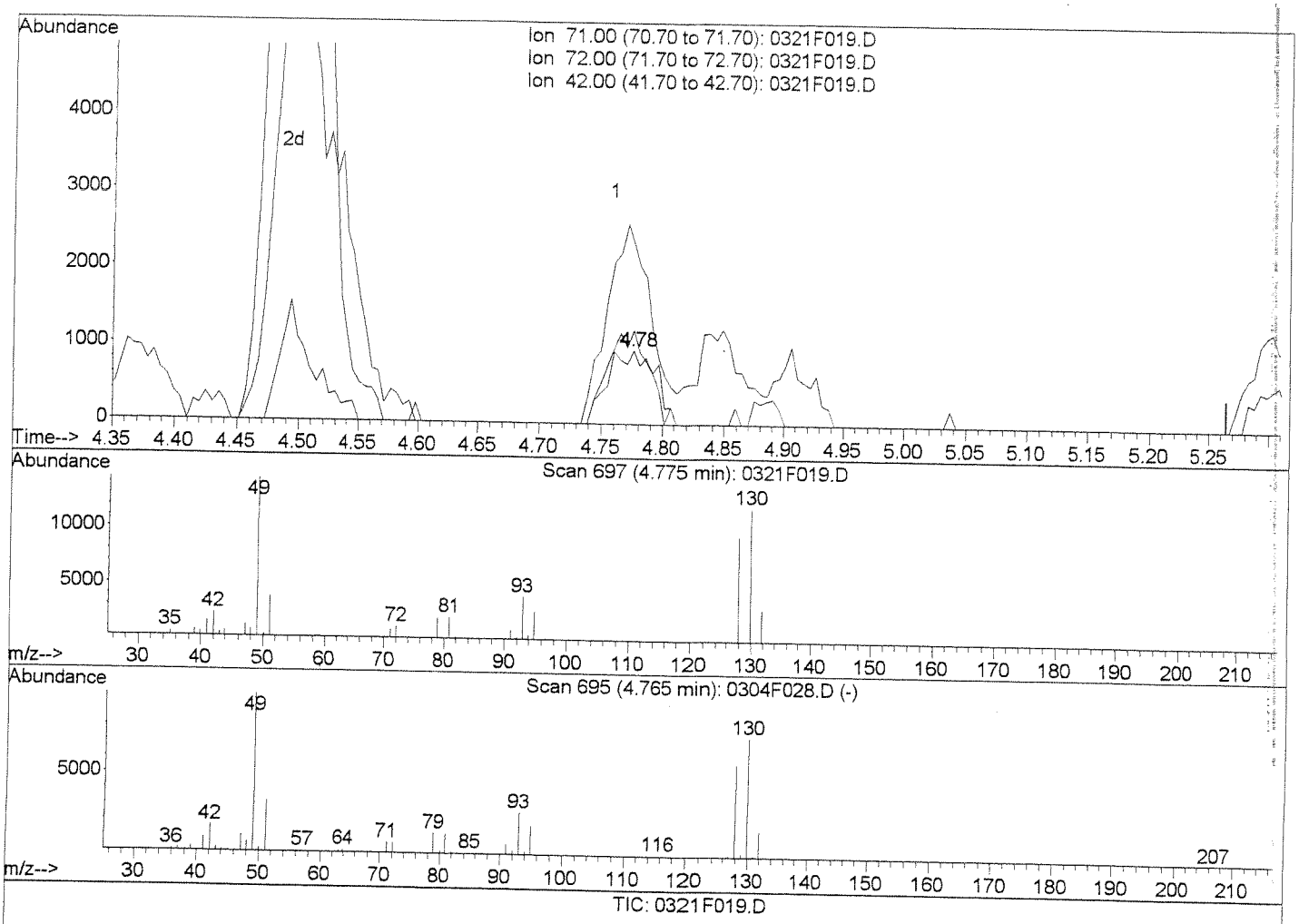
0321F019.D 032108_8260W.M Sat Mar 22 17:51:19 2008

Data File : J:\MS13\DATA\032108\0321F019.D
Acq On : 22 Mar 2008 1:50 am
Sample : 8260 ICAL (Water) #7
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:51 2008

Vial: 19
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Single Level Calibration



(36) Tetrahydrofuran (T)

4.78min 3.74PPB m

response 2327

Ion	Exp%	Act%
71.00	100	100
72.00	94.30	127.89#
42.00	250.00	244.11
0.00	0.00	0.00

split peak

LB 3/20/08

3/24/08

HL 3.24.08

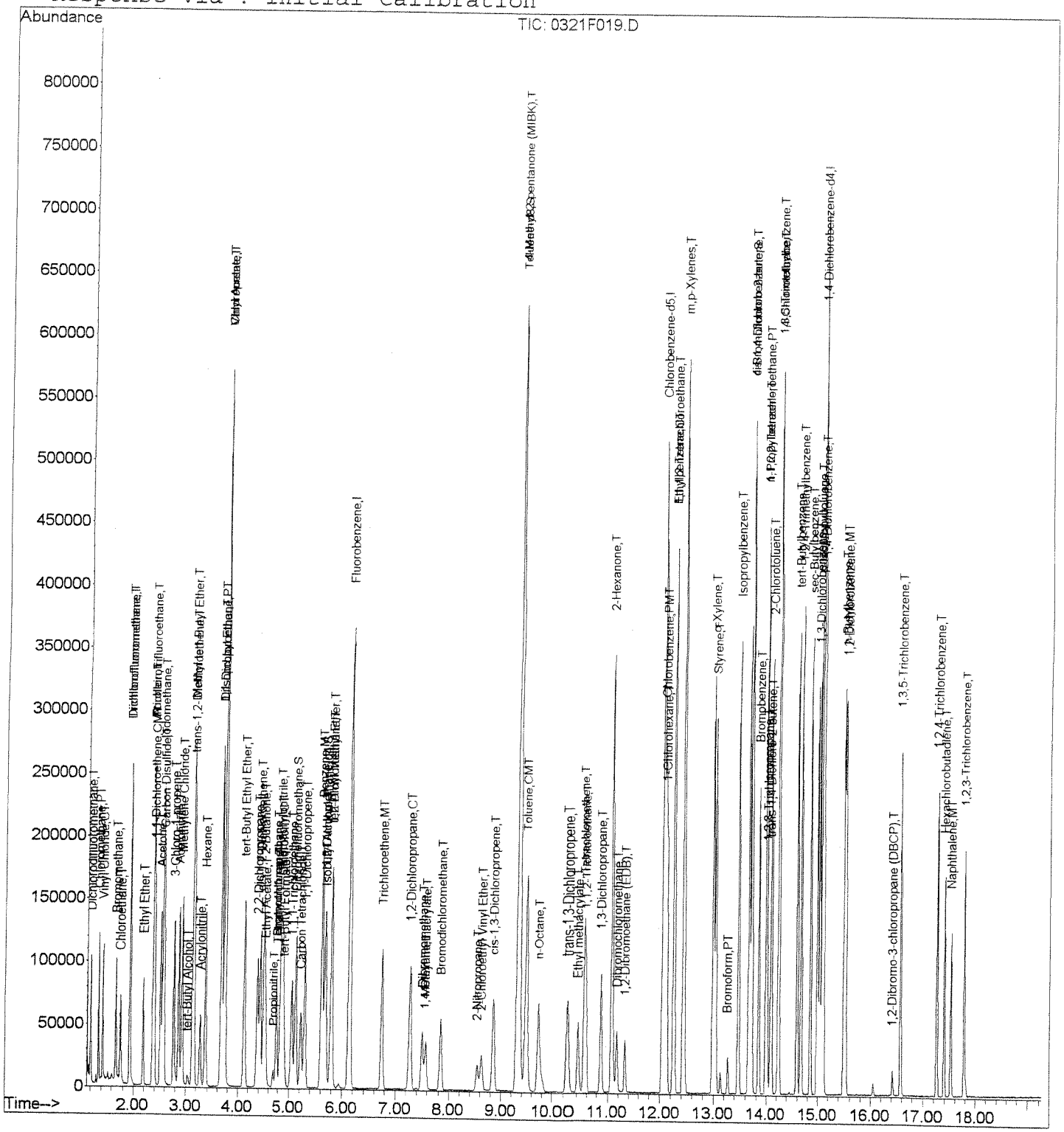
0321F019.D 032108_8260W.M Sat Mar 22 17:51:23 2008

Data File : J:\MS13\DATA\032108\0321F019.D
Acq On : 22 Mar 2008 1:50 am
Sample : 8260 ICAL (Water) #7
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:51 2008

Vial: 19
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration



0321F019.D 032108_8260W.M Sat Mar 22 17:59:15 2008 Page 4

Data File : J:\MS13\DATA\032108\0321F020.D
Acq On : 22 Mar 2008 2:17 am
Sample : 8260 ICAL (Water) #8
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48:01 2008

Vial: 20
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.14	96	470955	10.00	PPB		0.00
60) Chlorobenzene-d5	12.05	82	203895	10.00	PPB		0.00
81) 1,4-Dichlorobenzene-d4	15.08	152	192865	10.00	PPB		0.00
System Monitoring Compounds							
40) Dibromofluoromethane	5.13	113	103255	9.60	PPB		0.00
Spiked Amount 10.000			Recovery =	96.00%			
44) 1,2-Dichloroethane-d4	5.67	65	123582	10.28	PPB		0.00
Spiked Amount 10.000			Recovery =	102.80%			
58) Toluene-d8	9.33	98	455018	8.88	PPB		0.00
Spiked Amount 10.000			Recovery =	88.80%			
80) 4-Bromofluorobenzene	13.71	95	181956	9.25	PPB		0.00
Spiked Amount 10.000			Recovery =	92.50%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	110177	8.24	PPB		98
3) Chloromethane	1.34	50	135392	7.45	PPB		96
4) Vinyl Chloride	1.42	62	132114	7.28	PPB		99
5) Bromomethane	1.68	96	80920	7.89	PPB		99
6) Chloroethane	1.76	64	85935	7.79	PPB		98
7) Dichlorofluoromethane	1.94	67	216227	9.43	PPB		99
8) Trichlorofluoromethane	1.94	101	175254	9.25	PPB		98
9) Ethyl Ether	2.19	59	74995	9.01	PPB		97
10) Acrolein	2.37	56	201572	173.27	PPB		99
11) Trichlorotrifluoroethane	2.36	151	81653	9.34	PPB		98
12) 1,1-Dichloroethene	2.40	96	87828	7.94	PPB		98
13) Acetone	2.51	43	304979	177.82	PPB		95
14) Iodomethane	2.56	142	484790m	40.37	PPB		
15) Carbon Disulfide	2.58	76	323266	8.23	PPB		99
16) 3-Chloro-1-propene	2.77	76	60161	8.46	PPB	#	82
17) Acetonitrile	2.86	40	146701	322.64	PPB		99
18) Methylene Chloride	2.92	84	119412	8.69	PPB		97
19) tert-Butyl Alcohol	3.03	59	17790	35.97	PPB		92
20) Acrylonitrile	3.27	53	84978	30.37	PPB		95
21) Methyl tert-Butyl Ether	3.13	73	479191	17.54	PPB		96
22) trans-1,2-Dichloroethene	3.15	96	109677	8.28	PPB		98
23) Hexane	3.36	57	148727	8.71	PPB		99
24) Diisopropyl Ether	3.67	45	335602	7.93	PPB		98
25) 1,1-Dichloroethane	3.68	63	202370	8.51	PPB		98
26) Vinyl Acetate	3.75	86	34205	16.74	PPB		94
27) Chloroprene	3.74	53	678330	32.84	PPB		98
28) tert-Butyl Ethyl Ether	4.12	59	294322	8.29	PPB		96

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

3/22/08 3/24/08

Data File : J:\MS13\DATA\032108\0321F020.D
Acq On : 22 Mar 2008 2:17 am
Sample : 8260 ICAL (Water) #8
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48:01 2008

Vial: 20
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	2,2-Dichloropropane	4.38	77	152033	8.36	PPB		99
30)	cis-1,2-Dichloroethene	4.43	96	125272	8.88	PPB		98
31)	2-Butanone	4.49	72	122155	179.16	PPB		90
32)	Propionitrile	4.70	54	30475	31.46	PPB		96
33)	Ethyl Acetate	4.53	61	26776	31.91	PPB		96
34)	Methacrylonitrile	4.85	67	104842	32.24	PPB		96
35)	Bromochloromethane	4.76	128	54521	9.93	PPB		92
36)	Tetrahydrofuran	4.76	71	5747	9.19	PPB		91
37)	Chloroform	4.88	83	199440	9.43	PPB		97
38)	tert-Butyl Formate	4.91	59	43828	4.89	PPB		94
39)	1,1,1-Trichloroethane	5.05	97	158981	8.91	PPB		97
41)	Carbon Tetrachloride	5.23	117	117603	8.67	PPB		97
42)	1,1-Dichloropropene	5.30	75	152078	8.26	PPB		97
43)	Isobutyl Alcohol	5.69	43	59807	264.54	PPB		93
45)	Benzene	5.61	78	476282	8.55	PPB		99
46)	1,2-Dichloroethane	5.80	62	147305	10.33	PPB		96
47)	tert-Amyl Methyl Ether	5.80	55	70356	10.11	PPB	#	70
48)	Trichloroethene	6.75	95	115026	8.70	PPB		98
49)	1,2-Dichloropropane	7.26	63	112733	8.48	PPB		95
50)	Dibromomethane	7.50	93	54481	9.46	PPB		96
51)	Methyl methacrylate	7.57	69	44410	7.88	PPB		90
52)	1,4-Dioxane	7.53	88	21497	343.57	PPB		100
53)	Bromodichloromethane	7.84	83	123896	8.88	PPB		97
54)	2-Nitropropane	8.54	43	35725	31.74	PPB		98
55)	2-Chloroethyl Vinyl Ether	8.62	63	42900	8.42	PPB		95
56)	cis-1,3-Dichloropropene	8.85	75	161485	8.55	PPB		96
57)	4-Methyl-2-pentanone (MIBK	9.32	58	415062	160.89	PPB		97
59)	Toluene	9.49	92	323892	8.72	PPB		97
61)	n-Octane	9.74	85	72382	9.72	PPB		96
62)	trans-1,3-Dichloropropene	10.26	75	130311	8.33	PPB		99
63)	Ethyl methacrylate	10.41	69	92564	7.86	PPB		99
64)	1,1,2-Trichloroethane	10.58	83	67662	8.53	PPB		96
65)	Tetrachloroethene	10.54	164	96752	8.54	PPB		97
66)	2-Hexanone	11.07	57	138254	162.72	PPB		93
67)	1,3-Dichloropropane	10.87	76	147464	8.68	PPB		100
68)	Dibromochloromethane	11.18	129	71465	9.07	PPB		99
69)	1,2-Dibromoethane (EDB)	11.33	107	73964	9.24	PPB		100
70)	1-Chlorohexane	12.12	91	149521	8.05	PPB		100
71)	Chlorobenzene	12.09	112	365195	9.06	PPB		98
72)	Ethylbenzene	12.25	106	190196	8.38	PPB		93
73)	1,1,1,2-Tetrachloroethane	12.26	131	94277	8.99	PPB		97

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

Data File : J:\MS13\DATA\032108\0321F020.D
Acq On : 22 Mar 2008 2:17 am
Sample : 8260 ICAL (Water) #8
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48:01 2008

Vial: 20
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74)	m,p-Xylenes	12.44	106	481730	17.09	PPB	100
75)	o-Xylene	12.98	106	233403	8.58	PPB	98
76)	Styrene	13.03	103	190851	9.04	PPB	96
77)	Bromoform	13.27	173	32946	9.10	PPB	97
78)	Isopropylbenzene	13.47	105	578847	8.82	PPB	99
79)	cis-1,4-Dichloro-2-butene	13.70	89	30133	28.36	PPB	95
82)	1,1,2,2-Tetrachloroethane	13.99	83	76344	7.98	PPB	99
83)	trans-1,4-Dichloro-2-buten	14.07	53	20469	8.16	PPB	91
84)	Bromobenzene	13.85	156	146603	8.81	PPB	98
85)	n-Propylbenzene	13.99	91	683034	8.28	PPB	99
86)	1,2,3-Trichloropropane	14.02	110	25436	9.44	PPB	98
87)	2-Chlorotoluene	14.10	91	440192	8.53	PPB	97
88)	1,3,5-Trimethylbenzene	14.23	105	491186	8.66	PPB	99
89)	4-Chlorotoluene	14.25	91	506556	8.67	PPB	98
90)	tert-Butylbenzene	14.59	119	414523	8.76	PPB	98
91)	1,2,4-Trimethylbenzene	14.67	105	481965	8.70	PPB	96
92)	sec-Butylbenzene	14.85	105	564992	8.98	PPB	99
93)	p-Isopropyltoluene	15.03	119	486848	8.93	PPB	97
94)	1,3-Dichlorobenzene	14.99	146	290121	8.94	PPB	96
95)	1,4-Dichlorobenzene	15.11	146	288019	8.80	PPB	99
96)	n-Butylbenzene	15.50	91	388210	8.99	PPB	99
97)	1,2-Dichlorobenzene	15.52	146	260225	8.93	PPB	100
98)	1,2-Dibromo-3-chloropropan	16.42	155	7936	7.85	PPB	86
99)	1,3,5-Trichlorobenzene	16.57	180	174985	9.52	PPB	99
100)	1,2,4-Trichlorobenzene	17.25	180	146643	9.21	PPB	97
101)	Hexachlorobutadiene	17.39	225	75536	10.09	PPB	100
102)	Naphthalene	17.52	128	216703	7.99	PPB	97
103)	1,2,3-Trichlorobenzene	17.77	180	114362	9.09	PPB	99

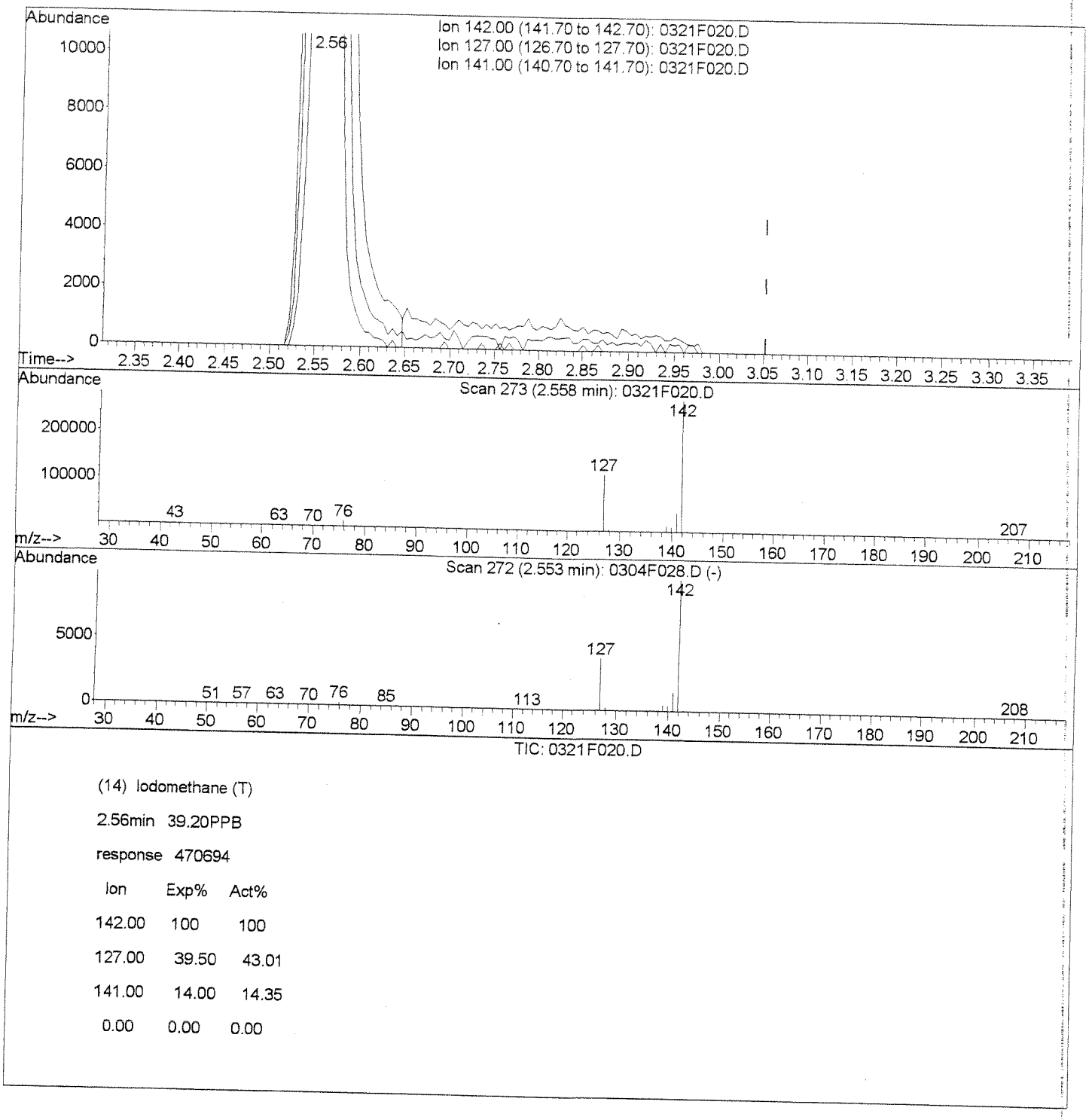
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS13\DATA\032108\0321F020.D
Acq On : 22 Mar 2008 2:17 am
Sample : 8260 ICAL (Water) #8
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48 2008

Vial: 20
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(14) Iodomethane (T)

2.56min 39.20PPB

response 470694

Ion	Exp%	Act%
142.00	100	100
127.00	39.50	43.01
141.00	14.00	14.35
0.00	0.00	0.00

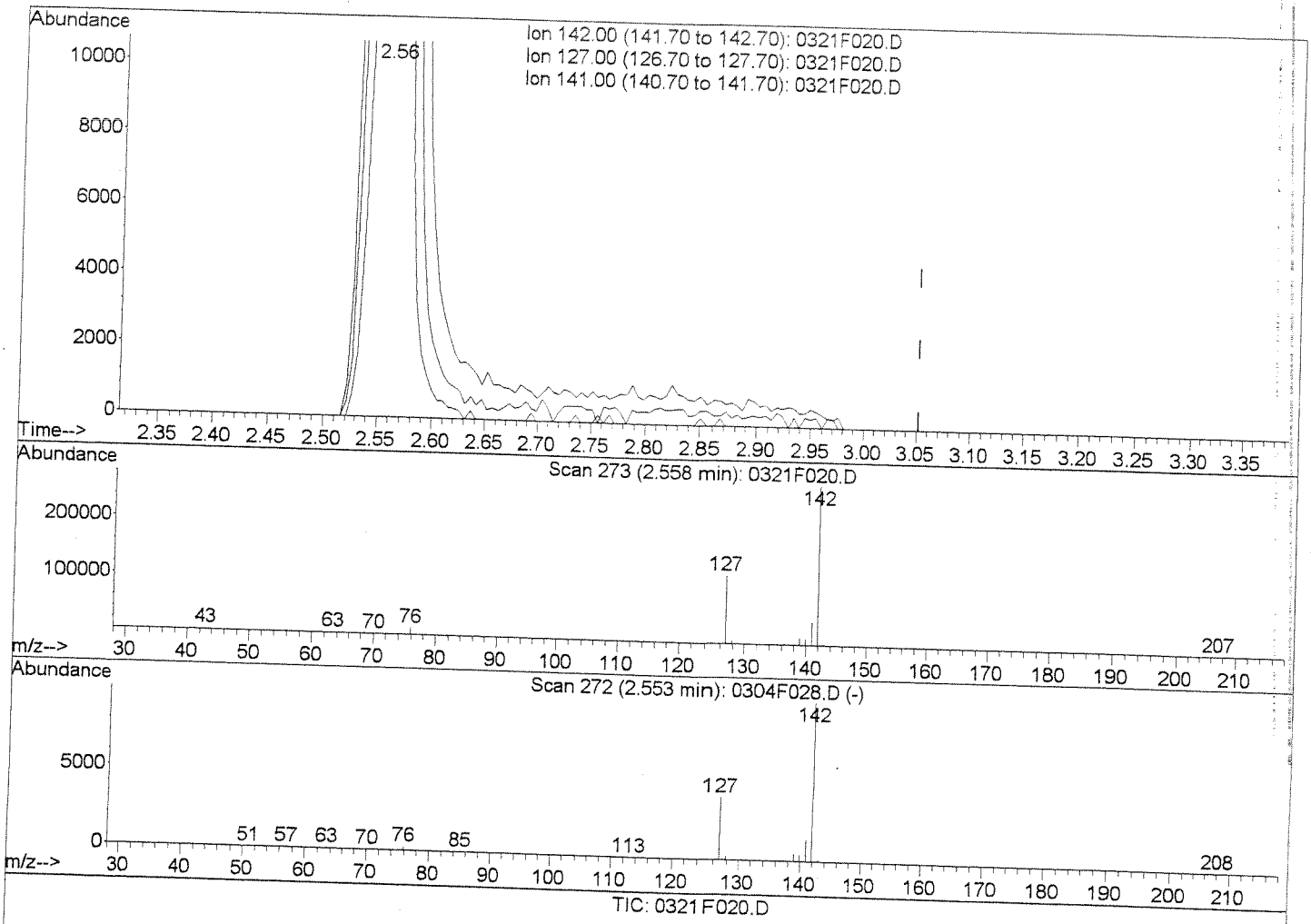
0321F020.D 032108_8260W.M Sat Mar 22 17:52:09 2008

Data File : J:\MS13\DATA\032108\0321F020.D
Acq On : 22 Mar 2008 2:17 am
Sample : 8260 ICAL (Water) #8
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:52 2008

Vial: 20
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(14) Iodomethane (T)

2.56min 40.37PPB m

response 484790

Ion	Exp%	Act%
142.00	100	100
127.00	39.50	43.01
141.00	14.00	14.35
0.00	0.00	0.00

peak failing
KB 3/22/08

HR 3.24.08

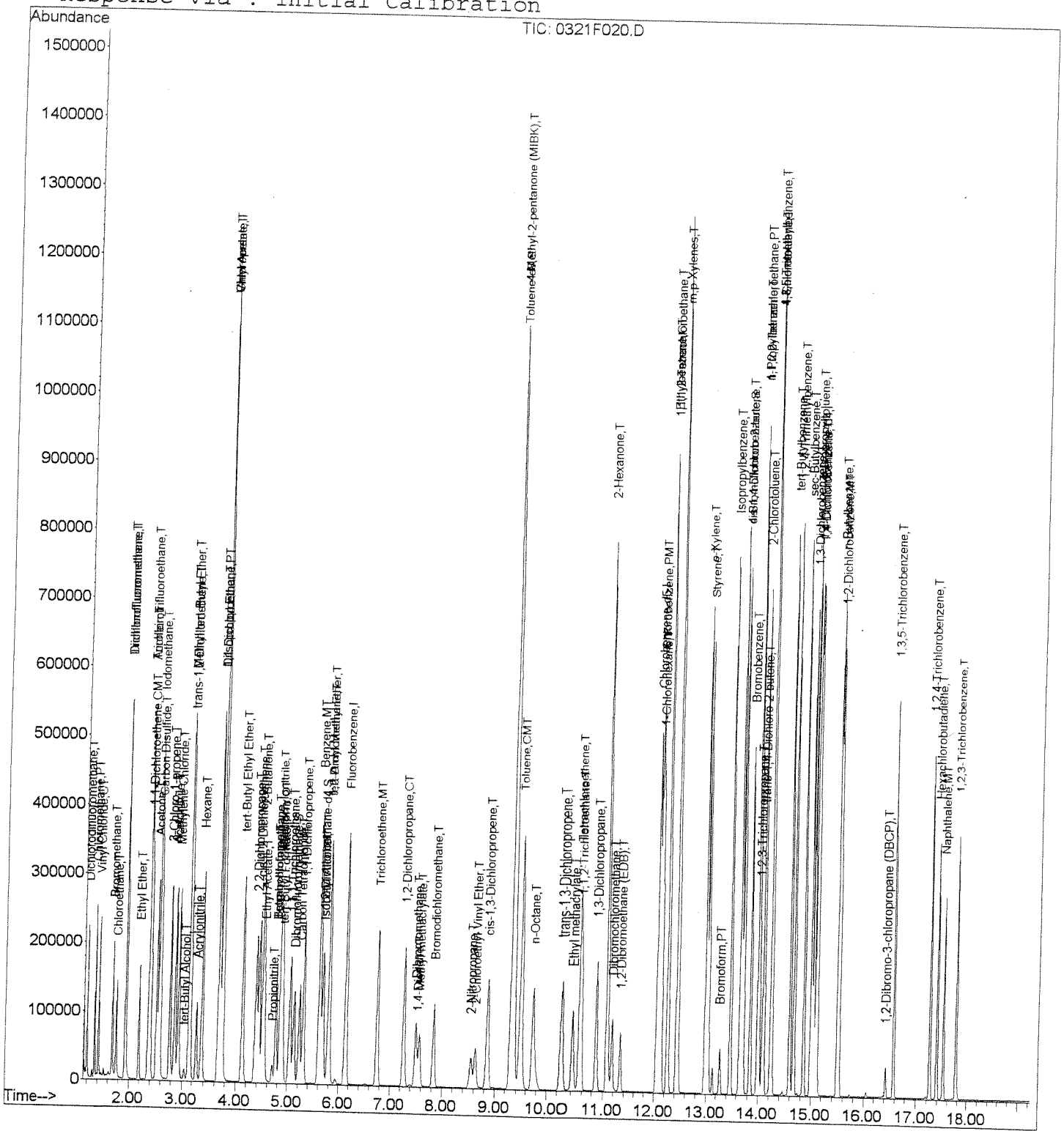
0321F020.D 032108_8260W.M Sat Mar 22 17:52:13 2008

Data File : J:\MS13\DATA\032108\0321F020.D
Acq On : 22 Mar 2008 2:17 am
Sample : 8260 ICAL (Water) #8
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:52 2008

Vial: 20
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration



Data File : J:\MS13\DATA\032108\0321F021.D
Acq On : 22 Mar 2008 2:45 am
Sample : 8260 ICAL (Water) #9
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48:04 2008

Vial: 21
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.14	96	478302	10.00	PPB	0.00
60) Chlorobenzene-d5	12.05	82	210354	10.00	PPB	0.00
81) 1,4-Dichlorobenzene-d4	15.08	152	197649	10.00	PPB	0.00
System Monitoring Compounds						
40) Dibromofluoromethane	5.13	113	213376	19.52	PPB	0.00
Spiked Amount 10.000			Recovery =	195.20%		
44) 1,2-Dichloroethane-d4	5.67	65	250042	20.48	PPB	0.00
Spiked Amount 10.000			Recovery =	204.80%		
58) Toluene-d8	9.33	98	942440	18.11	PPB	0.00
Spiked Amount 10.000			Recovery =	181.10%		
80) 4-Bromofluorobenzene	13.71	95	373423	18.39	PPB	0.00
Spiked Amount 10.000			Recovery =	183.90%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	241477	17.78	PPB	98
3) Chloromethane	1.34	50	287915	15.61	PPB	98
4) Vinyl Chloride	1.42	62	292155	15.85	PPB	99
5) Bromomethane	1.68	96	176996	17.00	PPB	97
6) Chloroethane	1.76	64	184503	16.47	PPB	98
7) Dichlorofluoromethane	1.94	67	465162	19.97	PPB	99
8) Trichlorofluoromethane	1.94	101	396493	20.61	PPB	98
9) Ethyl Ether	2.19	59	152635	18.07	PPB	99
10) Acrolein	2.37	56	420561	355.97	PPB	100
11) Trichlorotrifluoroethane	2.36	151	185729	20.93	PPB	97
12) 1,1-Dichloroethene	2.40	96	197959	17.62	PPB	99
13) Acetone	2.51	43	661038	379.50	PPB	96
14) Iodomethane	2.56	142	1065397m	87.36	PPB	
15) Carbon Disulfide	2.58	76	730737	18.32	PPB	100
16) 3-Chloro-1-propene	2.77	76	132380	18.34	PPB #	81
17) Acetonitrile	2.86	40	299305	648.15	PPB	98
18) Methylene Chloride	2.92	84	243311	17.43	PPB	98
19) tert-Butyl Alcohol	3.04	59	36875	73.42	PPB	99
20) Acrylonitrile	3.27	53	178103	62.67	PPB	97
21) Methyl tert-Butyl Ether	3.13	73	994906	35.86	PPB	98
22) trans-1,2-Dichloroethene	3.15	96	234749	17.46	PPB	93
23) Hexane	3.36	57	339576	19.59	PPB	98
24) Diisopropyl Ether	3.67	45	701911	16.32	PPB	96
25) 1,1-Dichloroethane	3.68	63	441408	18.28	PPB	99
26) Vinyl Acetate	3.74	86	74101	35.72	PPB #	89
27) Chloroprene	3.74	53	1544041	73.61	PPB	98
28) tert-Butyl Ethyl Ether	4.12	59	623478	17.29	PPB	99

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

LB 3/22/08 JK 3/24/08

Data File : J:\MS13\DATA\032108\0321F021.D
Acq On : 22 Mar 2008 2:45 am
Sample : 8260 ICAL (Water) #9
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48:04 2008

Vial: 21
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
29) 2,2-Dichloropropane	4.38	77	348376	18.85 PPB		98
30) cis-1,2-Dichloroethene	4.43	96	263575	18.40 PPB		98
31) 2-Butanone	4.49	72	266543	384.93 PPB		94
32) Propionitrile	4.69	54	64693	65.77 PPB		91
33) Ethyl Acetate	4.53	61	55902	65.60 PPB		96
34) Methacrylonitrile	4.84	67	220317	66.71 PPB		97
35) Bromochloromethane	4.76	128	112076	20.11 PPB		94
36) Tetrahydrofuran	4.76	71	11767	18.53 PPB	#	81
37) Chloroform	4.88	83	426177	19.84 PPB		96
38) tert-Butyl Formate	4.91	59	95926	10.53 PPB		95
39) 1,1,1-Trichloroethane	5.05	97	361157	19.93 PPB		98
41) Carbon Tetrachloride	5.23	117	275350	19.99 PPB		99
42) 1,1-Dichloropropene	5.30	75	341639	18.28 PPB		99
43) Isobutyl Alcohol	5.69	43	129616	564.51 PPB		95
45) Benzene	5.61	78	1029024	18.19 PPB		99
46) 1,2-Dichloroethane	5.80	62	305229	21.07 PPB		93
47) tert-Amyl Methyl Ether	5.80	55	140833	19.93 PPB	#	78
48) Trichloroethene	6.75	95	248437	18.50 PPB		98
49) 1,2-Dichloropropane	7.27	63	239028	17.71 PPB		96
50) Dibromomethane	7.49	93	112690	19.27 PPB		96
51) Methyl methacrylate	7.57	69	96876	16.93 PPB		92
52) 1,4-Dioxane	7.54	88	44021m	692.74 PPB		
53) Bromodichloromethane	7.84	83	269001	18.99 PPB		95
54) 2-Nitropropane	8.54	43	84527	73.94 PPB		98
55) 2-Chloroethyl Vinyl Ether	8.62	63	91697	17.73 PPB		98
56) cis-1,3-Dichloropropene	8.85	75	345565	18.01 PPB		98
57) 4-Methyl-2-pentanone (MIBK	9.32	58	924689	352.92 PPB		96
59) Toluene	9.49	92	694424	18.41 PPB		98
61) n-Octane	9.73	85	158370	20.61 PPB		95
62) trans-1,3-Dichloropropene	10.26	75	281653	17.45 PPB		99
63) Ethyl methacrylate	10.42	69	196669	16.18 PPB		95
64) 1,1,2-Trichloroethane	10.58	83	137836	16.85 PPB		99
65) Tetrachloroethene	10.54	164	214814	18.37 PPB		99
66) 2-Hexanone	11.07	57	314467	358.75 PPB	#	88
67) 1,3-Dichloropropane	10.87	76	302585	17.27 PPB		99
68) Dibromochloromethane	11.18	129	156341	19.23 PPB		99
69) 1,2-Dibromoethane (EDB)	11.33	107	154723	18.73 PPB		99
70) 1-Chlorohexane	12.12	91	338573	17.67 PPB		98
71) Chlorobenzene	12.09	112	752699	18.10 PPB		98
72) Ethylbenzene	12.25	106	414862	17.72 PPB		92
73) 1,1,1,2-Tetrachloroethane	12.26	131	203312	18.80 PPB		97

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

Data File : J:\MS13\DATA\032108\0321F021.D
Acq On : 22 Mar 2008 2:45 am
Sample : 8260 ICAL (Water) #9
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48:04 2008

Vial: 21
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
74)	m,p-Xylenes	12.44	106	1029564	35.40	PPB		97
75)	o-Xylene	12.98	106	493239	17.57	PPB		100
76)	Styrene	13.03	103	404110	18.54	PPB		98
77)	Bromoform	13.27	173	74169	19.87	PPB		97
78)	Isopropylbenzene	13.47	105	1270599	18.77	PPB		100
79)	cis-1,4-Dichloro-2-butene	13.70	89	70188	64.04	PPB	#	88
82)	1,1,2,2-Tetrachloroethane	13.99	83	157600	16.08	PPB		97
83)	trans-1,4-Dichloro-2-buten	14.07	53	43155	16.79	PPB		98
84)	Bromobenzene	13.85	156	303584	17.81	PPB		98
85)	n-Propylbenzene	13.99	91	1496616	17.71	PPB		99
86)	1,2,3-Trichloropropane	14.02	110	52130	18.88	PPB		91
87)	2-Chlorotoluene	14.10	91	928991	17.57	PPB		98
88)	1,3,5-Trimethylbenzene	14.23	105	1066014	18.34	PPB		98
89)	4-Chlorotoluene	14.25	91	1065610	17.81	PPB		99
90)	tert-Butylbenzene	14.59	119	899594	18.56	PPB		100
91)	1,2,4-Trimethylbenzene	14.67	105	1038488	18.28	PPB		97
92)	sec-Butylbenzene	14.85	105	1245831	19.33	PPB		99
93)	p-Isopropyltoluene	15.03	119	1080744	19.34	PPB		97
94)	1,3-Dichlorobenzene	14.99	146	591552	17.79	PPB		99
95)	1,4-Dichlorobenzene	15.11	146	589744	17.58	PPB		99
96)	n-Butylbenzene	15.49	91	869986	19.65	PPB		98
97)	1,2-Dichlorobenzene	15.52	146	530089	17.76	PPB		99
98)	1,2-Dibromo-3-chloropropan	16.42	155	17047	16.45	PPB		98
99)	1,3,5-Trichlorobenzene	16.57	180	370280	19.65	PPB		97
100)	1,2,4-Trichlorobenzene	17.25	180	305947	18.76	PPB		95
101)	Hexachlorobutadiene	17.39	225	164136	21.39	PPB		98
102)	Naphthalene	17.52	128	458381	16.49	PPB		99
103)	1,2,3-Trichlorobenzene	17.77	180	236840	18.36	PPB		97

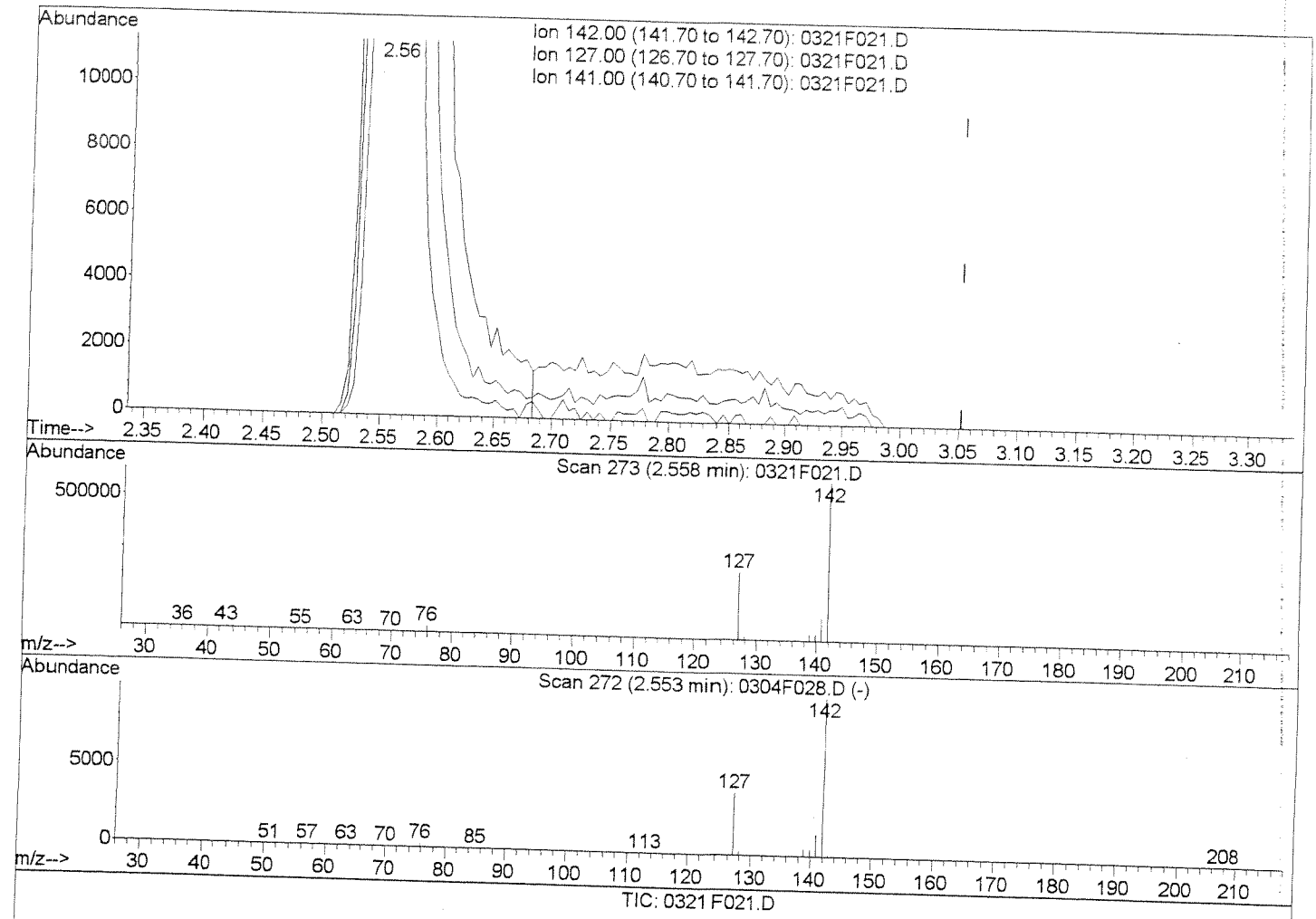
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS13\DATA\032108\0321F021.D
Acq On : 22 Mar 2008 2:45 am
Sample : 8260 ICAL (Water) #9
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48 2008

Vial: 21
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(14) Iodomethane (T)

2.56min 85.38PPB

response 1041201

Ion	Exp%	Act%
142.00	100	100
127.00	39.50	42.80
141.00	14.00	14.65
0.00	0.00	0.00

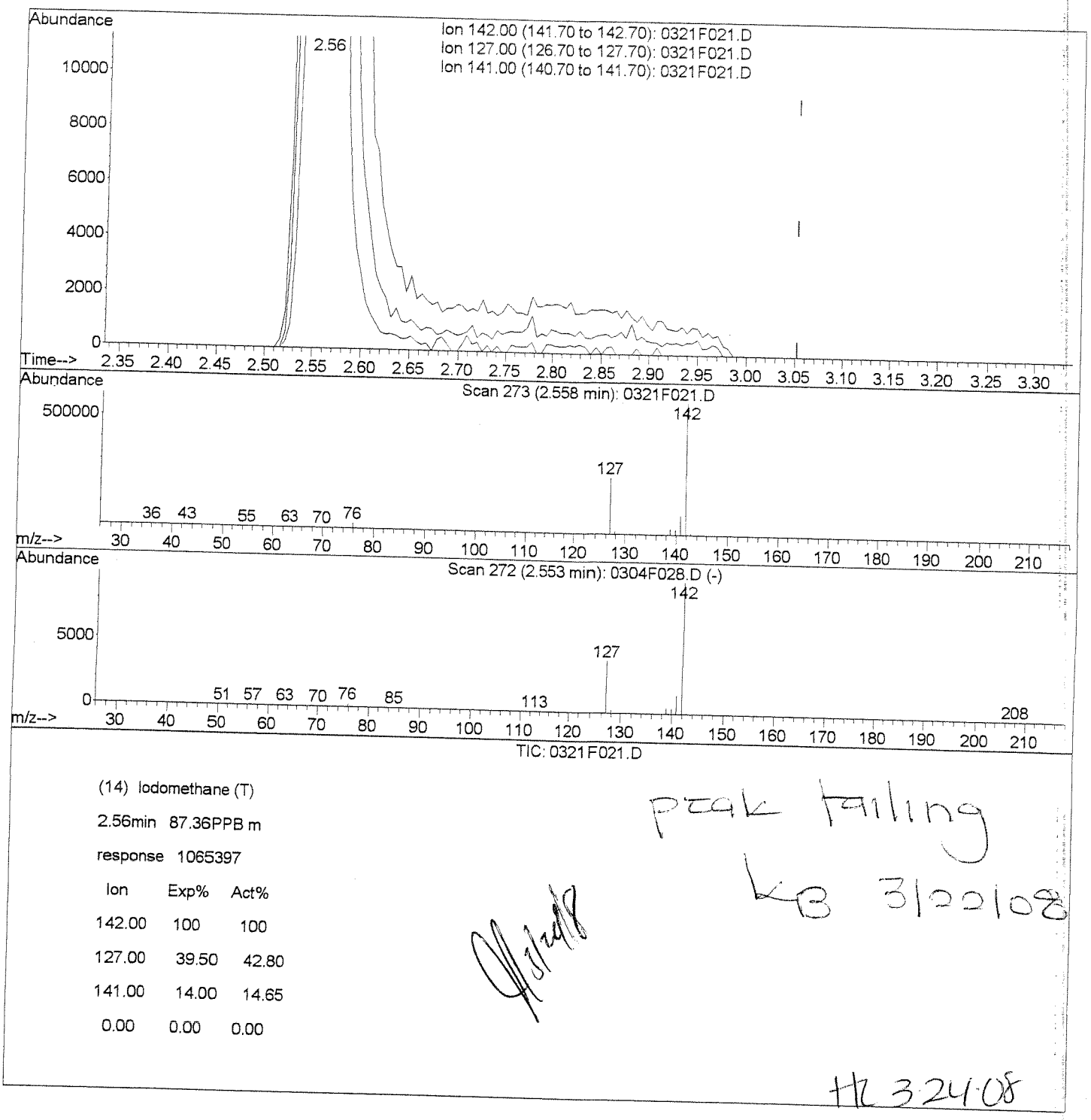
0321F021.D 032108_8260W.M Sat Mar 22 17:53:08 2008

Data File : J:\MS13\DATA\032108\0321F021.D
Acq On : 22 Mar 2008 2:45 am
Sample : 8260 ICAL (Water) #9
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:53 2008

Vial: 21
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(14) Iodomethane (T)

2.56min 87.36PPB m

response 1065397

Ion	Exp%	Act%
142.00	100	100
127.00	39.50	42.80
141.00	14.00	14.65
0.00	0.00	0.00

peak tailing
KB 3/22/08

HL 3.24.08

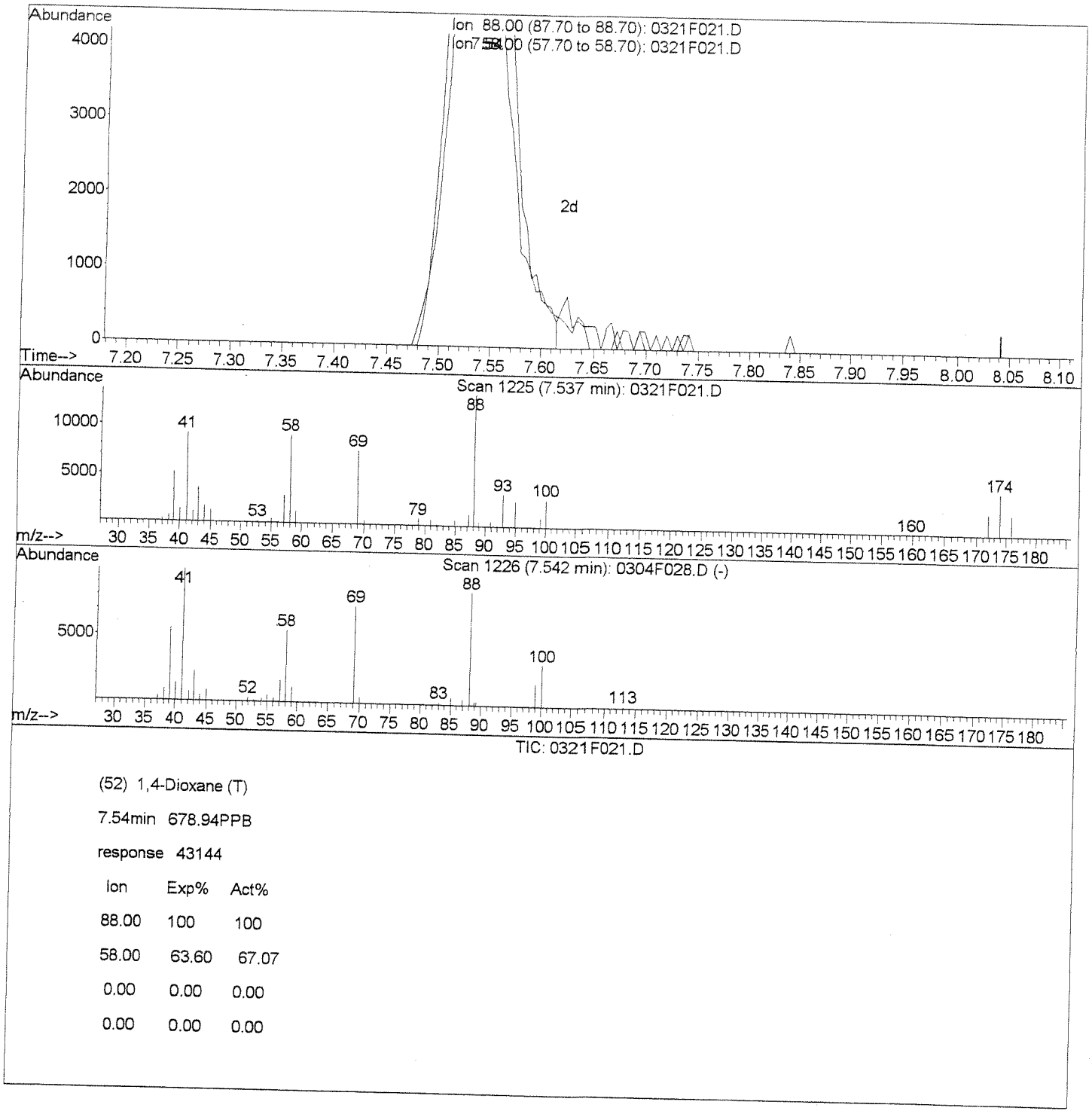
0321F021.D 032108_8260W.M Sat Mar 22 17:53:11 2008

Data File : J:\MS13\DATA\032108\0321F021.D
Acq On : 22 Mar 2008 2:45 am
Sample : 8260 ICAL (Water) #9
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:53 2008

Vial: 21
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Single Level Calibration



(52) 1,4-Dioxane (T)

7.54min 678.94PPB

response 43144

Ion	Exp%	Act%
88.00	100	100
58.00	63.60	67.07
0.00	0.00	0.00
0.00	0.00	0.00

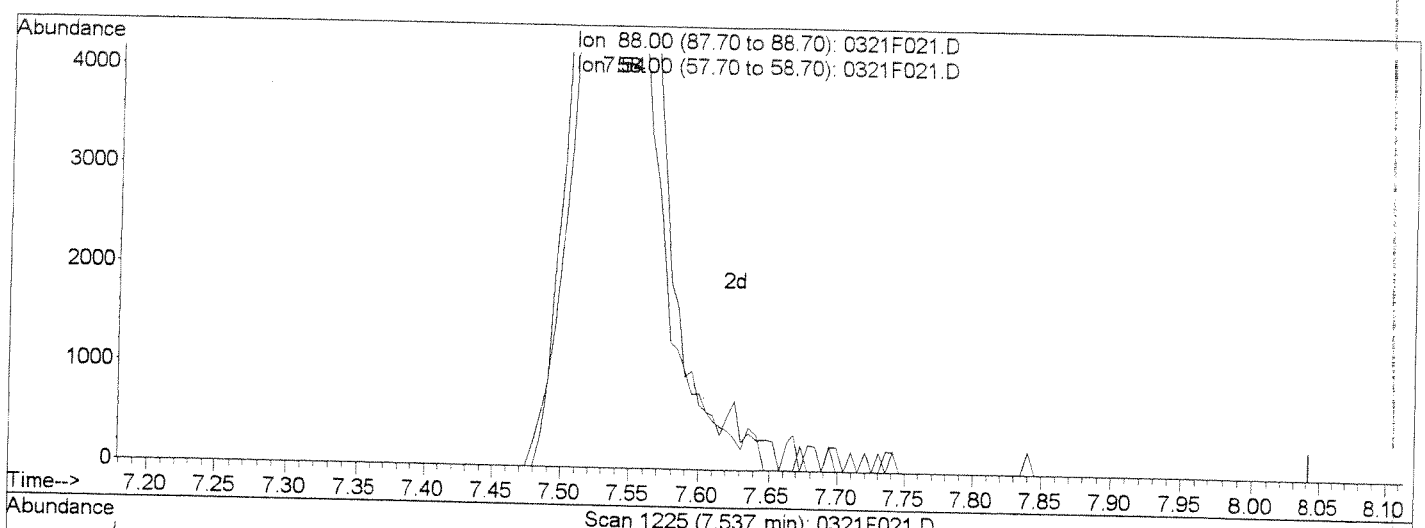
0321F021.D 032108_8260W.M Sat Mar 22 17:53:31 2008

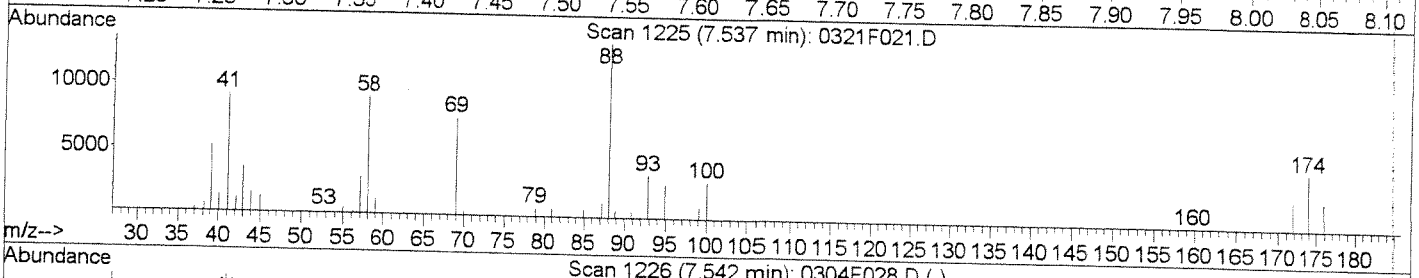
Data File : J:\MS13\DATA\032108\0321F021.D
Acq On : 22 Mar 2008 2:45 am
Sample : 8260 ICAL (Water) #9
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:53 2008

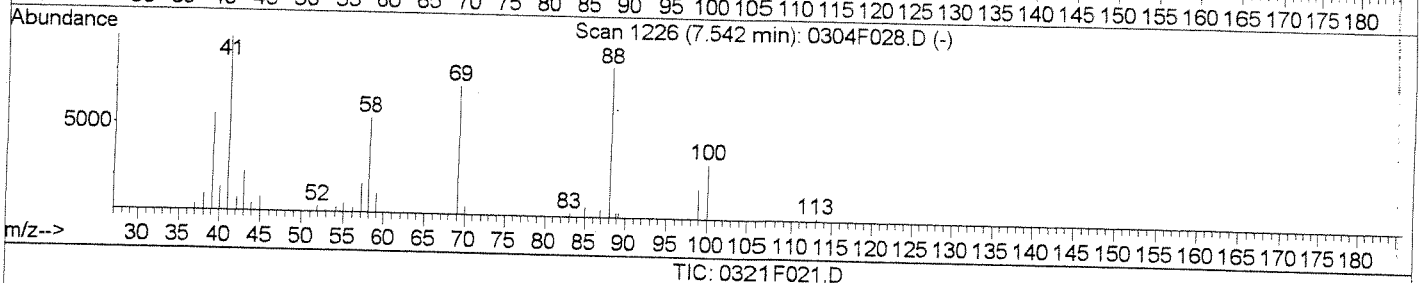
Vial: 21
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Single Level Calibration







TIC: 0321F021.D

(52) 1,4-Dioxane (T)

7.54min 692.74PPB m

response 44021

Ion	Exp%	Act%
88.00	100	100
58.00	63.60	67.07
0.00	0.00	0.00
0.00	0.00	0.00

peak failing LB 3/22/08

3/24/08

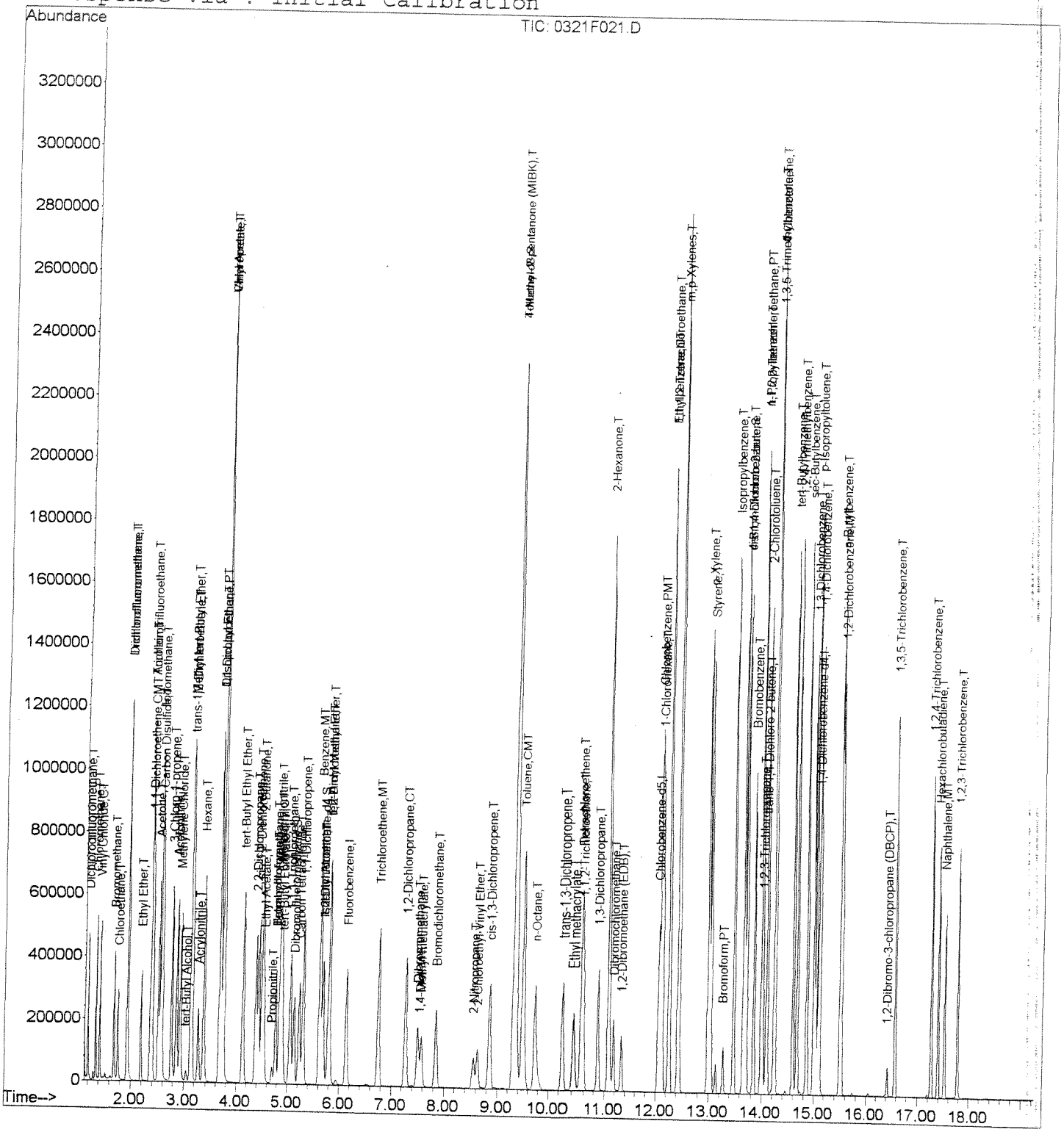
0321F021.D 032108_8260W.M Sat Mar 22 17:53:36 2008

Data File : J:\MS13\DATA\032108\0321F021.D
Acq On : 22 Mar 2008 2:45 am
Sample : 8260 ICAL (Water) #9
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:53 2008

Vial: 21
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration



0321F021.D 032108_8260W.M Sat Mar 22 17:59:27 2008 Page 4

Data File : J:\MS13\DATA\032108\0321F022.D
Acq On : 22 Mar 2008 3:12 am
Sample : 8260 ICAL (Water) #10
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48:08 2008

Vial: 22
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.14	96	495468	10.00	PPB		0.00
60) Chlorobenzene-d5	12.05	82	211629	10.00	PPB		0.00
81) 1,4-Dichlorobenzene-d4	15.08	152	201592	10.00	PPB		0.00
System Monitoring Compounds							
40) Dibromofluoromethane	5.13	113	461230	40.74	PPB		0.00
Spiked Amount 10.000			Recovery =	407.40%			
44) 1,2-Dichloroethane-d4	5.67	65	529695	41.89	PPB		0.00
Spiked Amount 10.000			Recovery =	418.90%			
58) Toluene-d8	9.33	98	2067150	38.34	PPB		0.00
Spiked Amount 10.000			Recovery =	383.40%			
80) 4-Bromofluorobenzene	13.71	95	781494	38.26	PPB		0.00
Spiked Amount 10.000			Recovery =	382.60%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	463294	32.94	PPB		99
3) Chloromethane	1.34	50	555245	29.05	PPB		98
4) Vinyl Chloride	1.42	62	568098	29.76	PPB		100
5) Bromomethane	1.67	96	349053	32.36	PPB		98
6) Chloroethane	1.76	64	358238	30.88	PPB		98
7) Dichlorofluoromethane	1.94	67	899932	37.29	PPB		100
8) Trichlorofluoromethane	1.93	101	771292	38.71	PPB		99
9) Ethyl Ether	2.19	59	310166	35.44	PPB		98
10) Acrolein	2.37	56	847701	692.65	PPB		99
11) Trichlorotrifluoroethane	2.36	151	364126	39.60	PPB		99
12) 1,1-Dichloroethene	2.40	96	385498	33.12	PPB		99
13) Acetone	2.51	43	1365437	756.74	PPB		96
14) Iodomethane	2.56	142	2121073m	167.90	PPB		
15) Carbon Disulfide	2.58	76	1461136	35.36	PPB		100
16) 3-Chloro-1-propene	2.77	76	268840	35.95	PPB	#	85
17) Acetonitrile	2.86	40	606086	1267.01	PPB		99
18) Methylene Chloride	2.92	84	474840	32.84	PPB		97
19) tert-Butyl Alcohol	3.03	59	76063	146.20	PPB		96
20) Acrylonitrile	3.27	53	357728	121.52	PPB		96
21) Methyl tert-Butyl Ether	3.13	73	2012516	70.03	PPB		97
22) trans-1,2-Dichloroethene	3.15	96	469987	33.74	PPB		96
23) Hexane	3.36	57	668360	37.22	PPB		100
24) Diisopropyl Ether	3.67	45	1408393	31.62	PPB		97
25) 1,1-Dichloroethane	3.68	63	875098	34.98	PPB		99
26) Vinyl Acetate	3.74	86	145525	67.71	PPB		95
27) Chloroprene	3.74	53	3065174	141.07	PPB		97
28) tert-Butyl Ethyl Ether	4.12	59	1260357	33.74	PPB		98

(#) = qualifier out of range (m) = manual integration
0321F022.D 032108_8260W.M Sat Mar 22 17:59:31 2008

LB 3/22/08 TL 32408

Data File : J:\MS13\DATA\032108\0321F022.D Vial: 22
Acq On : 22 Mar 2008 3:12 am Operator:
Sample : 8260 ICAL (Water) #10 Inst : MS13
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48:08 2008 Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29) 2,2-Dichloropropane	4.38	77	697574	36.44	PPB		99
30) cis-1,2-Dichloroethene	4.43	96	522403	35.21	PPB		99
31) 2-Butanone	4.49	72	552108	769.71	PPB		96
32) Propionitrile	4.69	54	129553	127.14	PPB		94
33) Ethyl Acetate	4.53	61	114267	129.45	PPB		96
34) Methacrylonitrile	4.84	67	442835	129.44	PPB		99
35) Bromochloromethane	4.76	128	224931	38.95	PPB		93
36) Tetrahydrofuran	4.76	71	22149	33.67	PPB		97
37) Chloroform	4.88	83	850480	38.22	PPB		98
38) tert-Butyl Formate	4.91	59	206114	21.84	PPB		99
39) 1,1,1-Trichloroethane	5.05	97	722475	38.48	PPB		98
41) Carbon Tetrachloride	5.23	117	564483	39.55	PPB		99
42) 1,1-Dichloropropene	5.30	75	670783	34.65	PPB		99
43) Isobutyl Alcohol	5.69	43	277238	1165.61	PPB		97
45) Benzene	5.61	78	2025020	34.55	PPB		98
46) 1,2-Dichloroethane	5.80	62	606499	40.42	PPB		95
47) tert-Amyl Methyl Ether	5.80	55	279008	38.12	PPB	#	85
48) Trichloroethene	6.75	95	494110	35.52	PPB		98
49) 1,2-Dichloropropane	7.26	63	475733	34.02	PPB		96
50) Dibromomethane	7.50	93	226418	37.38	PPB		95
51) Methyl methacrylate	7.57	69	200766	33.87	PPB		94
52) 1,4-Dioxane	7.53	88	89078m	1353.21	PPB		
53) Bromodichloromethane	7.84	83	563708	38.41	PPB		97
54) 2-Nitropropane	8.55	43	199840	168.74	PPB		93
55) 2-Chloroethyl Vinyl Ether	8.62	63	187937	35.07	PPB		96
56) cis-1,3-Dichloropropene	8.85	75	718083	36.12	PPB		98
57) 4-Methyl-2-pentanone (MIBK	9.32	58	1902754	701.05	PPB		97
59) Toluene	9.49	92	1354475	34.66	PPB		99
61) n-Octane	9.73	85	331110	42.83	PPB		96
62) trans-1,3-Dichloropropene	10.26	75	593219	36.52	PPB		99
63) Ethyl methacrylate	10.42	69	410649	33.59	PPB		98
64) 1,1,2-Trichloroethane	10.58	83	276280	33.57	PPB		96
65) Tetrachloroethene	10.54	164	416537	35.41	PPB		97
66) 2-Hexanone	11.07	57	650705	737.86	PPB		93
67) 1,3-Dichloropropane	10.87	76	604097	34.27	PPB		99
68) Dibromochloromethane	11.18	129	338927	41.44	PPB		99
69) 1,2-Dibromoethane (EDB)	11.33	107	314866	37.88	PPB		99
70) 1-Chlorohexane	12.12	91	673119	34.92	PPB		99
71) Chlorobenzene	12.09	112	1491960	35.66	PPB		99
72) Ethylbenzene	12.25	106	817162	34.68	PPB		93
73) 1,1,1,2-Tetrachloroethane	12.26	131	428073	39.35	PPB		98

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

Data File : J:\MS13\DATA\032108\0321F022.D
Acq On : 22 Mar 2008 3:12 am
Sample : 8260 ICAL (Water) #10
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48:08 2008

Vial: 22
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74)	m,p-Xylenes	12.44	106	2020385	69.04	PPB	98
75)	o-Xylene	12.98	106	969182	34.31	PPB	96
76)	Styrene	13.03	103	790901	36.07	PPB	98
77)	Bromoform	13.27	173	165604	44.09	PPB	97
78)	Isopropylbenzene	13.47	105	2502480	36.74	PPB	100
79)	cis-1,4-Dichloro-2-butene	13.70	89	155946	141.42	PPB	91
82)	1,1,2,2-Tetrachloroethane	13.99	83	316316	31.64	PPB	99
83)	trans-1,4-Dichloro-2-buten	14.07	53	88887	33.90	PPB	97
84)	Bromobenzene	13.85	156	601478	34.60	PPB	98
85)	n-Propylbenzene	13.99	91	2960854	34.36	PPB	99
86)	1,2,3-Trichloropropane	14.02	110	104051	36.94	PPB	99
87)	2-Chlorotoluene	14.10	91	1827692	33.89	PPB	97
88)	1,3,5-Trimethylbenzene	14.23	105	2126332	35.86	PPB	98
89)	4-Chlorotoluene	14.25	91	2110987	34.59	PPB	98
90)	tert-Butylbenzene	14.59	119	1786077	36.13	PPB	99
91)	1,2,4-Trimethylbenzene	14.67	105	2105789	36.35	PPB	97
92)	sec-Butylbenzene	14.85	105	2503081	38.07	PPB	99
93)	p-Isopropyltoluene	15.03	119	2192398	38.46	PPB	97
94)	1,3-Dichlorobenzene	14.99	146	1179458	34.79	PPB	99
95)	1,4-Dichlorobenzene	15.11	146	1171492	34.23	PPB	100
96)	n-Butylbenzene	15.50	91	1784456	39.52	PPB	99
97)	1,2-Dichlorobenzene	15.52	146	1047867	34.41	PPB	100
98)	1,2-Dibromo-3-chloropropan	16.42	155	37017	35.02	PPB	91
99)	1,3,5-Trichlorobenzene	16.57	180	743043	38.66	PPB	97
100)	1,2,4-Trichlorobenzene	17.25	180	617442	37.11	PPB	97
101)	Hexachlorobutadiene	17.39	225	330805	42.27	PPB	99
102)	Naphthalene	17.52	128	927928	32.73	PPB	99
103)	1,2,3-Trichlorobenzene	17.77	180	475139	36.11	PPB	97

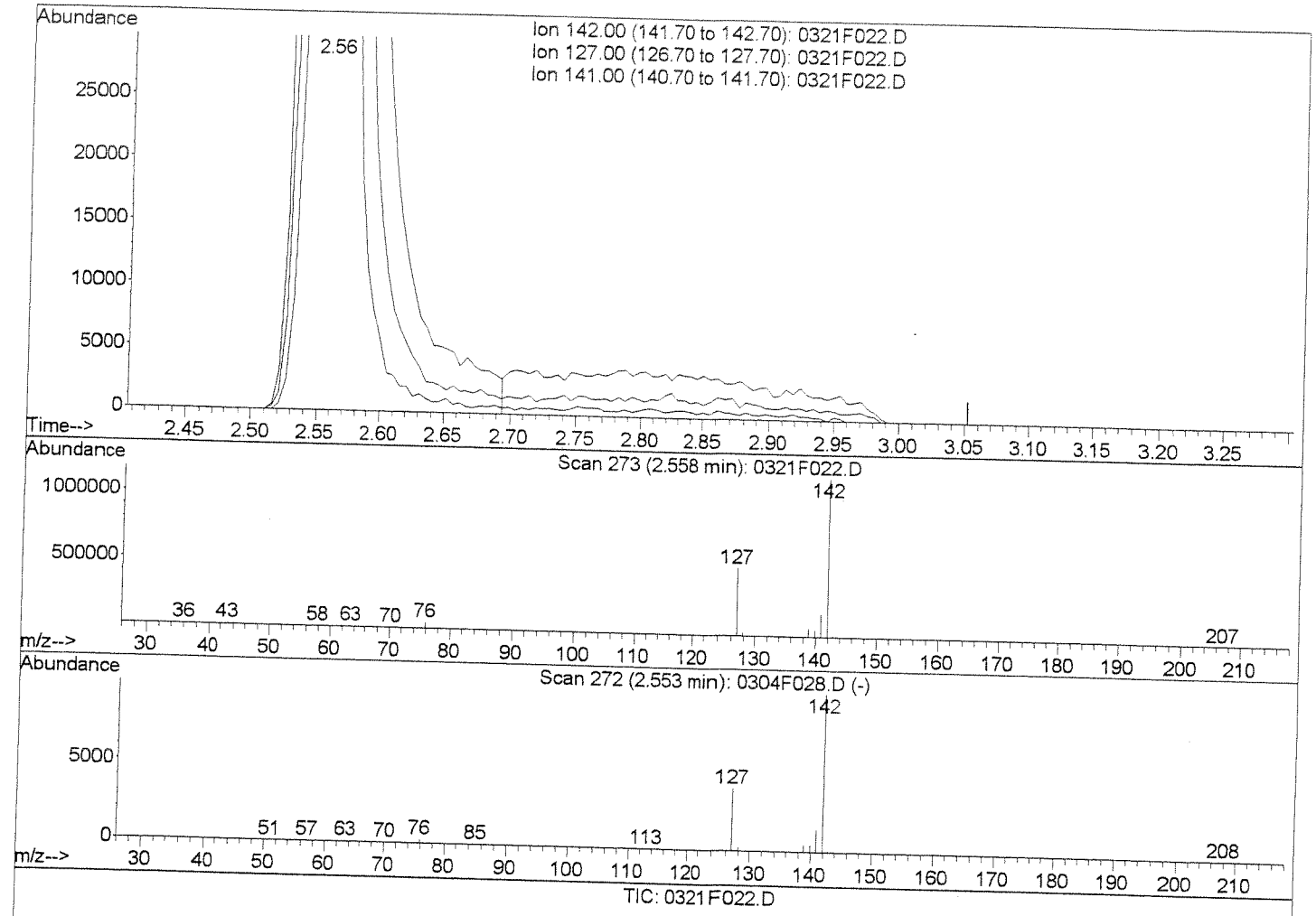
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS13\DATA\032108\0321F022.D
Acq On : 22 Mar 2008 3:12 am
Sample : 8260 ICAL (Water) #10
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48 2008

Vial: 22
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



TIC: 0321F022.D

(14) Iodomethane (T)

2.56min 164.10PPB

response 2073149

Ion	Exp%	Act%
142.00	100	100
127.00	39.50	42.83
141.00	14.00	14.33
0.00	0.00	0.00

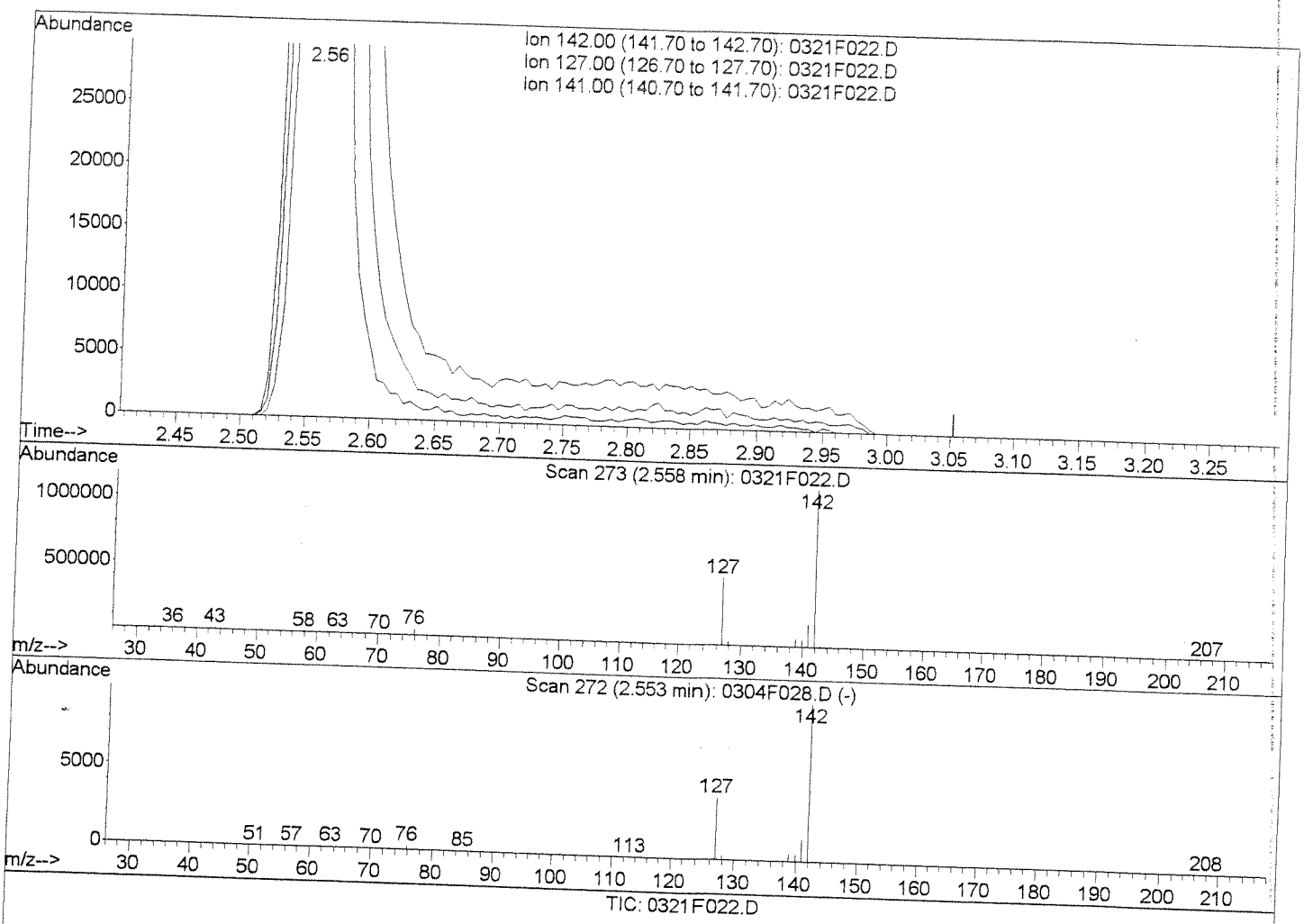
0321F022.D 032108_8260W.M Sat Mar 22 17:54:15 2008

Data File : J:\MS13\DATA\032108\0321F022.D
Acq On : 22 Mar 2008 3:12 am
Sample : 8260 ICAL (Water) #10
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:54 2008

Vial: 22
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(14) Iodomethane (T)

2.56min 167.90PPB m

response 2121073

Ion	Exp%	Act%
142.00	100	100
127.00	39.50	42.83
141.00	14.00	14.33
0.00	0.00	0.00

peak tailing
LB 3/22/08

HL 3.24.08

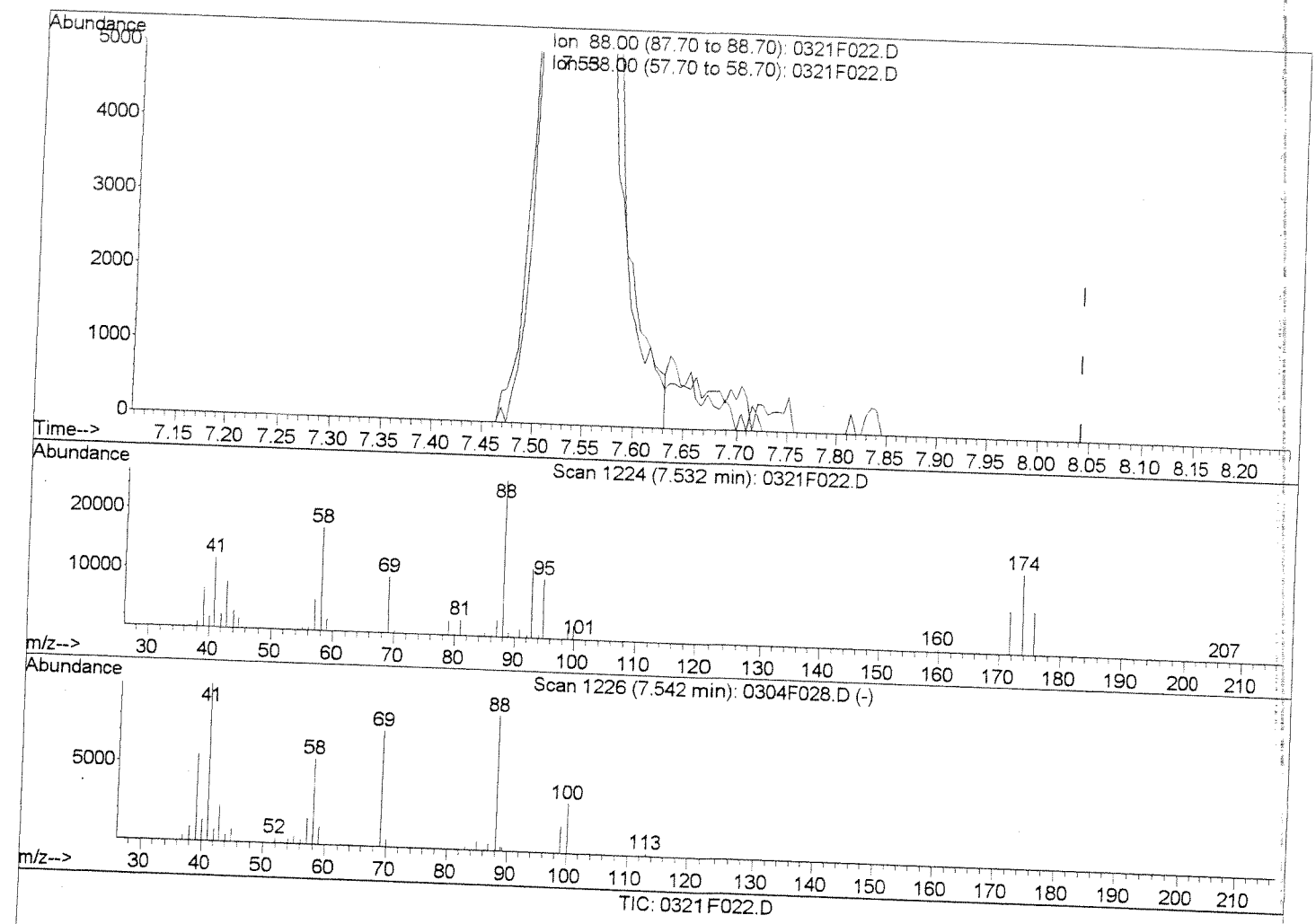
0321F022.D 032108_8260W.M Sat Mar 22 17:54:18 2008

Data File : J:\MS13\DATA\032108\0321F022.D
Acq On : 22 Mar 2008 3:12 am
Sample : 8260 ICAL (Water) #10
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:54 2008

Vial: 22
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Single Level Calibration



(52) 1,4-Dioxane (T)

7.53min 1312.37PPB

response 86389

Ion	Exp%	Act%
88.00	100	100
58.00	63.60	65.80
0.00	0.00	0.00
0.00	0.00	0.00

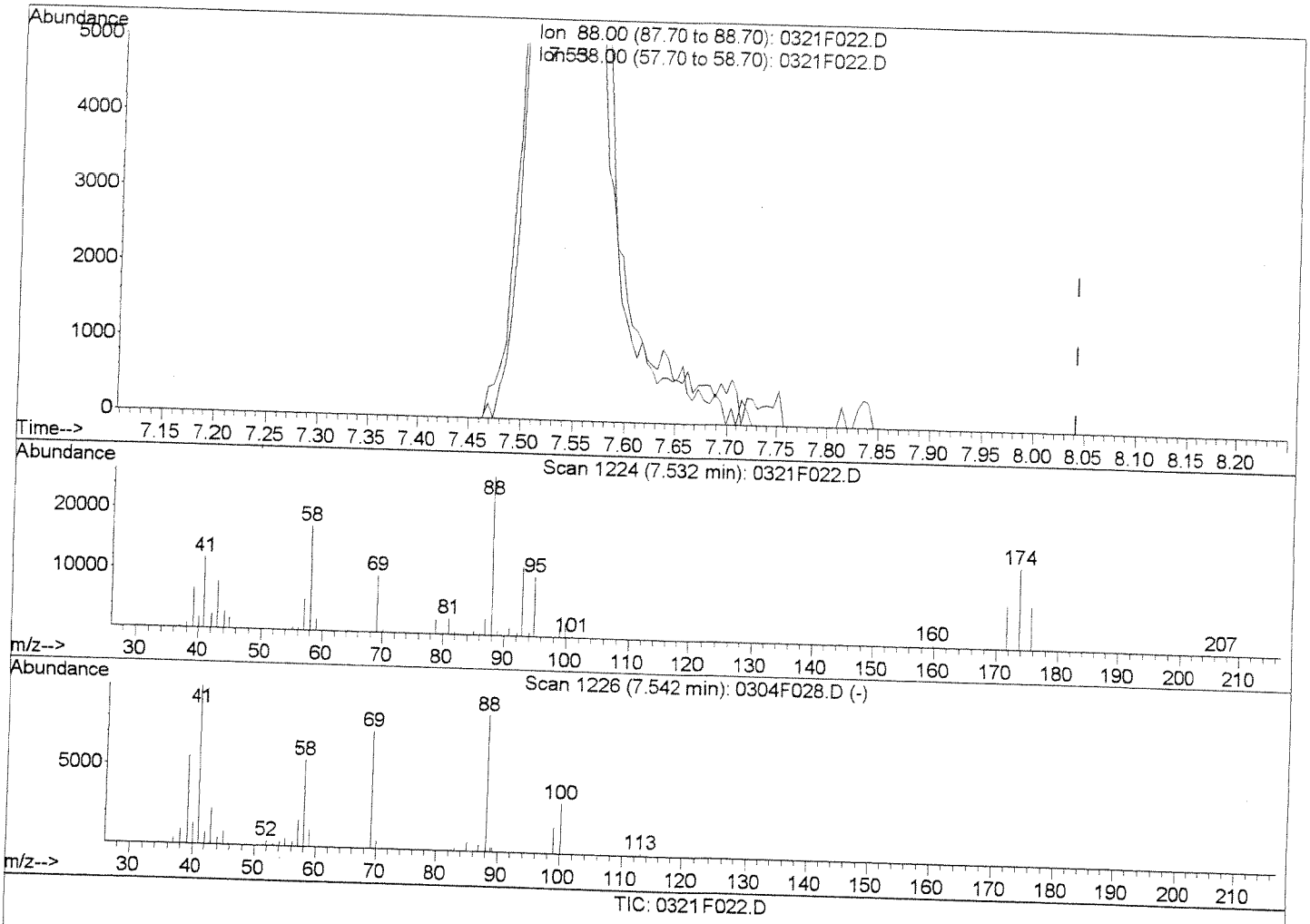
0321F022.D 032108_8260W.M Sat Mar 22 17:54:38 2008

Data File : J:\MS13\DATA\032108\0321F022.D
Acq On : 22 Mar 2008 3:12 am
Sample : 8260 ICAL (Water) #10
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:54 2008

Vial: 22
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Single Level Calibration



TIC: 0321F022.D

(52) 1,4-Dioxane (T)

7.53min 1353.21PPB m

response 89078

Ion	Exp%	Act%
88.00	100	100
58.00	63.60	65.80
0.00	0.00	0.00
0.00	0.00	0.00

peak failing
LB 3/22/08

HC 3.24.08

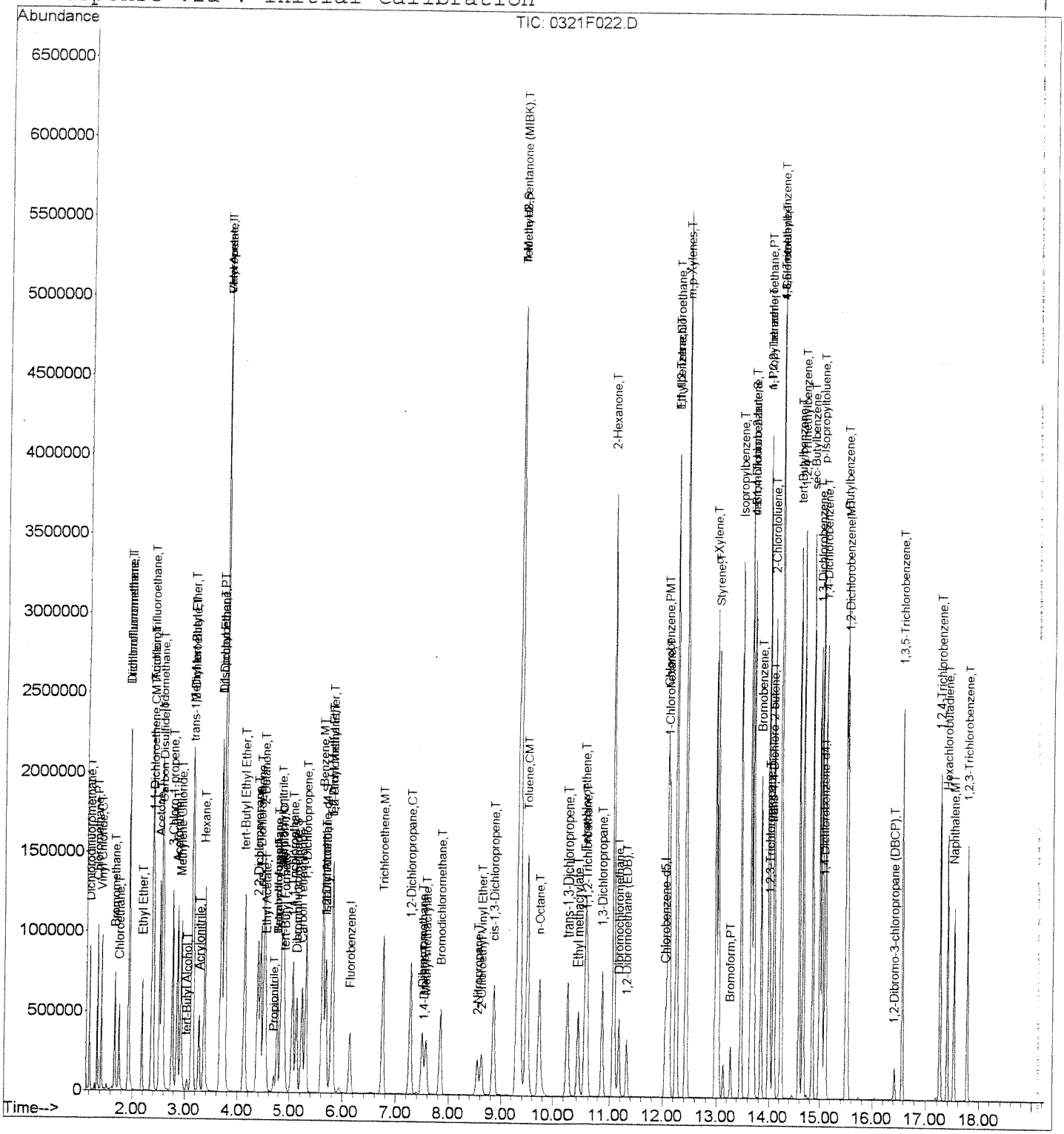
0321F022.D 032108_8260W.M Sat Mar 22 17:54:42 2008

Data File : J:\MS13\DATA\032108\0321F022.D
Acq On : 22 Mar 2008 3:12 am
Sample : 8260 ICAL (Water) #10
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:54 2008

Vial: 22
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration



Data File : J:\MS13\DATA\032108\0321F023.D
Acq On : 22 Mar 2008 3:40 am
Sample : 8260 ICAL (Water) #11
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48:10 2008

Vial: 23
Operator:
Inst : MS13
Multiplr: 1.00
Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.14	96	516909	10.00	PPB	0.00
60) Chlorobenzene-d5	12.05	82	220819	10.00	PPB	0.00
81) 1,4-Dichlorobenzene-d4	15.08	152	208202	10.00	PPB	0.00
System Monitoring Compounds						
40) Dibromofluoromethane	5.13	113	585964	49.61	PPB	0.00
Spiked Amount 10.000			Recovery =	496.10%		
44) 1,2-Dichloroethane-d4	5.67	65	679425	51.50	PPB	0.00
Spiked Amount 10.000			Recovery =	515.00%		
58) Toluene-d8	9.33	98	2567103	45.64	PPB	0.00
Spiked Amount 10.000			Recovery =	456.40%		
80) 4-Bromofluorobenzene	13.71	95	971548	45.59	PPB	0.00
Spiked Amount 10.000			Recovery =	455.90%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	1125983	76.73	PPB	99
3) Chloromethane	1.34	50	1234786	61.93	PPB	98
4) Vinyl Chloride	1.42	62	1355639	68.06	PPB	99
5) Bromomethane	1.67	96	811324	72.09	PPB	99
6) Chloroethane	1.76	64	837129	69.16	PPB	99
7) Dichlorofluoromethane	1.94	67	2085227	82.82	PPB	100
8) Trichlorofluoromethane	1.93	101	1888194	90.83	PPB	99
9) Ethyl Ether	2.19	59	666092	72.95	PPB	98
10) Acrolein	2.37	56	1781492	1395.26	PPB	100
11) Trichlorotrifluoroethane	2.36	151	905172	94.37	PPB	99
12) 1,1-Dichloroethene	2.40	96	920721	75.83	PPB	99
13) Acetone	2.51	43	2974108	1579.92	PPB	96
14) Iodomethane	2.56	142	4807124m	364.73	PPB	
15) Carbon Disulfide	2.58	76	3586728	83.21	PPB	99
16) 3-Chloro-1-propene	2.77	76	625009	80.11	PPB	92
17) Acetonitrile	2.86	40	1258990	2522.72	PPB	98
18) Methylene Chloride	2.92	84	1032276	68.44	PPB	98
19) tert-Butyl Alcohol	3.04	59	167482	308.56	PPB	97
20) Acrylonitrile	3.27	53	762578	248.31	PPB	98
21) Methyl tert-Butyl Ether	3.13	73	4369944	145.76	PPB	98
22) trans-1,2-Dichloroethene	3.15	96	1094792	75.34	PPB	95
23) Hexane	3.36	57	1642300	87.66	PPB	100
24) Diisopropyl Ether	3.67	45	3084578	66.38	PPB	96
25) 1,1-Dichloroethane	3.68	63	1985398	76.08	PPB	98
26) Vinyl Acetate	3.74	86	324576	144.76	PPB	98
27) Chloroprene	3.74	53	7548156	332.99	PPB	97
28) tert-Butyl Ethyl Ether	4.12	59	2734286	70.16	PPB	98

(#) = qualifier out of range (m) = manual integration
0321F023.D 032108_8260W.M Sat Mar 22 17:59:37 2008 Page 1

LB 3/22/08 HL 3.24.08

Data File : J:\MS13\DATA\032108\0321F023.D
Acq On : 22 Mar 2008 3:40 am
Sample : 8260 ICAL (Water) #11
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48:10 2008

Vial: 23
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
29)	2,2-Dichloropropane	4.38	77	1749133	87.58	PPB	99
30)	cis-1,2-Dichloroethene	4.43	96	1176960	76.05	PPB	98
31)	2-Butanone	4.49	72	1246242	1665.35	PPB	94
32)	Propionitrile	4.69	54	277198	260.75	PPB	94
33)	Ethyl Acetate	4.53	61	250175	271.66	PPB	97
34)	Methacrylonitrile	4.85	67	954976	267.55	PPB	97
35)	Bromochloromethane	4.76	128	476144	79.04	PPB	94
36)	Tetrahydrofuran	4.76	71	47031	68.53	PPB	86
37)	Chloroform	4.88	83	1907614	82.18	PPB	97
38)	tert-Butyl Formate	4.91	59	477265	48.47	PPB	94
39)	1,1,1-Trichloroethane	5.05	97	1810051	92.40	PPB	98
41)	Carbon Tetrachloride	5.23	117	1478132	99.28	PPB	99
42)	1,1-Dichloropropene	5.30	75	1647541	81.57	PPB	97
43)	Isobutyl Alcohol	5.69	43	622232	2507.58	PPB	97
45)	Benzene	5.61	78	4630041	75.73	PPB	99
46)	1,2-Dichloroethane	5.80	62	1321859	84.44	PPB	95
47)	tert-Amyl Methyl Ether	5.80	55	577237	75.59	PPB	92
48)	Trichloroethene	6.75	95	1162573	80.11	PPB	99
49)	1,2-Dichloropropane	7.27	63	1067862	73.19	PPB	96
50)	Dibromomethane	7.49	93	486165	76.94	PPB	96
51)	Methyl methacrylate	7.57	69	433475	70.10	PPB	94
52)	1,4-Dioxane	7.53	88	188475m	2744.43	PPB	
53)	Bromodichloromethane	7.84	83	1294934	84.58	PPB	96
54)	2-Nitropropane	8.54	43	547052	442.76	PPB	93
55)	2-Chloroethyl Vinyl Ether	8.62	63	413353	73.93	PPB	95
56)	cis-1,3-Dichloropropene	8.85	75	1615663	77.90	PPB	98
57)	4-Methyl-2-pentanone (MIBK	9.32	58	4156225	1467.81	PPB	92
59)	Toluene	9.49	92	3066447	75.21	PPB	100
61)	n-Octane	9.73	85	749070	92.86	PPB	96
62)	trans-1,3-Dichloropropene	10.26	75	1341268	79.15	PPB	99
63)	Ethyl methacrylate	10.42	69	894230	70.10	PPB	99
64)	1,1,2-Trichloroethane	10.58	83	593595	69.12	PPB	98
65)	Tetrachloroethene	10.54	164	985032	80.26	PPB	97
66)	2-Hexanone	11.07	57	1419545	1542.70	PPB	94
67)	1,3-Dichloropropane	10.87	76	1301300	70.75	PPB	98
68)	Dibromochloromethane	11.18	129	769483	90.18	PPB	99
69)	1,2-Dibromoethane (EDB)	11.33	107	676273	77.98	PPB	98
70)	1-Chlorohexane	12.12	91	1632033	81.14	PPB	99
71)	Chlorobenzene	12.09	112	3281947	75.18	PPB	100
72)	Ethylbenzene	12.25	106	1855008	75.46	PPB	94
73)	1,1,1,2-Tetrachloroethane	12.26	131	969975	85.45	PPB	97

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

Data File : J:\MS13\DATA\032108\0321F023.D
Acq On : 22 Mar 2008 3:40 am
Sample : 8260 ICAL (Water) #11
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48:10 2008

Vial: 23
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
74)	m,p-Xylenes	12.44	106	4612910	151.08	PPB		97
75)	o-Xylene	12.98	106	2178645	73.91	PPB		96
76)	Styrene	13.03	103	1741098	76.11	PPB		98
77)	Bromoform	13.27	173	388588	99.16	PPB		97
78)	Isopropylbenzene	13.47	105	5810376	81.75	PPB		99
79)	cis-1,4-Dichloro-2-butene	13.70	89	361801	314.44	PPB	#	59
82)	1,1,2,2-Tetrachloroethane	13.99	83	673448	65.23	PPB		98
83)	trans-1,4-Dichloro-2-buten	14.07	53	197470	72.93	PPB		94
84)	Bromobenzene	13.85	156	1291660	71.94	PPB		99
85)	n-Propylbenzene	13.99	91	6895116	77.47	PPB		99
86)	1,2,3-Trichloropropane	14.02	110	217245	74.67	PPB		99
87)	2-Chlorotoluene	14.10	91	4089423	73.43	PPB		97
88)	1,3,5-Trimethylbenzene	14.23	105	4904904	80.10	PPB		99
89)	4-Chlorotoluene	14.25	91	4695638	74.49	PPB		98
90)	tert-Butylbenzene	14.59	119	4195993	82.18	PPB		99
91)	1,2,4-Trimethylbenzene	14.67	105	4785718	79.99	PPB		97
92)	sec-Butylbenzene	14.85	105	5918408	87.16	PPB		100
93)	p-Isopropyltoluene	15.03	119	5189005	88.14	PPB		97
94)	1,3-Dichlorobenzene	14.99	146	2589151	73.94	PPB		98
95)	1,4-Dichlorobenzene	15.11	146	2552439	72.22	PPB		99
96)	n-Butylbenzene	15.50	91	4268716	91.54	PPB		98
97)	1,2-Dichlorobenzene	15.52	146	2250145	71.55	PPB		100
98)	1,2-Dibromo-3-chloropropan	16.42	155	86238	79.00	PPB		99
99)	1,3,5-Trichlorobenzene	16.57	180	1664867	83.87	PPB		98
100)	1,2,4-Trichlorobenzene	17.25	180	1343212	78.17	PPB		96
101)	Hexachlorobutadiene	17.39	225	774495	95.83	PPB		97
102)	Naphthalene	17.52	128	1948571	66.55	PPB		99
103)	1,2,3-Trichlorobenzene	17.77	180	1014055	74.63	PPB		98

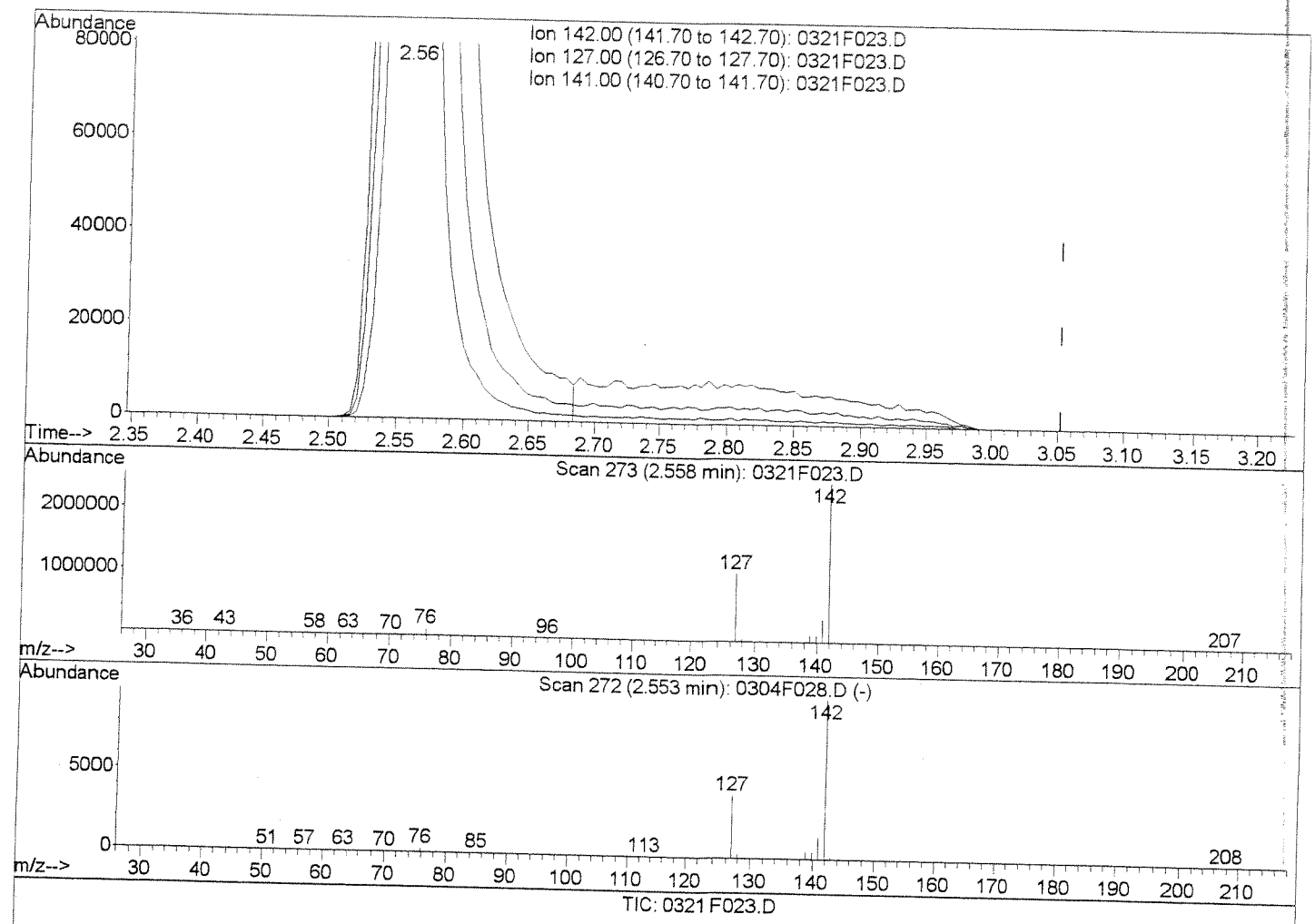
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS13\DATA\032108\0321F023.D
Acq On : 22 Mar 2008 3:40 am
Sample : 8260 ICAL (Water) #11
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:48 2008

Vial: 23
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(14) Iodomethane (T)

2.56min 356.03PPB

response 4692412

Ion	Exp%	Act%
142.00	100	100
127.00	39.50	42.85
141.00	14.00	14.15
0.00	0.00	0.00

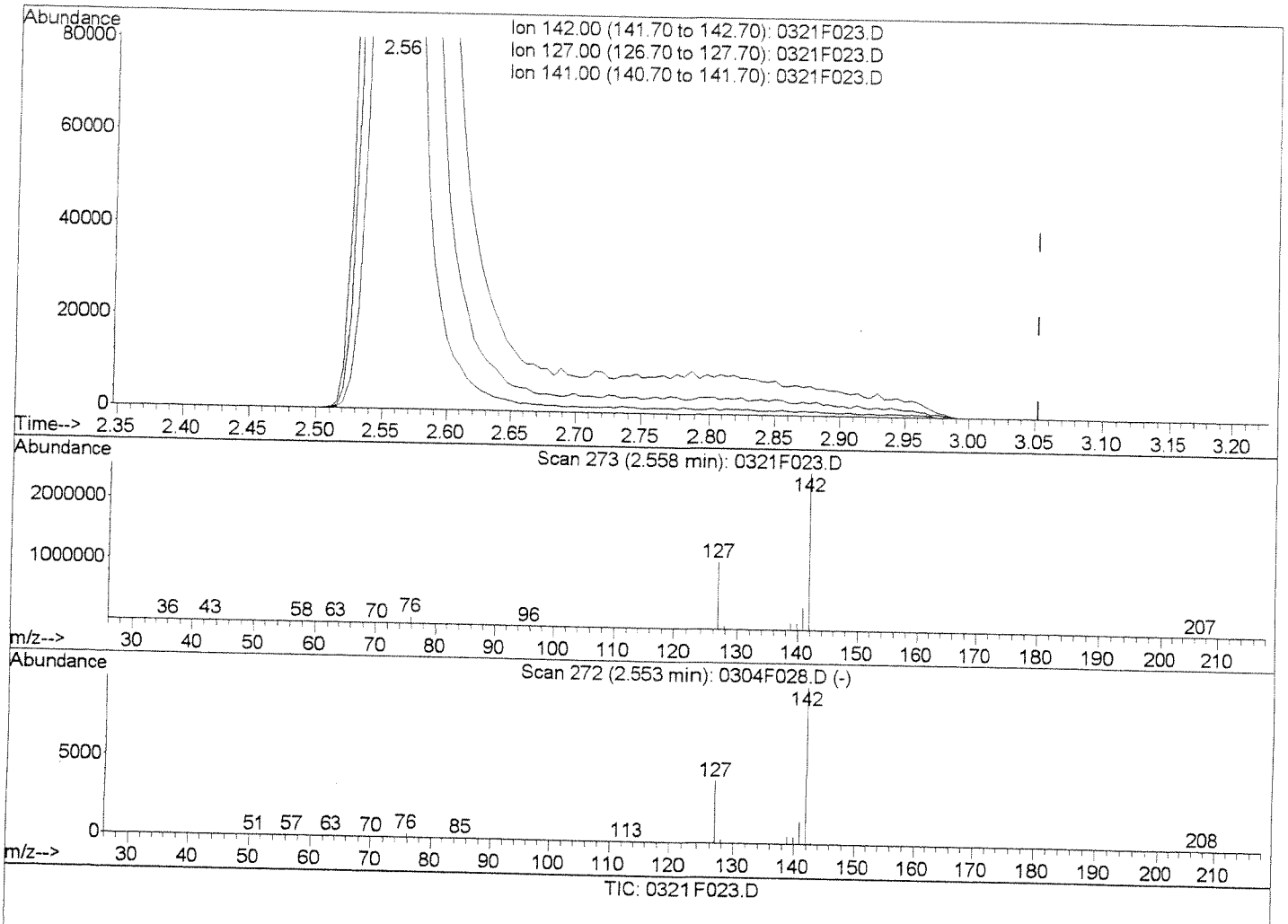
0321F023.D 032108_8260W.M Sat Mar 22 17:55:19 2008

Data File : J:\MS13\DATA\032108\0321F023.D
Acq On : 22 Mar 2008 3:40 am
Sample : 8260 ICAL (Water) #11
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:55 2008

Vial: 23
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Multiple Level Calibration



(14) Iodomethane (T)

2.56min 364.73PPB m

response 4807124

Ion	Exp%	Act%
142.00	100	100
127.00	39.50	42.85
141.00	14.00	14.15
0.00	0.00	0.00

peak tailing
KB 3/22/08

HR 3-24-08

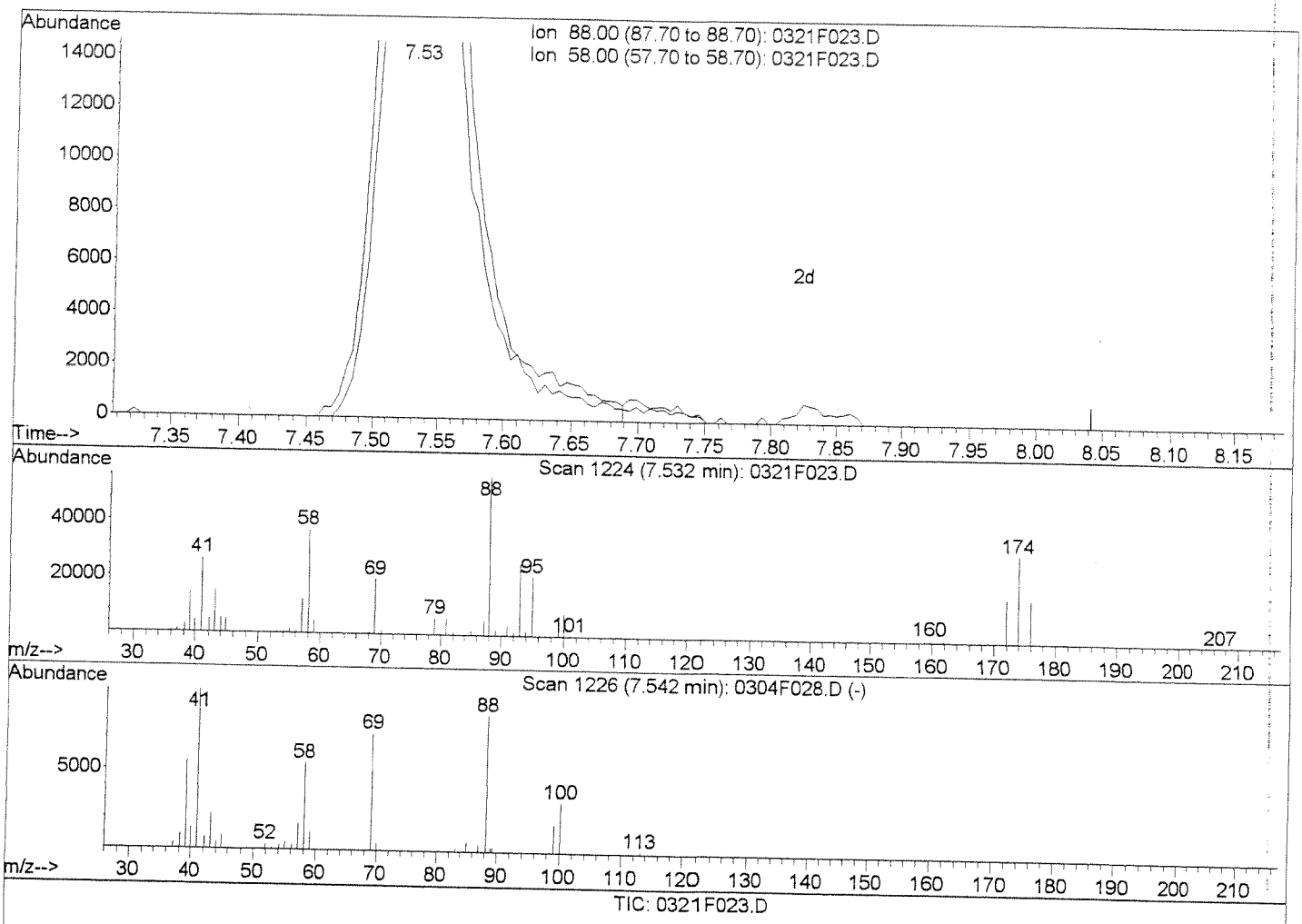
0321F023.D 032108_8260W.M Sat Mar 22 17:55:23 2008

Data File : J:\MS13\DATA\032108\0321F023.D
Acq On : 22 Mar 2008 3:40 am
Sample : 8260 ICAL (Water) #11
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:55 2008

Vial: 23
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Single Level Calibration



TIC: 0321F023.D

(52) 1,4-Dioxane (T)

7.53min 2716.37PPB

response 186548

Ion	Exp%	Act%
88.00	100	100
58.00	63.60	65.22
0.00	0.00	0.00
0.00	0.00	0.00

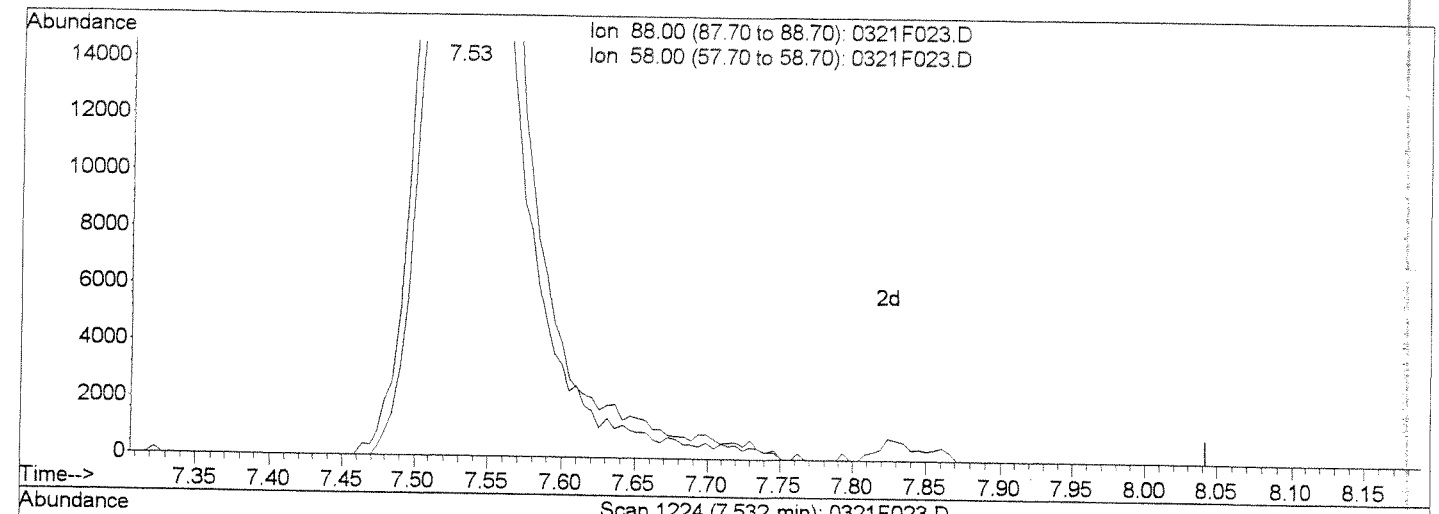
0321F023.D 032108_8260W.M Sat Mar 22 17:55:46 2008

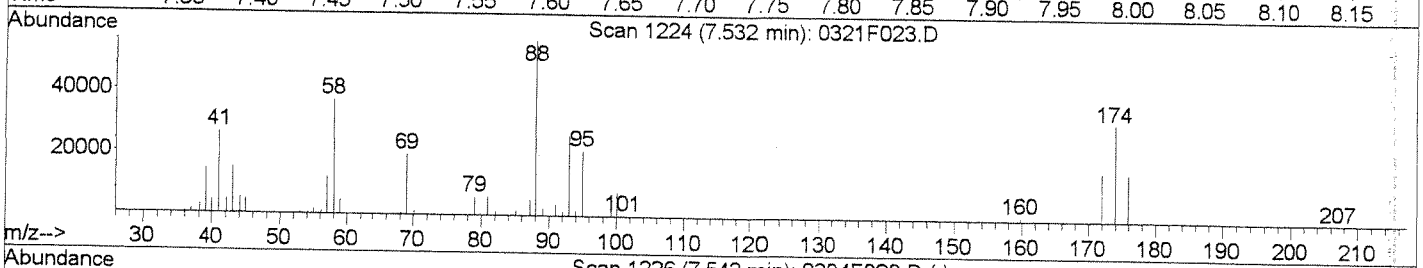
Data File : J:\MS13\DATA\032108\0321F023.D
Acq On : 22 Mar 2008 3:40 am
Sample : 8260 ICAL (Water) #11
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:55 2008

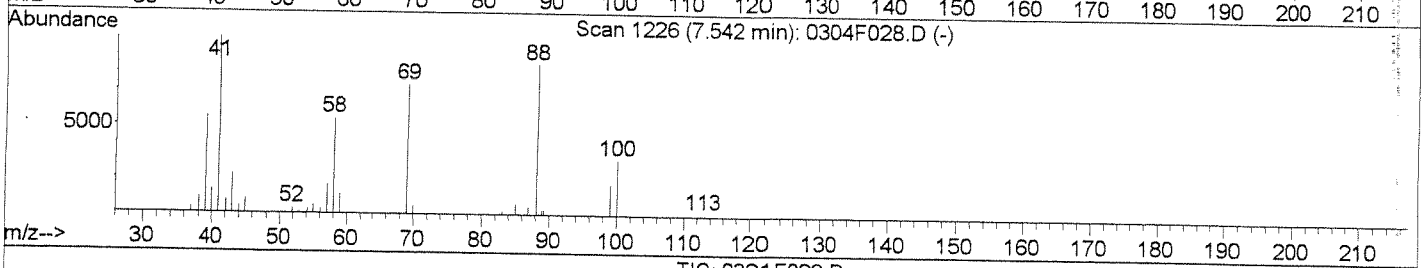
Vial: 23
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Single Level Calibration







TIC: 0321F023.D

(52) 1,4-Dioxane (T)

7.53min 2744.43PPB m

response 188475

Ion	Exp%	Act%
88.00	100	100
58.00	63.60	65.22
0.00	0.00	0.00
0.00	0.00	0.00

peak tailing

LB 3/22/08

HR 3.24.08

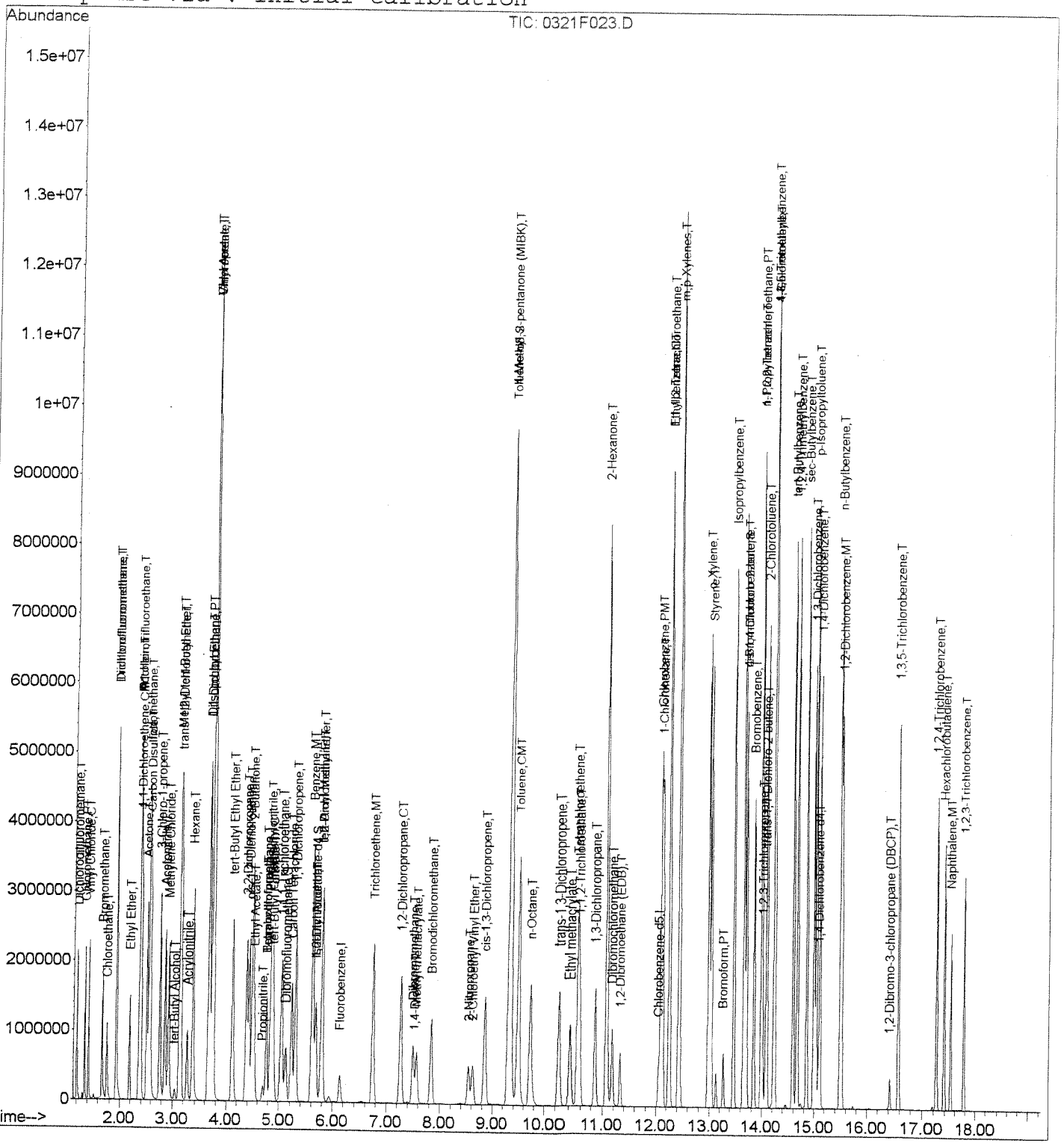
0321F023.D 032108_8260W.M Sat Mar 22 17:55:50 2008

Data File : J:\MS13\DATA\032108\0321F023.D
Acq On : 22 Mar 2008 3:40 am
Sample : 8260 ICAL (Water) #11
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 17:55 2008

Vial: 23
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Wed Mar 05 21:41:05 2008
Response via : Initial Calibration



Data File : J:\MS13\DATA\032108\0321F027.D
Acq On : 22 Mar 2008 5:29 am
Sample : Vinyl Acetate ICV W
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 20:12:09 2008

Vial: 27
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.14	96	460646	10.00	PPB	0.00
60) Chlorobenzene-d5	12.05	82	197185	10.00	PPB	0.00
81) 1,4-Dichlorobenzene-d4	15.08	152	178052	10.00	PPB	0.00
System Monitoring Compounds						
40) Dibromofluoromethane	5.13	113	101923	10.02	PPB	0.00
Spiked Amount 10.000			Recovery =	100.20%		
44) 1,2-Dichloroethane-d4	5.67	65	125524	9.99	PPB	0.00
Spiked Amount 10.000			Recovery =	99.90%		
58) Toluene-d8	9.33	98	451547	10.21	PPB	0.00
Spiked Amount 10.000			Recovery =	102.10%		
80) 4-Bromofluorobenzene	13.71	95	170235	9.69	PPB	0.00
Spiked Amount 10.000			Recovery =	96.90%		
Target Compounds						Qvalue
26) Vinyl Acetate	3.74	86	36184	23.15	PPB	# 92

KB
3/20/08

H23408

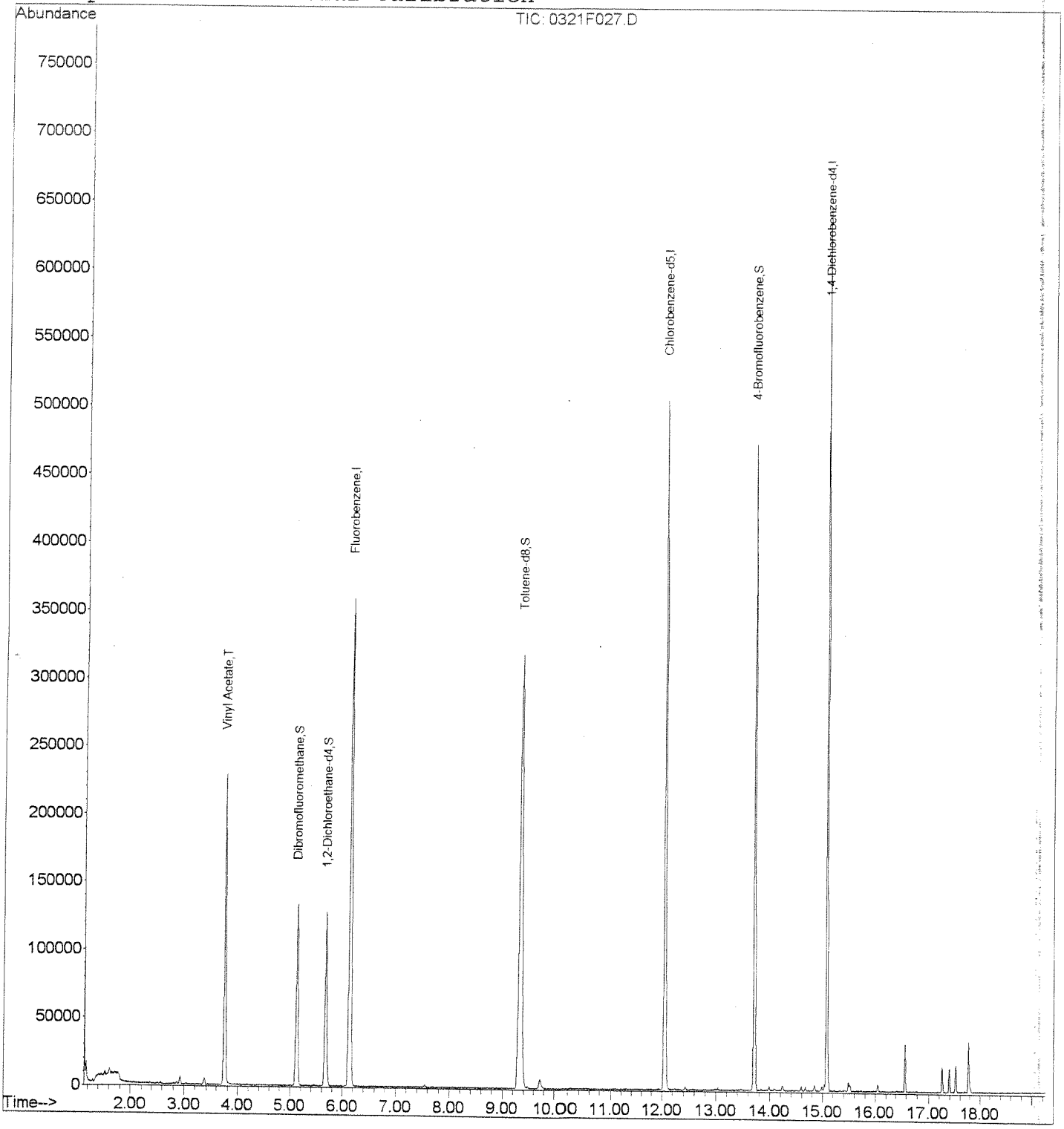
(#) = qualifier out of range (m) = manual integration
0321F027.D 032108_8260W.M Sat Mar 22 20:13:00 2008 Page 1

Data File : J:\MS13\DATA\032108\0321F027.D
Acq On : 22 Mar 2008 5:29 am
Sample : Vinyl Acetate ICV W
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 20:12 2008

Vial: 27
Operator:
Inst : MS13
Multiplr: 1.00

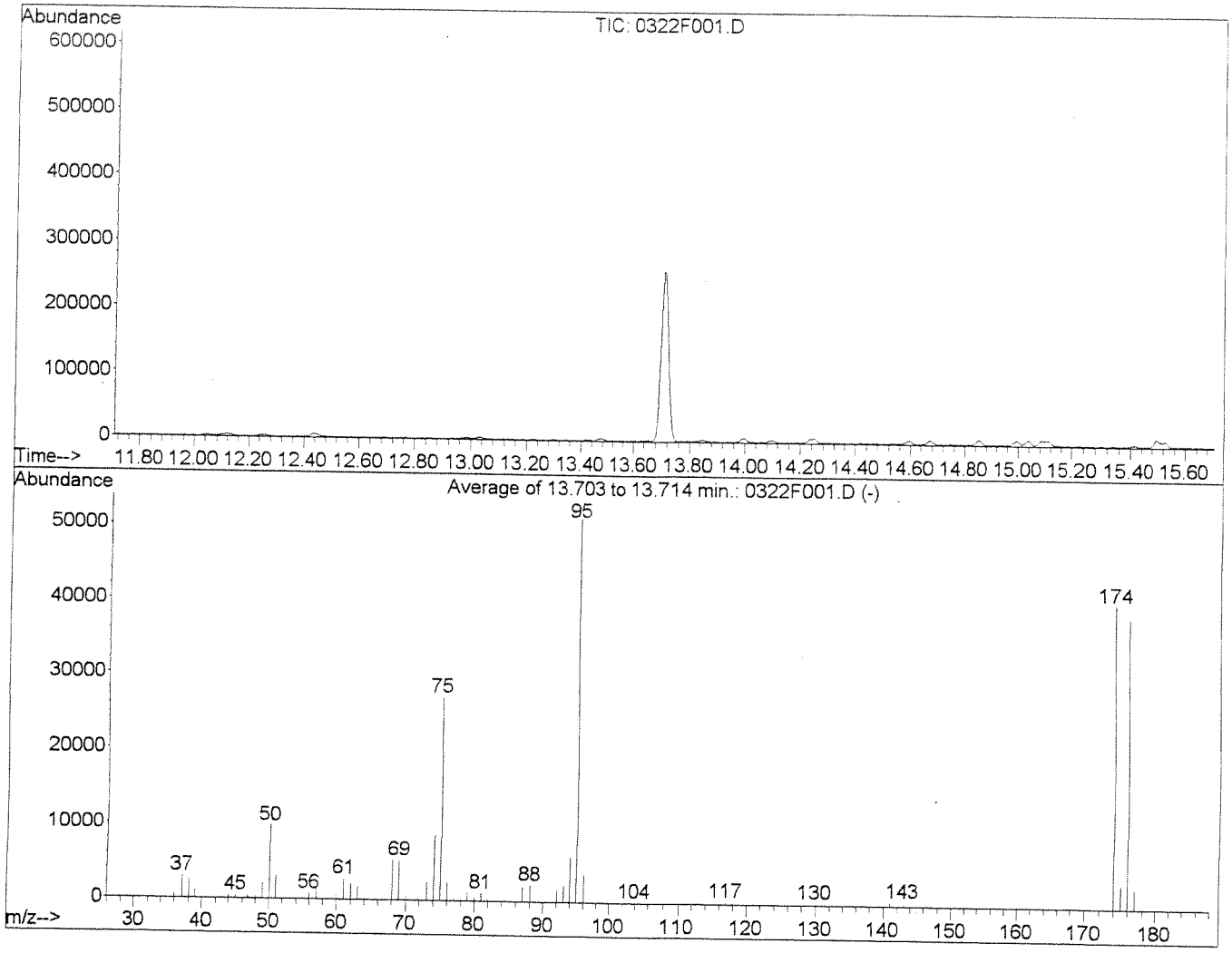
Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration



Data File : J:\MS13\DATA\032208\0322F001.D
Acq On : 22 Mar 2008 6:01 pm
Sample : 50ng BFB
Misc :
MS Integration Params: rteint.p
Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B

Vial: 1
Operator:
Inst : MS13
Multiplr: 1.00



AutoFind: Scans 2404, 2405, 2406; Background Corrected with Scan 2396

LB 3/22/08

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.0	9737	PASS
75	95	30	60	52.9	27061	PASS
95	95	100	100	100.0	51168	PASS
96	95	5	9	7.0	3606	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	78.9	40362	PASS
175	174	5	9	7.6	3077	PASS
176	174	95	101	95.5	38530	PASS
177	176	5	9	6.8	2608	PASS

0322F001.D 032108_8260W.M Sat Mar 22 18:37:45 2008

HR 3.21.08

Data File : J:\MS13\DATA\032208\0322F003.D
Acq On : 22 Mar 2008 7:26 pm
Sample : 8260 ICV3 (Water) (R)
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 19:57:55 2008

Vial: 3
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.14	96	490662	10.00	PPB		0.00
60) Chlorobenzene-d5	12.05	82	204605	10.00	PPB		0.00
81) 1,4-Dichlorobenzene-d4	15.08	152	192572	10.00	PPB		0.00
System Monitoring Compounds							
40) Dibromofluoromethane	5.13	113	107226	9.89	PPB		0.00
Spiked Amount 10.000			Recovery =	98.90%			
44) 1,2-Dichloroethane-d4	5.68	65	122654	9.16	PPB		0.00
Spiked Amount 10.000			Recovery =	91.60%			
58) Toluene-d8	9.33	98	513009	10.89	PPB		0.00
Spiked Amount 10.000			Recovery =	108.90%			
80) 4-Bromofluorobenzene	13.71	95	188620	10.34	PPB		0.00
Spiked Amount 10.000			Recovery =	103.40%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	133591	11.07	PPB		96
3) Chloromethane	1.34	50	149971	10.13	PPB		98
4) Vinyl Chloride	1.42	62	152916	10.46	PPB		100
5) Bromomethane	1.67	96	91889	10.83	PPB		99
6) Chloroethane	1.76	64	97451	10.45	PPB		99
7) Dichlorofluoromethane	1.94	67	228478	9.69	PPB		97
8) Trichlorofluoromethane	1.93	101	201137	10.61	PPB		98
9) Ethyl Ether	2.19	59	72556	9.35	PPB		98
10) Acrolein	2.37	56	112972	109.05	PPB		99
11) Trichlorotrifluoroethane	2.36	151	92777	10.15	PPB		100
12) 1,1-Dichloroethene	2.40	96	112318	11.62	PPB		98
13) Acetone	2.52	43	70096	41.21	PPB		100
14) Iodomethane	2.56	142	436574m	37.10	PPB		
15) Carbon Disulfide	2.58	76	712545	20.35	PPB		99
16) 3-Chloro-1-propene	2.77	76	192794	31.27	PPB		96
17) Acetonitrile	2.86	40	119144	307.38	PPB		99
18) Methylene Chloride	2.93	84	131338	9.58	PPB		96
19) tert-Butyl Alcohol	3.04	59	41989	114.29	PPB		94
20) Acrylonitrile	3.27	53	90613	41.08	PPB		94
21) Methyl tert-Butyl Ether	3.13	73	238039	9.58	PPB		98
22) trans-1,2-Dichloroethene	3.15	96	123468	10.51	PPB		95
23) Hexane	3.37	57	537404	31.93	PPB		99
24) Diisopropyl Ether	3.68	45	725119	20.95	PPB		98
25) 1,1-Dichloroethane	3.69	63	220434	10.11	PPB		98
26) Vinyl Acetate	3.75	86	47712	28.65	PPB	#	89
27) Chloroprene	3.74	53	606314	33.77	PPB		98
28) tert-Butyl Ethyl Ether	4.13	59	623176	20.22	PPB		97

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

3/22/08

Data File : J:\MS13\DATA\032208\0322F003.D
Acq On : 22 Mar 2008 7:26 pm
Sample : 8260 ICV3 (Water) (R)
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 19:57:55 2008

Vial: 3
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29) 2,2-Dichloropropane	4.38	77	185486	11.38	PPB		98
30) cis-1,2-Dichloroethene	4.44	96	130809	10.00	PPB		92
31) 2-Butanone	4.50	72	29738	46.43	PPB		94
32) Propionitrile	4.70	54	25099	31.92	PPB		94
33) Ethyl Acetate	4.53	61	18226	26.30	PPB		97
34) Methacrylonitrile	4.85	67	82038	30.71	PPB		96
35) Bromochloromethane	4.76	128	56623	10.27	PPB		95
36) Tetrahydrofuran	4.77	71	12297	21.99	PPB		90
37) Chloroform	4.88	83	216295	10.27	PPB		97
38) tert-Butyl Formate	4.91	59	126874	28.10	PPB		99
39) 1,1,1-Trichloroethane	5.05	97	187434	10.97	PPB		99
41) Carbon Tetrachloride	5.23	117	146096	12.31	PPB		97
42) 1,1-Dichloropropene	5.30	75	177970	10.69	PPB		94
43) Isobutyl Alcohol	5.69	43	48901	323.78	PPB		96
45) Benzene	5.62	78	518114	10.08	PPB		99
46) 1,2-Dichloroethane	5.80	62	149805	9.68	PPB		98
47) tert-Amyl Methyl Ether	5.80	55	142367	19.88	PPB	#	82
48) Trichloroethene	6.75	95	128976	10.64	PPB		93
49) 1,2-Dichloropropane	7.28	63	117818	10.19	PPB		95
50) Dibromomethane	7.50	93	56119	10.21	PPB		93
51) Methyl methacrylate	7.57	69	141764	31.59	PPB		98
52) 1,4-Dioxane	7.54	88	17842	325.55	PPB		97
53) Bromodichloromethane	7.85	83	136919	10.66	PPB		99
54) 2-Nitropropane	8.54	43	23344	32.38	PPB		96
55) 2-Chloroethyl Vinyl Ether	8.62	63	41778	9.88	PPB		92
56) cis-1,3-Dichloropropene	8.86	75	170025	10.86	PPB		96
57) 4-Methyl-2-pentanone (MIBK	9.32	58	99463	44.64	PPB	#	38
59) Toluene	9.49	92	340730	9.78	PPB		97
61) n-Octane	9.74	85	187403	25.23	PPB		95
62) trans-1,3-Dichloropropene	10.26	75	124754	10.16	PPB		95
63) Ethyl methacrylate	10.42	69	295015	32.74	PPB		97
64) 1,1,2-Trichloroethane	10.58	83	69476	10.53	PPB		97
65) Tetrachloroethene	10.55	164	113276	11.48	PPB		98
66) 2-Hexanone	11.08	57	31798	49.63	PPB		91
67) 1,3-Dichloropropane	10.88	76	149167	10.45	PPB		97
68) Dibromochloromethane	11.18	129	77954	11.95	PPB		98
69) 1,2-Dibromoethane (EDB)	11.33	107	75694	10.65	PPB		100
70) 1-Chlorohexane	12.12	91	165828	11.07	PPB		98
71) Chlorobenzene	12.09	112	379444	10.23	PPB		97
72) Ethylbenzene	12.25	106	204721	10.89	PPB		98
73) 1,1,1,2-Tetrachloroethane	12.27	131	99907	11.05	PPB		98

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

Data File : J:\MS13\DATA\032208\0322F003.D
Acq On : 22 Mar 2008 7:26 pm
Sample : 8260 ICV3 (Water) (R)
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 19:57:55 2008

Vial: 3
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W.RE

Quant Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration
DataAcq Meth : 8260W5

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
74)	m,p-Xylenes	12.44	106	517837	22.18	PPB		97
75)	o-Xylene	12.99	106	247095	10.81	PPB		96
76)	Styrene	13.03	103	189972	10.96	PPB		98
77)	Bromoform	13.27	173	36524	11.27	PPB		93
78)	Isopropylbenzene	13.47	105	596216	10.56	PPB		99
79)	cis-1,4-Dichloro-2-butene	13.70	89	27396	35.51	PPB	#	70
82)	1,1,2,2-Tetrachloroethane	13.99	83	76804	10.90	PPB		99
83)	trans-1,4-Dichloro-2-buten	14.07	53	70492	35.69	PPB	#	69
84)	Bromobenzene	13.86	156	147221	10.40	PPB		92
85)	n-Propylbenzene	14.00	91	754152	11.31	PPB		99
86)	1,2,3-Trichloropropane	14.02	110	26370	10.12	PPB		94
87)	2-Chlorotoluene	14.10	91	481866	10.92	PPB		98
88)	1,3,5-Trimethylbenzene	14.23	105	529555	11.41	PPB		98
89)	4-Chlorotoluene	14.25	91	534229	10.77	PPB		96
90)	tert-Butylbenzene	14.59	119	466609	11.44	PPB		98
91)	1,2,4-Trimethylbenzene	14.67	105	513088	11.39	PPB		98
92)	sec-Butylbenzene	14.85	105	649714	11.91	PPB		100
93)	p-Isopropyltoluene	15.04	119	533076	11.30	PPB		99
94)	1,3-Dichlorobenzene	14.99	146	299597	10.52	PPB		99
95)	1,4-Dichlorobenzene	15.11	146	299457	10.08	PPB		99
96)	n-Butylbenzene	15.50	91	442469	12.27	PPB		99
97)	1,2-Dichlorobenzene	15.52	146	264338	10.21	PPB		99
98)	1,2-Dibromo-3-chloropropan	16.42	155	8434	11.55	PPB		85
99)	1,3,5-Trichlorobenzene	16.57	180	780563	42.50	PPB		99
100)	1,2,4-Trichlorobenzene	17.26	180	152933	10.17	PPB		99
101)	Hexachlorobutadiene	17.39	225	84871	11.17	PPB		95
102)	Naphthalene	17.52	128	215938	10.55	PPB		96
103)	1,2,3-Trichlorobenzene	17.78	180	122163	10.45	PPB	#	79

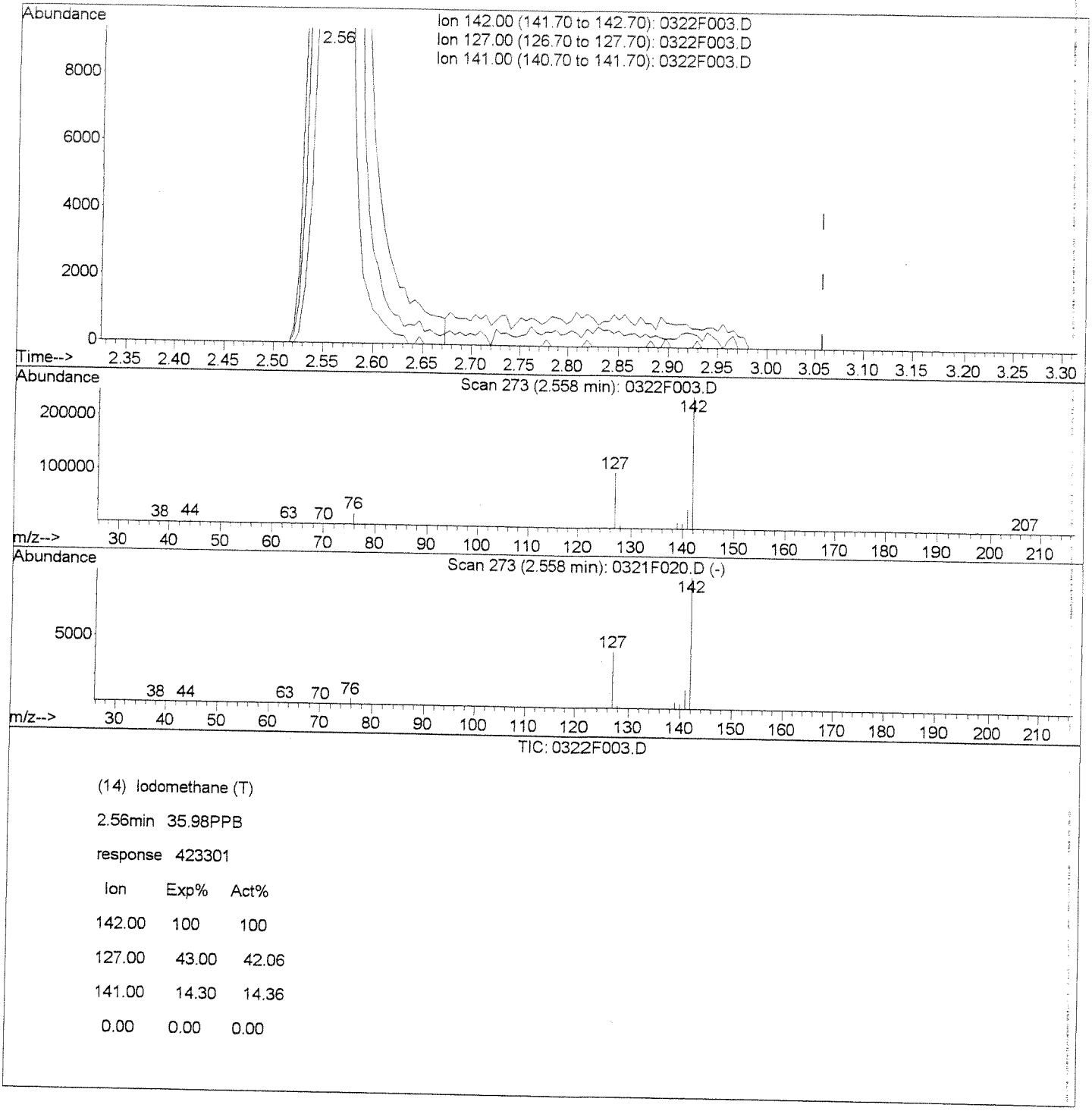
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS13\DATA\032208\0322F003.D
Acq On : 22 Mar 2008 7:26 pm
Sample : 8260 ICV3 (Water) (R)
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 19:57 2008

Vial: 3
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration



(14) Iodomethane (T)

2.56min 35.98PPB

response 423301

Ion	Exp%	Act%
142.00	100	100
127.00	43.00	42.06
141.00	14.30	14.36
0.00	0.00	0.00

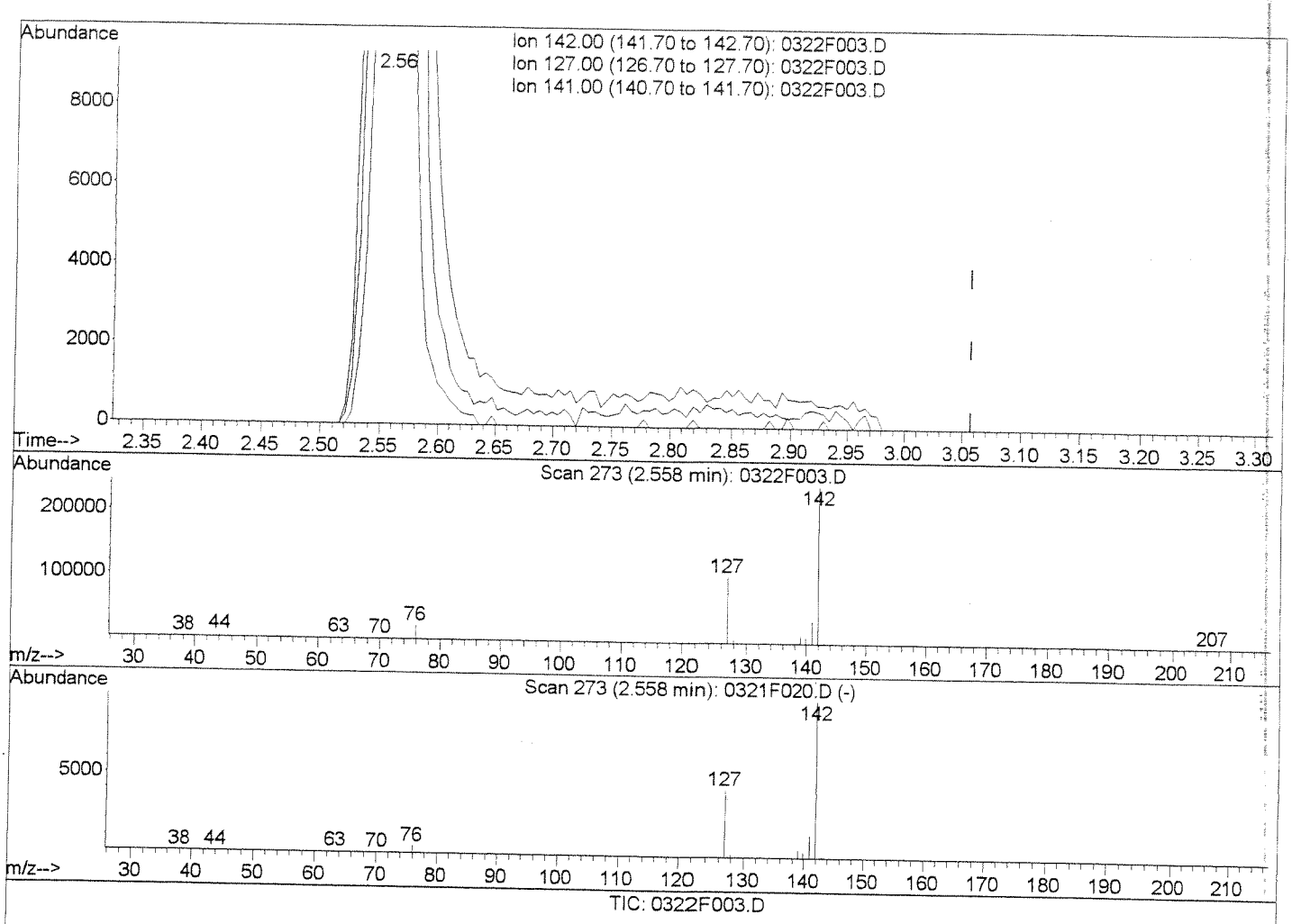
0322F003.D 032108_8260W.M Sat Mar 22 19:58:16 2008

Data File : J:\MS13\DATA\032208\0322F003.D
Acq On : 22 Mar 2008 7:26 pm
Sample : 8260 ICV3 (Water) (R)
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 19:58 2008

Vial: 3
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration



TIC: 0322F003.D

(14) Iodomethane (T)

2.56min 37.10PPB m

response 436574

Ion	Exp%	Act%
142.00	100	100
127.00	43.00	42.06
141.00	14.30	14.36
0.00	0.00	0.00

peak failing KB 3/22/08

HL 3-24-08

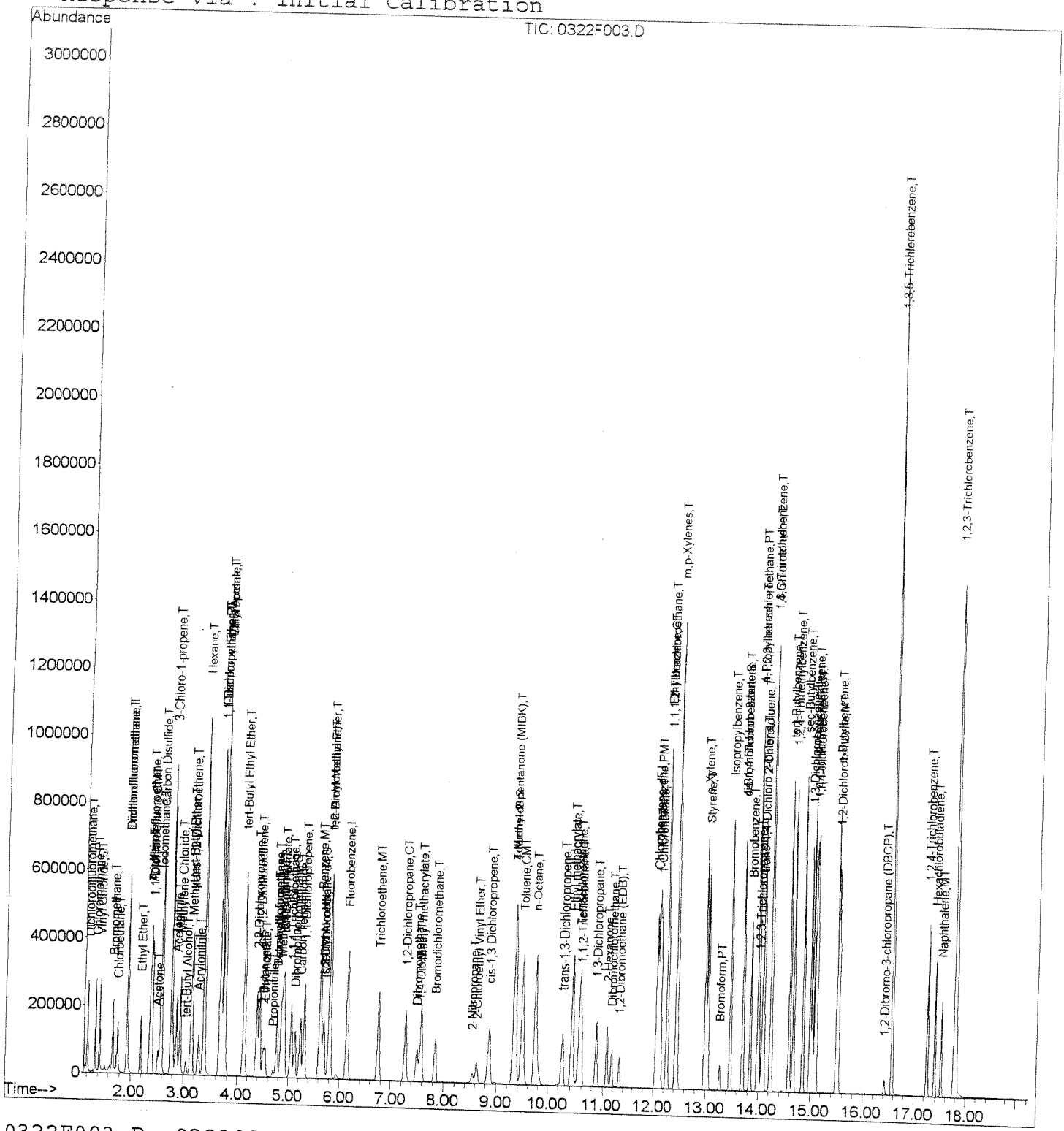
0322F003.D 032108_8260W.M Sat Mar 22 19:58:20 2008

Data File : J:\MS13\DATA\032208\0322F003.D
Acq On : 22 Mar 2008 7:26 pm
Sample : 8260 ICV3 (Water) (R)
Misc :
MS Integration Params: rteint.p
Quant Time: Mar 22 19:58 2008

Vial: 3
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration



0322F003.D 032108_8260W.M Sat Mar 22 19:59:05 2008 Page 4

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/02/2008

Continuing Calibration Verification Summary
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration Date: 03/21/2008
Calibration ID: CAL7189
Analysis Lot: KWG0803086
Units: PPB

File ID: J:\MS13\DATA\040208\0402F003.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Dichlorodifluoromethane	10	9.0	0.01	0.246	0.221	-10	NA	± 40 %	AverageRF
† Chloromethane	10	9.8	0.10	0.302	0.295	-2	NA	± 40 %	AverageRF
‡ Vinyl Chloride	10	9.2	0.01	0.298	0.274	-8	NA	± 20 %	AverageRF
Bromomethane	10	11	0.01	0.173	0.187	8	NA	± 40 %	AverageRF
Chloroethane	10	9.7	0.01	0.190	0.184	-3	NA	± 40 %	AverageRF
Trichlorofluoromethane	10	9.2	0.01	0.387	0.357	-8	NA	± 30 %	AverageRF
Acetone	200	170	0.01	0.0347	0.0295	-15	NA	± 30 %	AverageRF
‡ 1,1-Dichloroethene	10	9.2	0.01	0.197	0.180	-8	NA	± 20 %	AverageRF
Carbon Disulfide	10	9.5	0.01	0.714	0.677	-5	NA	± 30 %	AverageRF
Methylene Chloride	10	9.1	0.01	0.279	0.254	-9	NA	± 30 %	AverageRF
trans-1,2-Dichloroethene	10	9.5	0.01	0.239	0.227	-5	NA	± 30 %	AverageRF
† 1,1-Dichloroethane	10	9.5	0.10	0.444	0.424	-5	NA	± 30 %	AverageRF
2-Butanone (MEK)	200	190	0.01	0.0131	0.0123	-6	NA	± 30 %	AverageRF
2,2-Dichloropropane	10	9.5	0.01	0.332	0.314	-5	NA	± 30 %	AverageRF
cis-1,2-Dichloroethene	10	9.9	0.01	0.267	0.265	-1	NA	± 30 %	AverageRF
‡ Chloroform	10	9.7	0.01	0.429	0.415	-3	NA	± 20 %	AverageRF
Bromochloromethane	10	10	0.01	0.112	0.114	2	NA	± 30 %	AverageRF
1,1,1-Trichloroethane (TCA)	10	9.0	0.01	0.348	0.315	-10	NA	± 30 %	AverageRF
1,1-Dichloropropene	10	9.3	0.01	0.339	0.314	-7	NA	± 30 %	AverageRF
Carbon Tetrachloride	10	9.5	0.01	0.242	0.230	-5	NA	± 30 %	AverageRF
1,2-Dichloroethane (EDC)	10	9.5	0.01	0.315	0.299	-5	NA	± 30 %	AverageRF
Benzene	10	9.6	0.01	1.05	1.01	-4	NA	± 30 %	AverageRF
Trichloroethene (TCE)	10	9.7	0.01	0.247	0.239	-3	NA	± 30 %	AverageRF
‡ 1,2-Dichloropropane	10	10	0.01	0.236	0.243	3	NA	± 20 %	AverageRF
Bromodichloromethane	10	9.8	0.01	0.262	0.255	-3	NA	± 30 %	AverageRF
Dibromomethane	10	9.9	0.01	0.112	0.111	-1	NA	± 30 %	AverageRF
2-Hexanone	200	200	0.01	0.0313	0.0314	0	NA	± 30 %	AverageRF
cis-1,3-Dichloropropene	10	11	0.01	0.319	0.339	6	NA	± 30 %	AverageRF
Toluene	10	9.5	0.01	0.710	0.677	-5	NA	± 20 %	AverageRF
trans-1,3-Dichloropropene	10	11	0.01	0.600	0.633	5	NA	± 30 %	AverageRF
1,1,2-Trichloroethane	10	10	0.01	0.323	0.330	2	NA	± 30 %	AverageRF
4-Methyl-2-pentanone (MIBK)	200	180	0.01	0.0454	0.0413	-9	NA	± 30 %	AverageRF
1,3-Dichloropropane	10	10	0.01	0.698	0.716	3	NA	± 30 %	AverageRF
Tetrachloroethene (PCE)	10	9.4	0.01	0.482	0.455	-6	NA	± 30 %	AverageRF
Dibromochloromethane	10	10	0.01	0.319	0.332	4	NA	± 30 %	AverageRF
1,2-Dibromoethane (EDB)	10	10	0.01	0.347	0.363	4	NA	± 30 %	AverageRF
Chlorobenzene	10	9.5	0.30	1.81	1.72	-5	NA	± 30 %	AverageRF
1,1,1,2-Tetrachloroethane	10	10	0.01	0.442	0.440	0	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/02/2008

Continuing Calibration Verification Summary
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration Date: 03/21/2008
Calibration ID: CAL7189
Analysis Lot: KWG0803086
Units: PPB

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
‡ Ethylbenzene	10	10	0.01	0.918	0.917	0	NA	± 20 %	AverageRF
m,p-Xylenes	20	20	0.01	1.14	1.16	2	NA	± 30 %	AverageRF
o-Xylene	10	10	0.01	1.12	1.11	-1	NA	± 30 %	AverageRF
Styrene	10	11	0.01	0.847	0.892	5	NA	± 30 %	AverageRF
† Bromoform	10	9.6	0.10	0.158	0.152	-4	NA	± 30 %	AverageRF
Isopropylbenzene	10	9.9	0.01	2.76	2.73	-1	NA	± 30 %	AverageRF
† 1,1,2,2-Tetrachloroethane	10	11	0.30	0.366	0.401	10	NA	± 30 %	AverageRF
1,2,3-Trichloropropane	10	9.7	0.01	0.135	0.131	-3	NA	± 30 %	AverageRF
Bromobenzene	10	10	0.01	0.735	0.750	2	NA	± 30 %	AverageRF
n-Propylbenzene	10	10	0.01	3.46	3.51	1	NA	± 30 %	AverageRF
2-Chlorotoluene	10	9.9	0.01	2.29	2.26	-1	NA	± 30 %	AverageRF
4-Chlorotoluene	10	10	0.01	2.58	2.63	2	NA	± 30 %	AverageRF
1,3,5-Trimethylbenzene	10	10	0.01	2.41	2.50	4	NA	± 30 %	AverageRF
tert-Butylbenzene	10	9.8	0.01	2.12	2.07	-2	NA	± 30 %	AverageRF
1,2,4-Trimethylbenzene	10	11	0.01	2.34	2.50	7	NA	± 30 %	AverageRF
sec-Butylbenzene	10	10	0.01	2.83	2.86	1	NA	± 30 %	AverageRF
1,3-Dichlorobenzene	10	9.8	0.01	1.48	1.45	-2	NA	± 30 %	AverageRF
4-Isopropyltoluene	10	10	0.01	2.45	2.48	1	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	10	9.4	0.01	1.54	1.45	-6	NA	± 30 %	AverageRF
n-Butylbenzene	10	11	0.01	1.87	2.03	8	NA	± 30 %	AverageRF
1,2-Dichlorobenzene	10	9.7	0.01	1.35	1.30	-4	NA	± 30 %	AverageRF
1,2-Dibromo-3-chloropropane	10	11	0.01	0.0379	0.0421	11	NA	± 30 %	AverageRF
1,2,4-Trichlorobenzene	10	9.5	0.01	0.781	0.743	-5	NA	± 30 %	AverageRF
1,2,3-Trichlorobenzene	10	9.3	0.01	0.607	0.566	-7	NA	± 30 %	AverageRF
Naphthalene	10	11	0.01	1.06	1.16	9	NA	± 30 %	AverageRF
Hexachlorobutadiene	10	9.3	0.01	0.395	0.365	-7	NA	± 30 %	AverageRF
1,3,5-Trichlorobenzene	10	10	0.01	0.954	0.962	1	NA	± 30 %	AverageRF
Dibromofluoromethane	10	9.8	0.01	0.221	0.216	-2	NA	± 30 %	AverageRF
Toluene-d8	10	11	0.01	0.960	1.07	11	NA	± 30 %	AverageRF
4-Bromofluorobenzene	10	10	0.01	0.891	0.926	4	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound **‡ CCC Compound**

Exception Report

Data File: J:\MS13\DATA\040208\0402F003.D
Lab ID: KWG0803086-2
RunType: CCV
Matrix: WATER

Date Acquired: 04/02/2008 16:35
Date Quantitated: 04/03/2008 15:11
Batch ID: KWG0803086
Analysis Method: 8260B
MethodJoinID: MJ119

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA		x
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Internal Standards	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	1,4-Dioxane	0.0011	0.01	NA	NT
	Acetonitrile	0.0079	0.01	NA	MRL CHK
	tert-Butyl Alcohol	0.0075	0.01	NA	NT
	Isobutyl Alcohol	0.0031	0.01	NA	MRL CHK
Second Source ICAL Verification	tert-Butyl Formate	40.5	NA	30	NT

Primary Review: KB 4/3/08

Secondary Review: HT 04/04/08

Printed: 04/03/2008 16:46:03
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8260B	**Collect Date:**		**Receive Date:**	04/03/2008

Analysis Lot:	KWG0803086	**Prep Lot:**		**Report Group:**	
Analysis Method:	8260B	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:			
Tune Ref:	J:\MS13\DATA\040208\0402F002.D	**Method ID:**	MJ119
MB Ref:		**Quant based on Method**	

Data File:	J:\MS13\DATA\040208\0402F003.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 16:35	**Quant Date:**	04/03/2008 15:11	**Vial:**	3
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG0803086-2			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	6.14	0.00	96	637814	10.00	OK
2	Chlorobenzene-d5	12.05	0.00	82	271180	10.00	OK
3	1,4-Dichlorobenzene-d4	15.08	0.00	152	251161	10.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	Dibromofluoromethane	5.13			113	137782	9.78		75-120	NA
1	1,2-Dichloroethane-d4	5.68			65	151560	8.71		62-121	NA
1	Toluene-d8	9.33			98	682355	11.14		80-128	NA
2	4-Bromofluorobenzene	13.71			95	251247	10.40		75-117	NA

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane	1.20			85	141212	9.00			
1	Chloromethane	1.34			50	187883	9.76			
1	Vinyl Chloride	1.42			62	174599	9.19			
1	Bromomethane	1.68			96	119501	10.84			
1	Chloroethane	1.76			64	117610	9.70			
1	Dichlorofluoromethane (CFC 21	1.94			67	281569	9.18			
1	Trichlorofluoromethane	1.94			101	227748	9.24			
1	Ethyl Ether	2.19			59	101665	10.08			
1	Acrolein	2.37			56	325083	241.40			
1	Trichlorotrifluoroethane	2.36			151	106670	8.98			
1	1,1-Dichloroethene	2.40			96	114928	9.15			
1	Acetone	2.52			43	376529	170.31			
1	Iodomethane	2.56			142	590528m	38.61			
1	Carbon Disulfide	2.58			76	431883	9.49			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040208\0402F003.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 16:35	**Quant Date:**	04/03/2008 15:11	**Vial:**	3
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG0803086-2			**Soln Conc. Units:**	PPB

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	3-Chloro-1-propene	2.77			76	81847	10.21			
1	Acetonitrile	2.86			40	199686	396.31			
1	Methylene Chloride	2.93			84	161808	9.08			
1	tert-Butyl Alcohol	3.04			59	21337	44.68			
1	Acrylonitrile	3.27			53	120632	42.07			
1	Methyl tert-Butyl Ether	3.13			73	640936	19.85			
1	trans-1,2-Dichloroethene	3.15			96	144815	9.48			
1	n-Hexane	3.36			57	197400	9.02			
1	Diisopropyl Ether	3.68			45	453427	10.08			
1	1,1-Dichloroethane	3.68			63	270398	9.54			
1	Vinyl Acetate	3.75			86	45379	20.97			
1	Chloroprene	3.74			53	938476	40.21			
1	tert-Butyl Ethyl Ether	4.12			59	398849	9.96			
1	2,2-Dichloropropane	4.38			77	200481	9.46			
1	cis-1,2-Dichloroethene	4.44			96	169059	9.94			
1	2-Butanone (MEK)	4.49			72	157102	188.67			
1	Propionitrile	4.69			54	43592	42.64			
1	Ethyl Acetate	4.53			61	37880	42.05			
1	Methacrylonitrile	4.84			67	146871	42.30			
1	Bromochloromethane	4.77			128	72805	10.16			
1	Tetrahydrofuran	4.77			71	31418	43.23			
1	Chloroform	4.89			83	264400	9.65			
1	tert-Butyl Formate	4.91			59	63507	10.82			
1	1,1,1-Trichloroethane (TCA)	5.05			97	200967	9.04			
1	Carbon Tetrachloride	5.23			117	146456	9.50			
1	1,1-Dichloropropene	5.31			75	200341	9.26			
1	Isobutyl Alcohol	5.69			43	75239	383.23			
1	Benzene	5.62			78	642412	9.62			
1	1,2-Dichloroethane (EDC)	5.81			62	190588	9.47			
1	tert-Amyl Methyl Ether	5.80			55	91843	9.86			
1	Trichloroethene (TCE)	6.75			95	152577	9.68			
1	1,2-Dichloropropane	7.27			63	154959	10.31			
1	Dibromomethane	7.50			93	70841	9.92			
1	Methyl Methacrylate	7.58			69	61078	10.47			
1	1,4-Dioxane	7.54			88	27263	382.68			
1	Bromodichloromethane	7.85			83	162766	9.75			
1	2-Nitropropane	8.55			43	44235	47.20			
1	2-Chloroethyl Vinyl Ether	8.62			63	58047	10.56			
1	cis-1,3-Dichloropropene	8.85			75	216313	10.63			
1	4-Methyl-2-pentanone (MIBK)	9.32			58	526873	181.91			
1	Toluene	9.49			92	431506	9.52			
2	n-Octane	9.74			85	93505	9.50			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040208\0402F003.D			**Instrument:**	MS13
Acqu Date:	04/02/2008 16:35	**Quant Date:**	04/03/2008 15:11	**Vial:**	3
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG0803086-2			**Soln Conc. Units:**	PPB

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
2	trans-1,3-Dichloropropene	10.26			75	171563	10.54			
2	Ethyl Methacrylate	10.42			69	122018	10.22			
2	1,1,2-Trichloroethane	10.58			83	89492	10.23			
2	Tetrachloroethene (PCE)	10.54			164	123303	9.43			
2	2-Hexanone	11.08			57	170161	200.38			
2	1,3-Dichloropropane	10.87			76	194204	10.27			
2	Dibromochloromethane	11.18			129	89973	10.40			
2	1,2-Dibromoethane (EDB)	11.33			107	98372	10.44			
2	1-Chlorohexane	12.12			91	198183	9.98			
2	Chlorobenzene	12.09			112	467616	9.51			
2	Ethylbenzene	12.25			106	248719	9.99			
2	1,1,1,2-Tetrachloroethane	12.26			131	119379	9.96			
2	m,p-Xylenes	12.44			106	628607	20.31			
2	o-Xylene	12.99			106	301278	9.95			
2	Styrene	13.03			103	241820	10.53			
2	Bromoform	13.27			173	41318	9.62			
2	Isopropylbenzene	13.47			105	740846	9.90			
2	cis-1,4-Dichloro-2-butene	13.70			89	41777	40.86			
3	1,1,2,2-Tetrachloroethane	13.99			83	100840	10.97			
3	trans-1,4-Dichloro-2-butene	14.07			53	27072	10.51			
3	Bromobenzene	13.85			156	188366	10.20			
3	n-Propylbenzene	13.99			91	882199	10.14			
3	1,2,3-Trichloropropane	14.02			110	32862	9.67			
3	2-Chlorotoluene	14.10			91	567415	9.86			
3	1,3,5-Trimethylbenzene	14.23			105	628333	10.38			
3	4-Chlorotoluene	14.25			91	659302	10.19			
3	tert-Butylbenzene	14.59			119	520012	9.77			
3	1,2,4-Trimethylbenzene	14.67			105	626806	10.67			
3	sec-Butylbenzene	14.85			105	719035	10.10			
3	4-Isopropyltoluene	15.04			119	624091	10.14			
3	1,3-Dichlorobenzene	14.99			146	364192	9.81			
3	1,4-Dichlorobenzene	15.11			146	364549	9.40			
3	n-Butylbenzene	15.50			91	509760	10.84			
3	1,2-Dichlorobenzene	15.52			146	325865	9.65			
3	1,2-Dibromo-3-chloropropane	16.43			155	10573	11.10			
3	1,3,5-Trichlorobenzene	16.57			180	241599	10.09			
3	1,2,4-Trichlorobenzene	17.26			180	186660	9.52			
3	Hexachlorobutadiene	17.39			225	91720	9.25			
3	Naphthalene	17.52			128	291846	10.93			
3	1,2,3-Trichlorobenzene	17.77			180	142035	9.31			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

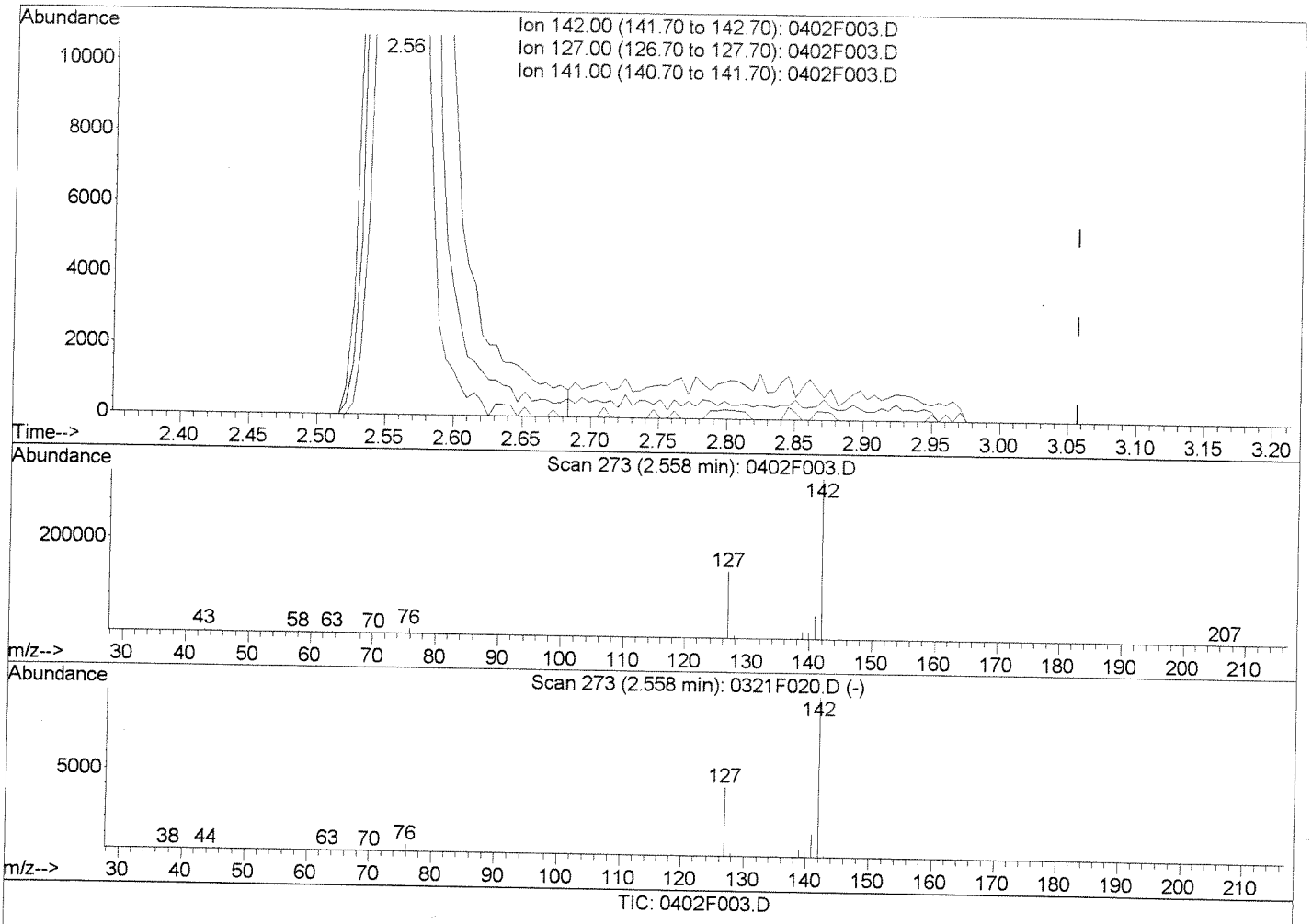
Quantitation Report (Qedit)

Data File : J:\MS13\DATA\040208\0402F003.D
Acq On : 2 Apr 2008 4:35 pm
Sample : 8260 CCV W
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 15:11 2008

Vial: 3
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration



TIC: 0402F003.D

(14) Iodomethane (T)

2.56min 37.68PPB

response 576316

Ion	Exp%	Act%
142.00	100	100
127.00	43.00	41.74
141.00	14.30	14.51
0.00	0.00	0.00

0402F003.D 032108_8260W.M Thu Apr 03 15:11:21 2008

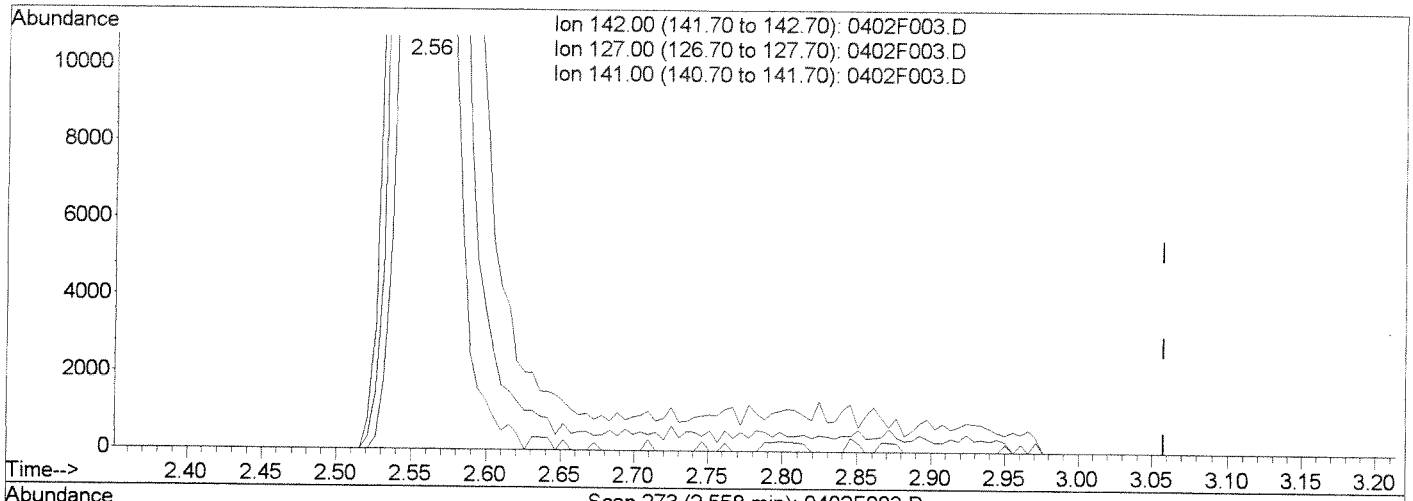
Quantitation Report (Qedit)

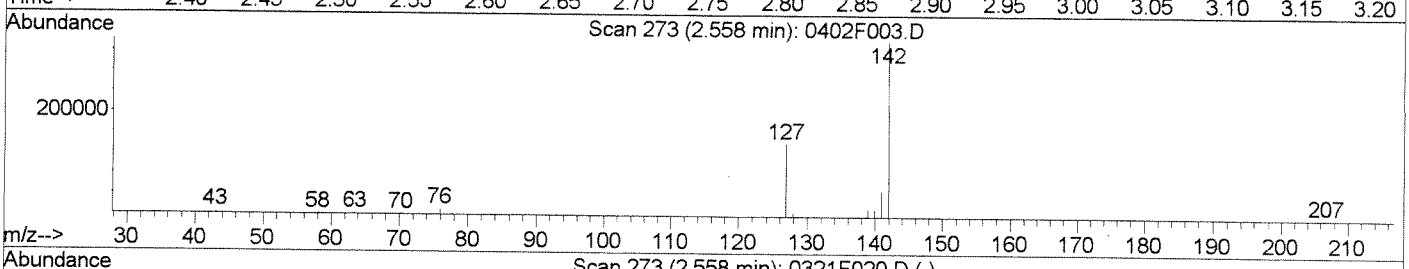
Data File : J:\MS13\DATA\040208\0402F003.D
Acq On : 2 Apr 2008 4:35 pm
Sample : 8260 CCV W
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 15:11 2008

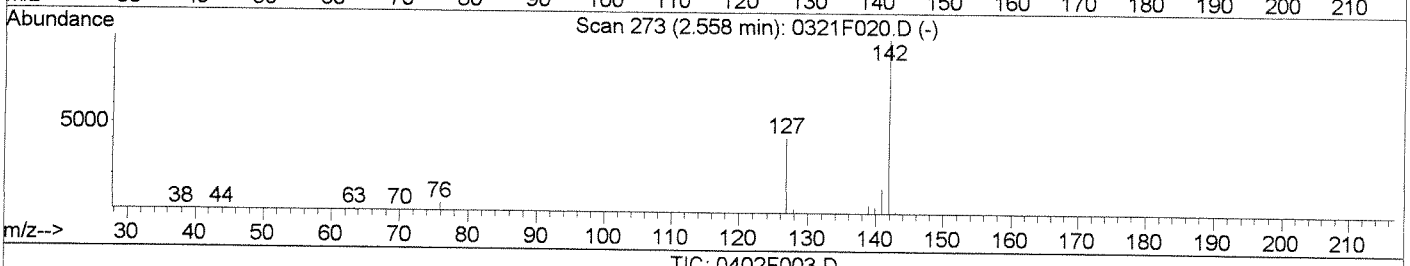
Vial: 3
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration







TIC: 0402F003.D

(14) Iodomethane (T)

2.56min 38.61PPB m

response 590528

Ion	Exp%	Act%
142.00	100	100
127.00	43.00	41.74
141.00	14.30	14.51
0.00	0.00	0.00

peak failing
KB 4/3/08

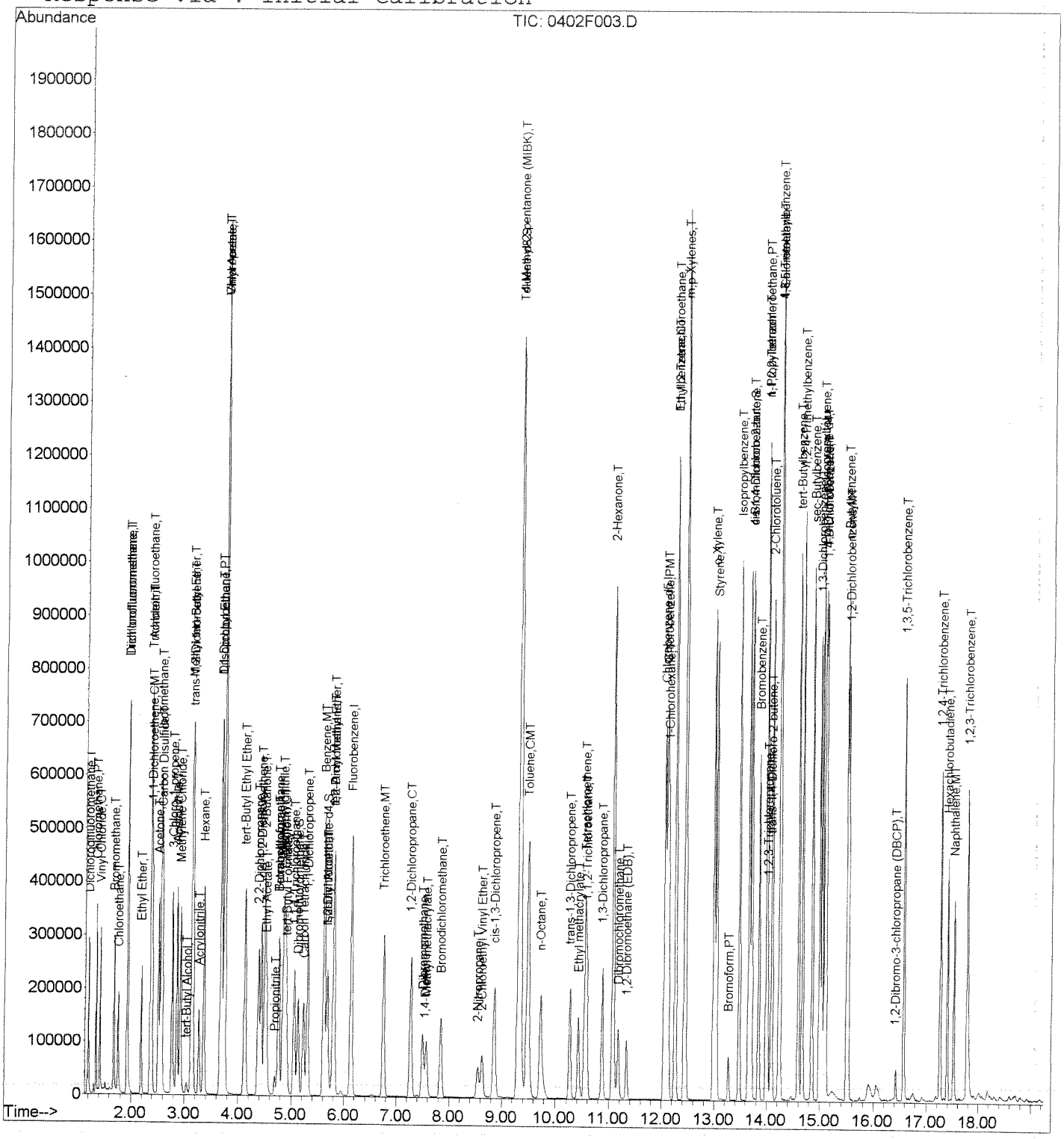
HC040408

0402F003.D 032108_8260W.M Thu Apr 03 15:11:26 2008

Quantitation Report (QT Reviewed)

Data File : J:\MS13\DATA\040208\0402F003.D Vial: 3
Acq On : 2 Apr 2008 4:35 pm Operator:
Sample : 8260 CCV W Inst : MS13
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Apr 3 15:11 2008 Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration



Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/03/2008

Continuing Calibration Verification Summary
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration Date: 03/21/2008
Calibration ID: CAL7189
Analysis Lot: KWG0803131
Units: PPB

File ID: J:\MS13\DATA\040308\0403F003.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Dichlorodifluoromethane	10	9.0	0.01	0.246	0.222	-10	NA	± 40 %	AverageRF
† Chloromethane	10	9.1	0.10	0.302	0.274	-9	NA	± 40 %	AverageRF
‡ Vinyl Chloride	10	8.4	0.01	0.298	0.250	-16	NA	± 20 %	AverageRF
Bromomethane	10	10	0.01	0.173	0.175	1	NA	± 40 %	AverageRF
Chloroethane	10	9.0	0.01	0.190	0.170	-10	NA	± 40 %	AverageRF
Trichlorofluoromethane	10	9.9	0.01	0.387	0.383	-1	NA	± 30 %	AverageRF
Acetone	200	170	0.01	0.0347	0.0295	-15	NA	± 30 %	AverageRF
† 1,1-Dichloroethene	10	8.9	0.01	0.197	0.175	-11	NA	± 20 %	AverageRF
Carbon Disulfide	10	9.2	0.01	0.714	0.657	-8	NA	± 30 %	AverageRF
Methylene Chloride	10	8.7	0.01	0.279	0.243	-13	NA	± 30 %	AverageRF
trans-1,2-Dichloroethene	10	9.3	0.01	0.239	0.223	-7	NA	± 30 %	AverageRF
† 1,1-Dichloroethane	10	9.4	0.10	0.444	0.419	-6	NA	± 30 %	AverageRF
2-Butanone (MEK)	200	180	0.01	0.0131	0.0118	-9	NA	± 30 %	AverageRF
2,2-Dichloropropane	10	9.6	0.01	0.332	0.319	-4	NA	± 30 %	AverageRF
cis-1,2-Dichloroethene	10	9.6	0.01	0.267	0.255	-4	NA	± 30 %	AverageRF
‡ Chloroform	10	10	0.01	0.429	0.430	0	NA	± 20 %	AverageRF
Bromochloromethane	10	10	0.01	0.112	0.115	2	NA	± 30 %	AverageRF
1,1,1-Trichloroethane (TCA)	10	9.5	0.01	0.348	0.330	-5	NA	± 30 %	AverageRF
1,1-Dichloropropene	10	9.2	0.01	0.339	0.312	-8	NA	± 30 %	AverageRF
Carbon Tetrachloride	10	9.9	0.01	0.242	0.240	-1	NA	± 30 %	AverageRF
1,2-Dichloroethane (EDC)	10	10	0.01	0.315	0.321	2	NA	± 30 %	AverageRF
Benzene	10	9.4	0.01	1.05	0.986	-6	NA	± 30 %	AverageRF
Trichloroethene (TCE)	10	9.8	0.01	0.247	0.241	-2	NA	± 30 %	AverageRF
‡ 1,2-Dichloropropane	10	9.7	0.01	0.236	0.229	-3	NA	± 20 %	AverageRF
Bromodichloromethane	10	10	0.01	0.262	0.264	1	NA	± 30 %	AverageRF
Dibromomethane	10	10	0.01	0.112	0.115	3	NA	± 30 %	AverageRF
2-Hexanone	200	200	0.01	0.0313	0.0311	-1	NA	± 30 %	AverageRF
cis-1,3-Dichloropropene	10	10	0.01	0.319	0.333	4	NA	± 30 %	AverageRF
‡ Toluene	10	9.4	0.01	0.710	0.669	-6	NA	± 20 %	AverageRF
trans-1,3-Dichloropropene	10	10	0.01	0.600	0.625	4	NA	± 30 %	AverageRF
1,1,2-Trichloroethane	10	9.8	0.01	0.323	0.315	-2	NA	± 30 %	AverageRF
4-Methyl-2-pentanone (MIBK)	200	170	0.01	0.0454	0.0396	-13	NA	± 30 %	AverageRF
1,3-Dichloropropane	10	10	0.01	0.698	0.714	2	NA	± 30 %	AverageRF
Tetrachloroethene (PCE)	10	9.6	0.01	0.482	0.465	-4	NA	± 30 %	AverageRF
Dibromochloromethane	10	11	0.01	0.319	0.347	9	NA	± 30 %	AverageRF
1,2-Dibromoethane (EDB)	10	11	0.01	0.347	0.365	5	NA	± 30 %	AverageRF
Chlorobenzene	10	9.7	0.30	1.81	1.75	-3	NA	± 30 %	AverageRF
1,1,1,2-Tetrachloroethane	10	11	0.01	0.442	0.465	5	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/03/2008

Continuing Calibration Verification Summary
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration Date: 03/21/2008
Calibration ID: CAL7189
Analysis Lot: KWG0803131
Units: PPB

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
† Ethylbenzene	10	10	0.01	0.918	0.929	1	NA	± 20 %	AverageRF
m,p-Xylenes	20	20	0.01	1.14	1.16	2	NA	± 30 %	AverageRF
o-Xylene	10	9.9	0.01	1.12	1.11	-1	NA	± 30 %	AverageRF
Styrene	10	10	0.01	0.847	0.877	4	NA	± 30 %	AverageRF
† Bromoform	10	10	0.10	0.158	0.161	2	NA	± 30 %	AverageRF
Isopropylbenzene	10	9.9	0.01	2.76	2.72	-2	NA	± 30 %	AverageRF
† 1,1,2,2-Tetrachloroethane	10	10	0.30	0.366	0.377	3	NA	± 30 %	AverageRF
1,2,3-Trichloropropane	10	9.9	0.01	0.135	0.134	-1	NA	± 30 %	AverageRF
Bromobenzene	10	10	0.01	0.735	0.753	2	NA	± 30 %	AverageRF
n-Propylbenzene	10	9.8	0.01	3.46	3.41	-2	NA	± 30 %	AverageRF
2-Chlorotoluene	10	9.7	0.01	2.29	2.22	-3	NA	± 30 %	AverageRF
4-Chlorotoluene	10	10	0.01	2.58	2.60	1	NA	± 30 %	AverageRF
1,3,5-Trimethylbenzene	10	10	0.01	2.41	2.43	1	NA	± 30 %	AverageRF
tert-Butylbenzene	10	9.4	0.01	2.12	2.00	-6	NA	± 30 %	AverageRF
1,2,4-Trimethylbenzene	10	10	0.01	2.34	2.45	5	NA	± 30 %	AverageRF
sec-Butylbenzene	10	9.6	0.01	2.83	2.73	-4	NA	± 30 %	AverageRF
1,3-Dichlorobenzene	10	9.9	0.01	1.48	1.47	-1	NA	± 30 %	AverageRF
4-Isopropyltoluene	10	9.8	0.01	2.45	2.40	-2	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	10	9.5	0.01	1.54	1.47	-5	NA	± 30 %	AverageRF
n-Butylbenzene	10	10	0.01	1.87	1.91	2	NA	± 30 %	AverageRF
1,2-Dichlorobenzene	10	9.7	0.01	1.35	1.30	-3	NA	± 30 %	AverageRF
1,2-Dibromo-3-chloropropane	10	10	0.01	0.0379	0.0382	1	NA	± 30 %	AverageRF
1,2,4-Trichlorobenzene	10	9.7	0.01	0.781	0.754	-3	NA	± 30 %	AverageRF
1,2,3-Trichlorobenzene	10	9.4	0.01	0.607	0.568	-6	NA	± 30 %	AverageRF
Naphthalene	10	10	0.01	1.06	1.07	1	NA	± 30 %	AverageRF
Hexachlorobutadiene	10	9.1	0.01	0.395	0.360	-9	NA	± 30 %	AverageRF
1,3,5-Trichlorobenzene	10	10	0.01	0.954	0.969	2	NA	± 30 %	AverageRF
Dibromofluoromethane	10	10	0.01	0.221	0.227	3	NA	± 30 %	AverageRF
Toluene-d8	10	11	0.01	0.960	1.08	12	NA	± 30 %	AverageRF
4-Bromofluorobenzene	10	11	0.01	0.891	0.968	9	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

Exception Report

Data File: J:\MS13\DATA\040308\0403F003.D
Lab ID: KWG0803131-2
RunType: CCV
Matrix: WATER

Date Acquired: 04/03/2008 18:12
Date Quantitated: 04/03/2008 23:11
Batch ID: KWG0803131
Analysis Method: 8260B
MethodJoinID: MJ119

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA		x
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Internal Standards	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	1,4-Dioxane	0.0011	0.01	NA	NT
	Acetonitrile	0.0079	0.01	NA	"
	tert-Butyl Alcohol	0.0075	0.01	NA	"
	Isobutyl Alcohol	0.0031	0.01	NA	"
Second Source ICAL Verification	tert-Butyl Formate	40.5	NA	30	"

Primary Review: LG 4/4/08

Secondary Review: HC 04.07.08

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8260B	**Collect Date:**		**Receive Date:**	04/04/2008

Analysis Lot:	KWG0803131	**Prep Lot:**		**Report Group:**	
Analysis Method:	8260B	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS13\METHODS\032108_8260W	**Calibration ID:**	CAL7189
Title:			
Tune Ref:	J:\MS13\DATA\040308\0403F002.D	**Method ID:**	MJ119
MB Ref:		**Quant based on Method**	

Data File:	J:\MS13\DATA\040308\0403F003.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 18:12	**Quant Date:**	04/03/2008 23:11	**Vial:**	3
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG0803131-2			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	6.14	0.00	96	506341	10.00	OK
2	Chlorobenzene-d5	12.05	0.00	82	217909	10.00	OK
3	1,4-Dichlorobenzene-d4	15.08	0.00	152	208103	10.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	Dibromofluoromethane	5.13			113	114826	10.27		75-120	NA
1	1,2-Dichloroethane-d4	5.68			65	131855	9.55		62-121	NA
1	Toluene-d8	9.34			98	545041	11.21		80-128	NA
2	4-Bromofluorobenzene	13.71			95	210879	10.86		75-117	NA

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane	1.20			85	112641	9.04			
1	Chloromethane	1.34			50	138791	9.08			
1	Vinyl Chloride	1.42			62	126537	8.39			
1	Bromomethane	1.68			96	88382	10.10			
1	Chloroethane	1.76			64	86153	8.95			
1	Dichlorofluoromethane (CFC 21	1.94			67	226676	9.31			
1	Trichlorofluoromethane	1.94			101	193932	9.91			
1	Ethyl Ether	2.19			59	79457	9.92			
1	Acrolein	2.37			56	249375	233.26			
1	Trichlorotrifluoroethane	2.36			151	85298	9.04			
1	1,1-Dichloroethene	2.40			96	88528	8.88			
1	Acetone	2.52			43	299201	170.47			
1	Iodomethane	2.56			142	455986m	37.55			
1	Carbon Disulfide	2.58			76	332561	9.20			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F003.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 18:12	**Quant Date:**	04/03/2008 23:11	**Vial:**	3
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG0803131-2			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	3-Chloro-1-propene	2.77			76	62368	9.80			
1	Acetonitrile	2.86			40	151742	379.35			
1	Methylene Chloride	2.93			84	123065	8.70			
1	tert-Butyl Alcohol	3.04			59	16738	44.15			
1	Acrylonitrile	3.27			53	91324	40.12			
1	Methyl tert-Butyl Ether	3.13			73	514873	20.09			
1	trans-1,2-Dichloroethene	3.15			96	112918	9.31			
1	n-Hexane	3.36			57	147346	8.48			
1	Diisopropyl Ether	3.68			45	333120	9.33			
1	1,1-Dichloroethane	3.68			63	212375	9.44			
1	Vinyl Acetate	3.74			86	35798	20.83			
1	Chloroprene	3.74			53	752067	40.59			
1	tert-Butyl Ethyl Ether	4.13			59	306283	9.63			
1	2,2-Dichloropropane	4.38			77	161583	9.61			
1	cis-1,2-Dichloroethene	4.43			96	128978	9.55			
1	2-Butanone (MEK)	4.50			72	119866	181.33			
1	Propionitrile	4.70			54	31544	38.87			
1	Ethyl Acetate	4.53			61	29048	40.62			
1	Methacrylonitrile	4.85			67	116199	42.16			
1	Bromochloromethane	4.76			128	58292	10.24			
1	Tetrahydrofuran	4.77			71	23054	39.95			
1	Chloroform	4.89			83	217607	10.01			
1	tert-Butyl Formate	4.91			59	49479	10.62			
1	1,1,1-Trichloroethane (TCA)	5.05			97	167050	9.47			
1	Carbon Tetrachloride	5.23			117	121281	9.91			
1	1,1-Dichloropropene	5.30			75	157831	9.19			
1	Isobutyl Alcohol	5.69			43	55550	356.41			
1	Benzene	5.62			78	499075	9.41			
1	1,2-Dichloroethane (EDC)	5.80			62	162754	10.19			
1	tert-Amyl Methyl Ether	5.80			55	77463	10.48			
1	Trichloroethene (TCE)	6.75			95	122110	9.76			
1	1,2-Dichloropropane	7.27			63	116169	9.74			
1	Dibromomethane	7.50			93	58387	10.30			
1	Methyl Methacrylate	7.57			69	46381	10.02			
1	1,4-Dioxane	7.54			88	21400	378.38			
1	Bromodichloromethane	7.85			83	133861	10.10			
1	2-Nitropropane	8.55			43	36656	49.27			
1	2-Chloroethyl Vinyl Ether	8.62			63	45030	10.32			
1	cis-1,3-Dichloropropene	8.85			75	168544	10.43			
1	4-Methyl-2-pentanone (MIBK)	9.32			58	401361	174.56			
1	Toluene	9.49			92	338500	9.41			
2	n-Octane	9.73			85	70411	8.90			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS13\DATA\040308\0403F003.D			**Instrument:**	MS13
Acqu Date:	04/03/2008 18:12	**Quant Date:**	04/03/2008 23:11	**Vial:**	3
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG0803131-2			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
2	trans-1,3-Dichloropropene	10.26			75	136254	10.42			
2	Ethyl Methacrylate	10.42			69	93828	9.78			
2	1,1,2-Trichloroethane	10.58			83	68564	9.75			
2	Tetrachloroethene (PCE)	10.55			164	101348	9.64			
2	2-Hexanone	11.08			57	135585	198.69			
2	1,3-Dichloropropane	10.87			76	155662	10.24			
2	Dibromochloromethane	11.18			129	75646	10.89			
2	1,2-Dibromoethane (EDB)	11.33			107	79471	10.50			
2	1-Chlorohexane	12.12			91	151808	9.52			
2	Chlorobenzene	12.09			112	382236	9.67			
2	Ethylbenzene	12.25			106	202536	10.12			
2	1,1,1,2-Tetrachloroethane	12.26			131	101381	10.53			
2	m,p-Xylenes	12.44			106	505679	20.34			
2	o-Xylene	12.99			106	241890	9.94			
2	Styrene	13.03			103	191013	10.35			
2	Bromoform	13.27			173	35173	10.19			
2	Isopropylbenzene	13.47			105	592152	9.85			
2	cis-1,4-Dichloro-2-butene	13.70			89	33315	40.55			
3	1,1,2,2-Tetrachloroethane	13.99			83	78468	10.30			
3	trans-1,4-Dichloro-2-butene	14.07			53	21188	9.93			
3	Bromobenzene	13.86			156	156598	10.24			
3	n-Propylbenzene	14.00			91	709389	9.84			
3	1,2,3-Trichloropropane	14.02			110	27797	9.87			
3	2-Chlorotoluene	14.10			91	462417	9.70			
3	1,3,5-Trimethylbenzene	14.23			105	505590	10.08			
3	4-Chlorotoluene	14.25			91	541266	10.09			
3	tert-Butylbenzene	14.59			119	415638	9.43			
3	1,2,4-Trimethylbenzene	14.67			105	509942	10.48			
3	sec-Butylbenzene	14.85			105	568560	9.64			
3	4-Isopropyltoluene	15.04			119	500267	9.81			
3	1,3-Dichlorobenzene	14.99			146	304937	9.91			
3	1,4-Dichlorobenzene	15.11			146	306121	9.53			
3	n-Butylbenzene	15.50			91	398449	10.22			
3	1,2-Dichlorobenzene	15.53			146	271107	9.69			
3	1,2-Dibromo-3-chloropropane	16.42			155	7944	10.07			
3	1,3,5-Trichlorobenzene	16.57			180	201628	10.16			
3	1,2,4-Trichlorobenzene	17.25			180	156814	9.65			
3	Hexachlorobutadiene	17.39			225	74842	9.11			
3	Naphthalene	17.52			128	222496	10.06			
3	1,2,3-Trichlorobenzene	17.77			180	118220	9.35			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

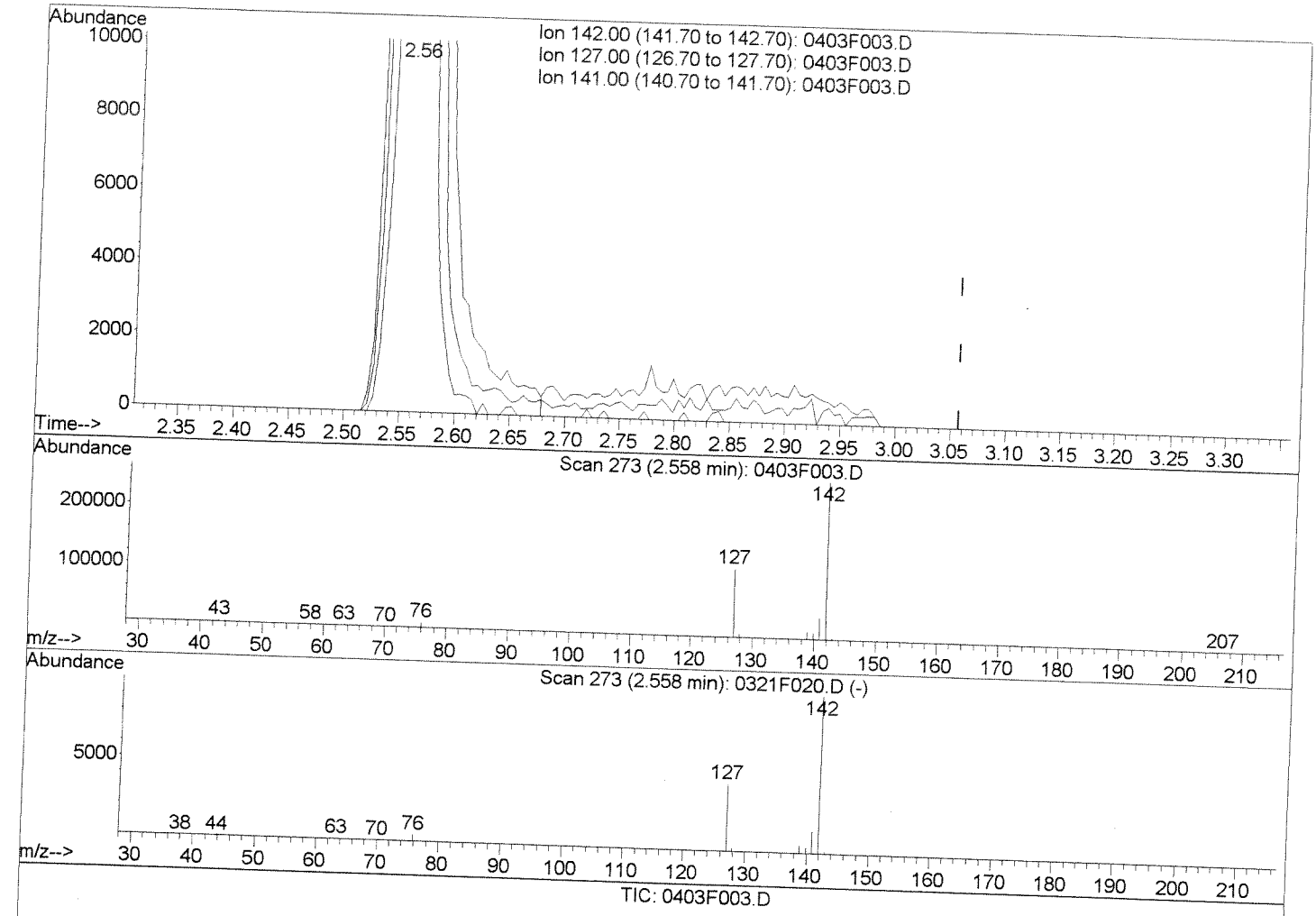
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\MS13\DATA\040308\0403F003.D
Acq On : 3 Apr 2008 6:12 pm
Sample : 8260 CCV W
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 23:10 2008

Vial: 3
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration



(14) Iodomethane (T)

2.56min 36.47PPB

response 442775

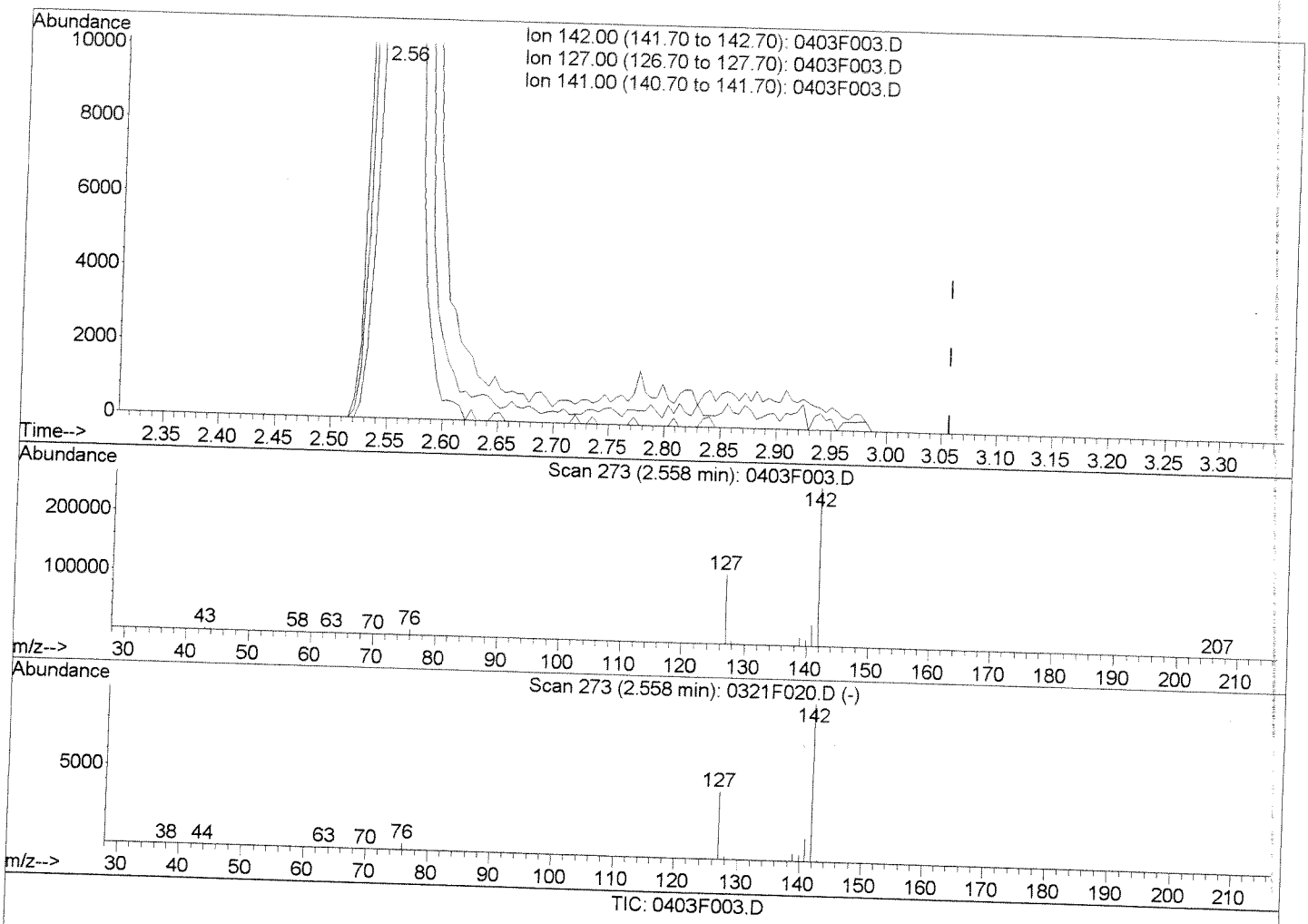
Ion	Exp%	Act%
142.00	100	100
127.00	43.00	43.96
141.00	14.30	13.50
0.00	0.00	0.00

Data File : J:\MS13\DATA\040308\0403F003.D
Acq On : 3 Apr 2008 6:12 pm
Sample : 8260 CCV W
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 23:11 2008

Vial: 3
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Multiple Level Calibration



(14) Iodomethane (T)

2.56min 37.55PPB m

response 455986

Ion	Exp%	Act%
142.00	100	100
127.00	43.00	43.96
141.00	14.30	13.50
0.00	0.00	0.00

Peak tailing
LB 4/4/08

HC 040708

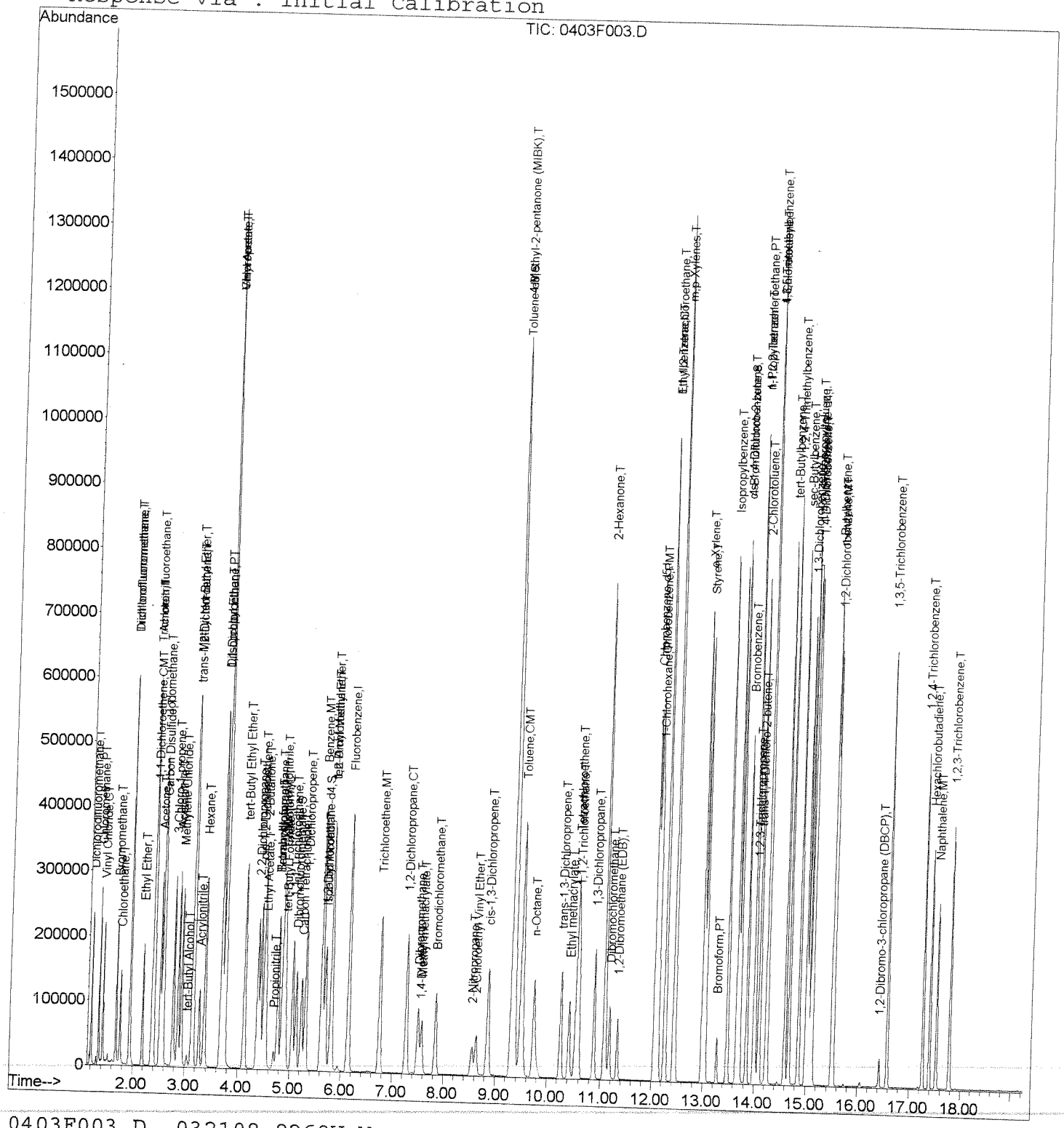
0403F003.D 032108_8260W.M Thu Apr 03 23:11:08 2008

Data File : J:\MS13\DATA\040308\0403F003.D
Acq On : 3 Apr 2008 6:12 pm
Sample : 8260 CCV W
Misc :
MS Integration Params: rteint.p
Quant Time: Apr 3 23:11 2008

Vial: 3
Operator:
Inst : MS13
Multiplr: 1.00

Quant Results File: 032108_8260W

Method : J:\MS13\METHODS\032108_8260W.M (RTE Integrator)
Title : VOA MS13 EPA Method 8260B
Last Update : Sat Mar 22 19:54:24 2008
Response via : Initial Calibration



Organic Analysis:
Volatile Organic Compounds

Validation Package

Sample Prep and Screen Data

Date: 412108

Columbia Analytical Services, Inc.

Injection Log

MS13 - Agilent 5973

By: KB

IS/SS Std. ID: 48VOA-9CF

CCV Std ID: 49VOA-7A, 48VOA-92E

LCS/ICV Std ID: 49VOA-4C, 7B, 5B, 9D, 8C, 5A

MS/DMS Std. ID: See LCS

Tune File: BFB1-4

New Tune: NO

111035

ICAL Date: 3/21/08 CAL7180

Second RV: HC 040408

LIMS ID: KWG0803084/3087

	Sample Name	File Name	Method	Dilution	pH	R	Comments
1	primer	0402F001	8260WF				
2	50ng BFB	2		5uL/50mL			359 PM 48VOA-89C
3	8260 CCV W	3		10uL+5uL/50mL			
4	0402 LCS W	4					10uL+5uL+7.5uL+5uL+5uL+5uL/50mL
5	0402 DLCS W	5					↓
6	2593-18MS	6			<2		Spike 5uL+40uL+4uL+4uL+4uL+4uL/40mL
7	↓ 18DMS	7			↓		↓
8	1B	8					
9	MFL CHK	9		1.25uL/50mL			Acetonitrile 48VOA-7A
10	0402 MB W	10					
11	2607-1	11			<2		TBID: 37207
12	↓ 2	12					
13	2637-1	13					
14	2	14					
15	3	15					KB 412108 ~~TBID: 37199~~
16	2810-1	16			7		
17	2	17			7		
18	3	18			<2		TBID: 37199
19	2593-18	19					
20	19	20					
21	20	21					
22	21	22					
23	22	23					
24	2680-20	24					
25	21	25					
26	22	26					
27	23	27					342 AM

Date: 4/3/08

By: KB

IS/SS Std. ID: 48V0A-9CE

CCV Std ID: 49V0A-7A, 48V0A-92E

LCS/ICV Std ID: 49V0A-9E, 7B, 5B, 9D, 8C, 5A

MS/DMS Std. ID: SEE LCS

Columbia Analytical Services, Inc.

Injection Log

MS13 - Agilent 5973

Tune File: BFB1.U

New Tune: NO

111144

ICAL Date: 3/21/08 CAL7189

Second RV: JR 4.0708

LIMS ID: LWG080331/31325

	Sample Name	File Name	Method	Dilution	pH	R	Comments
1	primer	0403F001	8260W5				
2	50ng BFB	2		5uL/50mL			534 pm 48V0A-89C
3	8260 CCV W	3		10uL+5uL/50mL		✓	
4	0403 LCS W	4				✓	10uL+5uL+7.5uL+5uL+5uL+5uL/50m
5	2870-3MS	5			7	✓	SPIKE: 8uL+40uL+4uL+4uL+4uL+4uL/40m
6	↓ 3DMS	6			7	✓	↓
7	1B	7				✓	
8	0403 MB W	8				✓	
9	"MISTY 032708" STORAGE BLANK	9				✓	
10	2700-1	10			<2	✓	
11	2637-1DIL	11		10mL/50mL 5X		✓	
12	↓ 2DIL	12		↓		✓	
13	↓ 3R	13				✓	
14	2814-1	14			7	✓	
15	↓ 3	15			7	✓	
16	↓ 4	16			<2	✓	TB ID: 37200
17	2870-1	17			7	✓	
18	↓ 2	18				✓	
19	↓ 3	19				✓	
20	↓ 4	20			<2	✓	TB ID: 37201
21	2677-1	21				✓	
22	↓ 2	22				✓	
23	↓ 3	23				✓	
24	↓ 4	24				✓	TB ID: 37192
25	2700-1DIL	25		5mL/50mL 10X		✓	
26	↓ 2	26			7	✓	
27	2683-5	↓ 27	↓		<2	✓	522 AM

1,4-Dioxane by GC/MS

Organic Analysis:
1,4-Dioxane by GC/MS

Summary Package

Sample and QC Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Service Request: K0802637

Cover Page - Organic Analysis Data Package
1,4-Dioxane by GC/MS

Sample Name	Lab Code	Date Collected	Date Received
KEP-GW-011A-003	K0802637-001	03/24/2008	03/27/2008
Duplicate 1	K0802637-002	03/24/2008	03/27/2008
KEP-GW-010A-003	K0802637-003	03/24/2008	03/27/2008

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: Carl Dogra

Date: 4/10/08 Title: Sun Supervisor

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	03/24/2008
Sample Matrix:	Water	**Date Received:**	03/27/2008

1,4-Dioxane by GC/MS

Sample Name:	KEP-GW-011A-003	**Units:**	ug/L
Lab Code:	K0802637-001	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	**10**		0.50	0.260	1	03/31/08	04/08/08	KWG0802930	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	68	55-100	04/08/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	03/24/2008
Sample Matrix:	Water	**Date Received:**	03/27/2008

1,4-Dioxane by GC/MS

Sample Name:	Duplicate 1	**Units:**	ug/L
Lab Code:	K0802637-002	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	**9.1**		0.50	0.260	1	03/31/08	04/08/08	KWG0802930	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	56	55-100	04/08/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	03/24/2008
Sample Matrix:	Water	**Date Received:**	03/27/2008

1,4-Dioxane by GC/MS

Sample Name:	KEP-GW-010A-003	**Units:**	ug/L
Lab Code:	K0802637-003	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	**3.3**		0.50	0.260	1	03/31/08	04/09/08	KWG0802930	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	64	55-100	04/09/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

1,4-Dioxane by GC/MS

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG0802930-3	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	ND	U	0.50	0.260	1	03/31/08	04/08/08	KWG0802930	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	61	55-100	04/08/08	Acceptable

Comments:

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637

Surrogate Recovery Summary
1,4-Dioxane by GC/MS

Extraction Method: EPA 3510C
Analysis Method: 8270C SIM

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1
KEP-GW-011A-003	K0802637-001	68
Duplicate 1	K0802637-002	56
KEP-GW-010A-003	K0802637-003	64
Method Blank	KWG0802930-3	61
Lab Control Sample	KWG0802930-1	63
Duplicate Lab Control Sample	KWG0802930-2	62

Surrogate Recovery Control Limits (%)

Sur1 = 1,4-Dioxane-d8	55-100

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Analyzed:**	04/08/2008
		Time Analyzed:	20:17

Internal Standard Area and RT Summary
1,4-Dioxane by GC/MS

File ID:	J:\MS20\DATA\040808\0408F010.D	**Lab Code:**	KWG0803239-2
Instrument ID:	MS20	**Analysis Lot:**	KWG0803239
Analysis Method:	8270C SIM		

		1,4-Dichlorobenzene-d4	
		Area	**RT**
	Results ==>	67,535	8.40
	Upper Limit ==>	135,070	8.90
	Lower Limit ==>	33,768	7.90
	ICAL Result ==>	85,840	8.43
Associated Analyses			
Method Blank	KWG0802930-3	82,173	8.40
Lab Control Sample	KWG0802930-1	82,952	8.42
Duplicate Lab Control Sample	KWG0802930-2	83,906	8.39
KEP-GW-011A-003	K0802637-001	81,258	8.39
Duplicate 1	K0802637-002	88,559	8.43
KEP-GW-010A-003	K0802637-003	85,575	8.40

Results flagged with an asterisk (*) indicate values outside control criteria.

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Extracted:**	03/31/2008
Sample Matrix:	Water	**Date Analyzed:**	04/08/2008

Lab Control Spike/Duplicate Lab Control Spike Summary
1,4-Dioxane by GC/MS

Extraction Method:	EPA 3510C	**Units:**	ug/L
Analysis Method:	8270C SIM	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG0802930

	Lab Control Sample KWG0802930-1 Lab Control Spike			Duplicate Lab Control Sample KWG0802930-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	17.8	25.0	71	17.2	25.0	69	56-107	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

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

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Extracted:**	03/31/2008
Sample Matrix:	Water	**Date Analyzed:**	04/08/2008
		Time Analyzed:	22:31

Method Blank Summary
1,4-Dioxane by GC/MS

Sample Name:	Method Blank	**File ID:**	J:\MS20\DATA\040808\0408F017.D
Lab Code:	KWG0802930-3	**Instrument ID:**	MS20
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM	**Extraction Lot:**	KWG0802930

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0802930-1	J:\MS20\DATA\040808\0408F018.D	04/08/08	22:49
Duplicate Lab Control Sample	KWG0802930-2	J:\MS20\DATA\040808\0408F019.D	04/08/08	23:08
KEP-GW-011A-003	K0802637-001	J:\MS20\DATA\040808\0408F020.D	04/08/08	23:28
Duplicate 1	K0802637-002	J:\MS20\DATA\040808\0408F021.D	04/08/08	23:46
KEP-GW-010A-003	K0802637-003	J:\MS20\DATA\040808\0408F022.D	04/09/08	00:05

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637

Lab Control Sample/Duplicate Lab Control Sample Summary
1,4-Dioxane by GC/MS

Sample Name:	Lab Control Sample	**Sample Name:**	Duplicate Lab Control Sample
Lab Code:	KWG0802930-1	**Lab Code:**	KWG0802930-2
File ID:	J:\MS20\DATA\040808\0408F018.D	**File ID:**	J:\MS20\DATA\040808\0408F019.D
Instrument ID:	MS20	**Instrument ID:**	MS20
Date Extracted:	03/31/2008	**Date Extracted:**	03/31/2008
Date Analyzed:	04/08/2008	**Date Analyzed:**	04/08/2008
Time Analyzed:	22:49	**Time Analyzed:**	23:08

Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM	**Extraction Lot:**	KWG0802930

These Lab Control Samples apply to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG0802930-3	J:\MS20\DATA\040808\0408F017.D	04/08/08	22:31
KEP-GW-011A-003	K0802637-001	J:\MS20\DATA\040808\0408F020.D	04/08/08	23:28
Duplicate 1	K0802637-002	J:\MS20\DATA\040808\0408F021.D	04/08/08	23:46
KEP-GW-010A-003	K0802637-003	J:\MS20\DATA\040808\0408F022.D	04/09/08	00:05

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/08/2008
Time Analyzed: 17:20

Tune Summary
1,4-Dioxane by GC/MS

File ID: J:\MS20\DATA\040808\0408F001.D
Instrument ID: MS20
Column:

Analysis Method: 8270C SIM
Analysis Lot: KWG0803239

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	24.8	216194	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	32.3	280866	PASS
70	69	0	2	0.8	2336	PASS
127	198	10	80	43.3	376622	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	49.1	870698	PASS
199	198	5	9	7.0	61098	PASS
275	198	10	60	30.6	266496	PASS
365	442	1	50	2.1	37173	PASS
441	443	0	100	86.0	323477	PASS
442	442	100	100	100.0	1772885	PASS
443	442	15	24	21.2	375936	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG0803239-2	J:\MS20\DATA\040808\0408F010.D	04/08/2008	20:17	
Method Blank	KWG0802930-3	J:\MS20\DATA\040808\0408F017.D	04/08/2008	22:31	
Lab Control Sample	KWG0802930-1	J:\MS20\DATA\040808\0408F018.D	04/08/2008	22:49	
Duplicate Lab Control Sample	KWG0802930-2	J:\MS20\DATA\040808\0408F019.D	04/08/2008	23:08	
KEP-GW-011A-003	K0802637-001	J:\MS20\DATA\040808\0408F020.D	04/08/2008	23:28	
Duplicate 1	K0802637-002	J:\MS20\DATA\040808\0408F021.D	04/08/2008	23:46	
KEP-GW-010A-003	K0802637-003	J:\MS20\DATA\040808\0408F022.D	04/09/2008	00:05	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 04/08/2008

Initial Calibration Summary
1,4-Dioxane by GC/MS

Calibration ID: CAL7233
Instrument ID: MS20

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS20\DATA\040808\0408F003.D	E	J:\MS20\DATA\040808\0408F007.D
B	J:\MS20\DATA\040808\0408F004.D	F	J:\MS20\DATA\040808\0408F008.D
C	J:\MS20\DATA\040808\0408F005.D	G	J:\MS20\DATA\040808\0408F009.D
D	J:\MS20\DATA\040808\0408F006.D		

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
1,4-Dioxane	A	2.0	0.544	B	5.0	0.532	C	10	0.517	D	50	0.484	E	100	0.480
	F	250	0.503	G	500	0.502									
1,4-Dioxane-d8	A	2.0	0.420	B	5.0	0.439	C	10	0.431	D	50	0.401	E	100	0.393
	F	250	0.413	G	500	0.412									

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 04/08/2008

Initial Calibration Summary
1,4-Dioxane by GC/MS

Calibration ID: CAL7233
Instrument ID: MS20

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
1,4-Dioxane	MS	AverageRF	% RSD	4.6		≤ 15	0.509		0.01
1,4-Dioxane-d8	SURR	AverageRF	% RSD	3.9		≤ 15	0.416		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 04/08/2008
Date Analyzed: 04/08/2008

Second Source Calibration Verification
1,4-Dioxane by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C SIM

Calibration ID: CAL7233
Units: ng/ml

File ID: J:\MS20\DATA\040808\0408F010.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
1,4-Dioxane	50	47	0.509	0.475	-7	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/08/2008

Continuing Calibration Verification Summary
1,4-Dioxane by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C SIM

Calibration Date: 04/08/2008
Calibration ID: CAL7233
Analysis Lot: KWG0803239
Units: ng/ml

File ID: J:\MS20\DATA\040808\0408F010.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
1,4-Dioxane	50	47	0.01	0.509	0.475	-7	NA	± 20 %	AverageRF
1,4-Dioxane-d8	50	49	0.01	0.416	0.406	-2	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637

Analysis Run Log
1,4-Dioxane by GC/MS

Analysis Method: 8270C SIM

Analysis Lot: KWG0803239
Instrument ID: MS20

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0408F001.D	GC/MS Tuning - Decafluorotripheny	KWG0803239-1	4/8/2008	17:20		4/8/2008	17:34
0408F010.D	Continuing Calibration Verification	KWG0803239-2	4/8/2008	20:17		4/8/2008	20:29
0408F011.D	ZZZZZZ	ZZZZZZ	4/8/2008	20:35		4/8/2008	20:47
0408F012.D	ZZZZZZ	ZZZZZZ	4/8/2008	20:55		4/8/2008	21:07
0408F013.D	ZZZZZZ	ZZZZZZ	4/8/2008	21:14		4/8/2008	21:26
0408F014.D	ZZZZZZ	ZZZZZZ	4/8/2008	21:34		4/8/2008	21:46
0408F015.D	ZZZZZZ	ZZZZZZ	4/8/2008	21:53		4/8/2008	22:05
0408F016.D	ZZZZZZ	ZZZZZZ	4/8/2008	22:12		4/8/2008	22:24
0408F017.D	Method Blank	KWG0802930-3	4/8/2008	22:31		4/8/2008	22:43
0408F018.D	Lab Control Sample	KWG0802930-1	4/8/2008	22:49		4/8/2008	23:01
0408F019.D	Duplicate Lab Control Sample	KWG0802930-2	4/8/2008	23:08		4/8/2008	23:20
0408F020.D	KEP-GW-011A-003	K0802637-001	4/8/2008	23:28		4/8/2008	23:40
0408F021.D	Duplicate 1	K0802637-002	4/8/2008	23:46		4/8/2008	23:58
0408F022.D	KEP-GW-010A-003	K0802637-003	4/9/2008	00:05		4/9/2008	00:17

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637
Date Extracted: 03/31/2008

Extraction Prep Log
1,4-Dioxane by GC/MS

Extraction Method: EPA 3510C
Analysis Method: 8270C SIM

Extraction Lot: KWG0802930
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
KEP-GW-011A-003	K0802637-001	03/24/08	03/27/08	100ml	25ml	NA	
Duplicate 1	K0802637-002	03/24/08	03/27/08	100ml	25ml	NA	
KEP-GW-010A-003	K0802637-003	03/24/08	03/27/08	100ml	25ml	NA	
Method Blank	KWG0802930-3	NA	NA	100ml	25ml	NA	
Lab Control Sample	KWG0802930-1	NA	NA	100ml	25ml	NA	
Duplicate Lab Control Sample	KWG0802930-2	NA	NA	100ml	25ml	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Organic Analysis:
1,4-Dioxane by GC/MS

Validation Package

Organic Analysis:
1,4-Dioxane by GC/MS

Validation Package

QC Reports

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637

Surrogate Recovery Summary
1,4-Dioxane by GC/MS

Extraction Method: EPA 3510C
Analysis Method: 8270C SIM

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1
KEP-GW-011A-003	K0802637-001	68
Duplicate 1	K0802637-002	56
KEP-GW-010A-003	K0802637-003	64
Method Blank	KWG0802930-3	61
Lab Control Sample	KWG0802930-1	63
Duplicate Lab Control Sample	KWG0802930-2	62

Surrogate Recovery Control Limits (%)

Sur1 = 1,4-Dioxane-d8	55-100

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Analyzed:**	04/08/2008
		Time Analyzed:	20:17

Internal Standard Area and RT Summary
1,4-Dioxane by GC/MS

File ID:	J:\MS20\DATA\040808\0408F010.D	**Lab Code:**	KWG0803239-2
Instrument ID:	MS20	**Analysis Lot:**	KWG0803239
Analysis Method:	8270C SIM		

		1,4-Dichlorobenzene-d4	
		Area	**RT**
	Results ==>	67,535	8.40
	Upper Limit ==>	135,070	8.90
	Lower Limit ==>	33,768	7.90
	ICAL Result ==>	85,840	8.43
Associated Analyses			
Method Blank	KWG0802930-3	82,173	8.40
Lab Control Sample	KWG0802930-1	82,952	8.42
Duplicate Lab Control Sample	KWG0802930-2	83,906	8.39
KEP-GW-011A-003	K0802637-001	81,258	8.39
Duplicate 1	K0802637-002	88,559	8.43
KEP-GW-010A-003	K0802637-003	85,575	8.40

Results flagged with an asterisk (*) indicate values outside control criteria.

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Extracted:**	03/31/2008
Sample Matrix:	Water	**Date Analyzed:**	04/08/2008

Lab Control Spike/Duplicate Lab Control Spike Summary
1,4-Dioxane by GC/MS

Extraction Method:	EPA 3510C	**Units:**	ug/L
Analysis Method:	8270C SIM	**Basis:**	NA
		Level:	Low
		Extraction Lot:	KWG0802930

	Lab Control Sample KWG0802930-1 Lab Control Spike			Duplicate Lab Control Sample KWG0802930-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	17.8	25.0	71	17.2	25.0	69	56-107	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

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

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Extracted:**	03/31/2008
Sample Matrix:	Water	**Date Analyzed:**	04/08/2008
		Time Analyzed:	22:31

Method Blank Summary
1,4-Dioxane by GC/MS

Sample Name:	Method Blank	**File ID:**	J:\MS20\DATA\040808\0408F017.D
Lab Code:	KWG0802930-3	**Instrument ID:**	MS20
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM	**Extraction Lot:**	KWG0802930

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0802930-1	J:\MS20\DATA\040808\0408F018.D	04/08/08	22:49
Duplicate Lab Control Sample	KWG0802930-2	J:\MS20\DATA\040808\0408F019.D	04/08/08	23:08
KEP-GW-011A-003	K0802637-001	J:\MS20\DATA\040808\0408F020.D	04/08/08	23:28
Duplicate 1	K0802637-002	J:\MS20\DATA\040808\0408F021.D	04/08/08	23:46
KEP-GW-010A-003	K0802637-003	J:\MS20\DATA\040808\0408F022.D	04/09/08	00:05

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric
Sample Matrix: Water

Service Request: K0802637

Lab Control Sample/Duplicate Lab Control Sample Summary
1,4-Dioxane by GC/MS

Sample Name:	Lab Control Sample	**Sample Name:**	Duplicate Lab Control Sample
Lab Code:	KWG0802930-1	**Lab Code:**	KWG0802930-2
File ID:	J:\MS20\DATA\040808\0408F018.D	**File ID:**	J:\MS20\DATA\040808\0408F019.D
Instrument ID:	MS20	**Instrument ID:**	MS20
Date Extracted:	03/31/2008	**Date Extracted:**	03/31/2008
Date Analyzed:	04/08/2008	**Date Analyzed:**	04/08/2008
Time Analyzed:	22:49	**Time Analyzed:**	23:08

Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM	**Extraction Lot:**	KWG0802930

These Lab Control Samples apply to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG0802930-3	J:\MS20\DATA\040808\0408F017.D	04/08/08	22:31
KEP-GW-011A-003	K0802637-001	J:\MS20\DATA\040808\0408F020.D	04/08/08	23:28
Duplicate 1	K0802637-002	J:\MS20\DATA\040808\0408F021.D	04/08/08	23:46
KEP-GW-010A-003	K0802637-003	J:\MS20\DATA\040808\0408F022.D	04/09/08	00:05

Organic Analysis:
1,4-Dioxane by GC/MS

Validation Package

Raw Data

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	03/24/2008
Sample Matrix:	Water	**Date Received:**	03/27/2008

1,4-Dioxane by GC/MS

Sample Name:	KEP-GW-011A-003	**Units:**	ug/L
Lab Code:	K0802637-001	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	**10**		0.50	0.260	1	03/31/08	04/08/08	KWG0802930	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	68	55-100	04/08/08	Acceptable

Comments:

Exception Report

Data File: J:\MS20\DATA\040808\0408F020.D
Lab ID: K0802637-001
RunType: SMPL
Matrix: WATER

Date Acquired: 04/08/2008 23:28
Date Quantitated: 04/09/2008 11:40
Batch ID: KWG0803239
Analysis Method: 8270C SIM
ListJoinID: LJ2865

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 4/9/8

Secondary Review: 4/9/08

Quantitation Report

Bottle ID:		**Tier:**	III	**Matrix:**	WATER
Prod Code:	8270C SIM 14_DI	**Collect Date:**	03/24/2008	**Receive Date:**	03/27/2008

Analysis Lot:	KWG0803239	**Prep Lot:**	KWG0802930	**Report Group:**	K0802637
Analysis Method:	8270C SIM	**Prep Method:**	EPA 3510C		
Prep Ref:	697734	**Prep Date:**	03/31/2008		

Quant Method:	J:\MS20\METHODS\0408DXNDMA.M	**Calibration ID:**	CAL7233
Title:	1,4-Dioxane by GC/MS	**Report List ID:**	LJ2865
Tune Ref:	J:\MS20\DATA\040808\0408F001.D	**Method ID:**	MJ402
MB Ref:	J:\MS20\DATA\040808\0408F017.D	**Quant based on Report List**	

Data File:	J:\MS20\DATA\040808\0408F020.D			**Instrument:**	MS20
Acqu Date:	04/08/2008 23:28	**Quant Date:**	04/09/2008 11:40	**Vial:**	20
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802637-001			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.39	-0.01?	152	81258**m**	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	1,4-Dioxane-d8	6.65	-0.02	0.00	96	45616**m**	67.54	68	55-100	OK	

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	1,4-Dioxane	6.66	-0.02	0.00	88	34540	41.77	10		

Prep Amount:	100 ml	**Dilution:**	1.0
Prep Final Vol:	25 ml	**Unit Factor:**	1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F020.D Vial: 20
Acq On : 8 Apr 2008 23:28 Operator: JGISH
Sample : K0802637-001 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 09 10:13:58 2008 Quant Results File: 0408DXNDMA.RES

Quant Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Initial Calibration
DataAcq Meth : DIOXNDMA

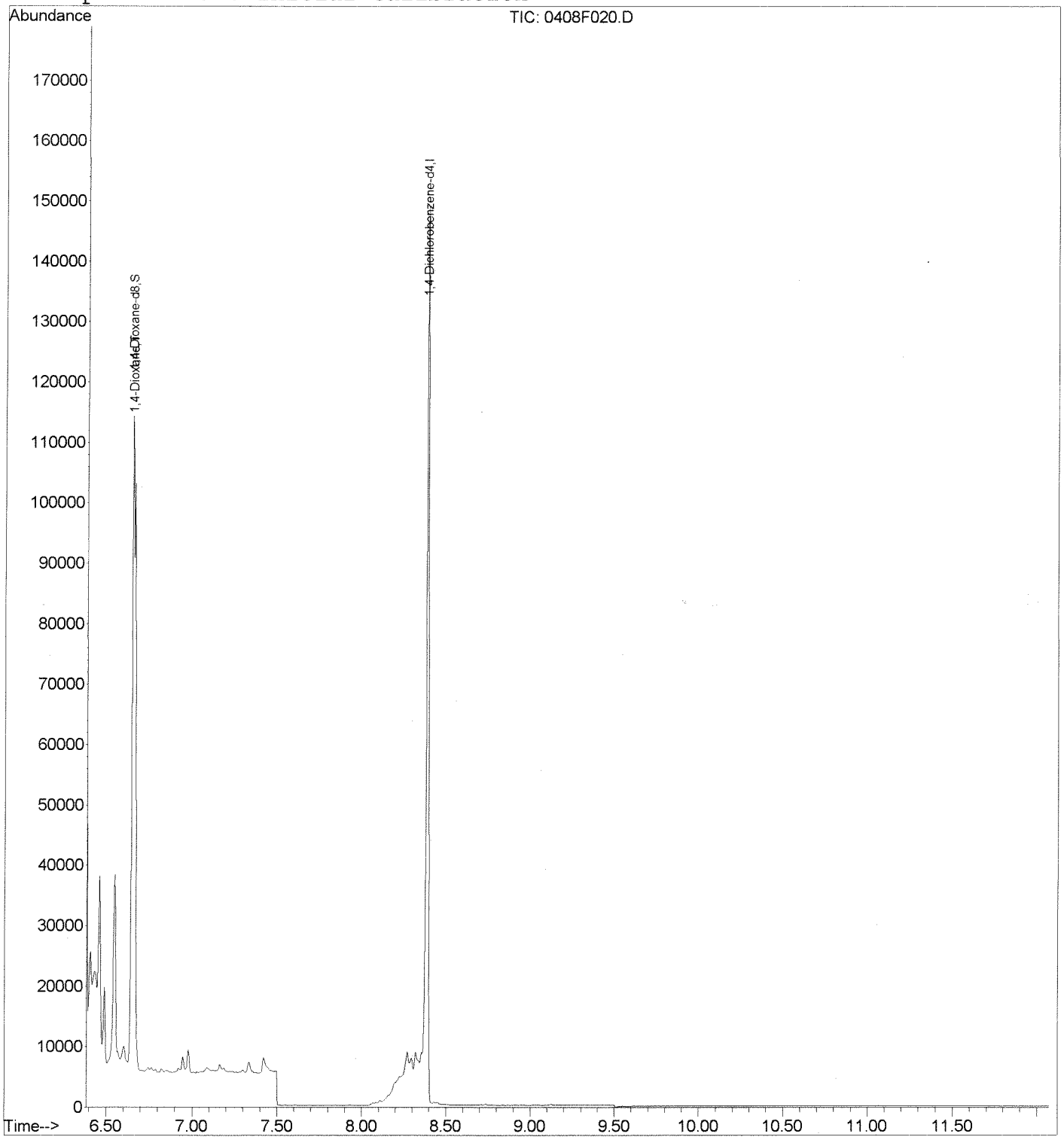
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.39	152	81258m	50.00	ng/ml	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.65	96	45616m	67.54	ng/ml	-0.04
Spiked Amount 50.000			Recovery =	135.08%		
5) NDMA-d6	0.00	80	0	0.00	ng/ml	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	6.66	88	34540	41.77	ng/ml	88

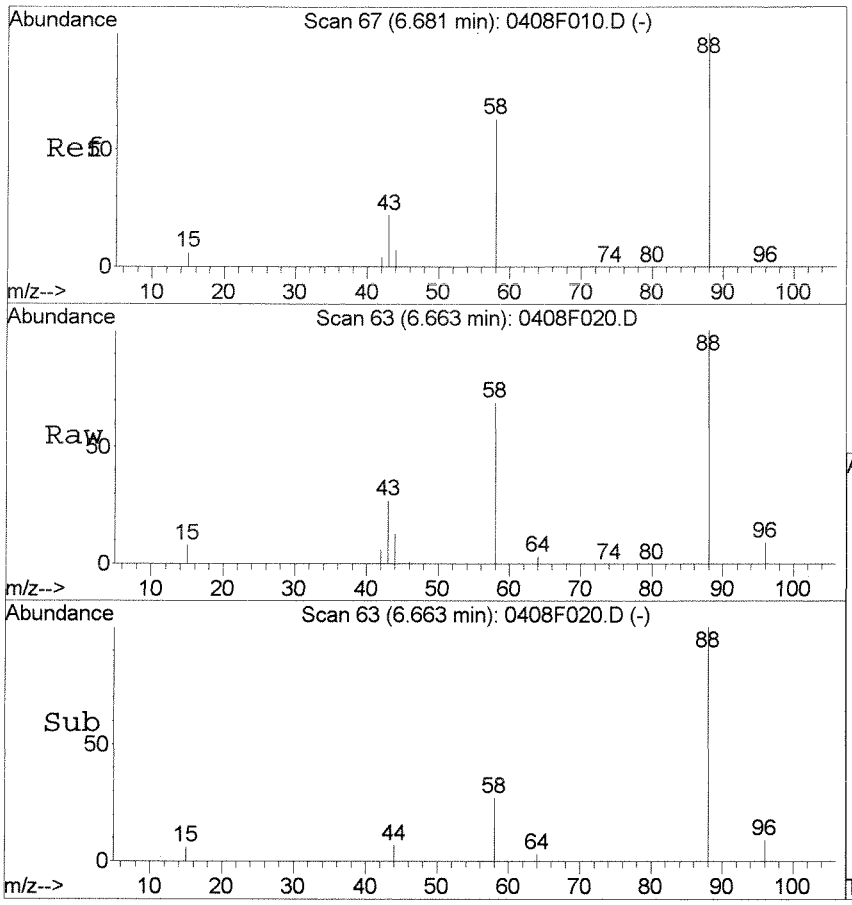
(#) = qualifier out of range (m) = manual integration
0408F020.D 0408DXNDMA.M Wed Apr 09 11:41:55 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F020.D Vial: 20
Acq On : 8 Apr 2008 23:28 Operator: JGISH
Sample : K0802637-001 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 11:40 2008 Quant Results File: 0408DXNDMA.R

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Initial Calibration

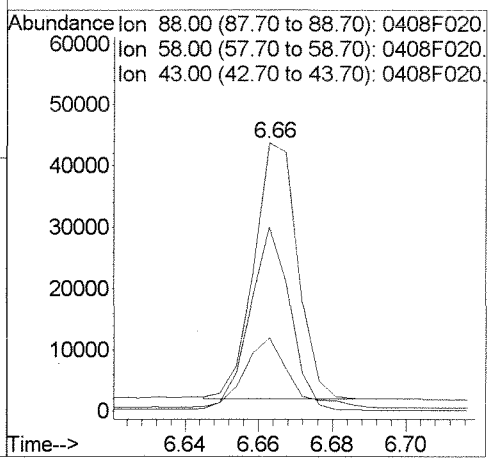




#2
1,4-Dioxane
Concen: 41.77 ng/ml
RT: 6.66 min Scan# 63
Delta R.T. -0.04 min
Lab File: 0408F020.D
Acq: 8 Apr 2008 23:28

Tgt Ion: 88 Resp: 34540

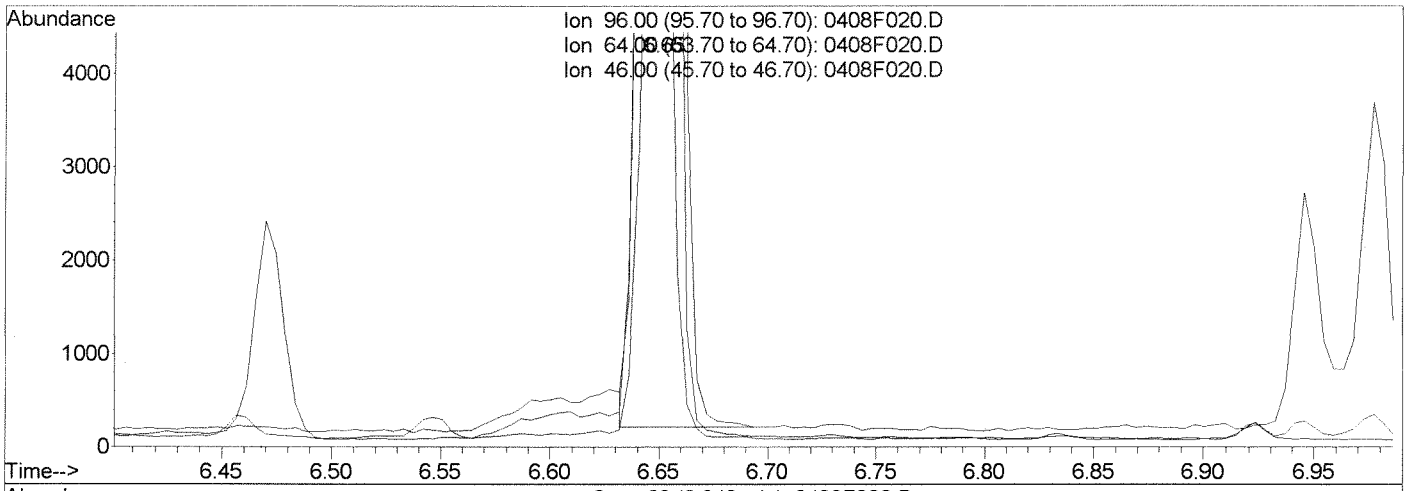
Ion	Ratio	Lower	Upper
88	100		
58	68.8	41.4	77.0
43	27.5	16.0	29.8

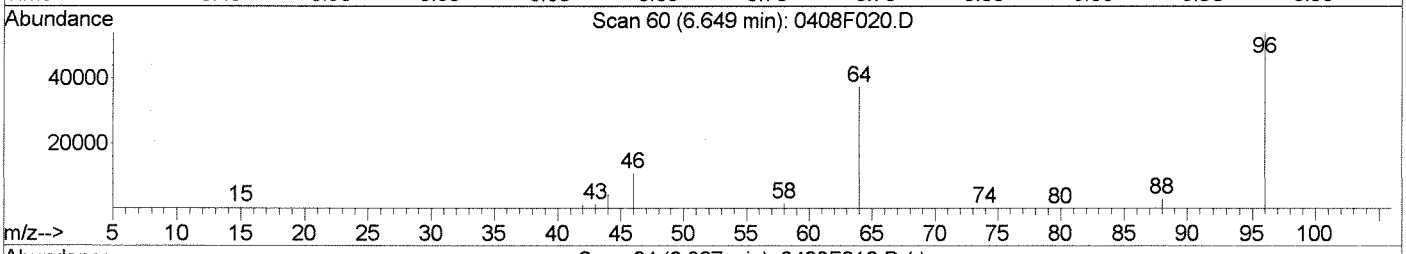


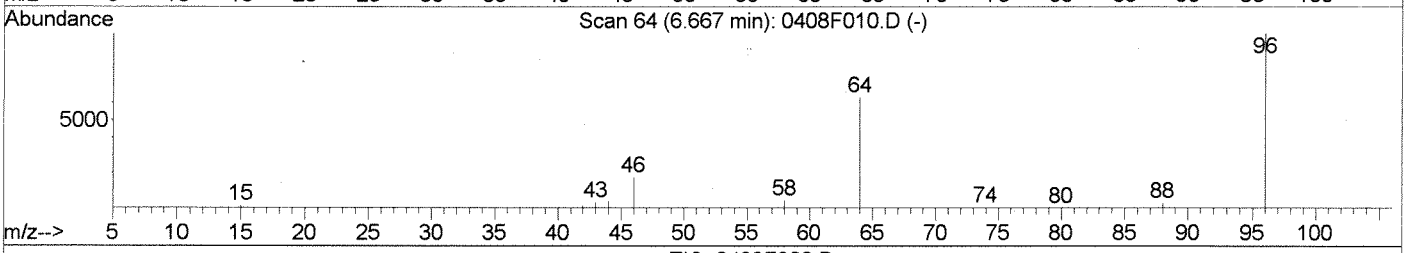
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F020.D Vial: 20
Acq On : 8 Apr 2008 23:28 Operator: JGISH
Sample : K0802637-001 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 10:19 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Multiple Level Calibration







TIC: 0408F020.D

(3) 1,4-Dioxane-d8 (S)

6.65min 65.52ng/ml

response 44254

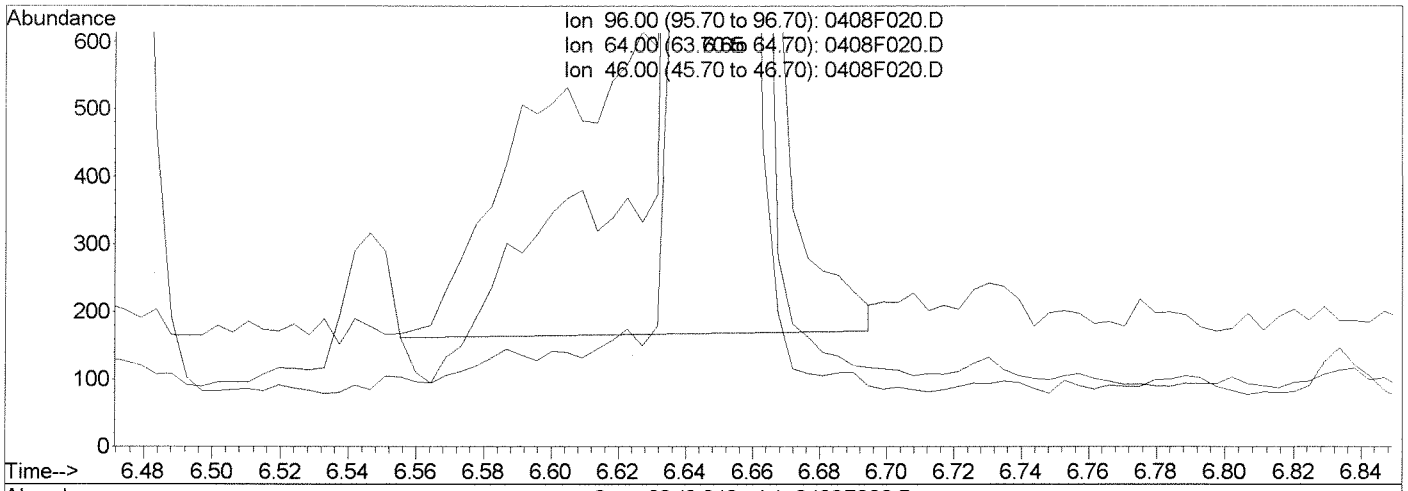
Ion	Exp%	Act%
96.00	100	100
64.00	60.90	68.95
46.00	16.70	19.87
0.00	0.00	0.00

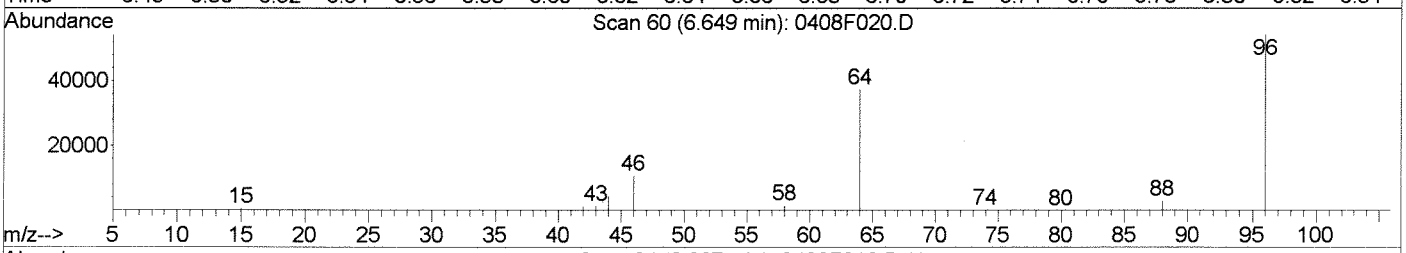
0408F020.D 0408DXNDMA.M Wed Apr 09 11:40:55 2008

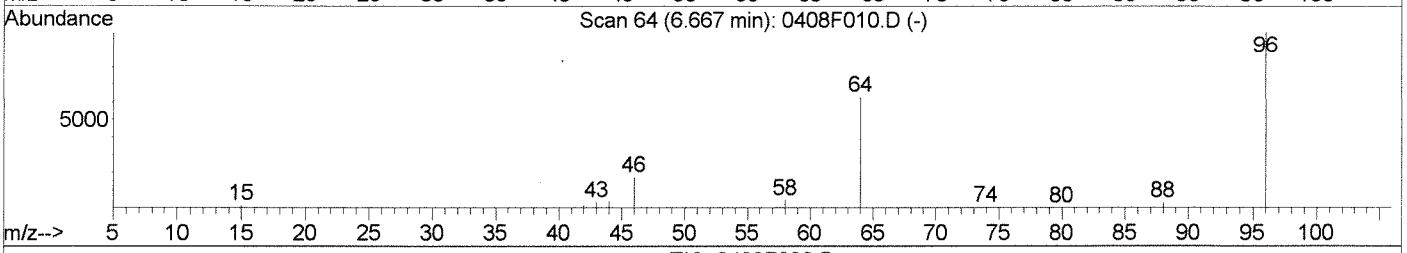
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F020.D Vial: 20
Acq On : 8 Apr 2008 23:28 Operator: JGISH
Sample : K0802637-001 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 11:40 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Multiple Level Calibration







TIC: 0408F020.D

(3) 1,4-Dioxane-d8 (S)

6.65min 67.54ng/ml m

response 45616

Ion	Exp%	Act%
96.00	100	100
64.00	60.90	68.95
46.00	16.70	19.87
0.00	0.00	0.00

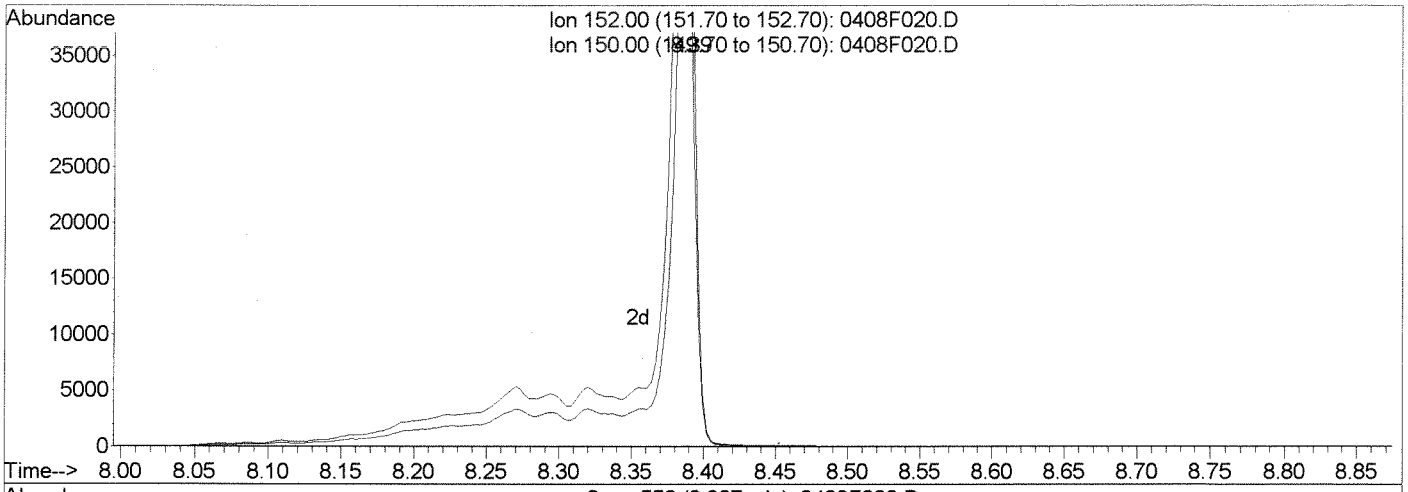
4/9/8 IC

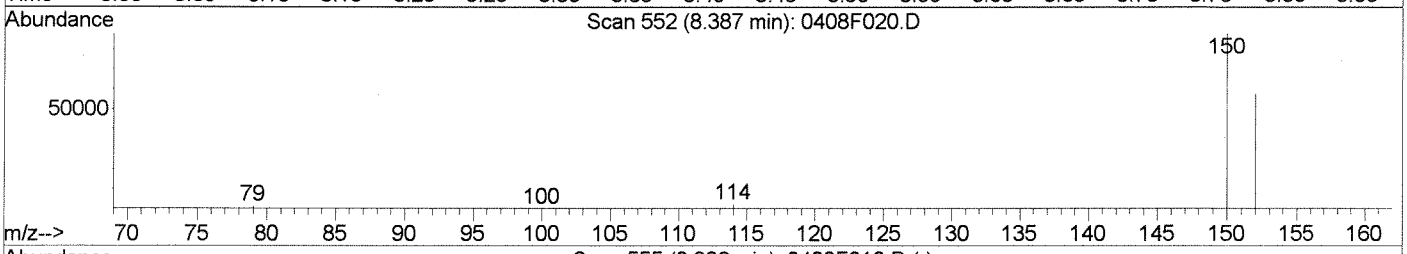
0408F020.D 0408DXNDMA.M Wed Apr 09 11:41:02 2008

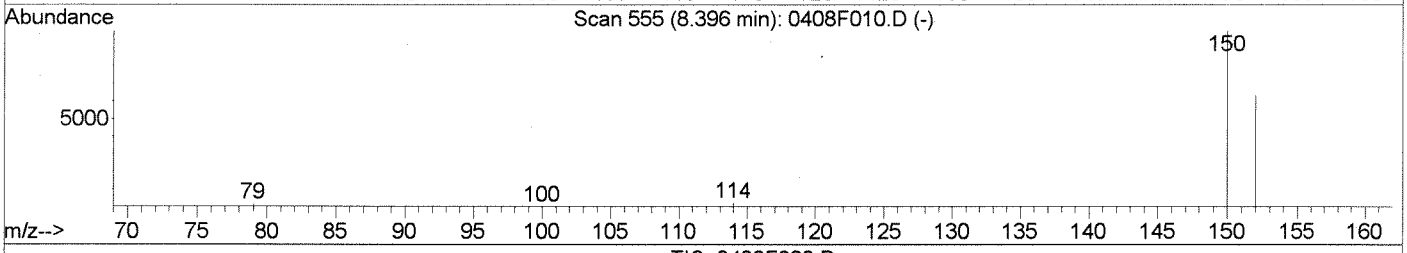
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F020.D Vial: 20
Acq On : 8 Apr 2008 23:28 Operator: JGISH
Sample : K0802637-001 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 10:18 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Multiple Level Calibration







TIC: 0408F020.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.39min 50.00ng/ml m

response 81258

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	152.62
0.00	0.00	0.00
0.00	0.00	0.00

4/9/8 IC

0408F020.D 0408DXNDMA.M Wed Apr 09 10:18:56 2008

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	03/24/2008
Sample Matrix:	Water	**Date Received:**	03/27/2008

1,4-Dioxane by GC/MS

Sample Name:	Duplicate 1	**Units:**	ug/L
Lab Code:	K0802637-002	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	**9.1**		0.50	0.260	1	03/31/08	04/08/08	KWG0802930	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	56	55-100	04/08/08	Acceptable

Comments:

Exception Report

Data File: J:\MS20\DATA\040808\0408F021.D
Lab ID: K0802637-002
RunType: SMPL
Matrix: WATER

Date Acquired: 04/08/2008 23:46
Date Quantitated: 04/09/2008 11:41
Batch ID: KWG0803239
Analysis Method: 8270C SIM
ListJoinID: LJ2865

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 4/9/08

Secondary Review: 4/9/08

Quantitation Report

Bottle ID:		**Tier:**	III	**Matrix:**	WATER
Prod Code:	8270C SIM 14_DI	**Collect Date:**	03/24/2008	**Receive Date:**	03/27/2008

Analysis Lot:	KWG0803239	**Prep Lot:**	KWG0802930	**Report Group:**	K0802637
Analysis Method:	8270C SIM	**Prep Method:**	EPA 3510C		
Prep Ref:	697735	**Prep Date:**	03/31/2008		

Quant Method:	J:\MS20\METHODS\0408DXNDMA.M	**Calibration ID:**	CAL7233
Title:	1,4-Dioxane by GC/MS	**Report List ID:**	LJ2865
Tune Ref:	J:\MS20\DATA\040808\0408F001.D	**Method ID:**	MJ402
MB Ref:	J:\MS20\DATA\040808\0408F017.D	**Quant based on Report List**	

Data File:	J:\MS20\DATA\040808\0408F021.D			**Instrument:**	MS20
Acqu Date:	04/08/2008 23:46	**Quant Date:**	04/09/2008 11:41	**Vial:**	21
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802637-002			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.43	0.03?	152	88559**m**	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	1,4-Dioxane-d8	6.69	0.02	0.00	96	41388**m**	56.23	56	55-100	OK

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	1,4-Dioxane	6.70	0.02	0.00	88	32732	36.32	9.1		

Prep Amount:	100 ml	**Dilution:**	1.0
Prep Final Vol:	25 ml	**Unit Factor:**	1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F021.D Vial: 21
Acq On : 8 Apr 2008 23:46 Operator: JGISH
Sample : K0802637-002 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 09 10:13:59 2008 Quant Results File: 0408DXNDMA.RES

Quant Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Initial Calibration
DataAcq Meth : DIOXNDMA

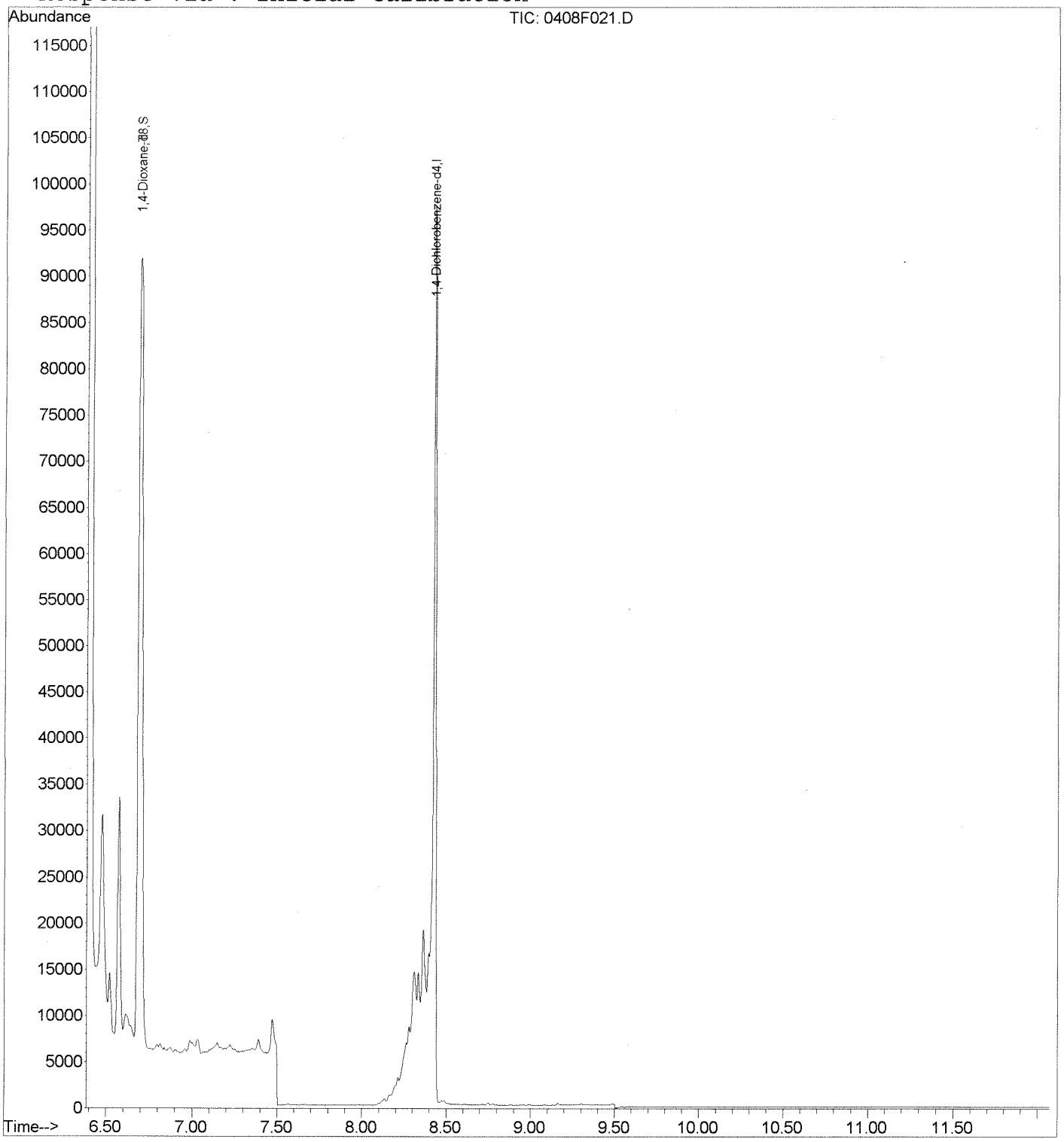
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	88559m	50.00	ng/ml	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.69	96	41388m	56.23	ng/ml	0.00
Spiked Amount 50.000			Recovery =	112.46%		
5) NDMA-d6	0.00	80	0	0.00	ng/ml	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	6.70	88	32732	36.32	ng/ml	92

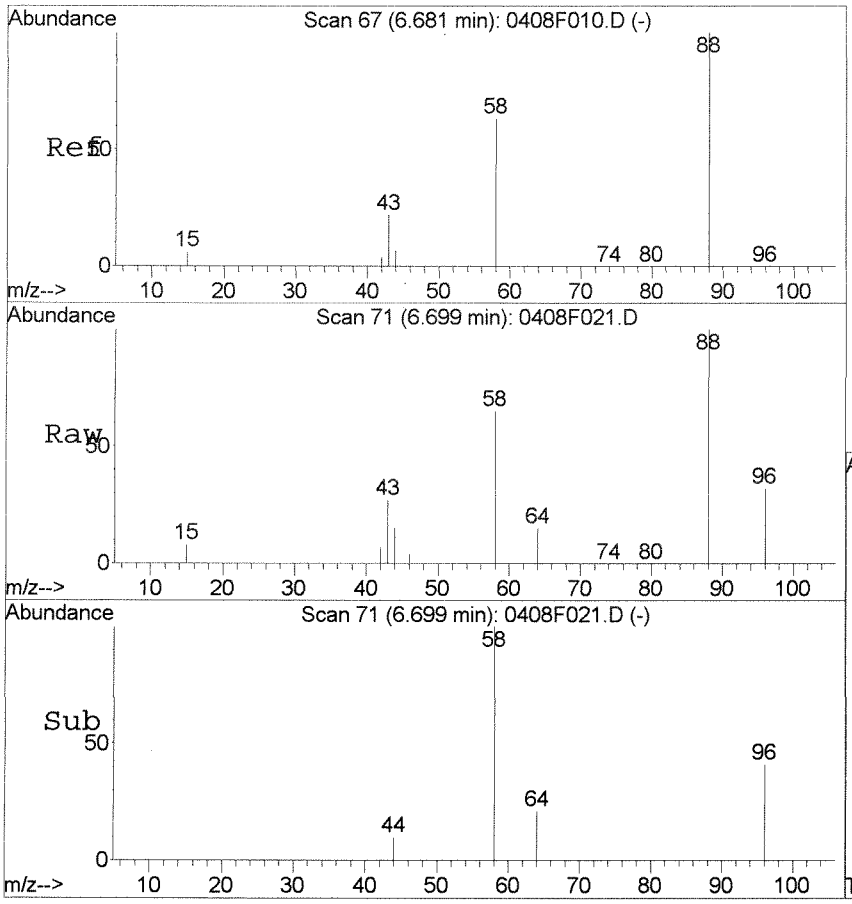
(#) = qualifier out of range (m) = manual integration
0408F021.D 0408DXNDMA.M Wed Apr 09 11:41:57 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F021.D Vial: 21
Acq On : 8 Apr 2008 23:46 Operator: JGISH
Sample : K0802637-002 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 11:41 2008 Quant Results File: 0408DXNDMA.R

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Initial Calibration

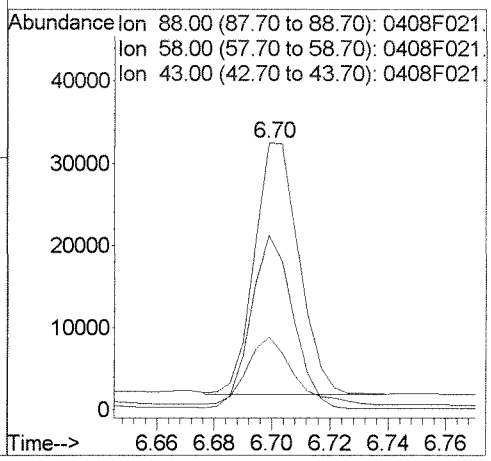




#2
1,4-Dioxane
Concen: 36.32 ng/ml
RT: 6.70 min Scan# 71
Delta R.T. -0.00 min
Lab File: 0408F021.D
Acq: 8 Apr 2008 23:46

Tgt Ion: 88 Resp: 32732

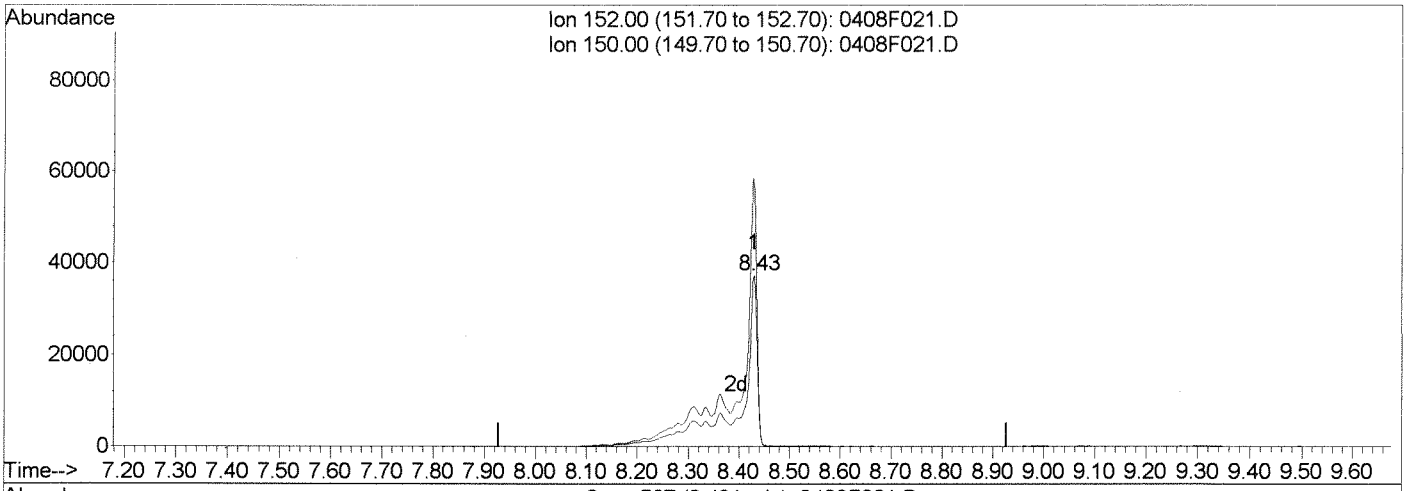
Ion	Ratio	Lower	Upper
88	100		
58	65.4	41.4	77.0
43	27.2	16.0	29.8

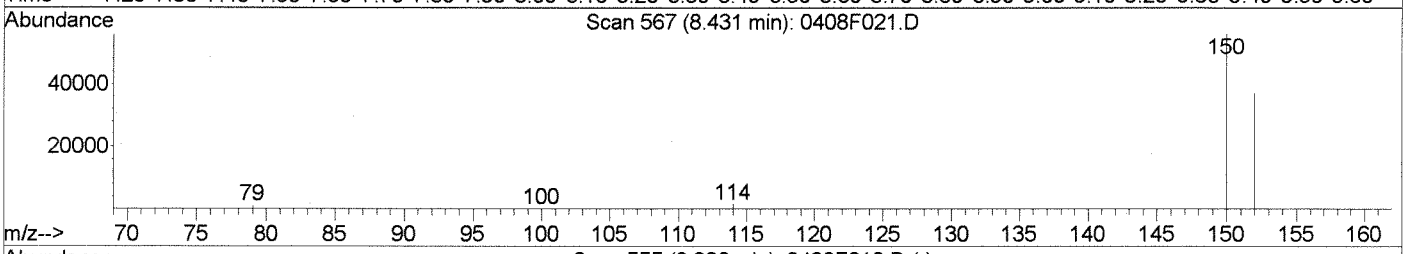


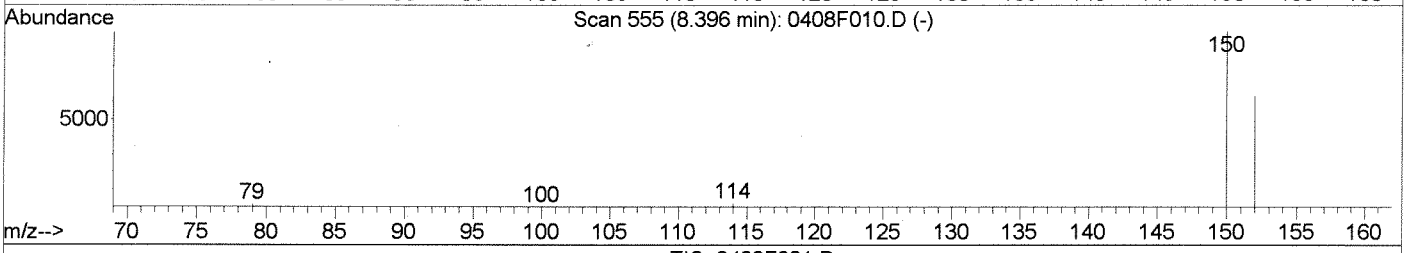
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F021.D Vial: 21
Acq On : 8 Apr 2008 23:46 Operator: JGISH
Sample : K0802637-002 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 10:19 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Multiple Level Calibration







TIC: 0408F021.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.43min 50.00ng/ml m

response 88559

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	150.70
0.00	0.00	0.00
0.00	0.00	0.00

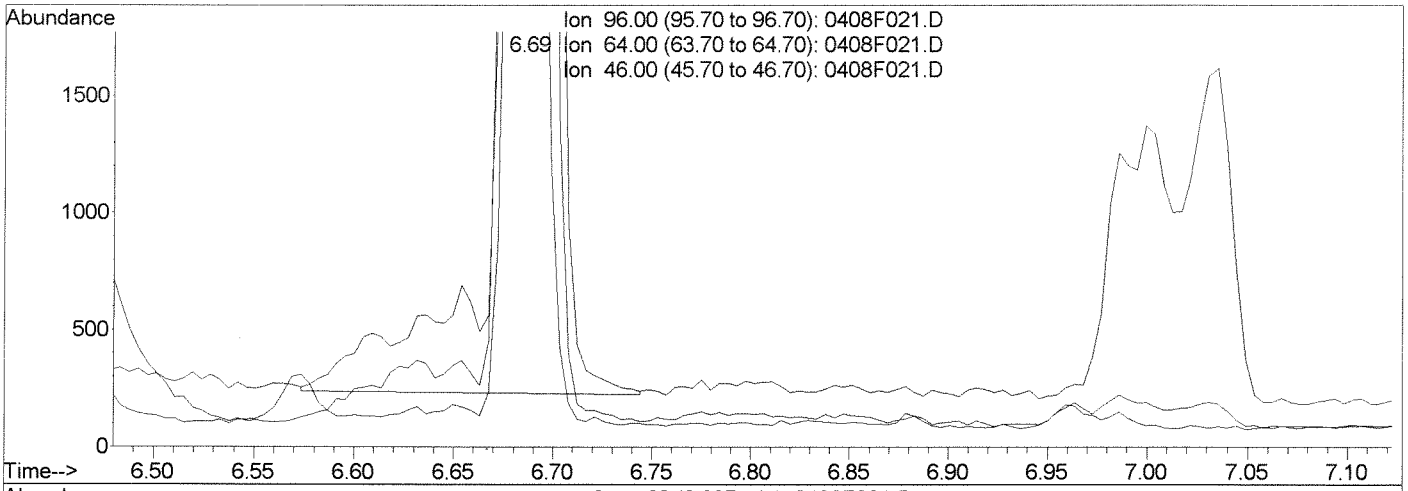
4/9/08 IC

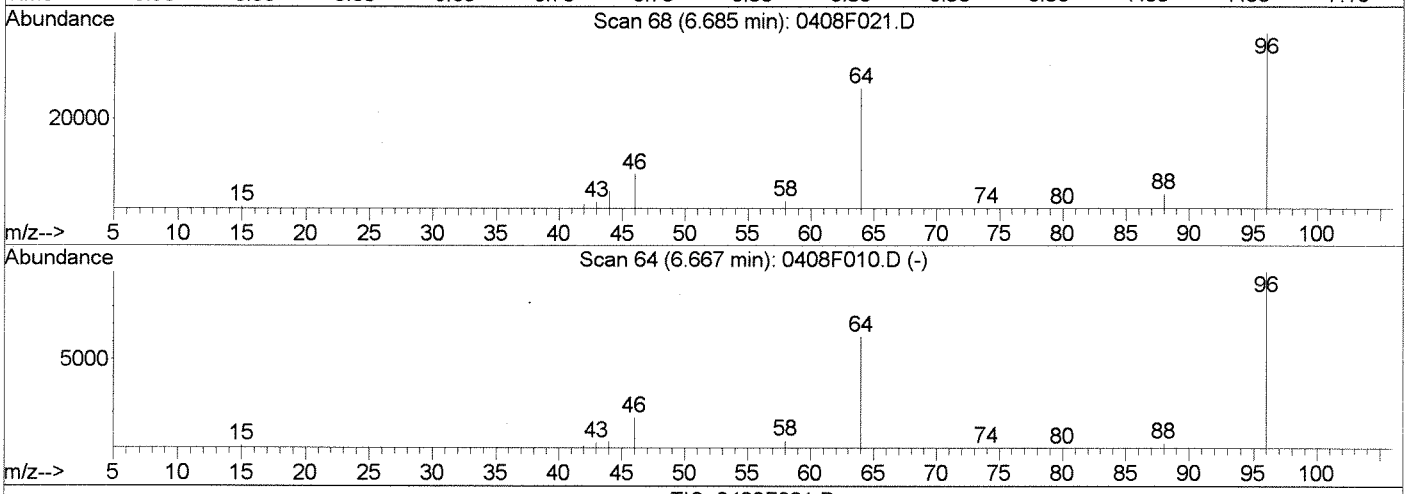
0408F021.D 0408DXNDMA.M Wed Apr 09 10:19:16 2008

Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F021.D Vial: 21
Acq On : 8 Apr 2008 23:46 Operator: JGISH
Sample : K0802637-002 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 11:41 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Multiple Level Calibration





TIC: 0408F021.D

(3) 1,4-Dioxane-d8 (S)

6.69min 56.23ng/ml m

response 41388

Ion	Exp%	Act%
96.00	100	100
64.00	60.90	68.59
46.00	16.70	19.71
0.00	0.00	0.00

4/9/8 IC

0408F021.D 0408DXNDMA.M Wed Apr 09 11:41:17 2008

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	03/24/2008
Sample Matrix:	Water	**Date Received:**	03/27/2008

1,4-Dioxane by GC/MS

Sample Name:	KEP-GW-010A-003	**Units:**	ug/L
Lab Code:	K0802637-003	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	**3.3**		0.50	0.260	1	03/31/08	04/09/08	KWG0802930	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	64	55-100	04/09/08	Acceptable

Comments:

Exception Report

Data File: J:\MS20\DATA\040808\0408F022.D
Lab ID: K0802637-003
RunType: SMPL
Matrix: WATER

Date Acquired: 04/09/2008 00:05
Date Quantitated: 04/09/2008 11:41
Batch ID: KWG0803239
Analysis Method: 8270C SIM
ListJoinID: LJ2865

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 4/9/08

Secondary Review: 4/9/08

Quantitation Report

Bottle ID:		**Tier:**	III	**Matrix:**	WATER
Prod Code:	8270C SIM 14_DI	**Collect Date:**	03/24/2008	**Receive Date:**	03/27/2008

Analysis Lot:	KWG0803239	**Prep Lot:**	KWG0802930	**Report Group:**	K0802637
Analysis Method:	8270C SIM	**Prep Method:**	EPA 3510C		
Prep Ref:	697733	**Prep Date:**	03/31/2008		

Quant Method:	J:\MS20\METHODS\0408DXNDMA.M	**Calibration ID:**	CAL7233
Title:	1,4-Dioxane by GC/MS	**Report List ID:**	LJ2865
Tune Ref:	J:\MS20\DATA\040808\0408F001.D	**Method ID:**	MJ402
MB Ref:	J:\MS20\DATA\040808\0408F017.D	**Quant based on Report List**	

Data File:	J:\MS20\DATA\040808\0408F022.D			**Instrument:**	MS20
Acqu Date:	04/09/2008 00:05	**Quant Date:**	04/09/2008 11:41	**Vial:**	22
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802637-003			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.40	0.00?	152	85575**m**	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	1,4-Dioxane-d8	6.67	0.00	0.00	96	45559**m**	64.05	64	55-100	OK	

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	1,4-Dioxane	6.69	0.01	0.00	88	11614	13.34	3.3		

Prep Amount:	100 ml	**Dilution:**	1.0
Prep Final Vol:	25 ml	**Unit Factor:**	1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F022.D Vial: 22
Acq On : 9 Apr 2008 00:05 Operator: JGISH
Sample : K0802637-003 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 09 10:14:00 2008 Quant Results File: 0408DXNDMA.RES

Quant Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Initial Calibration
DataAcq Meth : DIOXNDMA

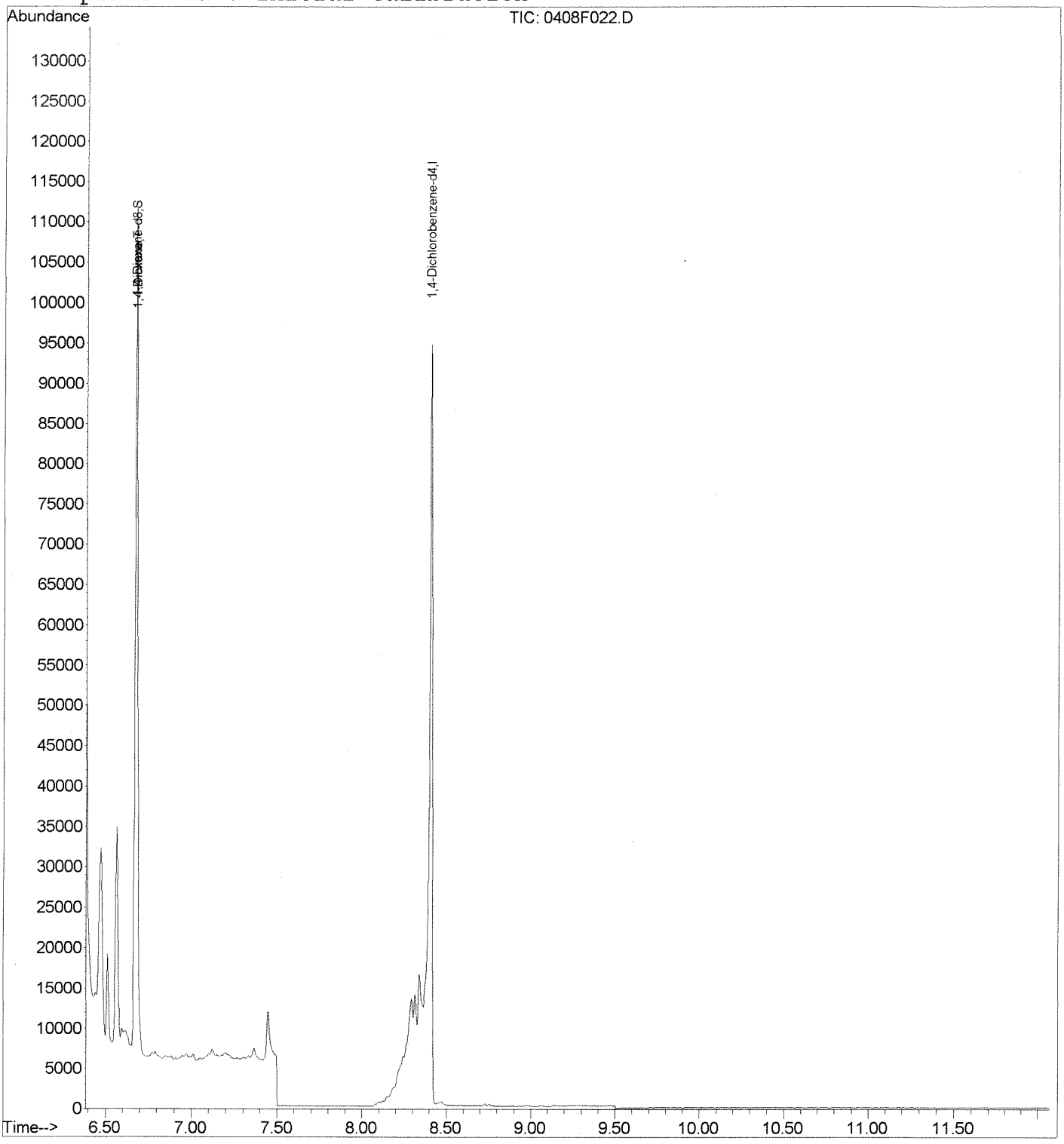
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	85575m	50.00	ng/ml	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.67	96	45559m	64.05	ng/ml	-0.02
Spiked Amount 50.000			Recovery =	128.10%		
5) NDMA-d6	0.00	80	0	0.00	ng/ml	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	6.69	88	11614	13.34	ng/ml	96

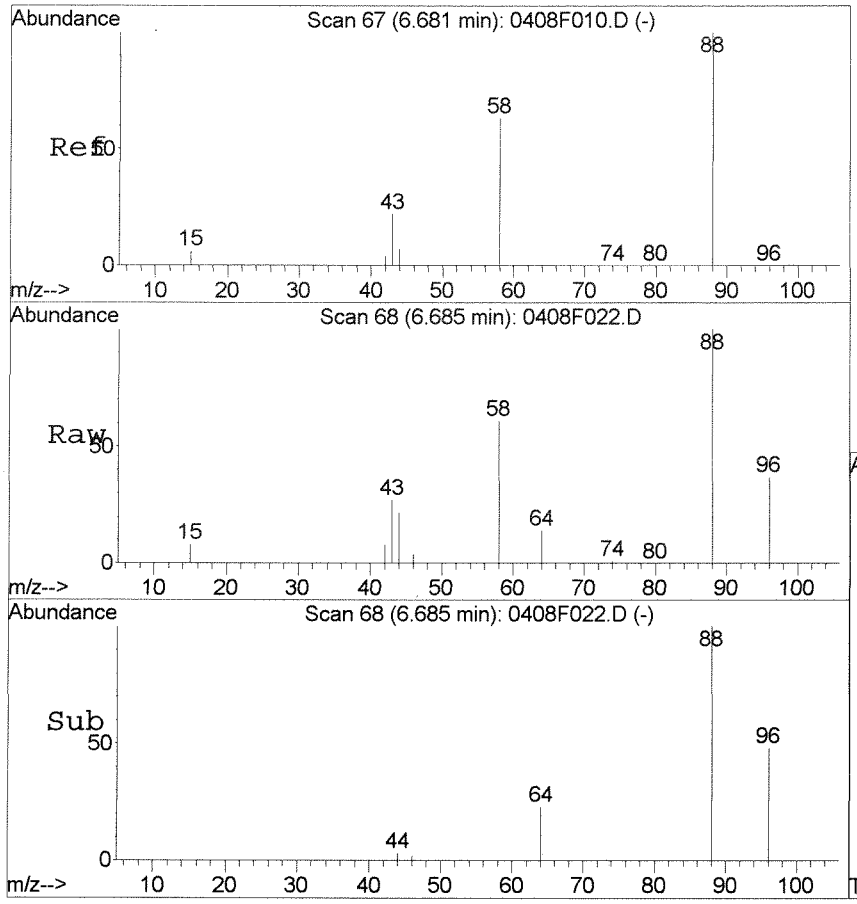
(#) = qualifier out of range (m) = manual integration
0408F022.D 0408DXNDMA.M Wed Apr 09 11:41:58 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F022.D Vial: 22
Acq On : 9 Apr 2008 00:05 Operator: JGISH
Sample : K0802637-003 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 11:41 2008 Quant Results File: 0408DXNDMA.R

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Initial Calibration

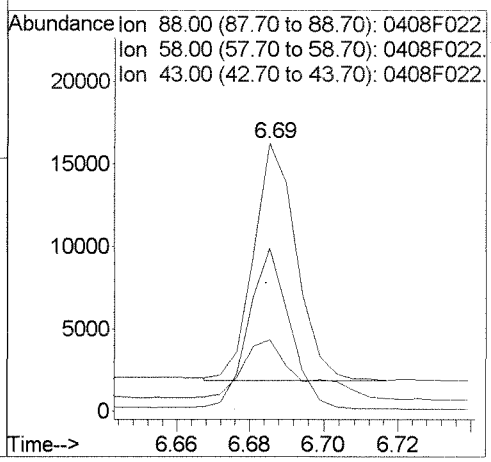




#2
1,4-Dioxane
Concen: 13.34 ng/ml
RT: 6.69 min Scan# 68
Delta R.T. -0.02 min
Lab File: 0408F022.D
Acq: 9 Apr 2008 00:05

Tgt Ion: 88 Resp: 11614

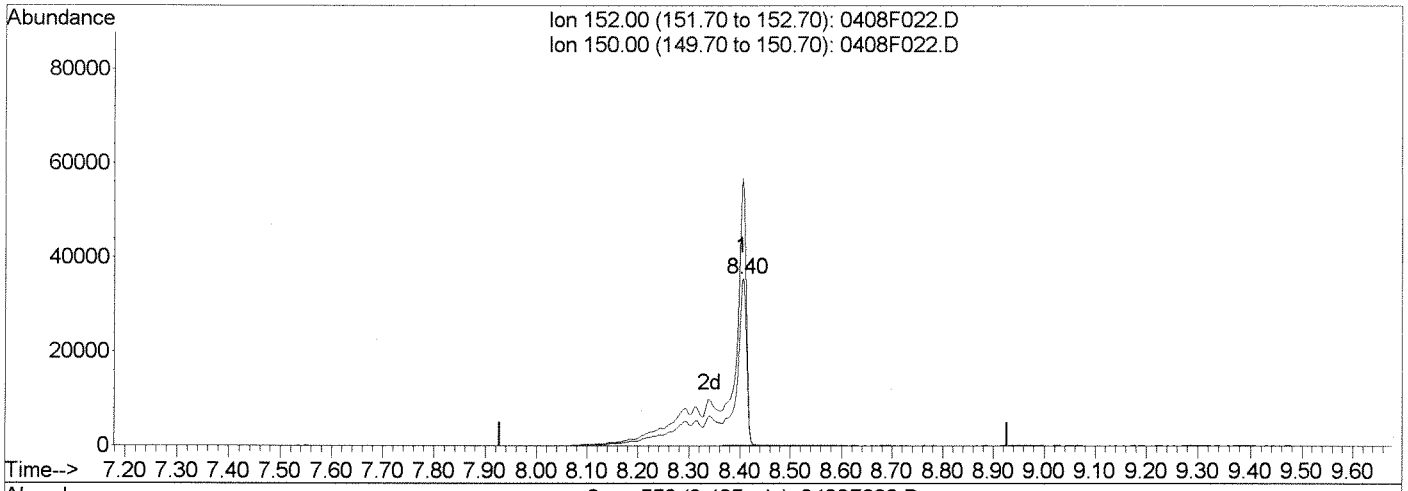
Ion	Ratio	Lower	Upper
88	100		
58	60.8	41.4	77.0
43	26.8	16.0	29.8

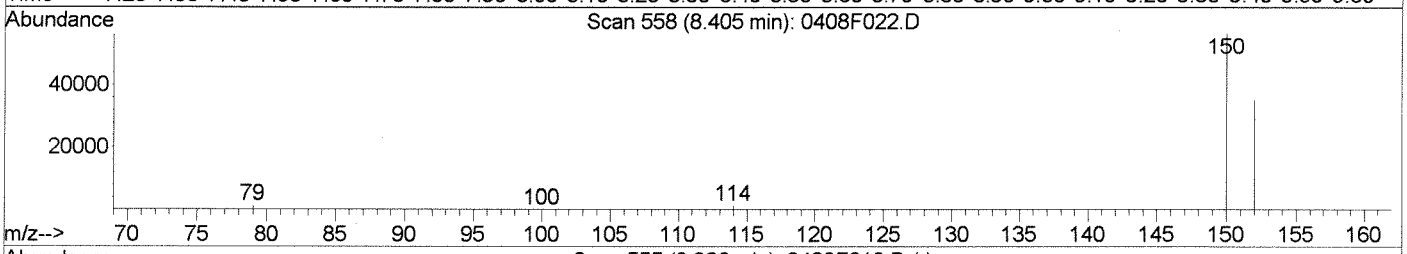


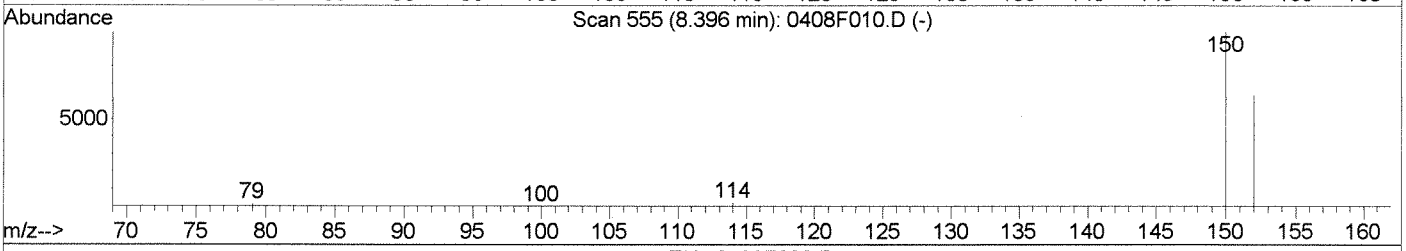
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F022.D Vial: 22
Acq On : 9 Apr 2008 00:05 Operator: JGISH
Sample : K0802637-003 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 10:19 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Multiple Level Calibration







TIC: 0408F022.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.40min 50.00ng/ml m

response 85575

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	159.81
0.00	0.00	0.00
0.00	0.00	0.00

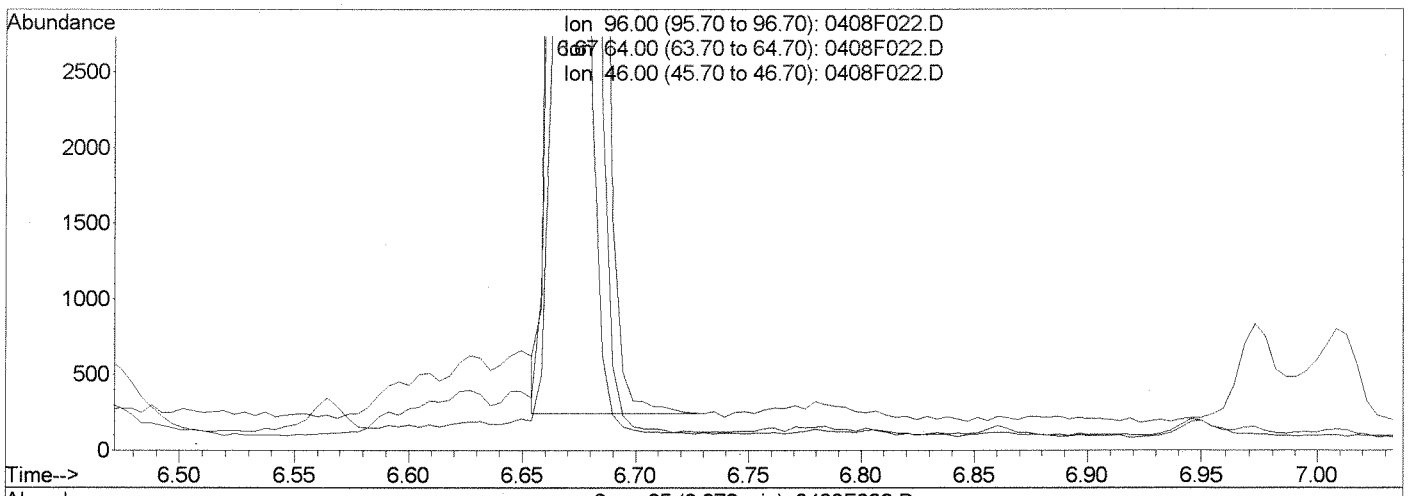
4/9/08 IC

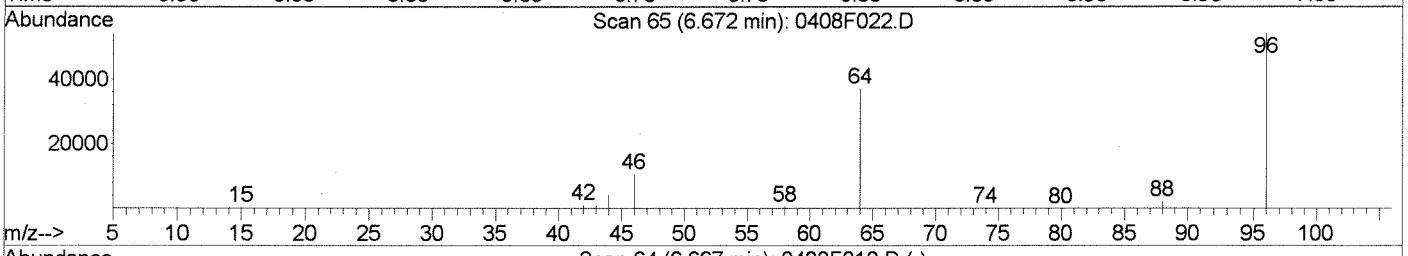
0408F022.D 0408DXNDMA.M Wed Apr 09 10:19:40 2008

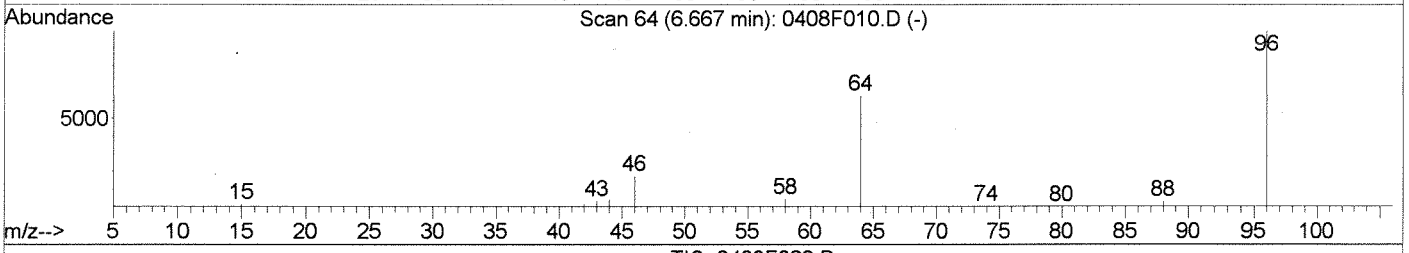
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F022.D Vial: 22
Acq On : 9 Apr 2008 00:05 Operator: JGISH
Sample : K0802637-003 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 10:19 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Multiple Level Calibration







TIC: 0408F022.D

(3) 1,4-Dioxane-d8 (S)

6.67min 61.97ng/ml

response 44079

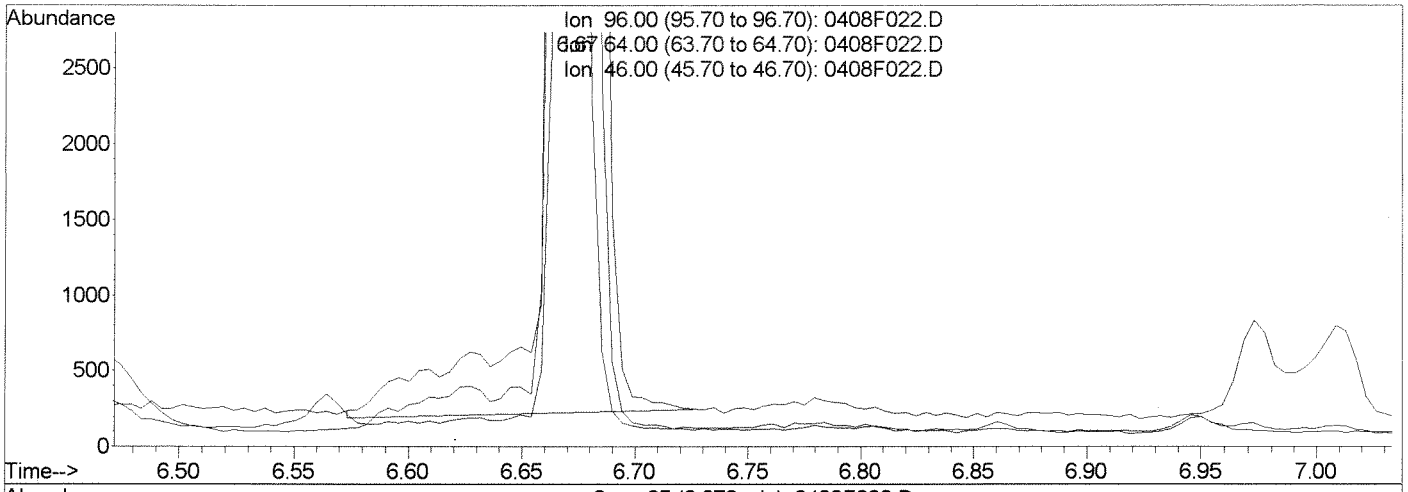
Ion	Exp%	Act%
96.00	100	100
64.00	60.90	68.25
46.00	16.70	19.47
0.00	0.00	0.00

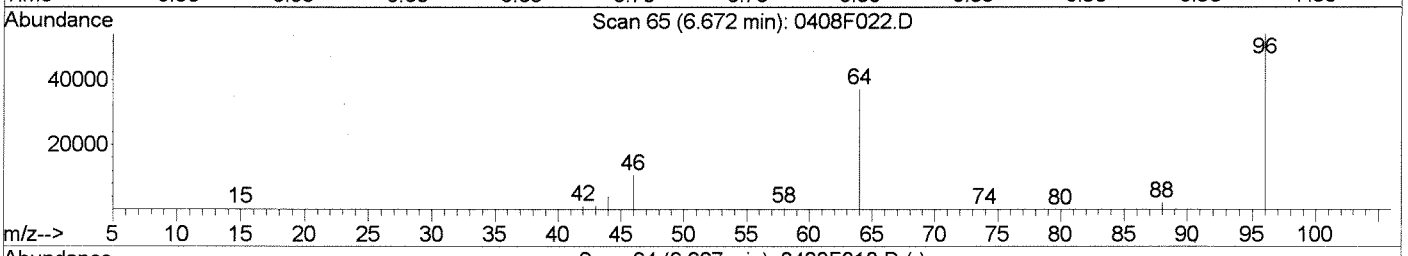
0408F022.D 0408DXNDMA.M Wed Apr 09 11:41:28 2008

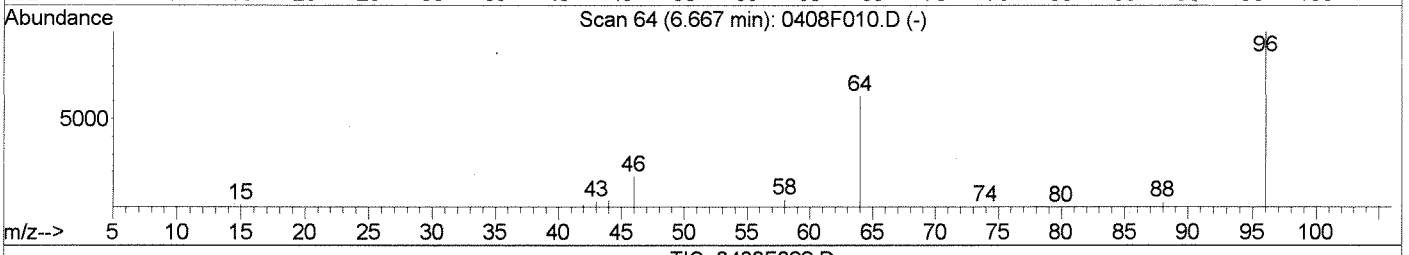
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F022.D Vial: 22
Acq On : 9 Apr 2008 00:05 Operator: JGISH
Sample : K0802637-003 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 11:41 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Multiple Level Calibration







TIC: 0408F022.D

(3) 1,4-Dioxane-d8 (S)

6.67min 64.05ng/ml m

response 45559

Ion	Exp%	Act%
96.00	100	100
64.00	60.90	68.25
46.00	16.70	19.47
0.00	0.00	0.00

7/14/16 IC

0408F022.D 0408DXNDMA.M Wed Apr 09 11:41:34 2008

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

1,4-Dioxane by GC/MS

Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KWG0802930-3	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	ND	U	0.50	0.260	1	03/31/08	04/08/08	KWG0802930	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	61	55-100	04/08/08	Acceptable

Comments:

Exception Report

Data File: J:\MS20\DATA\040808\0408F017.D
Lab ID: KWG0802930-3
RunType: MB
Matrix: WATER

Date Acquired: 04/08/2008 22:31
Date Quantitated: 04/09/2008 10:17
Batch ID: KWG0803239
Analysis Method: 8270C SIM
MethodJoinID: MJ402

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

K0802637

Primary Review: 4/9/18

Secondary Review: 4/9/18

Printed: 04/09/2008 10:46:34
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8270C SIM 14_DI	**Collect Date:**		**Receive Date:**	04/08/2008

Analysis Lot:	KWG0803239	**Prep Lot:**	KWG0802930	**Report Group:**	
Analysis Method:	8270C SIM	**Prep Method:**	EPA 3510C		
Prep Ref:	697738	**Prep Date:**	03/31/2008		

Quant Method:	J:\MS20\METHODS\0408DXNDMA.M	**Calibration ID:**	CAL7233
Title:			
Tune Ref:	J:\MS20\DATA\040808\0408F001.D	**Method ID:**	MJ402
MB Ref:		**Quant based on Method**	

Data File:	J:\MS20\DATA\040808\0408F017.D			**Instrument:**	MS20
Acqu Date:	04/08/2008 22:31	**Quant Date:**	04/09/2008 10:17	**Vial:**	17
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG0802930-3			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.40	0.00?	152	82173m	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	1,4-Dioxane-d8	6.65	-0.02	0.00	96	41780	61.17	61	55-100	OK

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	1,4-Dioxane				88	0d		0.260	U	

Prep Amount:	100 ml	**Dilution:**	1.0
Prep Final Vol:	25 ml	**Unit Factor:**	1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F017.D Vial: 17
Acq On : 8 Apr 2008 22:31 Operator: JGISH
Sample : KWG0802930-MB Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 09 10:13:55 2008 Quant Results File: 0408DXNDMA.RES

Quant Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Initial Calibration
DataAcq Meth : DIOXNDMA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	82173m	50.00	ng/ml	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.65	96	41780	61.17	ng/ml	-0.04
Spiked Amount 50.000			Recovery =	122.34%		
5) NDMA-d6	0.00	80	0	0.00	ng/ml	
Spiked Amount 50.000			Recovery =	0.00%		

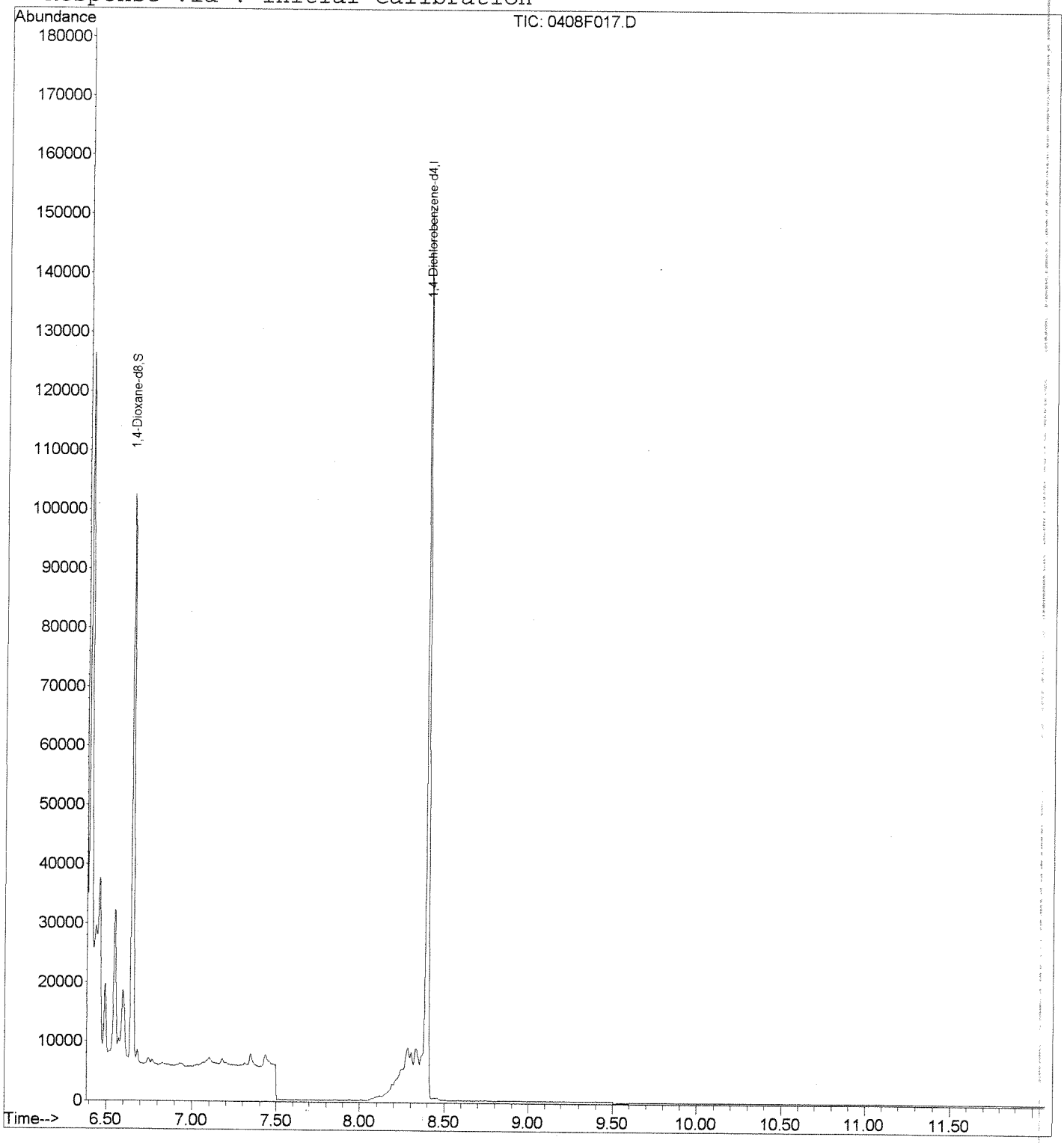
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
0408F017.D 0408DXNDMA.M Wed Apr 09 10:20:54 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F017.D Vial: 17
Acq On : 8 Apr 2008 22:31 Operator: JGISH
Sample : KWG0802930-MB Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 10:17 2008 Quant Results File: 0408DXNDMA.R

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Initial Calibration

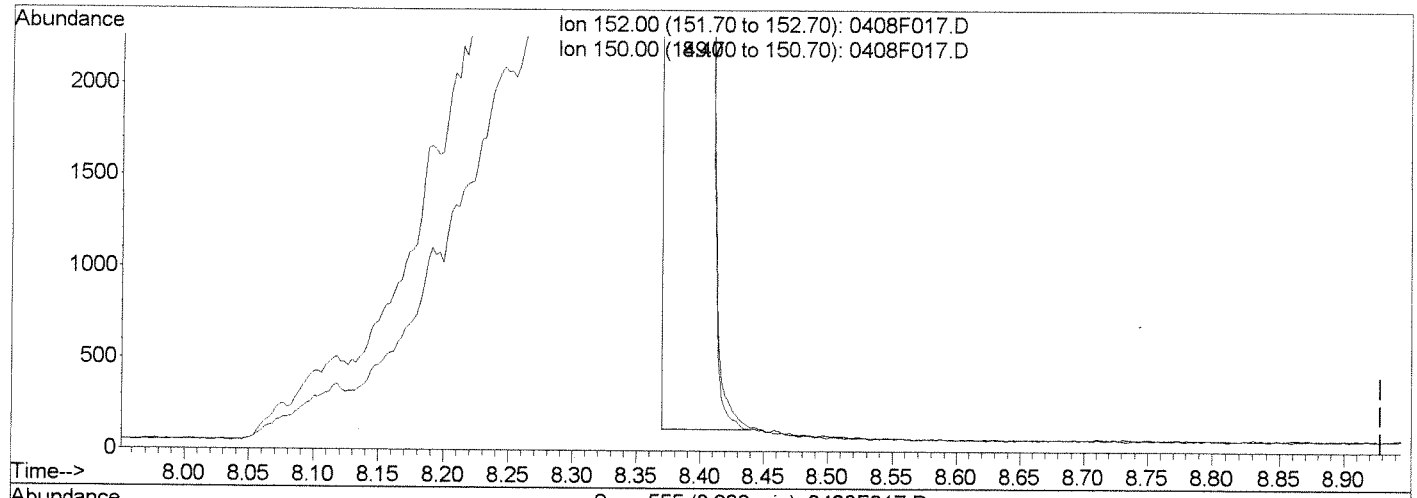


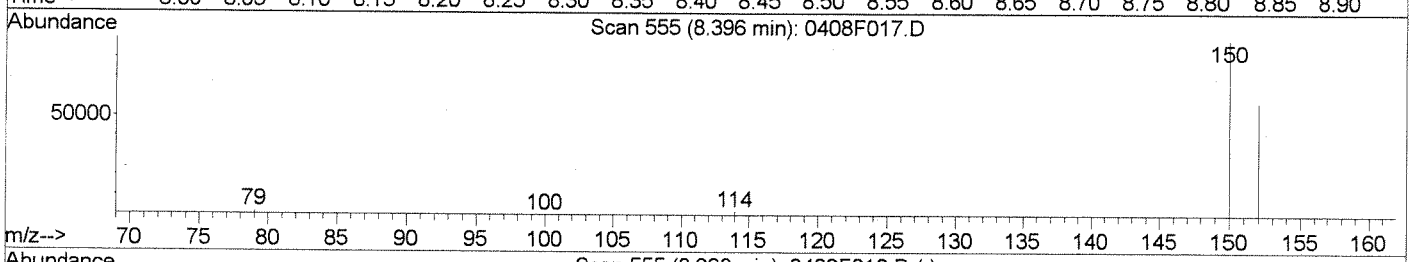
Data File : J:\MS20\DATA\040808\0408F017.D
Acq On : 8 Apr 2008 22:31
Sample : KWG0802930-MB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 10:13 2008

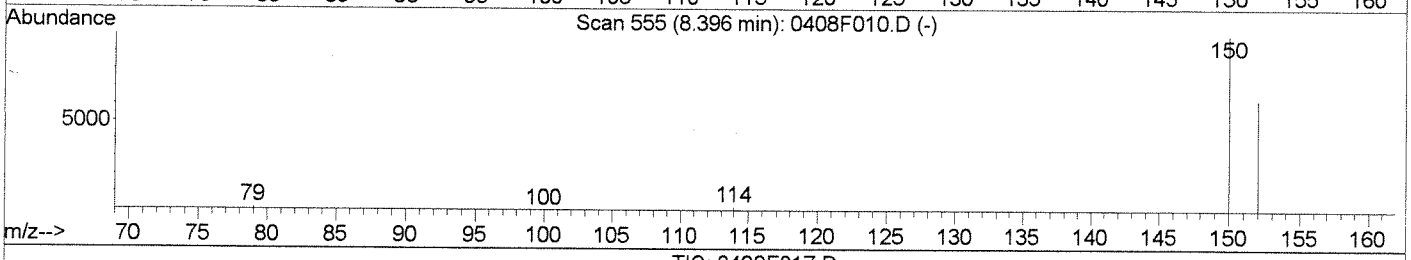
Vial: 17
Operator: JGISH
Inst : MS20
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Multiple Level Calibration







TIC: 0408F017.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.40min 50.00ng/ml

response 53500

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	155.74
0.00	0.00	0.00
0.00	0.00	0.00

0408F017.D 0408DXNDMA.M Wed Apr 09 10:17:17 2008

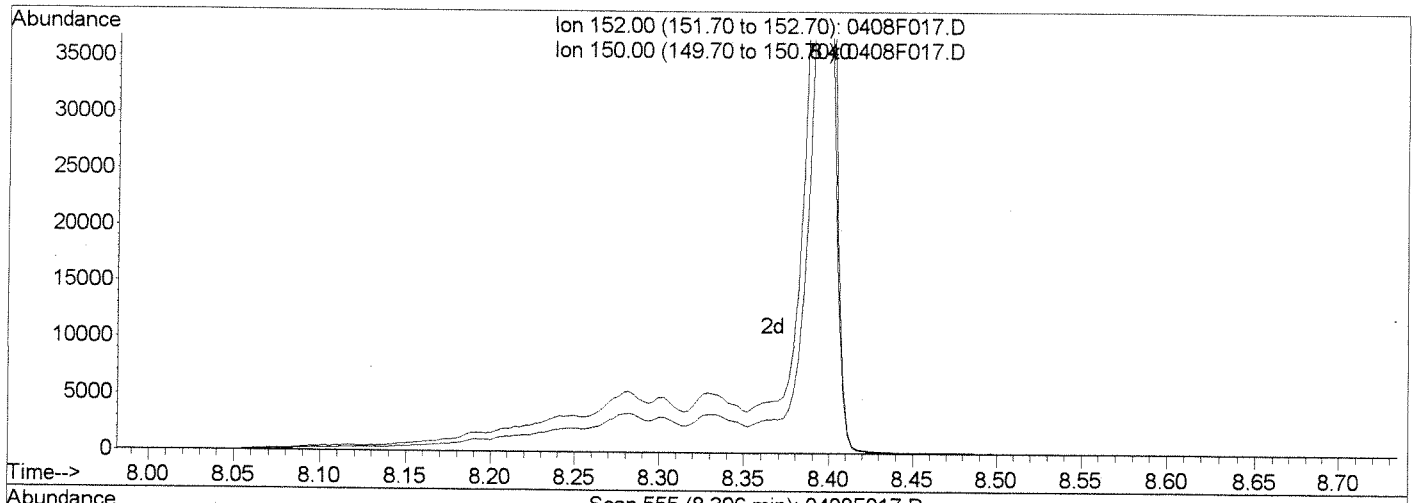
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F017.D
Acq On : 8 Apr 2008 22:31
Sample : KWG0802930-MB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 10:17 2008

Vial: 17
Operator: JGISH
Inst : MS20
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Multiple Level Calibration



TIC: 0408F017.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.40min 50.00ng/ml m

response 82173

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	155.74
0.00	0.00	0.00
0.00	0.00	0.00

4/14/08 IC

0408F017.D 0408DXNDMA.M Wed Apr 09 10:17:29 2008

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

1,4-Dioxane by GC/MS

Sample Name:	Lab Control Sample	**Units:**	ug/L
Lab Code:	KWG0802930-1	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	**17.8**		0.50	0.260	1	03/31/08	04/08/08	KWG0802930	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	63	55-100	04/08/08	Acceptable

Comments:

Exception Report

Data File: J:\MS20\DATA\040808\0408F018.D
Lab ID: KWG0802930-1
RunType: LCS
Matrix: WATER

Date Acquired: 04/08/2008 22:49
Date Quantitated: 04/09/2008 10:18
Batch ID: KWG0803239
Analysis Method: 8270C SIM
MethodJoinID: MJ402

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

K080 2637

Primary Review: 4/9/18

Secondary Review: 4/9/18

Printed: 04/09/2008 10:46:37
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8270C SIM 14_DI	**Collect Date:**		**Receive Date:**	04/08/2008

Analysis Lot:	KWG0803239	**Prep Lot:**	KWG0802930	**Report Group:**	
Analysis Method:	8270C SIM	**Prep Method:**	EPA 3510C		
Prep Ref:	697736	**Prep Date:**	03/31/2008		

Quant Method:	J:\MS20\METHODS\0408DXNDMA.M	**Calibration ID:**	CAL7233
Title:			
Tune Ref:	J:\MS20\DATA\040808\0408F001.D	**Method ID:**	MJ402
MB Ref:	J:\MS20\DATA\040808\0408F017.D	**Quant based on Method**	

Data File:	J:\MS20\DATA\040808\0408F018.D			**Instrument:**	MS20
Acqu Date:	04/08/2008 22:49	**Quant Date:**	04/09/2008 10:18	**Vial:**	18
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG0802930-1			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.42	0.02?	152	82952**m**	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	1,4-Dioxane-d8	6.68	0.01	0.00	96	43452	63.02	63	55-100	OK

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	1,4-Dioxane	6.69	0.01	0.00	88	60216	71.33	17.8		

Prep Amount:	100 ml	**Dilution:**	1.0
Prep Final Vol:	25 ml	**Unit Factor:**	1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F018.D
Acq On : 8 Apr 2008 22:49
Sample : KWG0802930-LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 09 10:13:56 2008

Vial: 18
Operator: JGISH
Inst : MS20
Multiplr: 1.00
Quant Results File: 0408DXNDMA.RES

Quant Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Initial Calibration
DataAcq Meth : DIOXNDMA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	82952m	50.00	ng/ml	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.68	96	43452	63.02	ng/ml	-0.01
Spiked Amount 50.000			Recovery =	126.04%		
5) NDMA-d6	0.00	80	0	0.00	ng/ml	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	6.69	88	60216	71.33	ng/ml	92

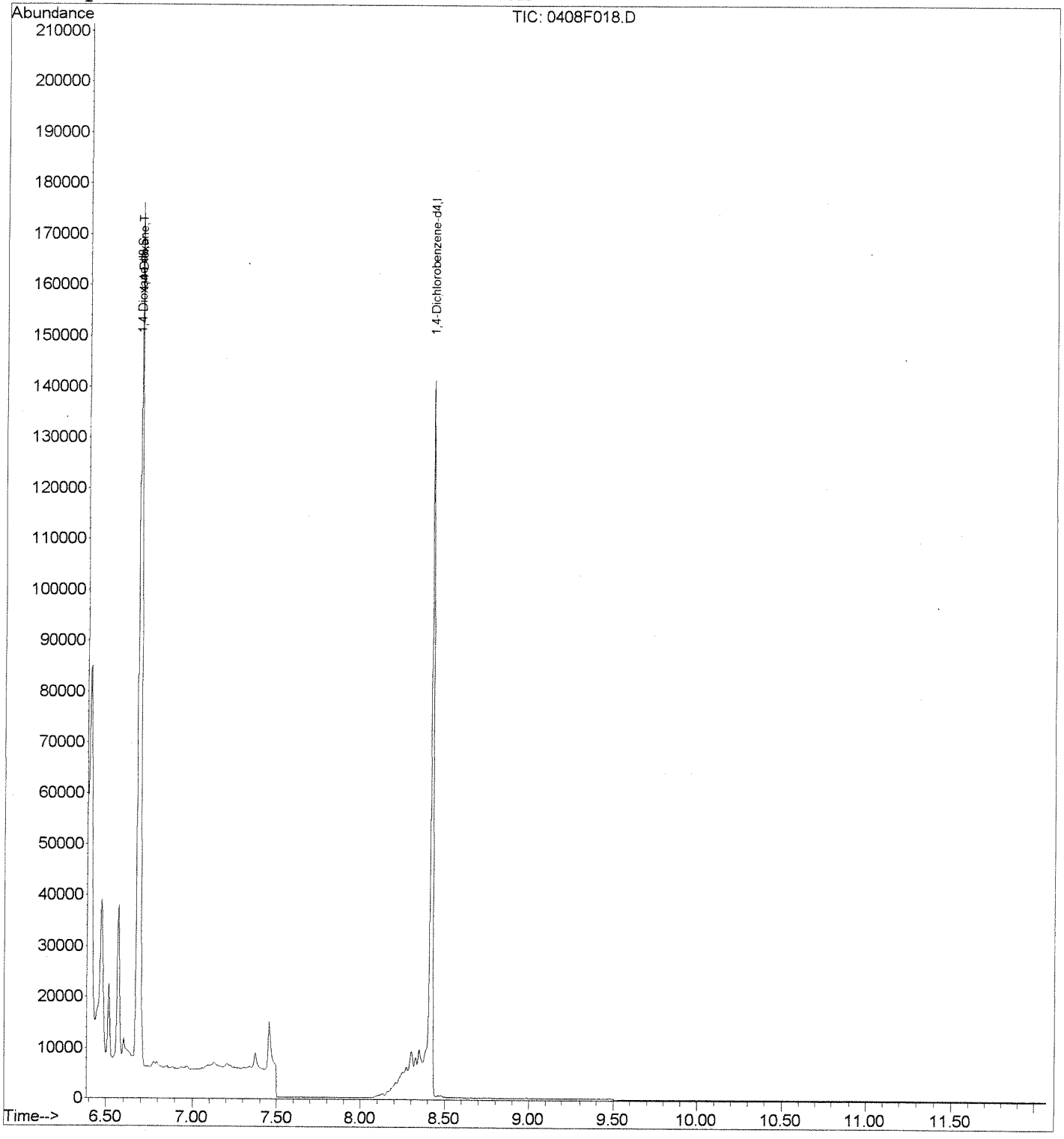
(#) = qualifier out of range (m) = manual integration
0408F018.D 0408DXNDMA.M Wed Apr 09 10:20:55 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F018.D
Acq On : 8 Apr 2008 22:49
Sample : KWG0802930-LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 10:18 2008

Vial: 18
Operator: JGISH
Inst : MS20
Multiplr: 1.00
Quant Results File: 0408DXNDMA.R

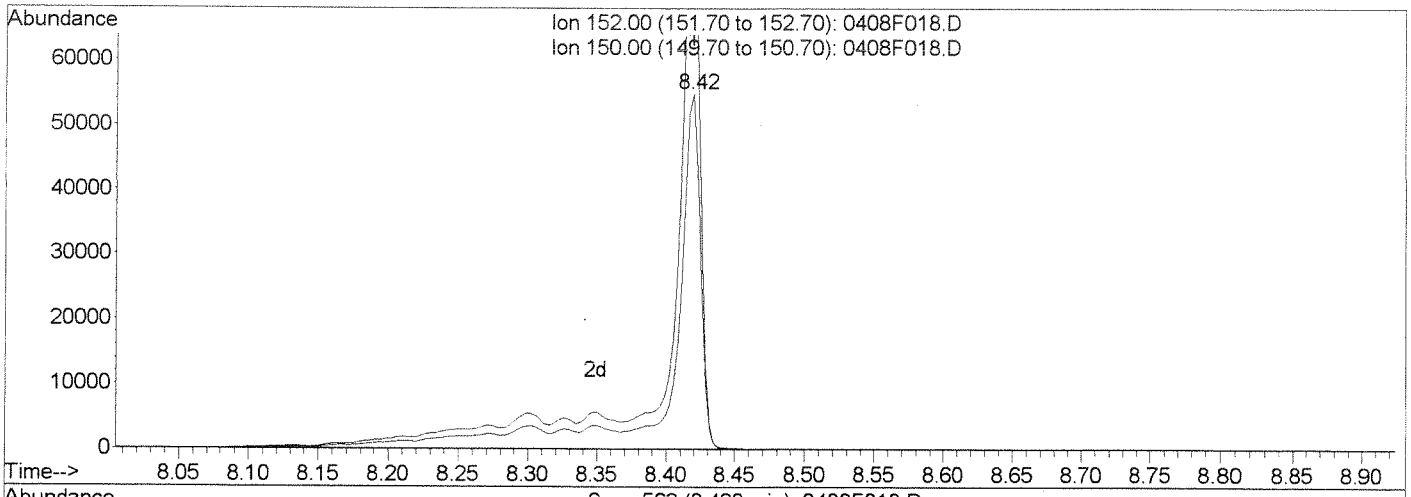
Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Initial Calibration

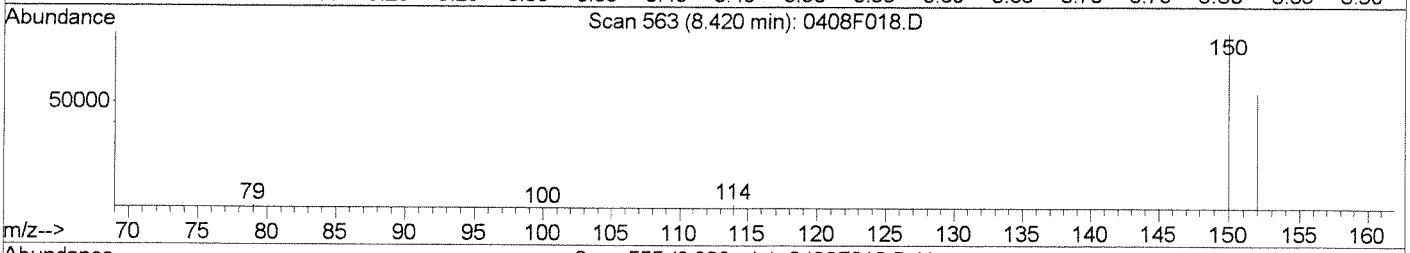


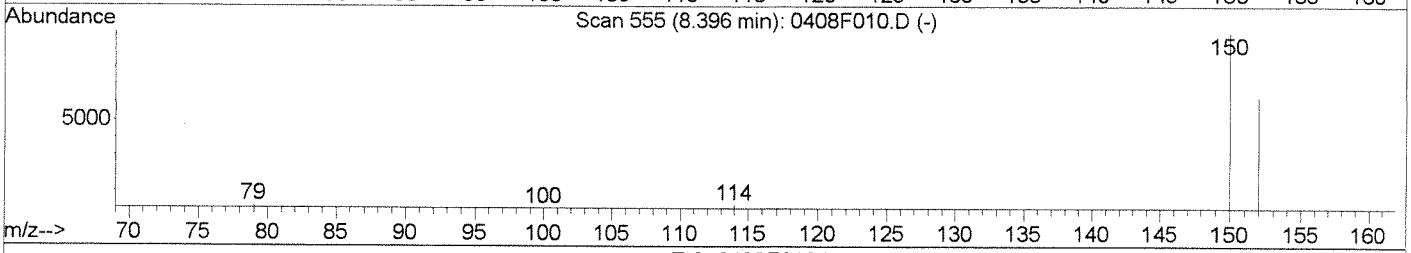
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F018.D Vial: 18
Acq On : 8 Apr 2008 22:49 Operator: JGISH
Sample : KWG0802930-LCS Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 10:17 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Multiple Level Calibration







TIC: 0408F018.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.42min 50.00ng/ml m

response 82952

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	151.61
0.00	0.00	0.00
0.00	0.00	0.00

4/14/08 JC

0408F018.D 0408DXNDMA.M Wed Apr 09 10:18:08 2008

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802637
Project:	Kuhlman Electric	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA

1,4-Dioxane by GC/MS

Sample Name:	Duplicate Lab Control Sample	**Units:**	ug/L
Lab Code:	KWG0802930-2	**Basis:**	NA
Extraction Method:	EPA 3510C	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	**17.2**		0.50	0.260	1	03/31/08	04/08/08	KWG0802930	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	62	55-100	04/08/08	Acceptable

Comments:

Exception Report

Data File: J:\MS20\DATA\040808\0408F019.D
Lab ID: KWG0802930-2
RunType: DLCS
Matrix: WATER

Date Acquired: 04/08/2008 23:08
Date Quantitated: 04/09/2008 10:18
Batch ID: KWG0803239
Analysis Method: 8270C SIM
MethodJoinID: MJ402

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 4/9/08

Secondary Review: 4/9/08

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8270C SIM 14_DI	**Collect Date:**		**Receive Date:**	04/08/2008

Analysis Lot:	KWG0803239	**Prep Lot:**	KWG0802930	**Report Group:**	
Analysis Method:	8270C SIM	**Prep Method:**	EPA 3510C		
Prep Ref:	697737	**Prep Date:**	03/31/2008		

Quant Method:	J:\MS20\METHODS\0408DXNDMA.M	**Calibration ID:**	CAL7233
Title:			
Tune Ref:	J:\MS20\DATA\040808\0408F001.D	**Method ID:**	MJ402
MB Ref:	J:\MS20\DATA\040808\0408F017.D	**Quant based on Method**	

Data File:	J:\MS20\DATA\040808\0408F019.D			**Instrument:**	MS20
Acqu Date:	04/08/2008 23:08	**Quant Date:**	04/09/2008 10:18	**Vial:**	19
Run Type:	DLCS			**Dilution:**	1.0
Lab ID:	KWG0802930-2			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.39	-0.01?	152	83906**m**	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	1,4-Dioxane-d8	6.65	-0.02	0.00	96	43131	61.84	62	55-100	OK

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	1,4-Dioxane	6.66	-0.02	0.00	88	58679	68.72	17.2		

Prep Amount:	100 ml	**Dilution:**	1.0
Prep Final Vol:	25 ml	**Unit Factor:**	1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F019.D Vial: 19
Acq On : 8 Apr 2008 23:08 Operator: JGISH
Sample : KWG0802930-DLCS Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 09 10:13:57 2008 Quant Results File: 0408DXNDMA.RES

Quant Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Initial Calibration
DataAcq Meth : DIOXNDMA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.39	152	83906m	50.00	ng/ml	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.65	96	43131	61.84	ng/ml	-0.04
Spiked Amount 50.000			Recovery =	123.68%		
5) NDMA-d6	0.00	80	0	0.00	ng/ml	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	6.66	88	58679	68.72	ng/ml	91

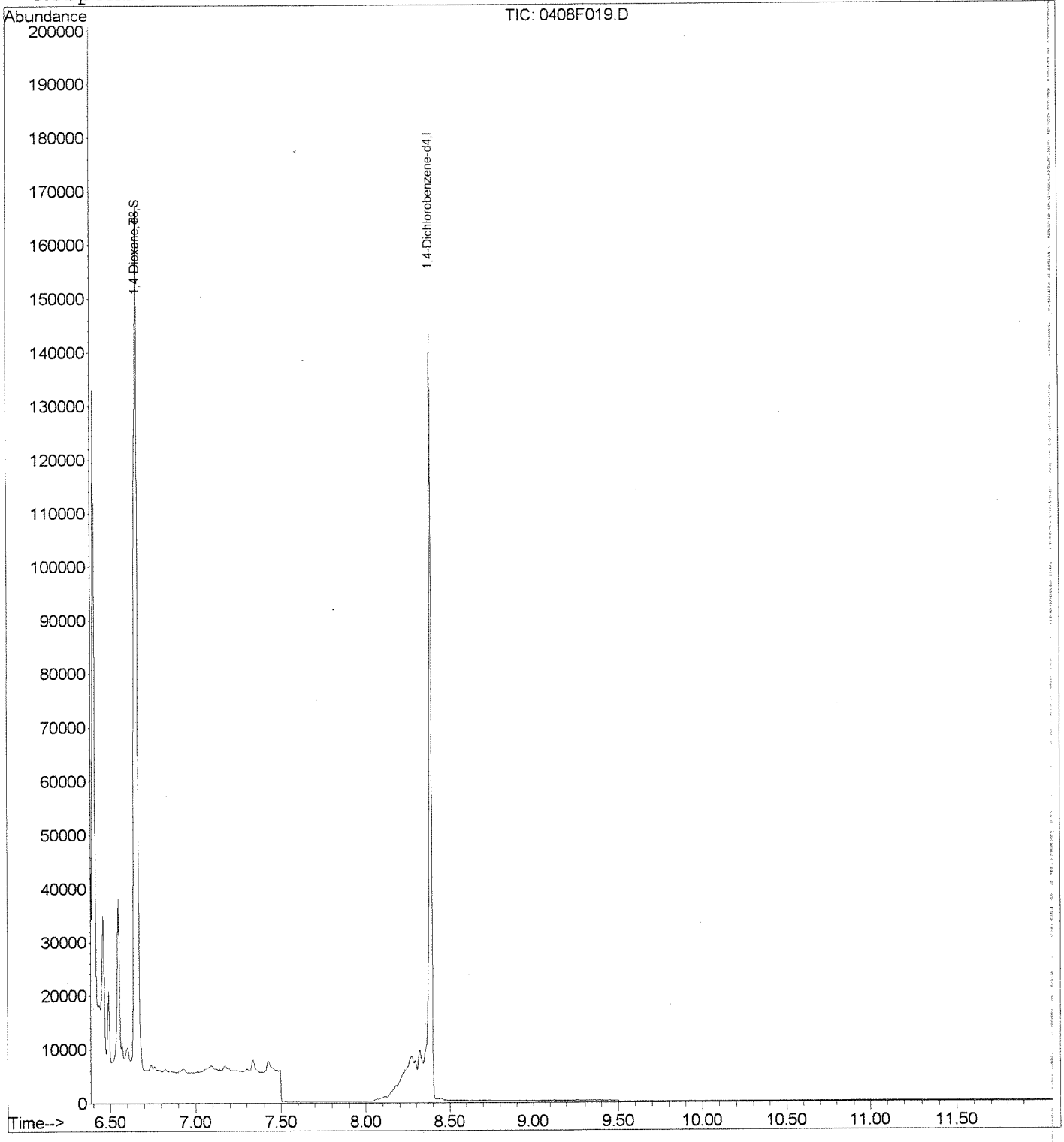
(#) = qualifier out of range (m) = manual integration
0408F019.D 0408DXNDMA.M Wed Apr 09 10:20:56 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F019.D
Acq On : 8 Apr 2008 23:08
Sample : KWG0802930-DLCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 10:18 2008

Vial: 19
Operator: JGISH
Inst : MS20
Multiplr: 1.00
Quant Results File: 0408DXNDMA.R

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Initial Calibration



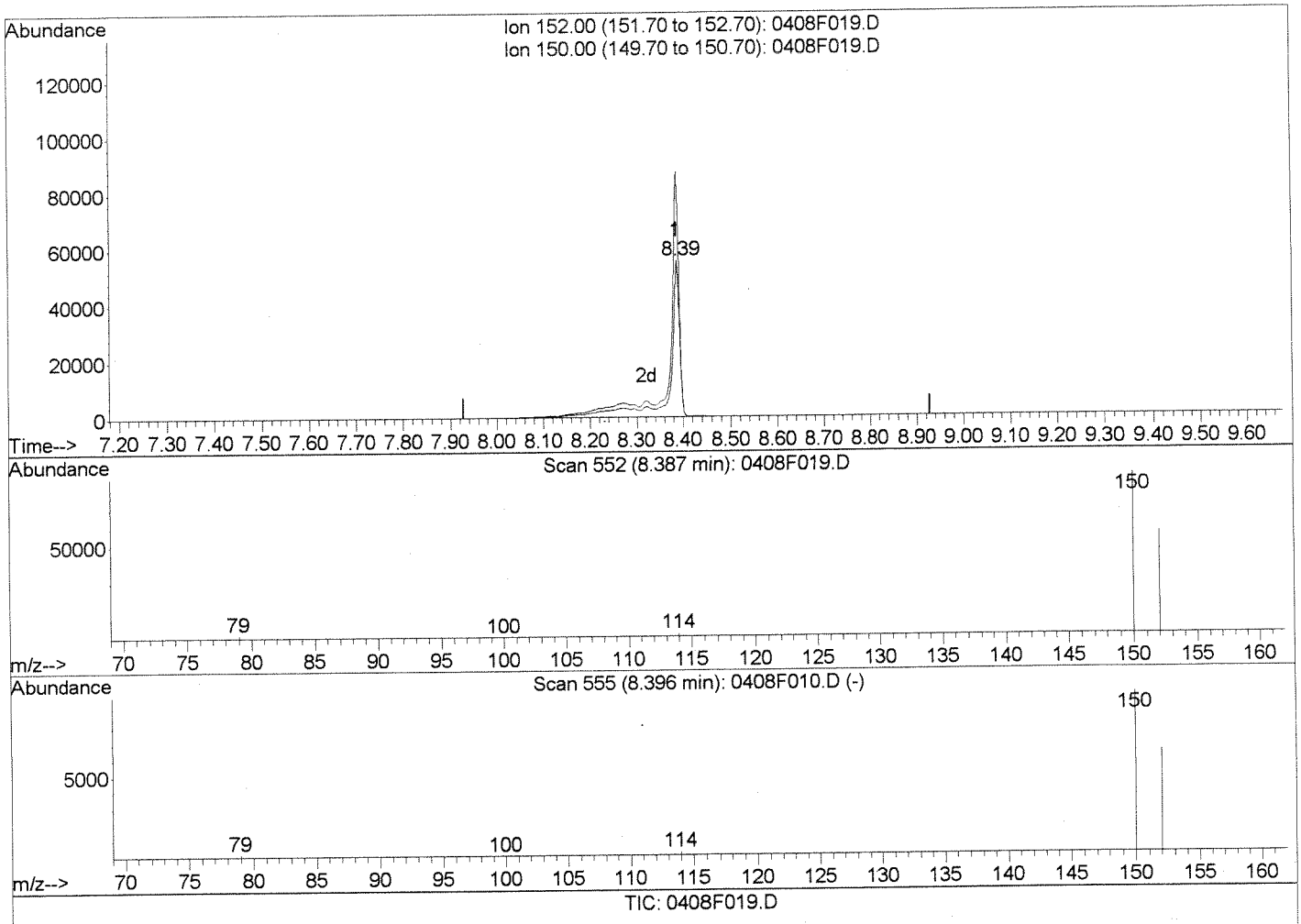
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F019.D
Acq On : 8 Apr 2008 23:08
Sample : KWG0802930-DLCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 10:18 2008

Vial: 19
Operator: JGISH
Inst : MS20
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Multiple Level Calibration



TIC: 0408F019.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.39min 50.00ng/ml m

response 83906

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	156.85
0.00	0.00	0.00
0.00	0.00	0.00

4/9/08 IC

0408F019.D 0408DXNDMA.M Wed Apr 09 10:18:28 2008

Organic Analysis:
1,4-Dioxane by GC/MS

Validation Package

Standards Data

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/08/2008
Time Analyzed: 17:20

Tune Summary
1,4-Dioxane by GC/MS

File ID: J:\MS20\DATA\040808\0408F001.D
Instrument ID: MS20
Column:

Analysis Method: 8270C SIM
Analysis Lot: KWG0803239

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	24.8	216194	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	32.3	280866	PASS
70	69	0	2	0.8	2336	PASS
127	198	10	80	43.3	376622	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	49.1	870698	PASS
199	198	5	9	7.0	61098	PASS
275	198	10	60	30.6	266496	PASS
365	442	1	50	2.1	37173	PASS
441	443	0	100	86.0	323477	PASS
442	442	100	100	100.0	1772885	PASS
443	442	15	24	21.2	375936	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG0803239-2	J:\MS20\DATA\040808\0408F010.D	04/08/2008	20:17	
Method Blank	KWG0802930-3	J:\MS20\DATA\040808\0408F017.D	04/08/2008	22:31	
Lab Control Sample	KWG0802930-1	J:\MS20\DATA\040808\0408F018.D	04/08/2008	22:49	
Duplicate Lab Control Sample	KWG0802930-2	J:\MS20\DATA\040808\0408F019.D	04/08/2008	23:08	
KEP-GW-011A-003	K0802637-001	J:\MS20\DATA\040808\0408F020.D	04/08/2008	23:28	
Duplicate 1	K0802637-002	J:\MS20\DATA\040808\0408F021.D	04/08/2008	23:46	
KEP-GW-010A-003	K0802637-003	J:\MS20\DATA\040808\0408F022.D	04/09/2008	00:05	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Exception Report

Data File: J:\MS20\DATA\040808\0408F001.D
Lab ID: KWG0803239-1
RunType: DFTPP
Matrix: SOIL

Date Acquired: 04/08/2008 17:20
Date Quantitated:
Batch ID: KWG0803239
Analysis Method: 8270C SIM
ListJoinID: LJ2865

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Ion Ratio	NA	NA	NA	x	

Primary Review: 4/9/8

Secondary Review: 4/14/08

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SOIL
Prod Code:	8270C SIM SVO_S	**Collect Date:**		**Receive Date:**	04/09/2008

Analysis Lot:	KWG0803239	**Prep Lot:**		**Report Group:**	
Analysis Method:	DFTPP	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS20\METHODS\DFTPPLVI.M	**Calibration ID:**	CAL7233
Title:		**Report List ID:**	LJ1965
Tune Ref:		**Method ID:**	MJ190
MB Ref:		**Quant based on Report List**	

Data File:	J:\MS20\DATA\040808\0408F001.D			**Instrument:**	MS20
Acqu Date:	04/08/2008 17:20	**Quant Date:**		**Vial:**	1
Run Type:	DFTPP			**Dilution:**	1.0
Lab ID:	KWG0803239-1			**Soln Conc. Units:**	

Tune Results

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	24.8	216194	Pass
68	69	0	2	0.0	0	Pass
69	198	0	100	32.3	280866	Pass
70	69	0	2	0.8	2336	Pass
127	198	10	80	43.3	376622	Pass
197	198	0	2	0.0	0	Pass
198	442	30	100	49.1	870698	Pass
199	198	5	9	7.0	61098	Pass
275	198	10	60	30.6	266496	Pass
365	442	1	50	2.1	37173	Pass
441	443	0.01	100	86.0	323477	Pass
442	442	100	100	100.0	1772885	Pass
443	442	15	24	21.2	375936	Pass

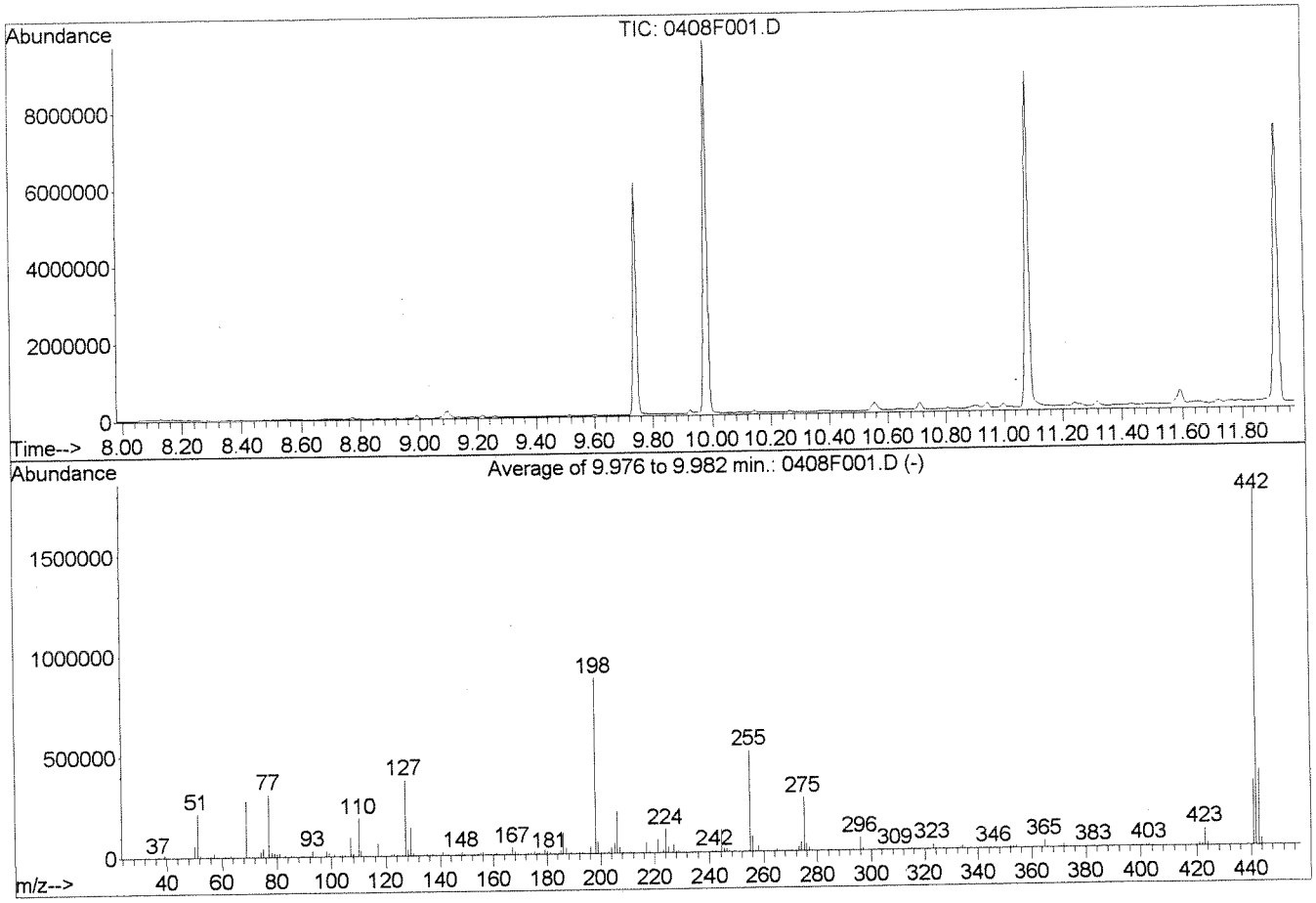
U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\MS20\DATA\040808\0408F001.D
Acq On : 8 Apr 2008 17:20
Sample : DFTPP @ 2.5 ppm SVM25-88H
Misc :
MS Integration Params: rteint.p
Method : J:\MS20\METHODS\DFTPPLVI.M (RTE Integrator)
Title : DFTPP

Vial: 1
Operator: JGISH
Inst : MS20
Multiplr: 1.00



AutoFind: Scans 1254, 1255, 1256; Background Corrected with Scan 1245

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	24.8	216194	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	32.3	280866	PASS
70	69	0.00	2	0.8	2336	PASS
127	198	10	80	43.3	376622	PASS
197	198	0.00	2	0.0	0	PASS
198	442	30	100	49.1	870698	PASS
199	198	5	9	7.0	61098	PASS
275	198	10	60	30.6	266496	PASS
365	442	1	50	2.1	37173	PASS
441	443	0.01	100	86.0	323477	PASS
442	442	30	100	100.0	1772885	PASS
443	442	15	24	21.2	375936	PASS

0408F001.D DFTPPLVI.M Wed Apr 09 09:16:44 2008

Average of 9.976 to 9.982 min.: 0408F001.D
DFTPP @ 2.5 ppm SVM25-88H
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.15	998	51.15	216194	62.15	3406	74.15	25232
38.15	2144	52.20	11234	63.15	9531	75.10	41280
39.15	15094	53.10	662	64.15	1322	77.20	313173
40.20	1042	54.20	105	65.20	5382	78.20	21168
41.20	1231	55.15	2294	66.10	336	79.10	18362
42.15	199	56.10	7190	67.15	399	80.10	14380
43.20	2178	57.20	19485	69.10	280866	81.10	20940
45.05	539	58.10	1308	70.15	2336	82.10	5378
47.00	6	59.10	267	71.20	4054	83.10	6069
49.15	1335	60.00	223	72.20	529	84.10	775
50.20	58101	61.15	3138	73.15	2377	85.20	5922

Average of 9.976 to 9.982 min.: 0408F001.D
DFTPP @ 2.5 ppm SVM25-88H
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.10	5284	100.10	2198	113.10	1519	127.10	376622
87.10	2063	101.10	12678	114.05	283	128.10	30578
88.05	154	102.10	769	116.20	2137	129.10	141738
91.10	4800	103.10	4192	117.10	63266	130.10	11867
92.15	5282	104.10	7317	118.10	4673	131.10	2376
93.10	30856	105.10	7201	119.05	897	132.10	1474
94.10	2610	107.10	93528	120.05	1344	133.00	509
95.10	785	108.10	15376	122.10	6242	134.05	3657
96.10	1400	110.10	188864	123.10	10004	135.05	10293
98.10	24060	111.10	27841	124.10	4701	136.10	4382
99.10	18709	112.10	3979	125.10	4396	137.10	5210

Average of 9.976 to 9.982 min.: 0408F001.D
DFTPP @ 2.5 ppm SVM25-88H
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
138.05	1433	149.05	3454	161.10	8959	172.00	3100
139.05	1008	150.05	349	162.05	2685	173.05	4154
140.15	1407	151.10	1772	163.05	811	174.05	7893
141.10	17618	153.05	5443	164.05	1124	175.05	13159
142.10	6148	154.10	4924	165.05	6361	176.05	3059
143.05	4166	155.10	10376	166.10	5980	177.00	4837
144.05	1082	156.10	14612	167.10	34802	179.00	25122
145.00	1202	157.10	3572	168.10	12860	180.10	17797
146.10	3083	158.00	3266	169.10	2967	181.10	8968
147.10	8855	159.05	2573	170.10	1353	182.10	1738
148.10	17704	160.10	5292	171.05	1855	183.10	1143

Average of 9.976 to 9.982 min.: 0408F001.D
DFTPP @ 2.5 ppm SVM25-88H
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
184.10	2497	196.05	31789	209.00	2057	225.10	30021
185.10	14723	198.00	870698	211.05	9028	227.00	40666
186.10	106560	199.00	61098	213.05	588	228.05	6212
187.10	28490	200.05	4766	214.10	255	229.00	9406
188.10	3478	201.50	5023	215.00	2022	230.05	1404
189.05	5848	203.05	5324	217.00	51277	231.05	4650
190.00	1021	204.10	28218	218.00	6589	231.95	713
191.10	3341	205.10	51370	219.05	820	233.05	982
192.10	8624	206.10	207530	221.00	66029	234.00	2793
193.05	8859	207.05	28281	223.10	14544	235.00	3360
194.10	2217	208.05	6389	224.10	117098	236.05	2438

Average of 9.976 to 9.982 min.: 0408F001.D
DFTPP @ 2.5 ppm SVM25-88H
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
237.00	3509	249.00	4258	260.00	963	273.00	19242
238.05	575	250.00	755	261.00	888	274.00	46309
239.00	1907	251.00	901	263.05	275	275.00	266496
240.00	1602	252.05	1097	263.90	849	276.00	36024
241.00	3002	253.00	1724	265.00	10098	277.00	17658
242.05	6800	253.20	892	265.95	1608	278.00	2918
244.10	110117	255.00	500330	267.00	102	278.90	218
245.10	14922	256.00	74498	267.20	138	279.05	572
246.00	15913	257.05	6117	267.85	551	281.00	441
247.00	3652	258.00	23984	269.95	789	282.00	548
248.05	816	259.00	4111	271.00	1108	283.00	2434

Average of 9.976 to 9.982 min.: 0408F001.D
DFTPP @ 2.5 ppm SVM25-88H
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
284.05	1574	297.95	722	311.90	150	324.00	5185
285.05	3323	299.00	101	312.95	805	325.00	439
286.00	706	301.05	1217	314.00	3756	326.00	441
289.00	873	302.00	1353	315.00	7273	327.00	4858
289.95	734	303.00	7614	316.00	4547	328.00	2334
290.95	560	304.00	2445	317.00	990	328.95	501
292.05	1061	305.00	237	319.90	117	331.10	102
293.00	4722	307.95	1152	320.05	302	332.00	1887
294.00	1431	309.00	877	321.00	2793	333.05	2631
296.00	62378	309.95	941	322.10	568	334.00	16092
297.00	8889	311.10	110	323.00	25424	335.00	4303

Average of 9.976 to 9.982 min.: 0408F001.D
DFTPP @ 2.5 ppm SVM25-88H
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
336.00	636	354.00	8745	373.00	3976	393.00	102
338.90	393	355.00	1833	373.80	135	396.90	120
340.00	356	355.90	127	373.95	216	401.00	1619
341.00	3457	359.00	767	376.90	454	402.00	8028
342.00	891	365.00	37173	383.00	4925	403.00	11562
346.00	5294	365.95	5156	383.95	1466	404.00	3873
346.90	966	366.80	169	384.90	322	404.95	496
350.00	310	367.00	135	389.00	106	409.95	376
351.00	402	369.95	1008	390.00	2910	414.90	588
352.00	8981	371.05	2916	390.95	1834	421.00	12438
353.00	5921	372.00	16583	392.00	1663	422.00	11532

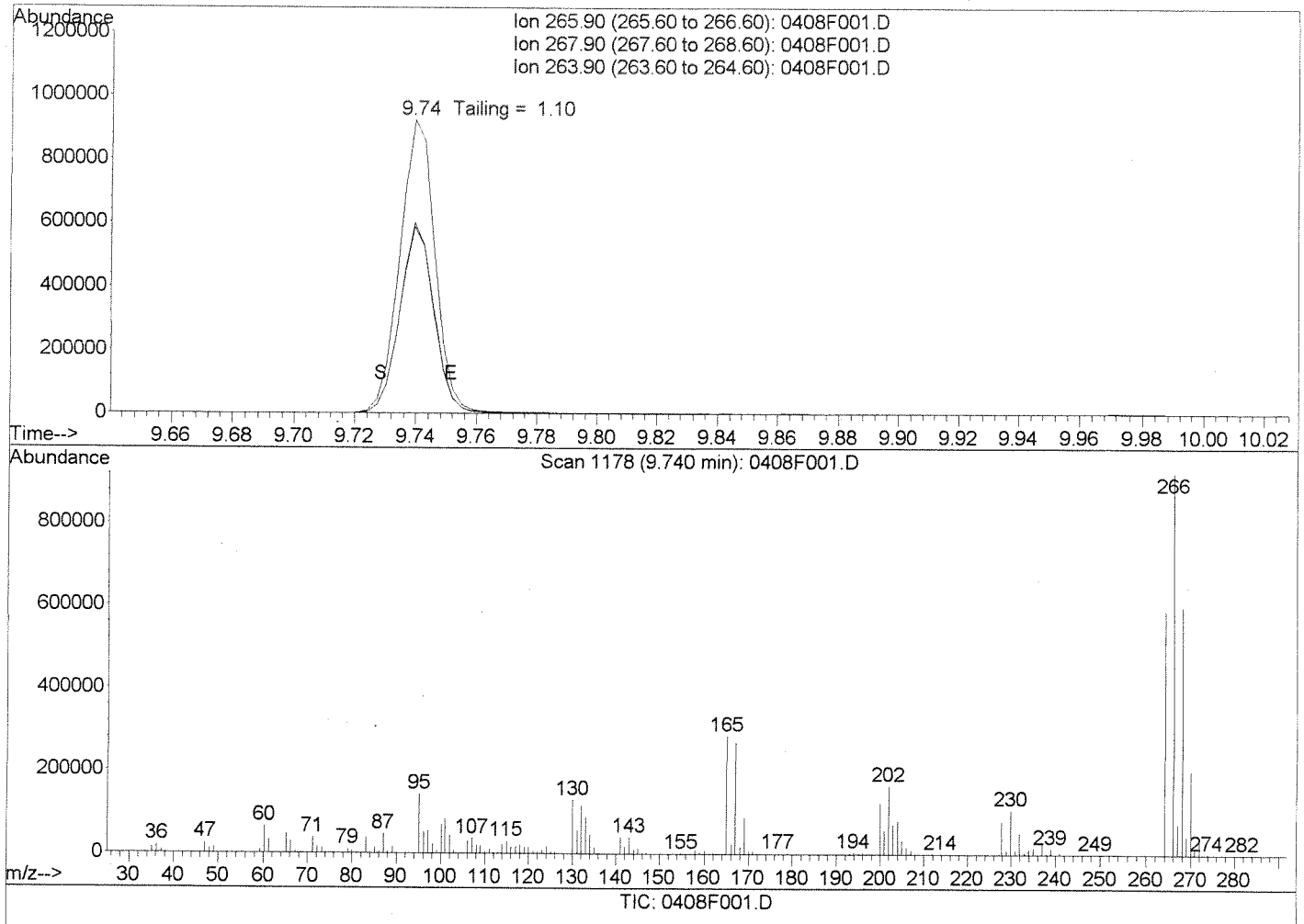
Average of 9.976 to 9.982 min.: 0408F001.D
DFTPP @ 2.5 ppm SVM25-88H
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
423.00	87773	444.00	34749				
424.00	17371	444.95	1819				
425.00	1536						
430.00	106						
437.10	312						
437.80	330						
438.20	201						
439.05	986						
441.05	323477						
442.00	1772885						
443.00	375936						

Data File : J:\MS20\DATA\040808\0408F001.D
Acq On : 8 Apr 2008 17:20
Sample : DFTPP @ 2.5 ppm SVM25-88H
Misc :
MS Integration Params: rteint.p

Vial: 1
Operator: JGISH
Inst : MS20
Multiplr: 1.00

Method : J:\MS20\METHODS\DFTPPLVI.M (RTE Integrator)
Title : DFTPP
Last Update : Wed Apr 02 09:18:03 2008
Response via : Initial Calibration



(1) Pentachlorophenol

Exp R.T. 9.74min

response 0

Ion	Exp%	Act%
265.90	100	100
267.90	64.90	64.90
263.90	63.60	63.55
0.00	0.00	0.00

0408F001.D DFTPPLVI.M Wed Apr 09 09:17:39 2008

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 04/08/2008

Initial Calibration Summary
1,4-Dioxane by GC/MS

Calibration ID: CAL7233
Instrument ID: MS20

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS20\DATA\040808\0408F003.D	E	J:\MS20\DATA\040808\0408F007.D
B	J:\MS20\DATA\040808\0408F004.D	F	J:\MS20\DATA\040808\0408F008.D
C	J:\MS20\DATA\040808\0408F005.D	G	J:\MS20\DATA\040808\0408F009.D
D	J:\MS20\DATA\040808\0408F006.D		

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
1,4-Dioxane	A	2.0	0.544	B	5.0	0.532	C	10	0.517	D	50	0.484	E	100	0.480
	F	250	0.503	G	500	0.502									
1,4-Dioxane-d8	A	2.0	0.420	B	5.0	0.439	C	10	0.431	D	50	0.401	E	100	0.393
	F	250	0.413	G	500	0.412									

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 04/08/2008

Initial Calibration Summary
1,4-Dioxane by GC/MS

Calibration ID: CAL7233
Instrument ID: MS20

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
1,4-Dioxane	MS	AverageRF	% RSD	4.6		≤ 15	0.509		0.01
1,4-Dioxane-d8	SURR	AverageRF	% RSD	3.9		≤ 15	0.416		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Calibration Date: 04/08/2008
Date Analyzed: 04/08/2008

Second Source Calibration Verification
1,4-Dioxane by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C SIM

Calibration ID: CAL7233
Units: ng/ml

File ID: J:\MS20\DATA\040808\0408F010.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
1,4-Dioxane	50	47	0.509	0.475	-7	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Injection Log

Directory: J:\MS20\DATA\040808

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0408F001.D	1.	DFTPP @ 2.5 ppm SVM25-88H		8 Apr 2008 17:20
2	2	0408F002.D	1.	IB		8 Apr 2008 17:46
3	3	0408F003.D	1.	DXNDMA @ 2 PPB SVM25-26C	MJ895	8 Apr 2008 18:05
4	4	0408F004.D	1.	DXNDMA @ 5 PPB SVM25-26D		8 Apr 2008 18:23
5	5	0408F005.D	1.	DXNDMA @ 10 PPB SVM25-26E		8 Apr 2008 18:41
6	6	0408F006.D	1.	DXNDMA @ 50 PPB SVM25-26F		8 Apr 2008 19:01
7	7	0408F007.D	1.	DXNDMA @ 100 PPB SVM25-26G	CAL 7233	8 Apr 2008 19:19
8	8	0408F008.D	1.	DXNDMA @ 250 PPB SVM25-26H		8 Apr 2008 19:39
9	9	0408F009.D	1.	DXNDMA @ 500 PPB SVM25-26I		8 Apr 2008 19:58
10	10	0408F010.D	1.	DXNDMA ICV @ 50 PPB SVM25-74K		8 Apr 2008 20:17
11	11	0408F011.D	1.	KWG0803055-MB		8 Apr 2008 20:35
12	12	0408F012.D	1.	KWG0803055-LCS		8 Apr 2008 20:55
13	13	0408F013.D	1.	KWG0803055-DLCS		8 Apr 2008 21:14
14	14	0408F014.D	1.	P0800807-001MS		8 Apr 2008 21:34
15	15	0408F015.D	1.	P0800807-001MSD		8 Apr 2008 21:53
16	16	0408F016.D	1.	P0800807-001		8 Apr 2008 22:12
17	17	0408F017.D	1.	KWG0802930-MB		8 Apr 2008 22:31
18	18	0408F018.D	1.	KWG0802930-LCS		8 Apr 2008 22:49
19	19	0408F019.D	1.	KWG0802930-DLCS		8 Apr 2008 23:08
20	20	0408F020.D	1.	K0802637-001		8 Apr 2008 23:28
21	21	0408F021.D	1.	K0802637-002		8 Apr 2008 23:46
22	22	0408F022.D	1.	K0802637-003		9 Apr 2008 00:05
23	23	0408F023.D	1.	KWG0803108-MB	> NR	9 Apr 2008 00:24
24	24	0408F024.D	1.	KWG0803108-LCS		9 Apr 2008 00:43
25		0408F025.D	1.			

4/9/8 Run 111593

4/9/8

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F002.D Vial: 2
Acq On : 8 Apr 2008 17:46 Operator: JGISH
Sample : IB Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 09 09:18:01 2008 Quant Results File: 0408DXNDMA.RES

Quant Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Initial Calibration
DataAcq Meth : DIOXNDMA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	75724m	50.00	ng/ml	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/ml	
Spiked Amount 50.000			Recovery =	0.00%		
5) NDMA-d6	0.00	80	0	0.00	ng/ml	
Spiked Amount 50.000			Recovery =	0.00%		

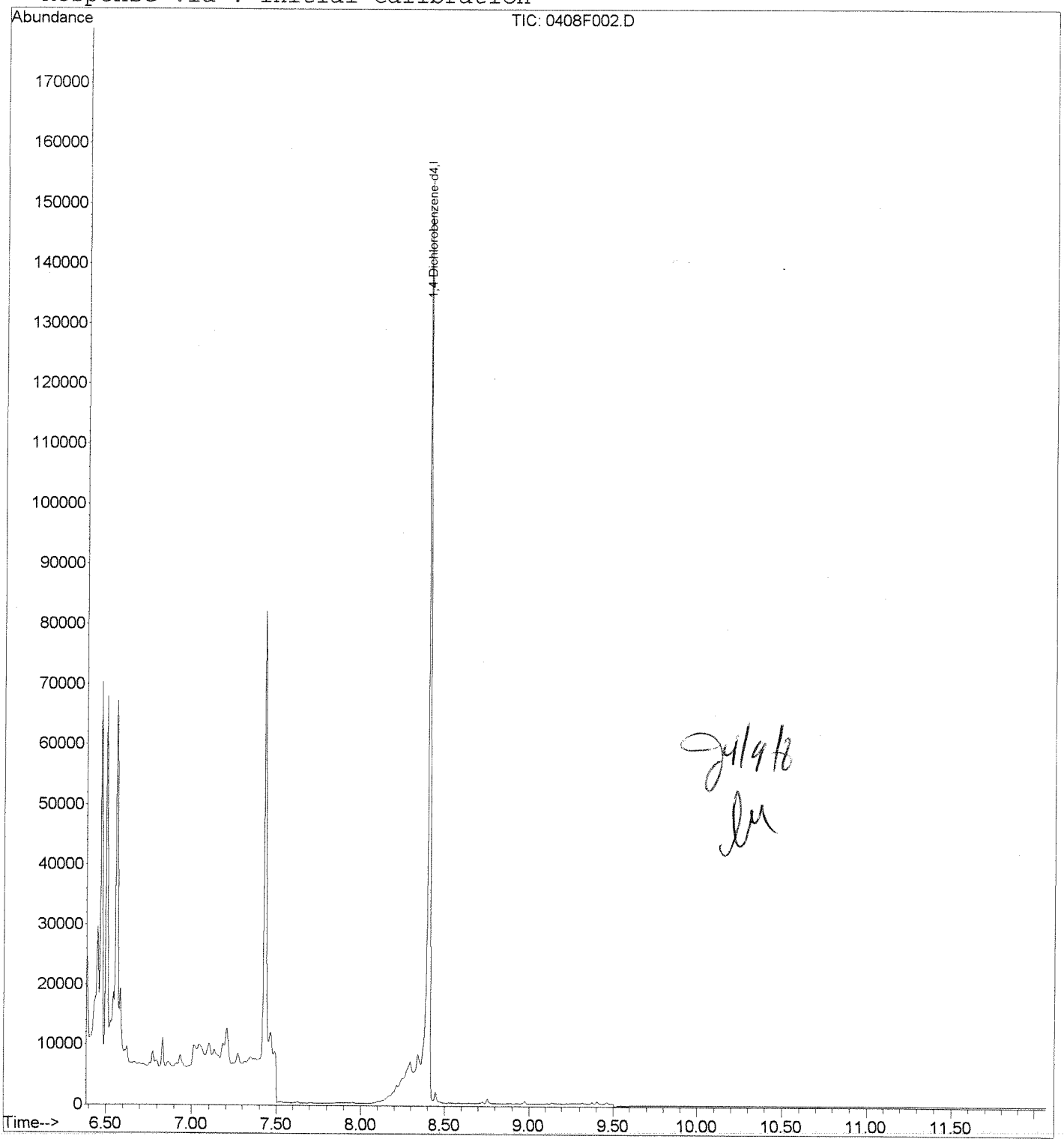
Target Compounds Qvalue

4/9/08

(#) = qualifier out of range (m) = manual integration
0408F002.D 0408DXNDMA.M Wed Apr 09 09:18:36 2008 Page 1

Data File : J:\MS20\DATA\040808\0408F002.D Vial: 2
Acq On : 8 Apr 2008 17:46 Operator: JGISH
Sample : IB Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:18 2008 Quant Results File: 0408DXNDMA.R

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : J:\MS20\DATA\040808\0408F003.D Vial: 3
Acq On : 8 Apr 2008 18:05 Operator: JGISH
Sample : DXNDMA @ 2 PPB SVM25-26C Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 09 09:03:30 2008 Quant Results File: 0408DXNDMA.RES

Quant Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Initial Calibration
DataAcq Meth : DIOXNDMA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	74207m	50.00	ng/ml	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.69	96	1246	2.35	ng/ml	0.00
Spiked Amount 50.000			Recovery =	4.70%		
5) NDMA-d6	6.82	80	2029	2.01	ng/ml	0.00
Spiked Amount 50.000			Recovery =	4.02%		
Target Compounds						Qvalue
2) 1,4-Dioxane	6.71	88	1615	2.45	ng/ml#	72
4) N-Nitrosodimethylamine	6.83	74	2094	2.03	ng/ml#	45

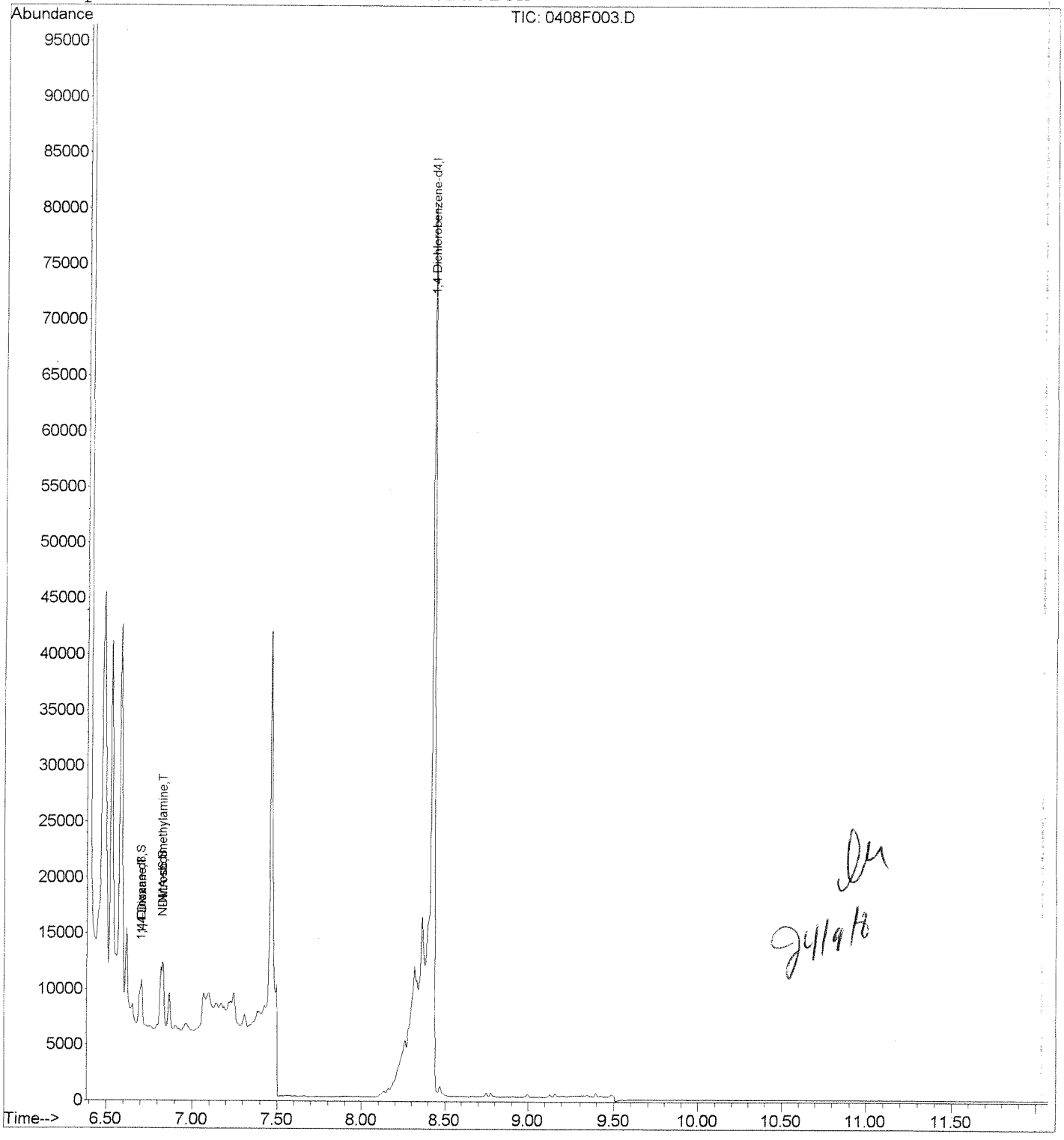
4/14/08

(#) = qualifier out of range (m) = manual integration
0408F003.D 0408DXNDMA.M Wed Apr 09 09:18:37 2008 Page 1

Quantitation Report (Not Reviewed)

Data File : J:\MS20\DATA\040808\0408F003.D Vial: 3
Acq On : 8 Apr 2008 18:05 Operator: JGISH
Sample : DXNDMA @ 2 PPB SVM25-26C Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:04 2008 Quant Results File: 0408DXNDMA.R

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Initial Calibration



JH
4/9/08

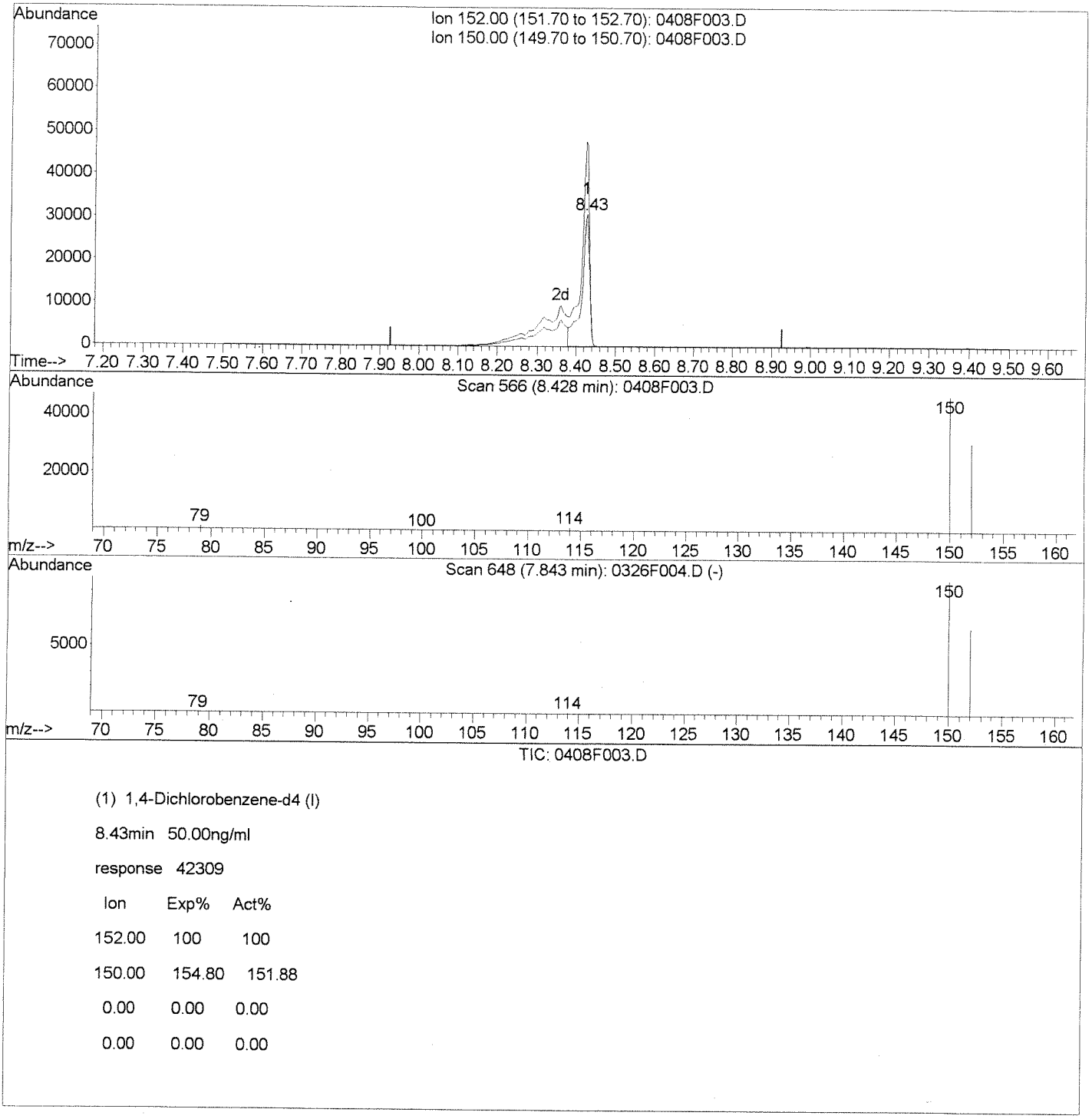
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F003.D
Acq On : 8 Apr 2008 18:05
Sample : DXNDMA @ 2 PPB SVM25-26C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:03 2008

Vial: 3
Operator: JGISH
Inst : MS20
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Multiple Level Calibration



(1) 1,4-Dichlorobenzene-d4 (I)

8.43min 50.00ng/ml

response 42309

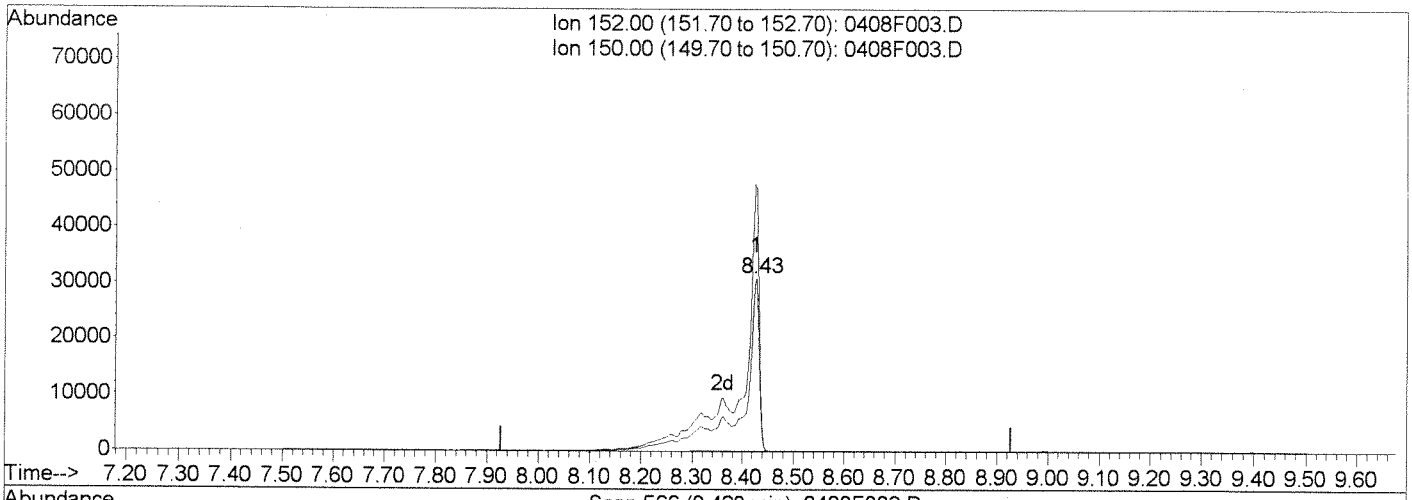
Ion	Exp%	Act%
152.00	100	100
150.00	154.80	151.88
0.00	0.00	0.00
0.00	0.00	0.00

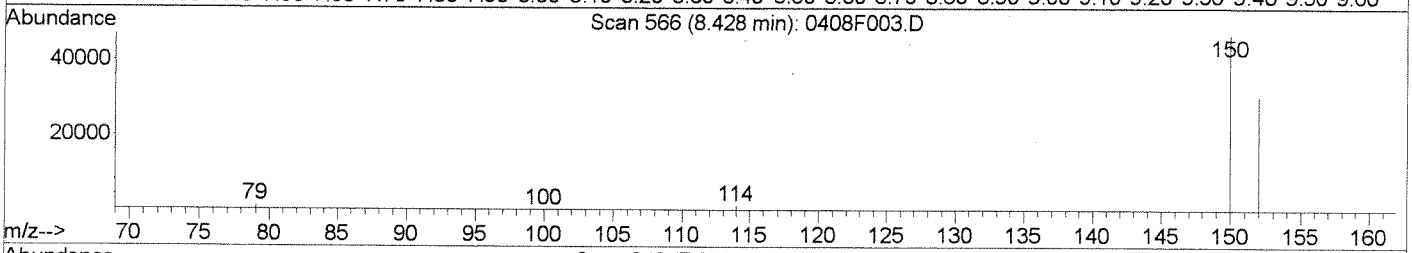
0408F003.D 0408DXNDMA.M Wed Apr 09 09:04:05 2008

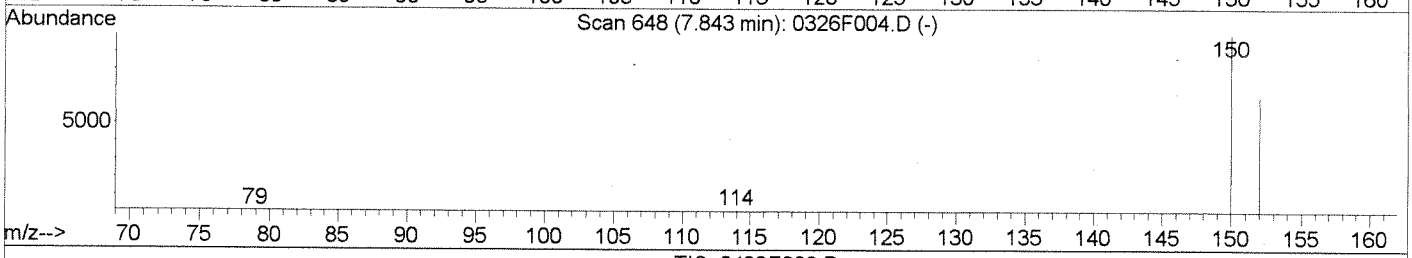
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F003.D Vial: 3
Acq On : 8 Apr 2008 18:05 Operator: JGISH
Sample : DXNDMA @ 2 PPB SVM25-26C Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:04 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Multiple Level Calibration







TIC: 0408F003.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.43min 50.00ng/ml m

response 74207

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	151.88
0.00	0.00	0.00
0.00	0.00	0.00

4/9/08

0408F003.D 0408DXNDMA.M Wed Apr 09 09:04:14 2008

Data File : J:\MS20\DATA\040808\0408F004.D Vial: 4
Acq On : 8 Apr 2008 18:23 Operator: JGISH
Sample : DXNDMA @ 5 PPB SVM25-26D Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 09 09:03:30 2008 Quant Results File: 0408DXNDMA.RES

Quant Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Initial Calibration
DataAcq Meth : DIOXNDMA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	77583m	50.00	ng/ml	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.68	96	3408	6.15	ng/ml	0.00
Spiked Amount 50.000			Recovery = 12.30%			
5) NDMA-d6	6.80	80	5460	5.17	ng/ml	-0.01
Spiked Amount 50.000			Recovery = 10.34%			
Target Compounds						Qvalue
2) 1,4-Dioxane	6.69	88	4126	5.98	ng/ml	90
4) N-Nitrosodimethylamine	6.81	74	5631	5.22	ng/ml#	61

4/9/08

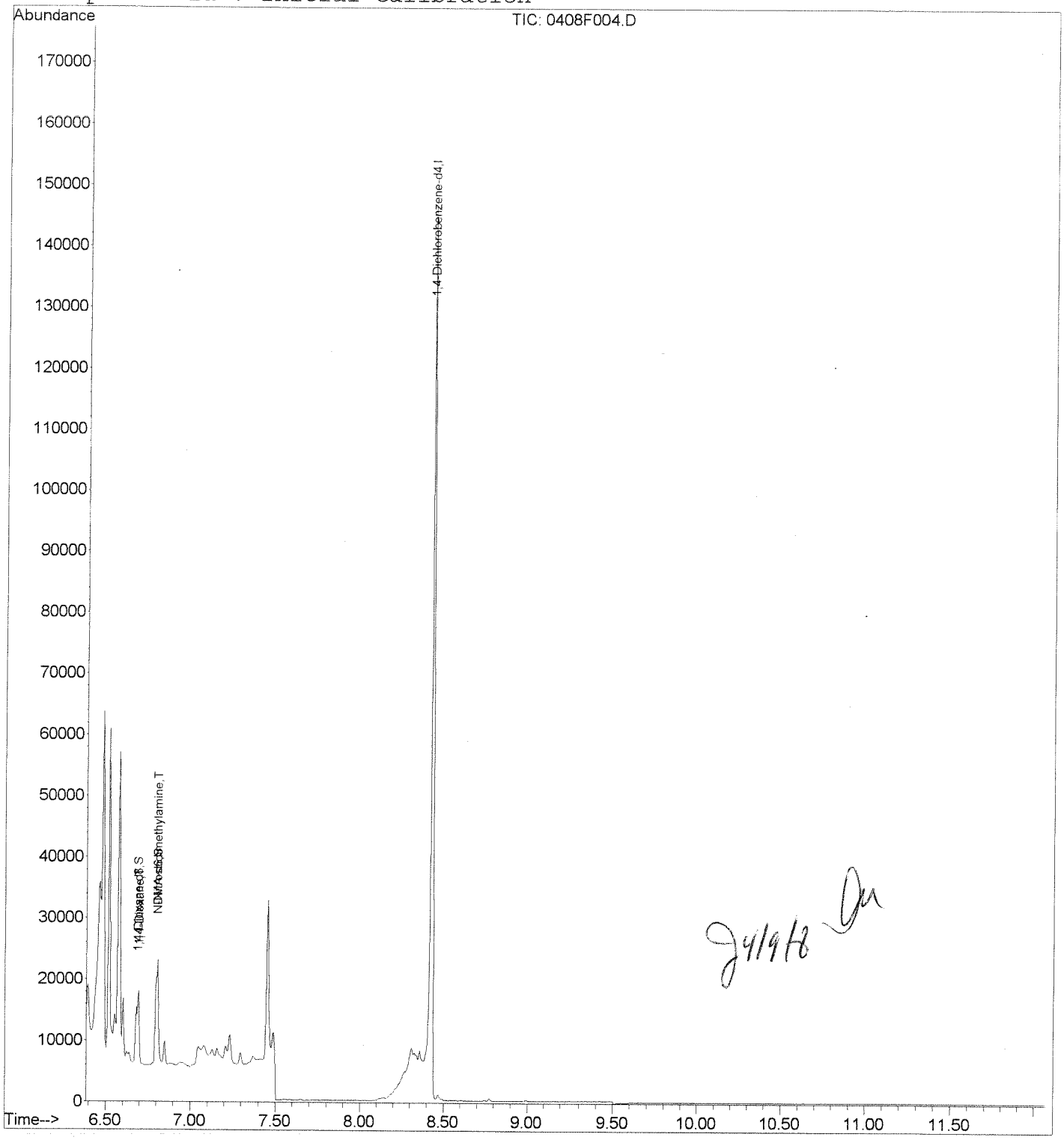
(#) = qualifier out of range (m) = manual integration
0408F004.D 0408DXNDMA.M Wed Apr 09 09:18:38 2008 Page 1

Data File : J:\MS20\DATA\040808\0408F004.D
Acq On : 8 Apr 2008 18:23
Sample : DXNDMA @ 5 PPB SVM25-26D
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:04 2008

Vial: 4
Operator: JGISH
Inst : MS20
Multiplr: 1.00

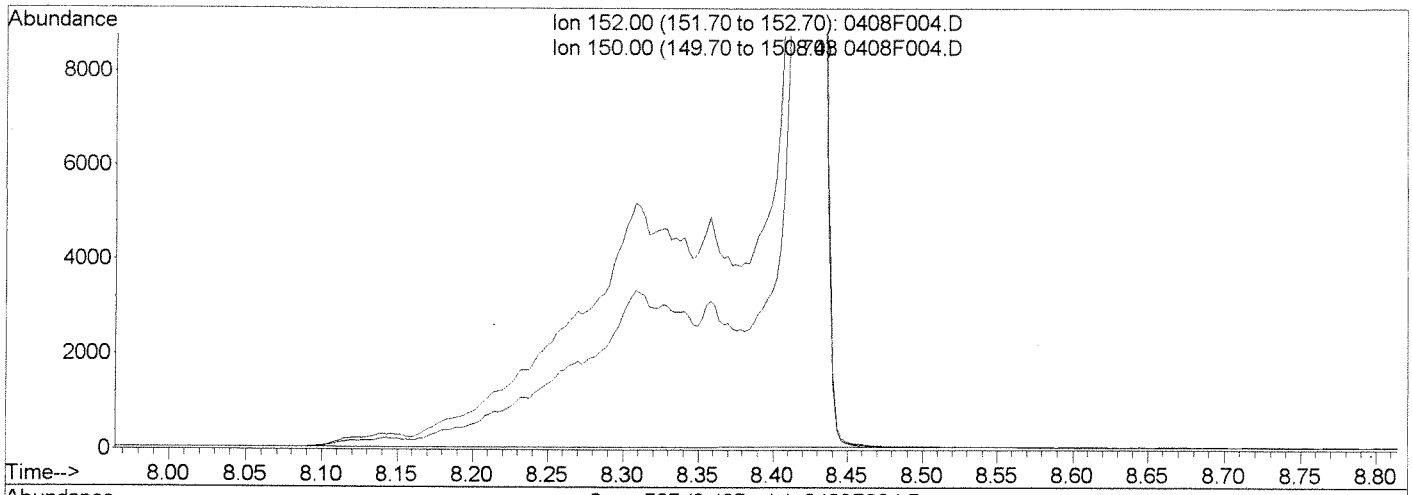
Quant Results File: 0408DXNDMA.R

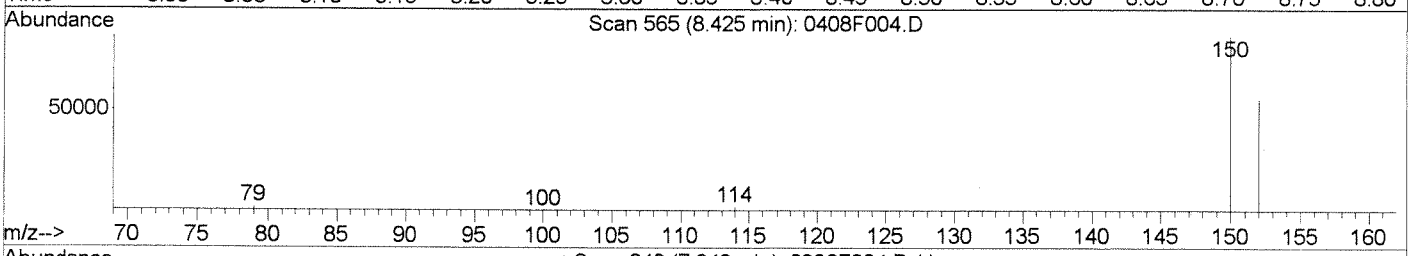
Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Initial Calibration

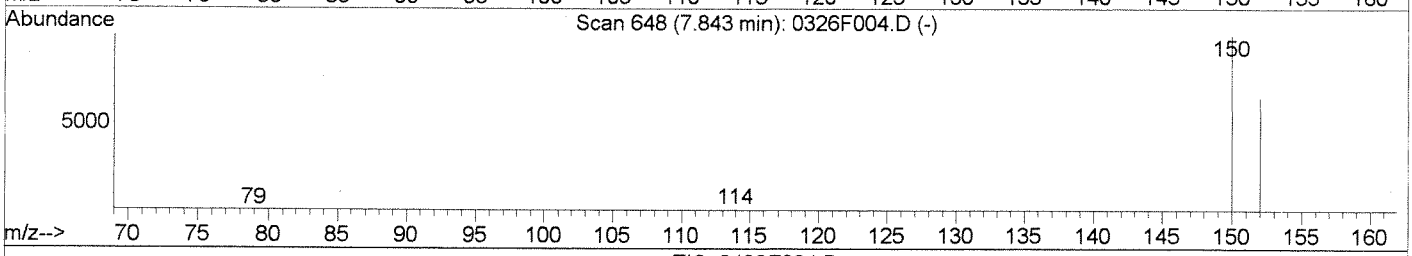


Data File : J:\MS20\DATA\040808\0408F004.D Vial: 4
Acq On : 8 Apr 2008 18:23 Operator: JGISH
Sample : DXNDMA @ 5 PPB SVM25-26D Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:04 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Multiple Level Calibration







TIC: 0408F004.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.43min 50.00ng/ml m

response 77583

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	156.10
0.00	0.00	0.00
0.00	0.00	0.00

4/9/8 IC

0408F004.D 0408DXNDMA.M Wed Apr 09 09:04:45 2008

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F005.D Vial: 5
Acq On : 8 Apr 2008 18:41 Operator: JGISH
Sample : DXNDMA @ 10 PPB SVM25-26E Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 09 09:03:31 2008 Quant Results File: 0408DXNDMA.RES

Quant Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Initial Calibration
DataAcq Meth : DIOXNDMA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.32	152	75000m	50.00	ng/ml	-0.11
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.66	96	6464	12.07	ng/ml	-0.03
Spiked Amount 50.000			Recovery =	24.14%		
5) NDMA-d6	6.78	80	10553	10.35	ng/ml	-0.03
Spiked Amount 50.000			Recovery =	20.70%		
Target Compounds						Qvalue
2) 1,4-Dioxane	6.68	88	7750m	11.62	ng/ml	
4) N-Nitrosodimethylamine	6.79	74	10754	10.31	ng/ml#	86

4/14/8

(#) = qualifier out of range (m) = manual integration
0408F005.D 0408DXNDMA.M Wed Apr 09 09:18:40 2008 Page 1

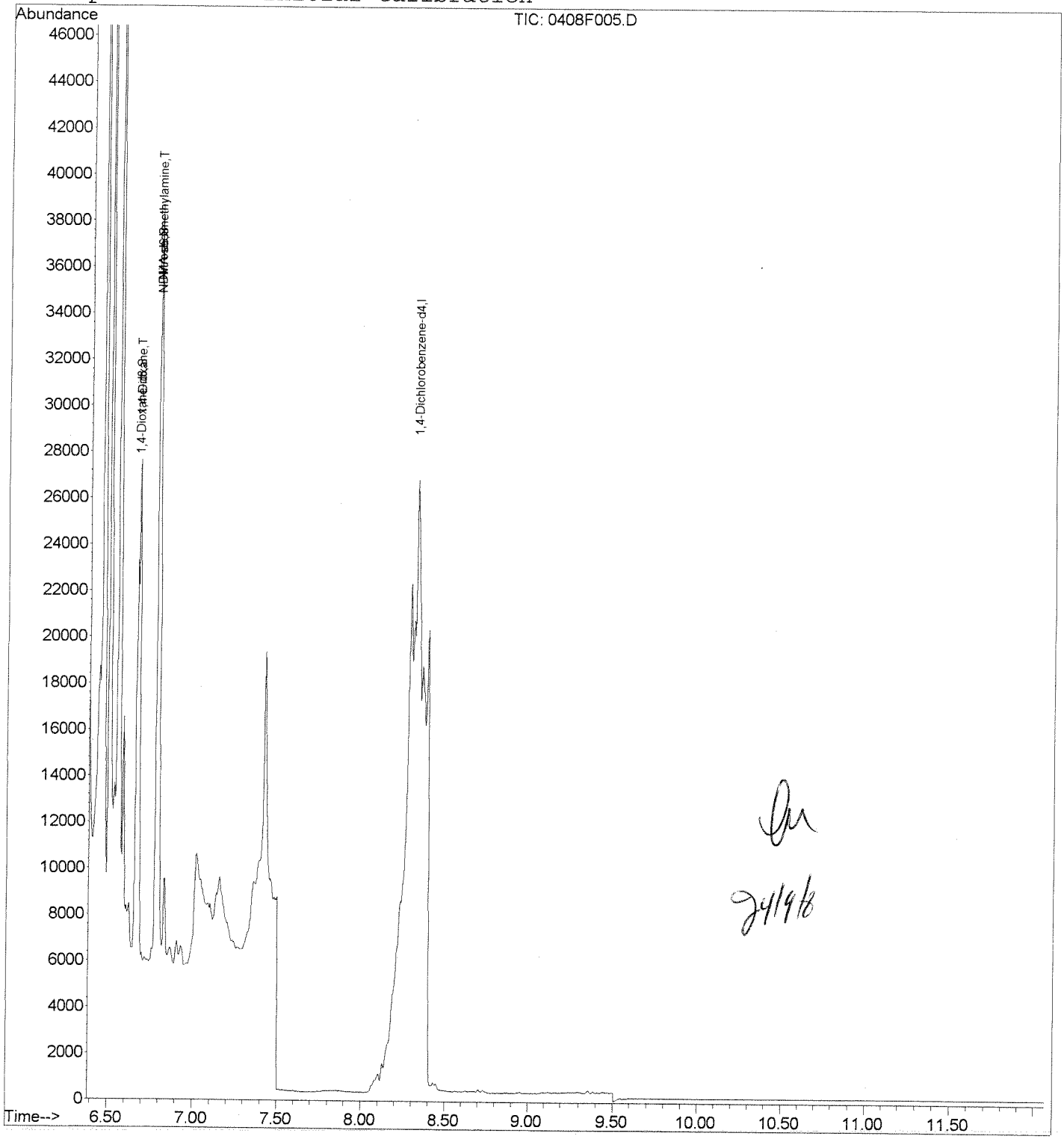
Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F005.D
Acq On : 8 Apr 2008 18:41
Sample : DXNDMA @ 10 PPB SVM25-26E
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:05 2008

Vial: 5
Operator: JGISH
Inst : MS20
Multiplr: 1.00

Quant Results File: 0408DXNDMA.R

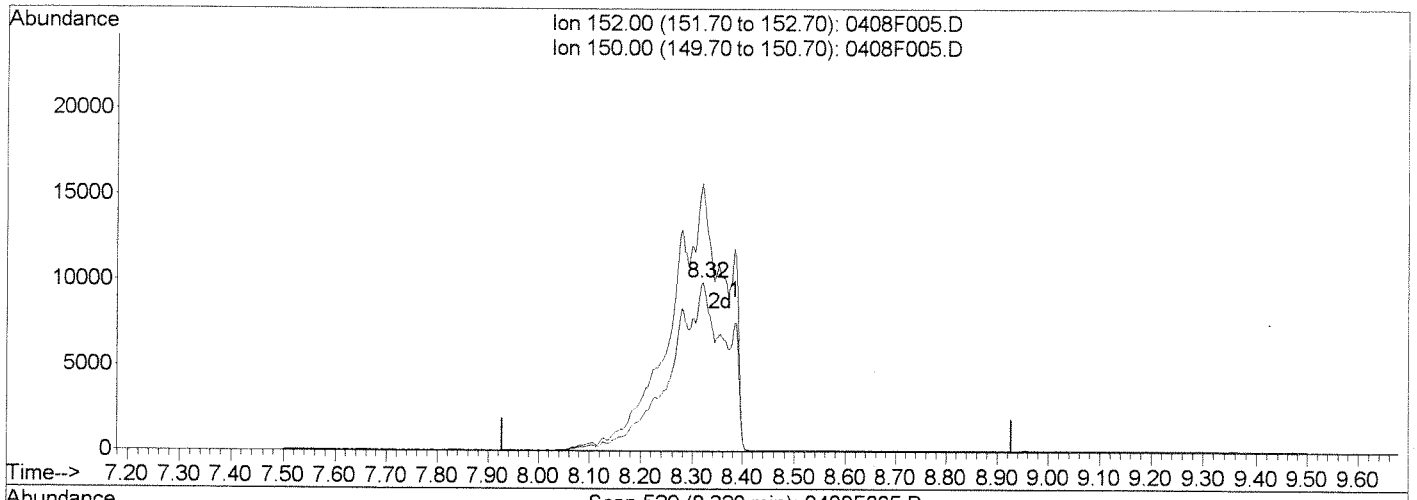
Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Initial Calibration

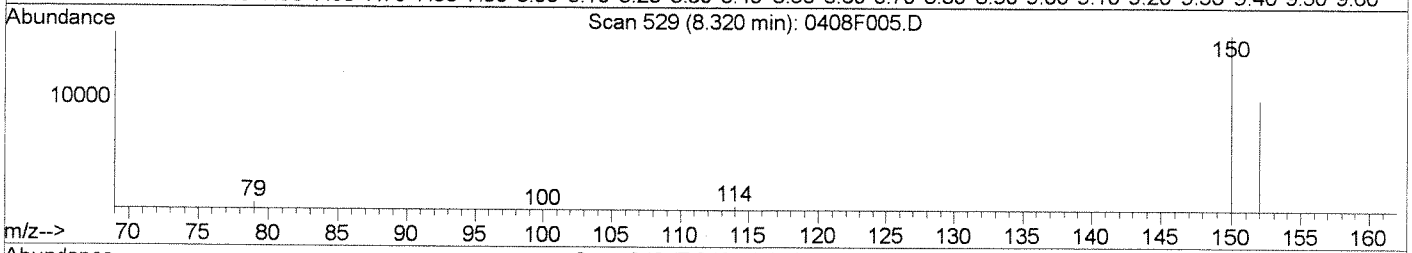


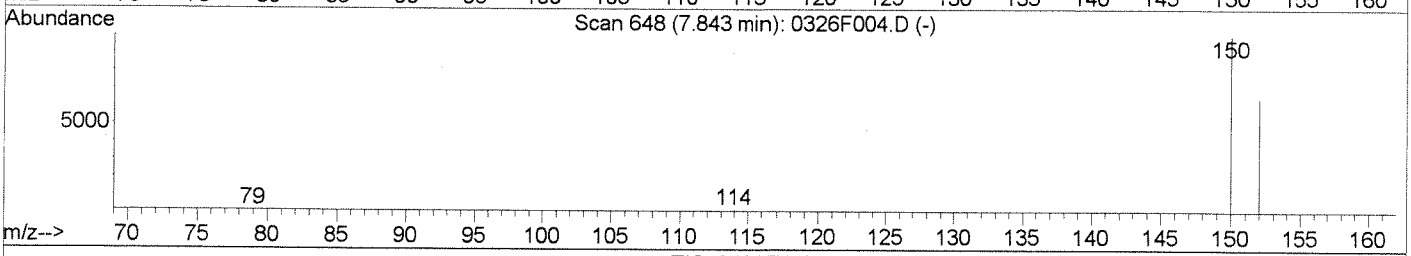
JJ 4/9/08

Data File : J:\MS20\DATA\040808\0408F005.D Vial: 5
Acq On : 8 Apr 2008 18:41 Operator: JGISH
Sample : DXNDMA @ 10 PPB SVM25-26E Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:05 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Multiple Level Calibration







TIC: 0408F005.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.32min 50.00ng/ml m

response 75000

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	158.29
0.00	0.00	0.00
0.00	0.00	0.00

4/9/08 IC

0408F005.D 0408DXNDMA.M Wed Apr 09 09:05:08 2008

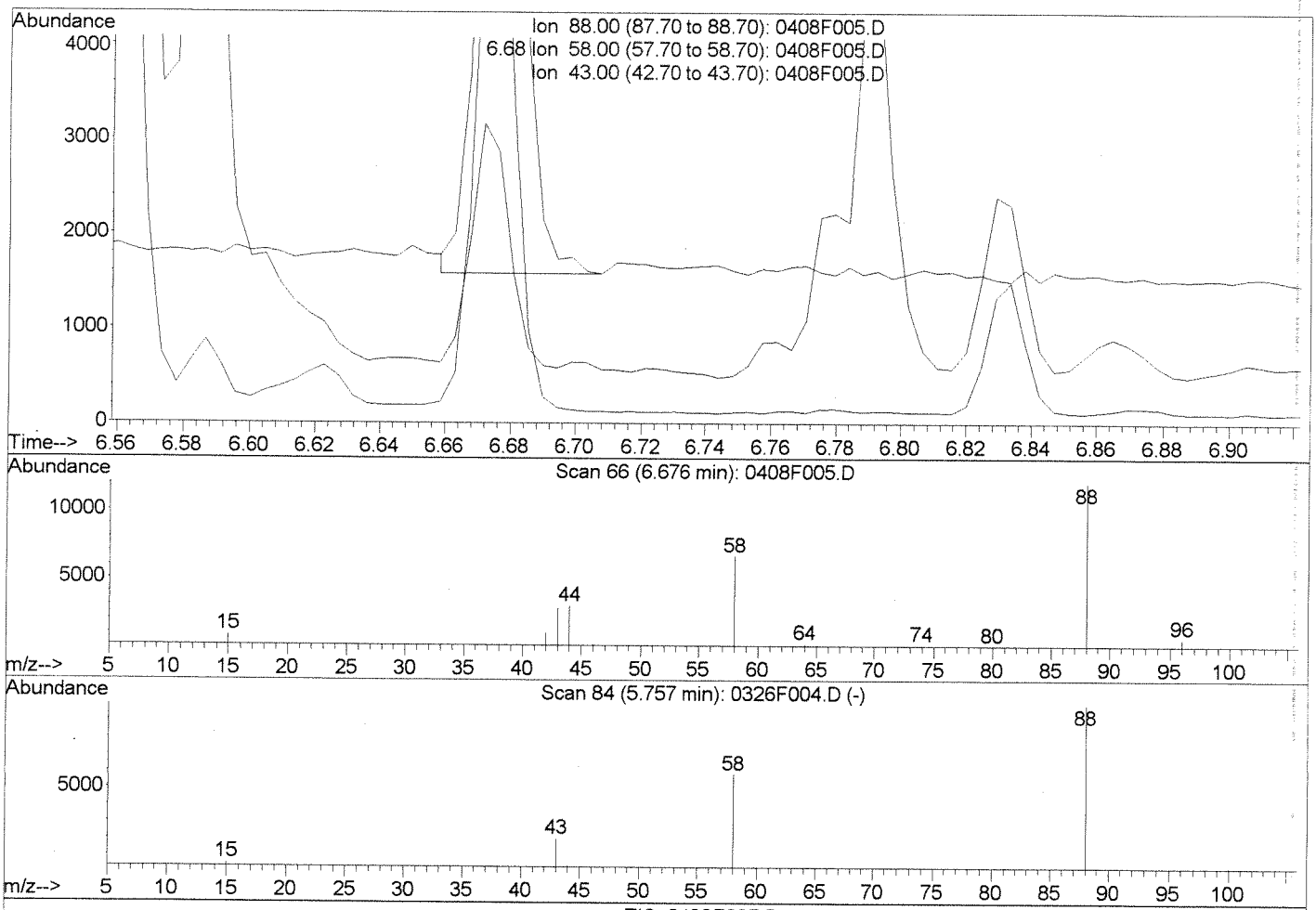
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F005.D
Acq On : 8 Apr 2008 18:41
Sample : DXNDMA @ 10 PPB SVM25-26E
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:05 2008

Vial: 5
Operator: JGISH
Inst : MS20
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Multiple Level Calibration



(2) 1,4-Dioxane (T)

6.68min 12.14ng/ml

response 8100

Ion	Exp%	Act%
88.00	100	100
58.00	59.20	55.05
43.00	22.90	23.67
0.00	0.00	0.00

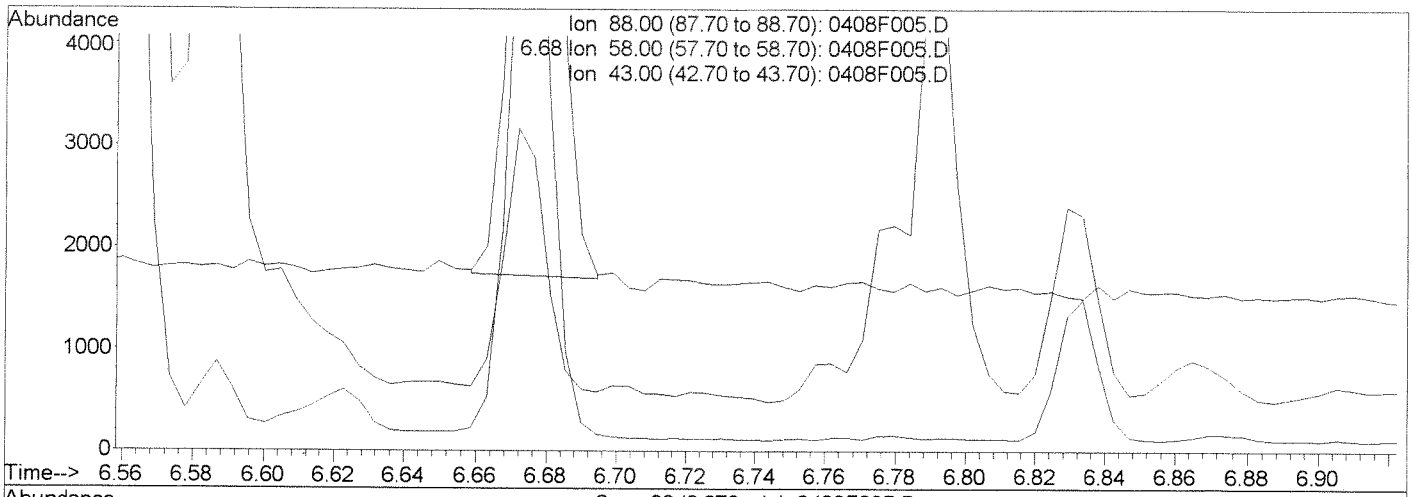
0408F005.D 0408DXNDMA.M Wed Apr 09 09:05:31 2008

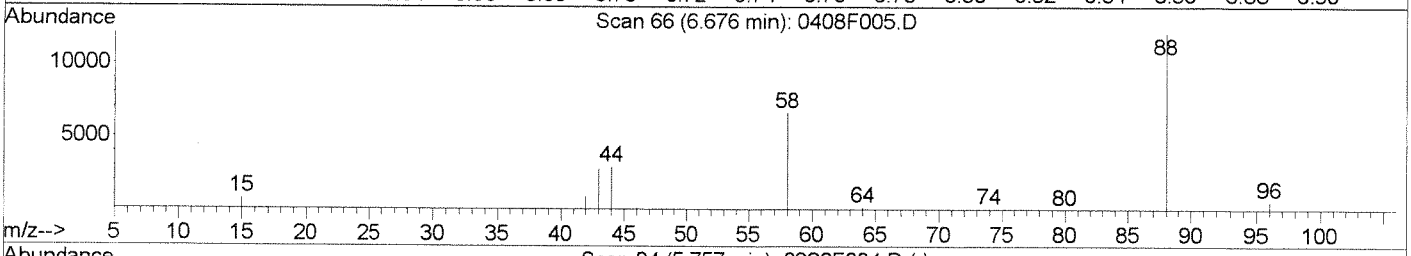
Quantitation Report (Qedit)

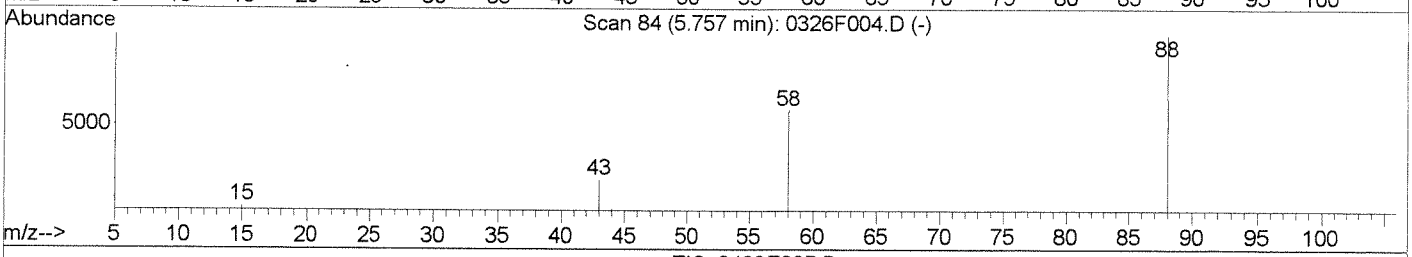
Data File : J:\MS20\DATA\040808\0408F005.D
Acq On : 8 Apr 2008 18:41
Sample : DXNDMA @ 10 PPB SVM25-26E
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:05 2008

Vial: 5
Operator: JGISH
Inst : MS20
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Multiple Level Calibration







TIC: 0408F005.D

(2) 1,4-Dioxane (T)

6.68min 11.62ng/ml m

response 7750

Ion	Exp%	Act%
88.00	100	100
58.00	59.20	55.05
43.00	22.90	23.67
0.00	0.00	0.00

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0408F005.D 0408DXNDMA.M Wed Apr 09 09:05:40 2008

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F006.D Vial: 6
Acq On : 8 Apr 2008 19:01 Operator: JGISH
Sample : DXNDMA @ 50 PPB SVM25-26F Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: intp1.p
Quant Time: Apr 09 09:01:54 2008 Quant Results File: 0408DXNDMA.RES

Quant Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Initial Calibration
DataAcq Meth : DIOXNDMA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	85840m	50.00	ng/ml	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.69	96	34406	56.14	ng/ml	0.00
Spiked Amount 50.000			Recovery =	112.28%		
5) NDMA-d6	6.81	80	61183	52.41	ng/ml	0.00
Spiked Amount 50.000			Recovery =	104.82%		
Target Compounds						Qvalue
2) 1,4-Dioxane	6.70	88	41539	54.40	ng/ml	100
4) N-Nitrosodimethylamine	6.82	74	62179	52.09	ng/ml	100

4/9/08

(#) = qualifier out of range (m) = manual integration
0408F006.D 0408DXNDMA.M Wed Apr 09 09:18:41 2008 Page 1

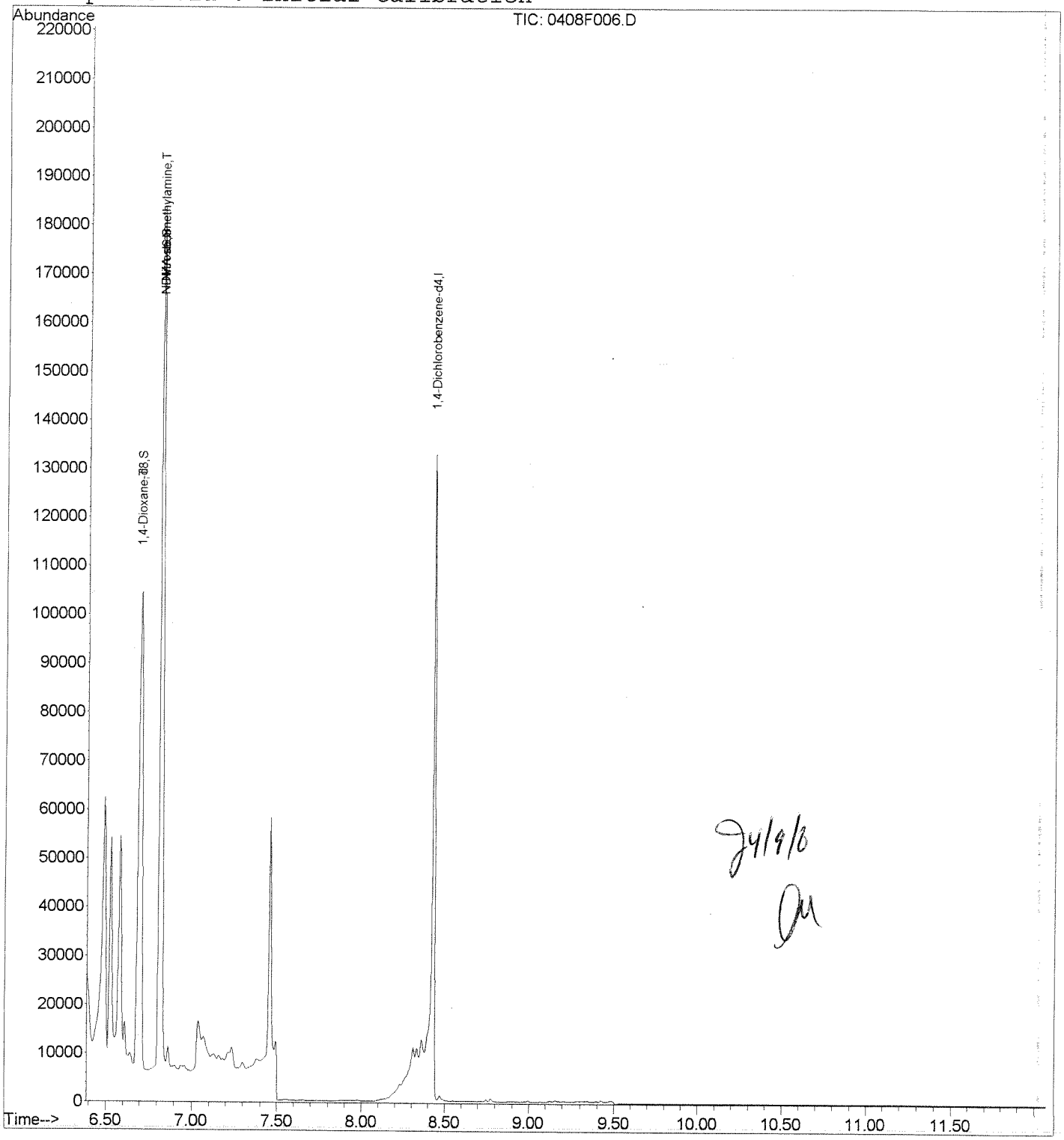
Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F006.D
Acq On : 8 Apr 2008 19:01
Sample : DXNDMA @ 50 PPB SVM25-26F
Misc :
MS Integration Params: intp1.p
Quant Time: Apr 9 9:06 2008

Vial: 6
Operator: JGISH
Inst : MS20
Multiplr: 1.00

Quant Results File: 0408DXNDMA.R

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Initial Calibration



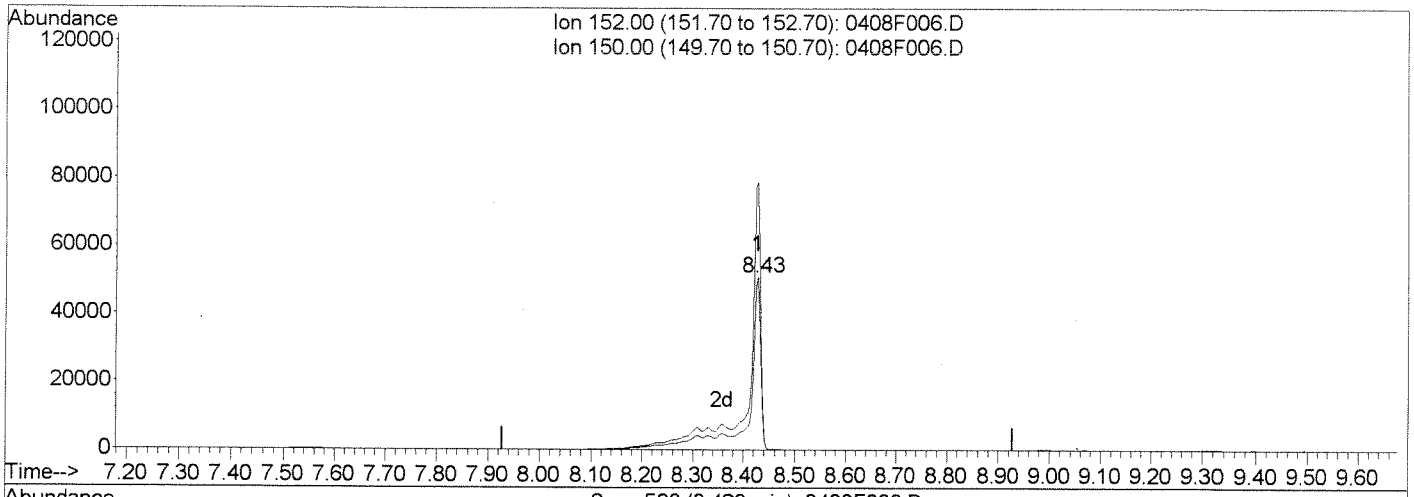
4/9/08

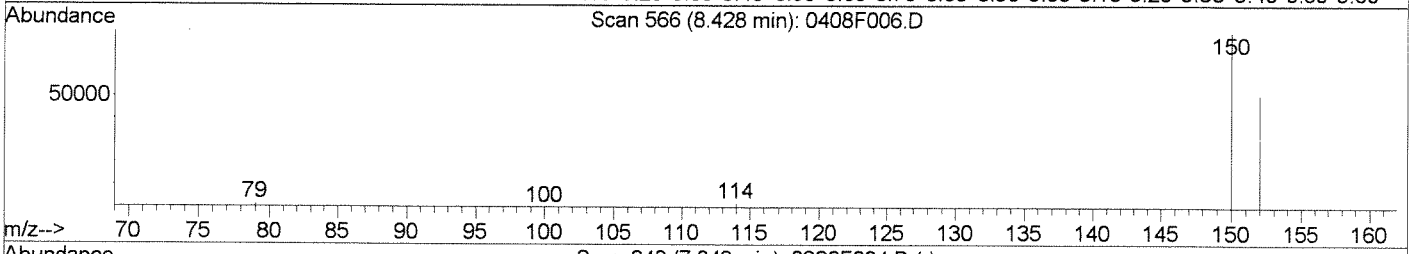
Quantitation Report (Qedit)

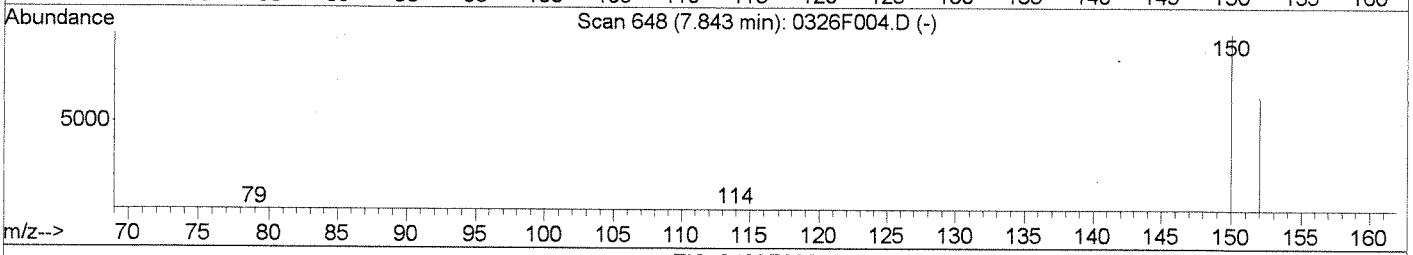
Data File : J:\MS20\DATA\040808\0408F006.D
Acq On : 8 Apr 2008 19:01
Sample : DXNDMA @ 50 PPB SVM25-26F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:06 2008

Vial: 6
Operator: JGISH
Inst : MS20
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Multiple Level Calibration







TIC: 0408F006.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.43min 50.00ng/ml m

response 85840

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	154.77
0.00	0.00	0.00
0.00	0.00	0.00

4/9/08 IC

0408F006.D 0408DXNDMA.M Wed Apr 09 09:06:55 2008

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F007.D Vial: 7
Acq On : 8 Apr 2008 19:19 Operator: JGISH
Sample : DXNDMA @ 100 PPB SVM25-26G Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 09 09:03:31 2008 Quant Results File: 0408DXNDMA.RES

Quant Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Initial Calibration
DataAcq Meth : DIOXNDMA

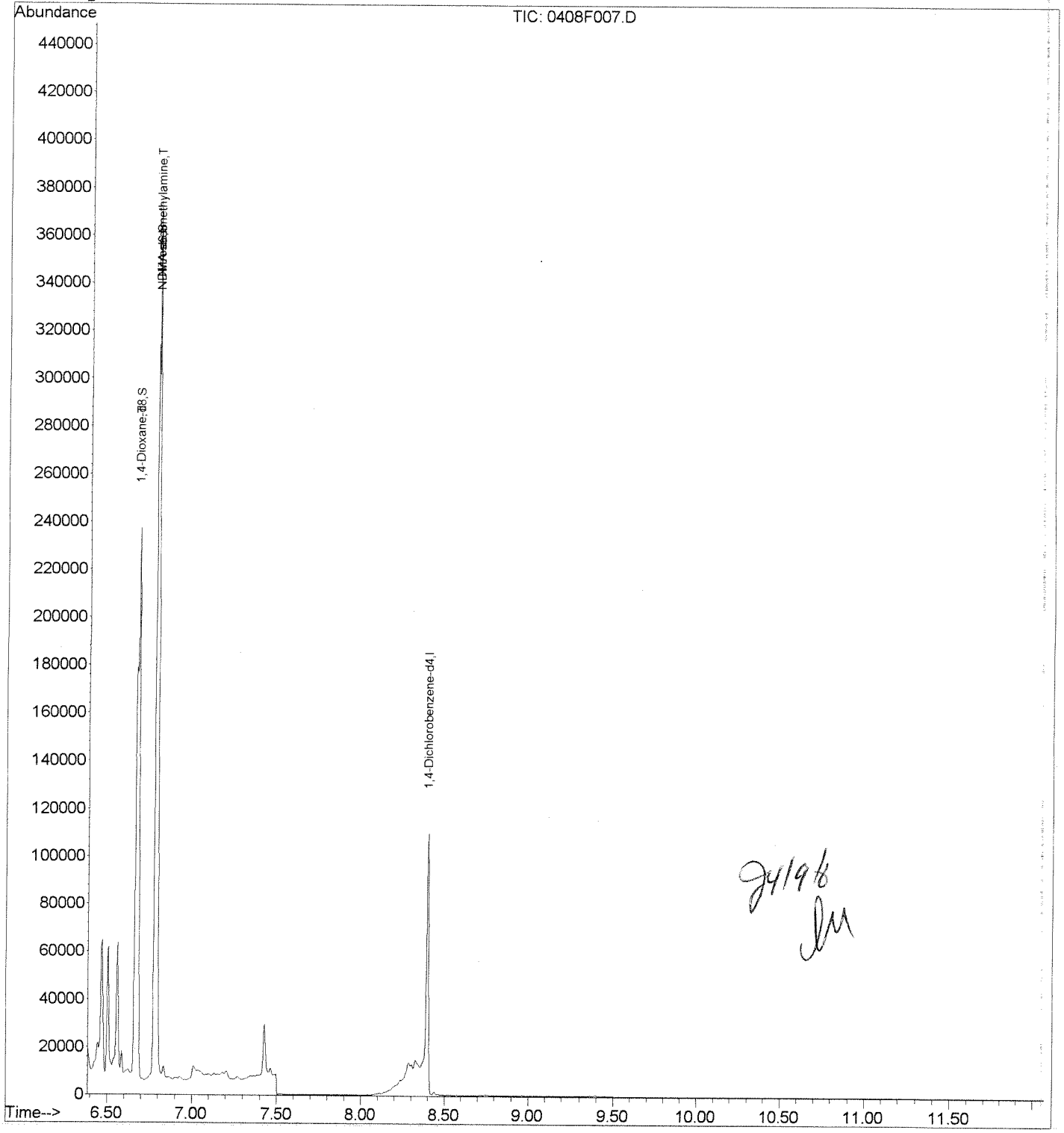
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	83342m	50.00	ng/ml	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.67	96	65586	110.22	ng/ml	-0.02
Spiked Amount 50.000			Recovery = 220.44%			
5) NDMA-d6	6.78	80	120940	106.70	ng/ml	-0.03
Spiked Amount 50.000			Recovery = 213.40%			
Target Compounds						Qvalue
2) 1,4-Dioxane	6.68	88	80083	108.03	ng/ml	89
4) N-Nitrosodimethylamine	6.79	74	120655	104.11	ng/ml	90

(#) = qualifier out of range (m) = manual integration
0408F007.D 0408DXNDMA.M Wed Apr 09 09:18:42 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F007.D Vial: 7
Acq On : 8 Apr 2008 19:19 Operator: JGISH
Sample : DXNDMA @ 100 PPB SVM25-26G Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:07 2008 Quant Results File: 0408DXNDMA.R

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Initial Calibration



4/9/08

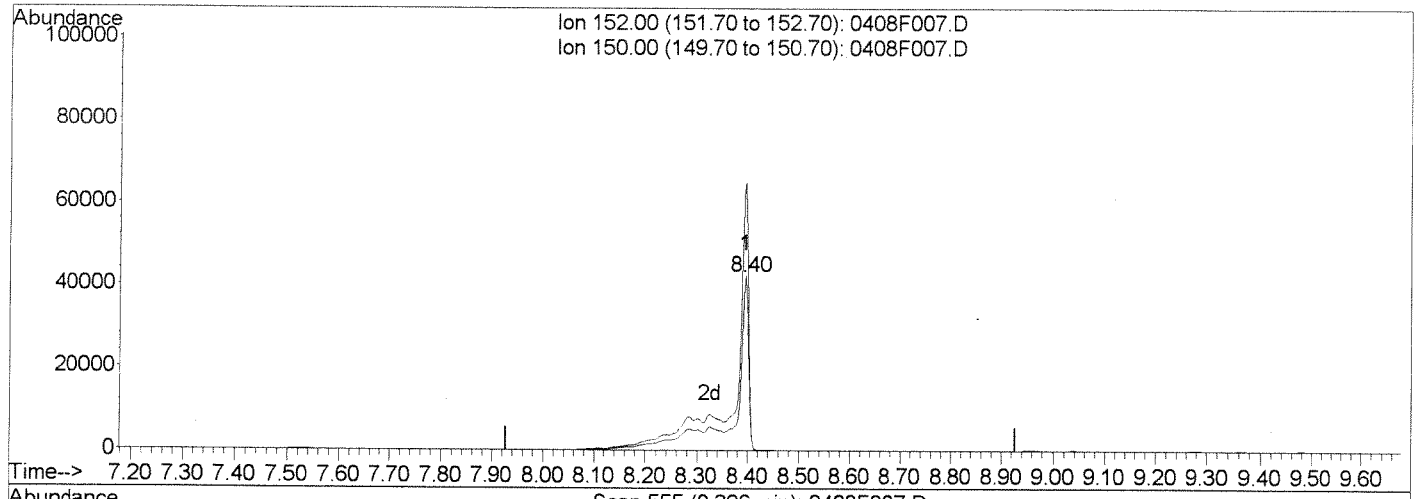
Quantitation Report (Qedit)

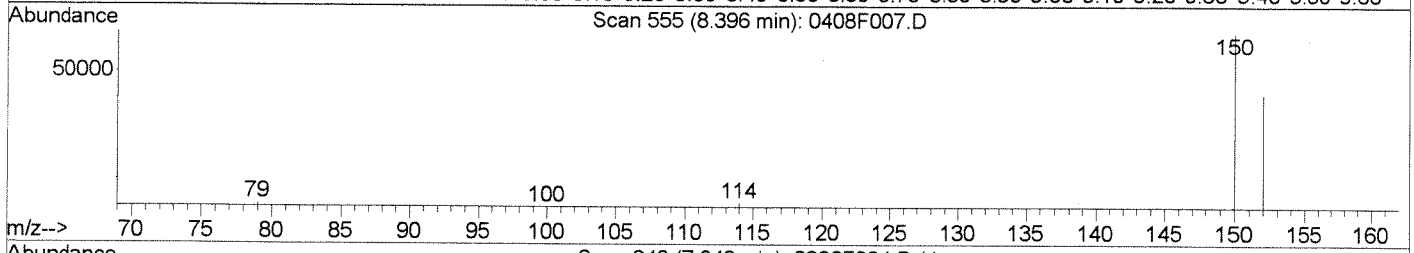
Data File : J:\MS20\DATA\040808\0408F007.D
Acq On : 8 Apr 2008 19:19
Sample : DXNDMA @ 100 PPB SVM25-26G
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:07 2008

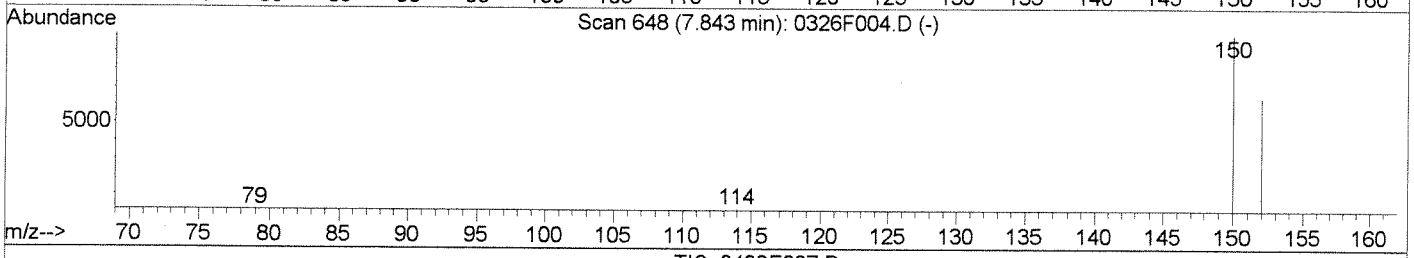
Vial: 7
Operator: JGISH
Inst : MS20
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Multiple Level Calibration







TIC: 0408F007.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.40min 50.00ng/ml m

response 83342

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	154.22
0.00	0.00	0.00
0.00	0.00	0.00

4/9/08 JG

0408F007.D 0408DXNDMA.M Wed Apr 09 09:07:17 2008

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F008.D Vial: 8
Acq On : 8 Apr 2008 19:39 Operator: JGISH
Sample : DXNDMA @ 250 PPB SVM25-26H Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 09 09:03:31 2008 Quant Results File: 0408DXNDMA.RES

Quant Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Initial Calibration
DataAcq Meth : DIOXNDMA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	83374m	50.00	ng/ml	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.69	96	172094	289.11	ng/ml	0.00
Spiked Amount 50.000			Recovery =	578.22%		
5) NDMA-d6	6.81	80	317624	280.12	ng/ml	0.00
Spiked Amount 50.000			Recovery =	560.24%		
Target Compounds						Qvalue
2) 1,4-Dioxane	6.70	88	209760	282.85	ng/ml	96
4) N-Nitrosodimethylamine	6.82	74	317593	273.94	ng/ml#	95

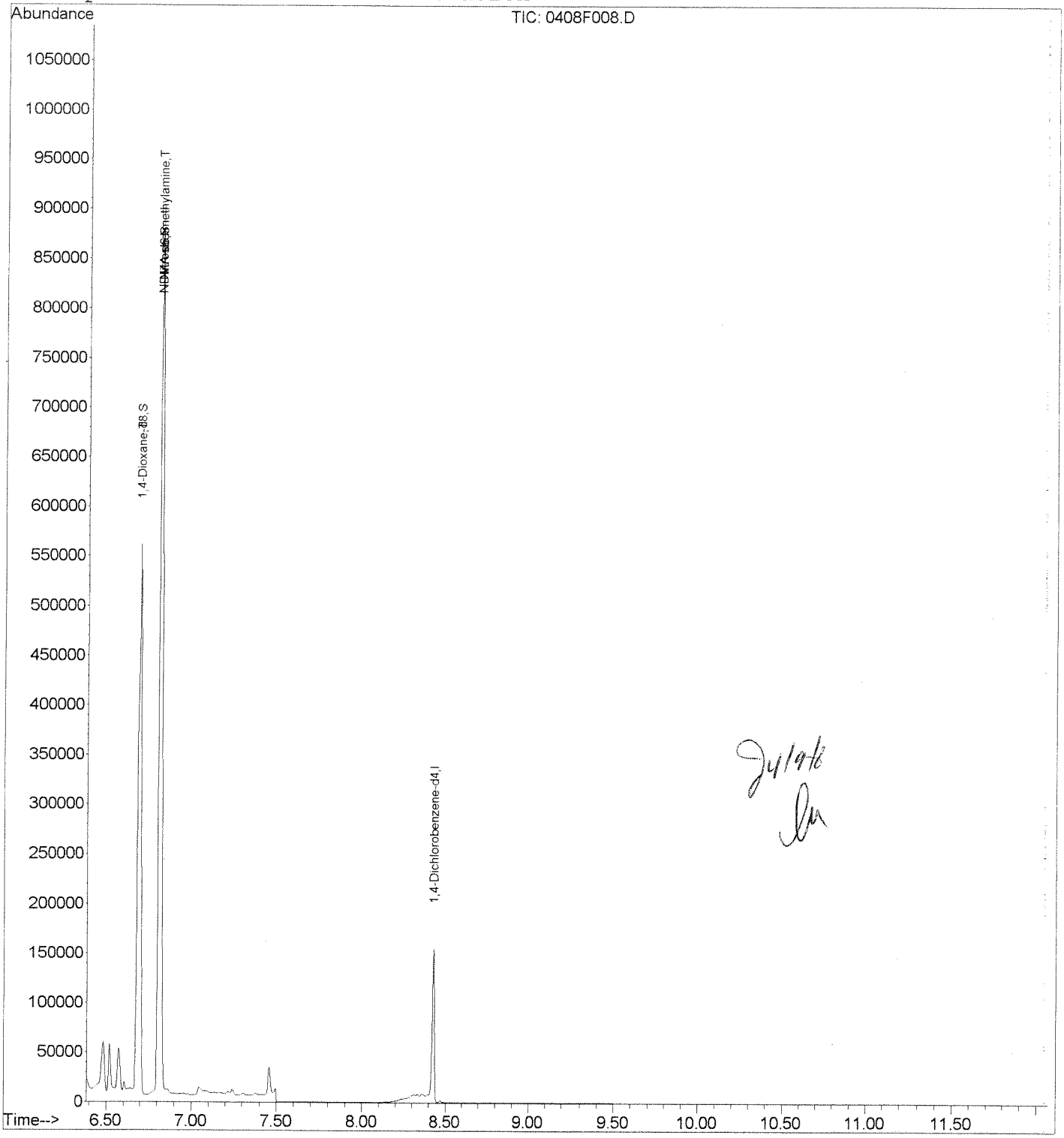
4/9/08

(#) = qualifier out of range (m) = manual integration
0408F008.D 0408DXNDMA.M Wed Apr 09 09:18:43 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F008.D Vial: 8
Acq On : 8 Apr 2008 19:39 Operator: JGISH
Sample : DXNDMA @ 250 PPB SVM25-26H Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:07 2008 Quant Results File: 0408DXNDMA.R

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Initial Calibration

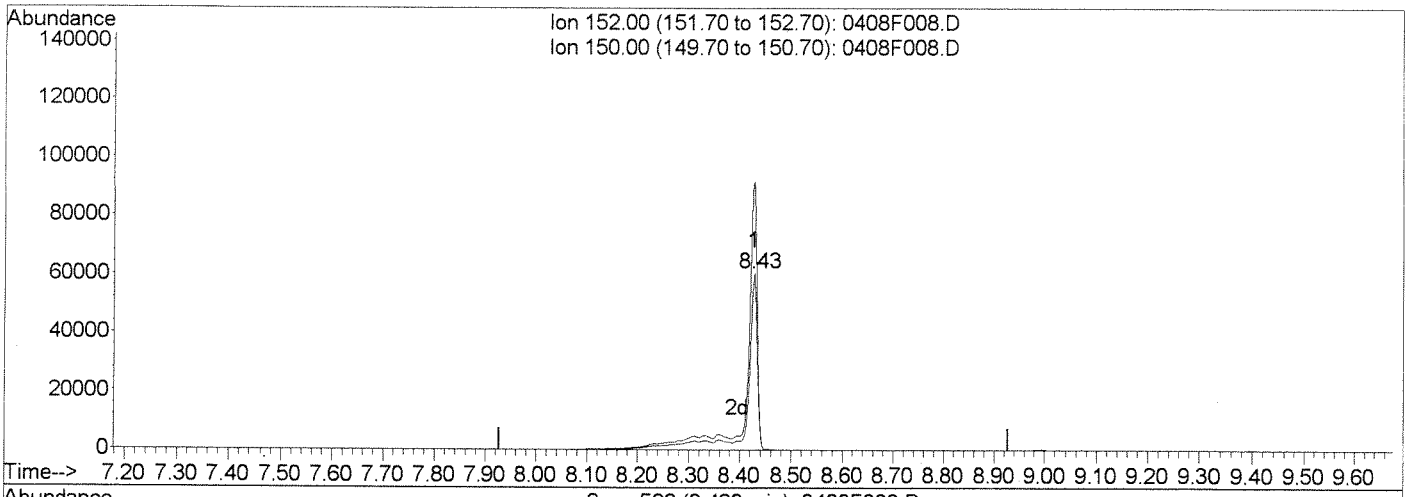


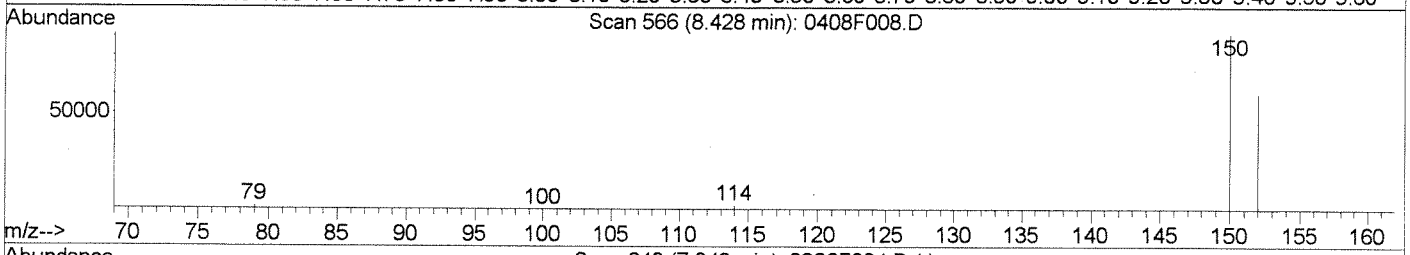
0408F008.D 0408DXNDMA.M Wed Apr 09 09:18:44 2008 Page 2

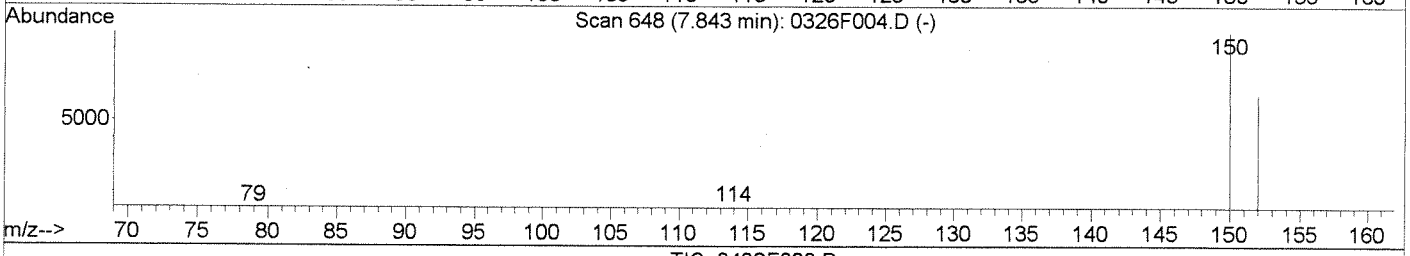
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F008.D Vial: 8
Acq On : 8 Apr 2008 19:39 Operator: JGISH
Sample : DXNDMA @ 250 PPB SVM25-26H Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:07 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Multiple Level Calibration







TIC: 0408F008.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.43min 50.00ng/ml m

response 83374

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	151.93
0.00	0.00	0.00
0.00	0.00	0.00

4/9/12 IC

0408F008.D 0408DXNDMA.M Wed Apr 09 09:07:36 2008

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F009.D Vial: 9
Acq On : 8 Apr 2008 19:58 Operator: JGISH
Sample : DXNDMA @ 500 PPB SVM25-26I Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 09 09:03:32 2008 Quant Results File: 0408DXNDMA.RES

Quant Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Initial Calibration
DataAcq Meth : DIOXNDMA

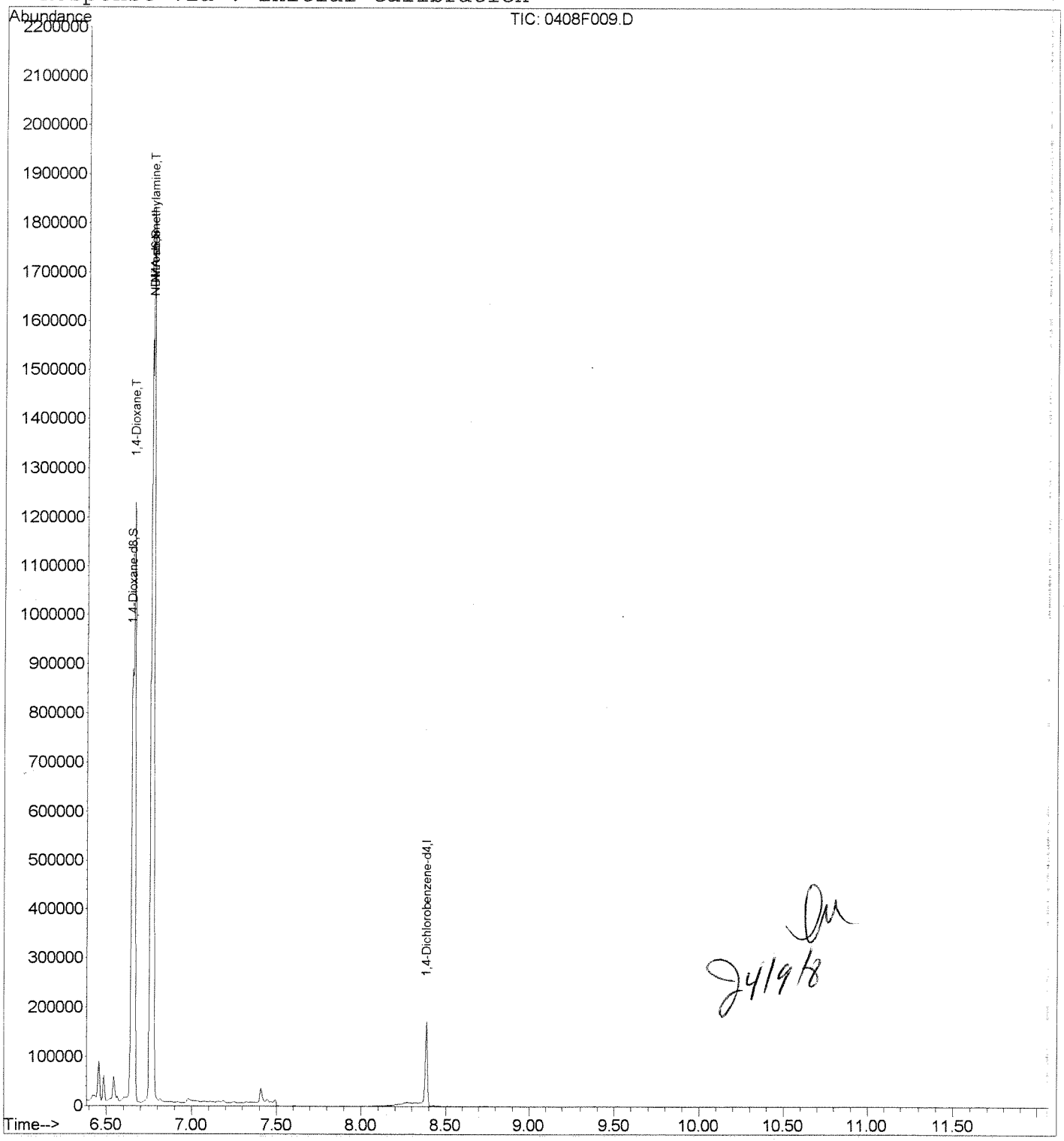
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	84551m	50.00	ng/ml	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.65	96	348465m	577.25	ng/ml	-0.04
Spiked Amount 50.000			Recovery = 1154.50%			
5) NDMA-d6	6.76	80	637085m	554.03	ng/ml	-0.05
Spiked Amount 50.000			Recovery = 1108.06%			
Target Compounds						Qvalue
2) 1,4-Dioxane	6.66	88	424259m	564.13	ng/ml	
4) N-Nitrosodimethylamine	6.77	74	638826	543.34	ng/ml#	95

4/14/08

(#) = qualifier out of range (m) = manual integration
0408F009.D 0408DXNDMA.M Wed Apr 09 09:18:45 2008 Page 1

Data File : J:\MS20\DATA\040808\0408F009.D Vial: 9
Acq On : 8 Apr 2008 19:58 Operator: JGISH
Sample : DXNDMA @ 500 PPB SVM25-26I Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:09 2008 Quant Results File: 0408DXNDMA.R

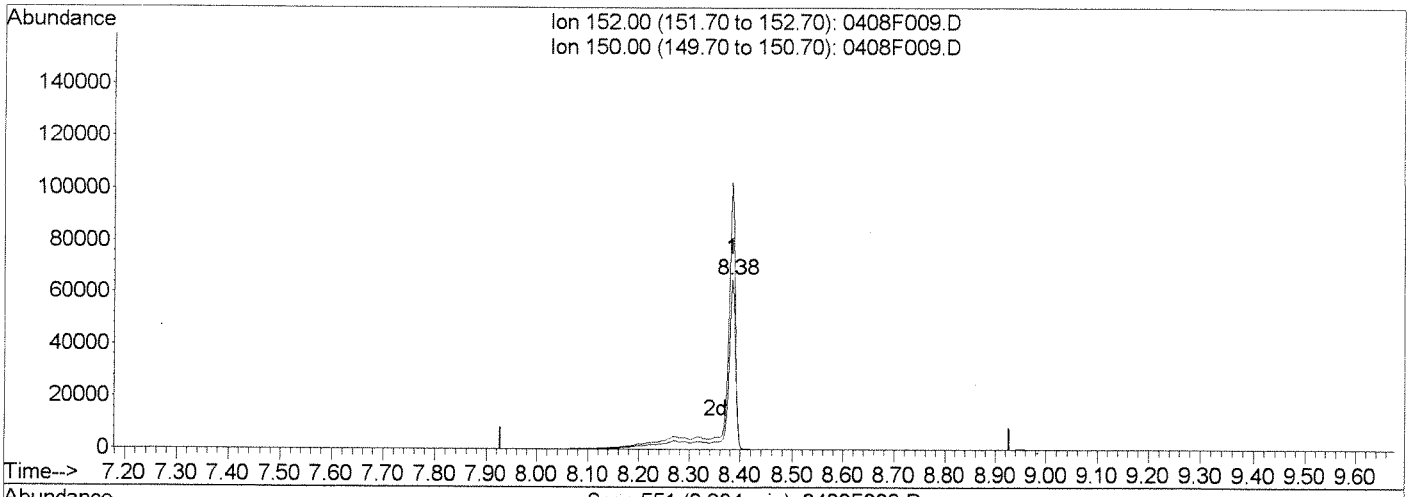
Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Initial Calibration

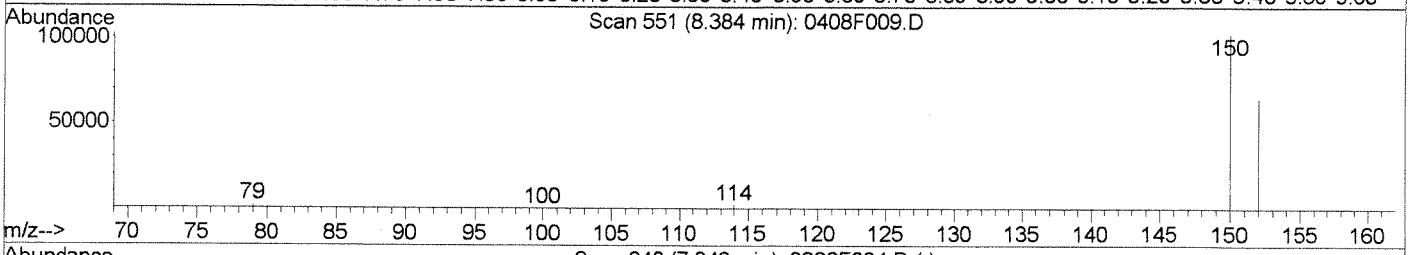


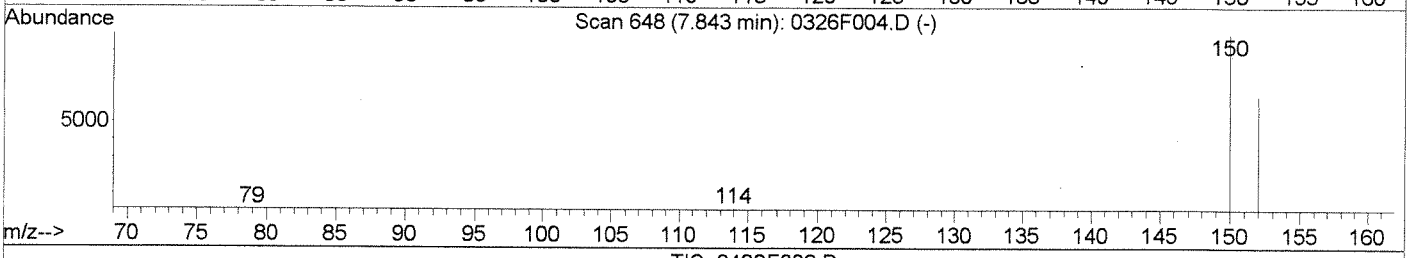
4/9/08

Data File : J:\MS20\DATA\040808\0408F009.D Vial: 9
Acq On : 8 Apr 2008 19:58 Operator: JGISH
Sample : DXNDMA @ 500 PPB SVM25-26I Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:07 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Multiple Level Calibration







TIC: 0408F009.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.38min 50.00ng/ml m

response 84551

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	157.61
0.00	0.00	0.00
0.00	0.00	0.00

4/9/08 IC

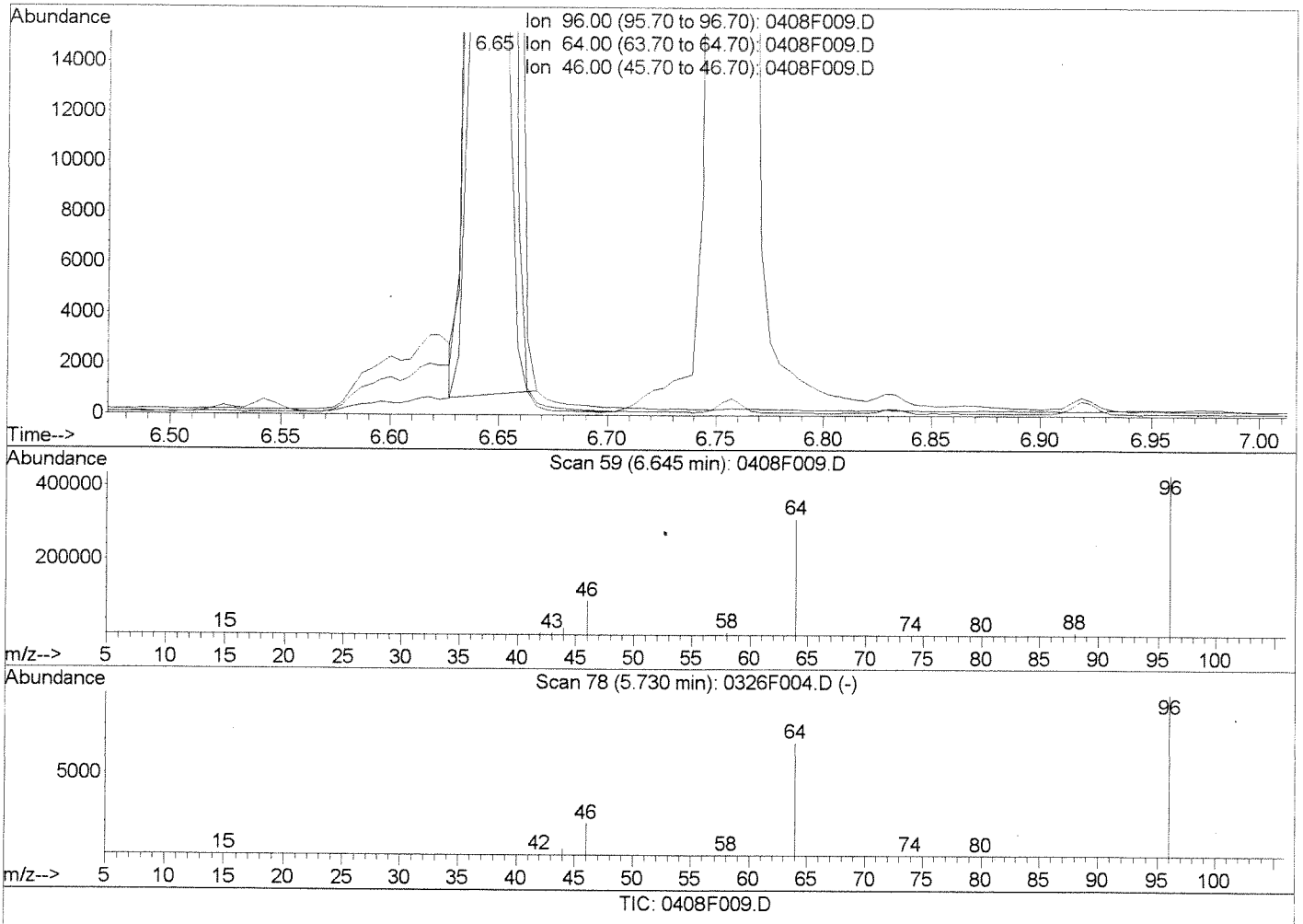
0408F009.D 0408DXNDMA.M Wed Apr 09 09:08:01 2008

Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F009.D
Acq On : 8 Apr 2008 19:58
Sample : DXNDMA @ 500 PPB SVM25-26I
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:07 2008

Vial: 9
Operator: JGISH
Inst : MS20
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Multiple Level Calibration



TIC: 0408F009.D

(3) 1,4-Dioxane-d8 (S)

6.65min 563.89ng/ml

response 340402

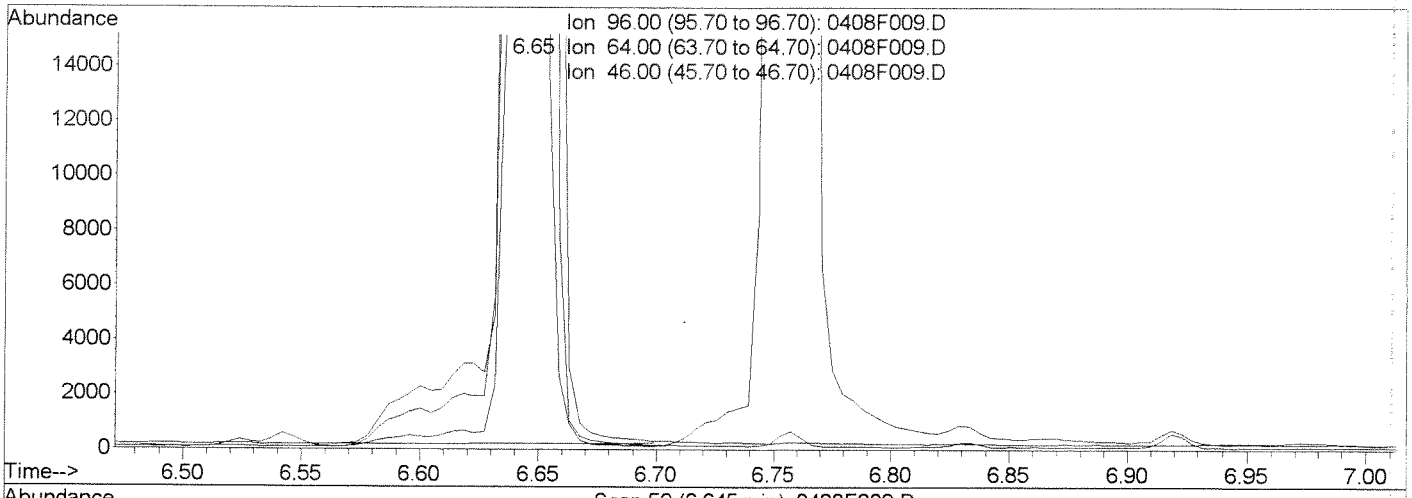
Ion	Exp%	Act%
96.00	100	100
64.00	60.90	72.25
46.00	16.70	20.97
0.00	0.00	0.00

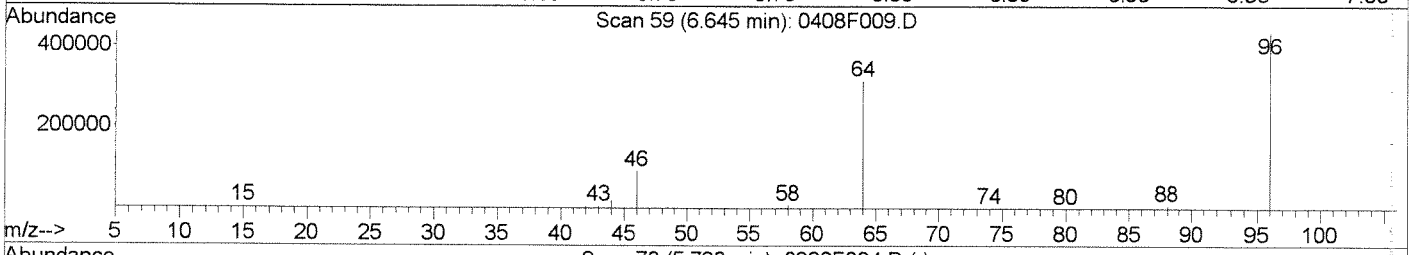
0408F009.D 0408DXNDMA.M Wed Apr 09 09:08:45 2008

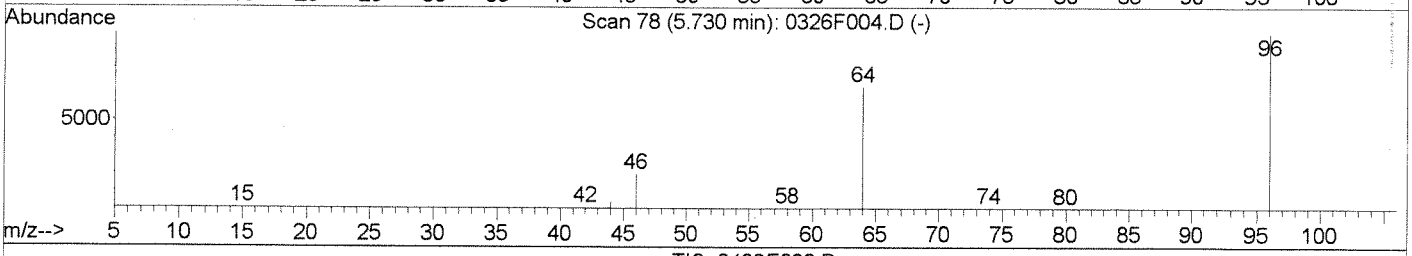
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F009.D Vial: 9
Acq On : 8 Apr 2008 19:58 Operator: JGISH
Sample : DXNDMA @ 500 PPB SVM25-26I Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:08 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Multiple Level Calibration







TIC: 0408F009.D

(3) 1,4-Dioxane-d8 (S)

6.65min 577.25ng/ml m

response 348465

Ion	Exp%	Act%
96.00	100	100
64.00	60.90	72.25
46.00	16.70	20.97
0.00	0.00	0.00

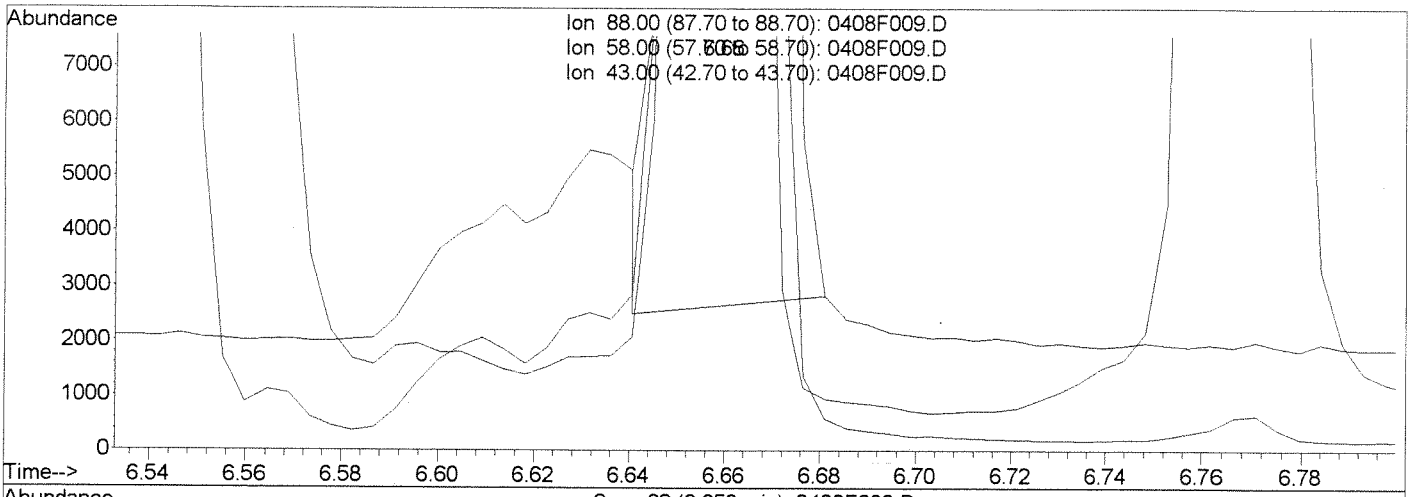
4/9/08

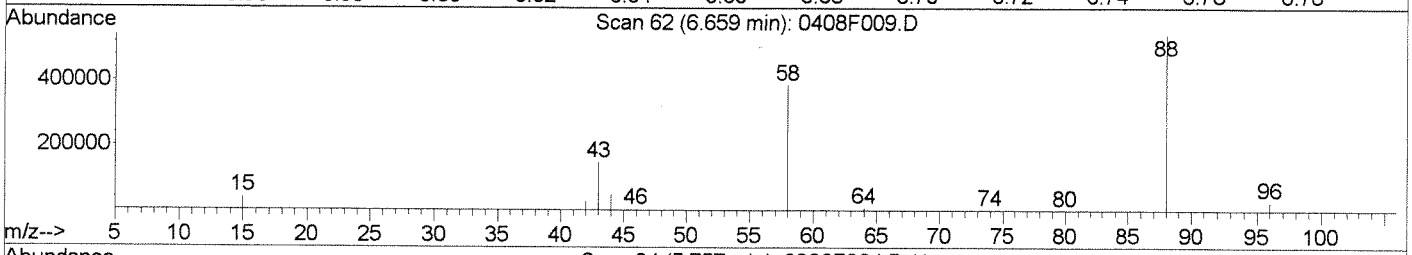
0408F009.D 0408DXNDMA.M Wed Apr 09 09:08:55 2008

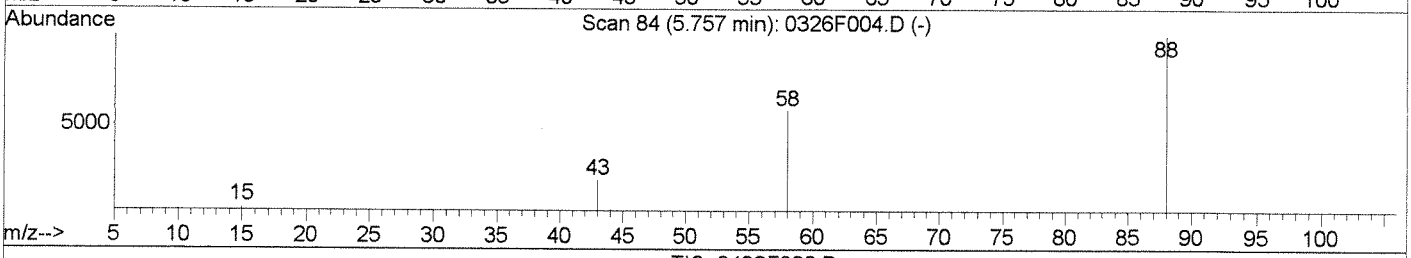
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F009.D Vial: 9
Acq On : 8 Apr 2008 19:58 Operator: JGISH
Sample : DXNDMA @ 500 PPB SVM25-26I Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:08 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Multiple Level Calibration







TIC: 0408F009.D

(2) 1,4-Dioxane (T)

6.66min 556.65ng/ml

response 418632

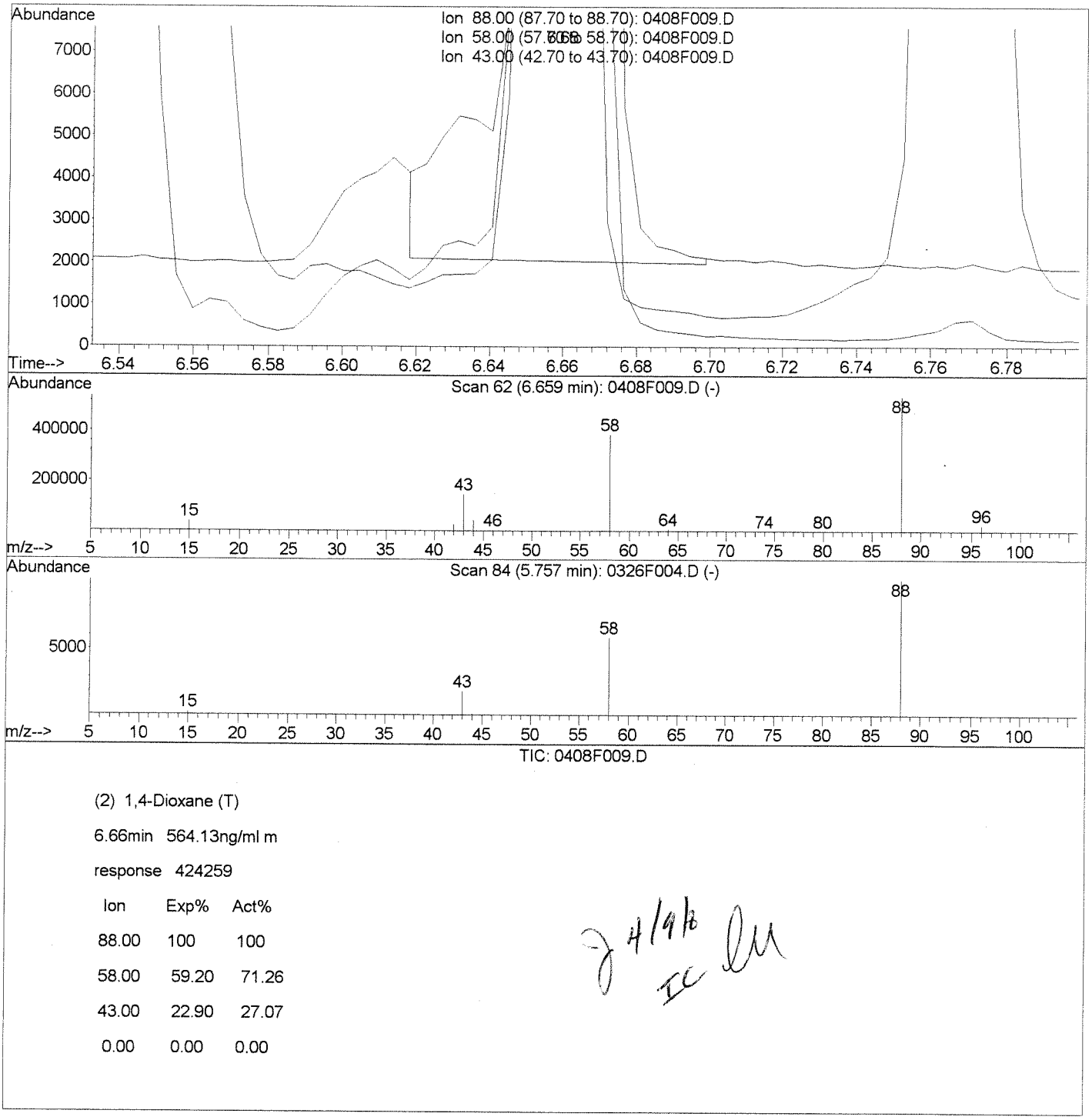
Ion	Exp%	Act%
88.00	100	100
58.00	59.20	71.26
43.00	22.90	27.07
0.00	0.00	0.00

0408F009.D 0408DXNDMA.M Wed Apr 09 09:09:06 2008

Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F009.D Vial: 9
Acq On : 8 Apr 2008 19:58 Operator: JGISH
Sample : DXNDMA @ 500 PPB SVM25-26I Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:09 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Multiple Level Calibration



TIC: 0408F009.D

(2) 1,4-Dioxane (T)

6.66min 564.13ng/ml m

response 424259

Ion	Exp%	Act%
88.00	100	100
58.00	59.20	71.26
43.00	22.90	27.07
0.00	0.00	0.00

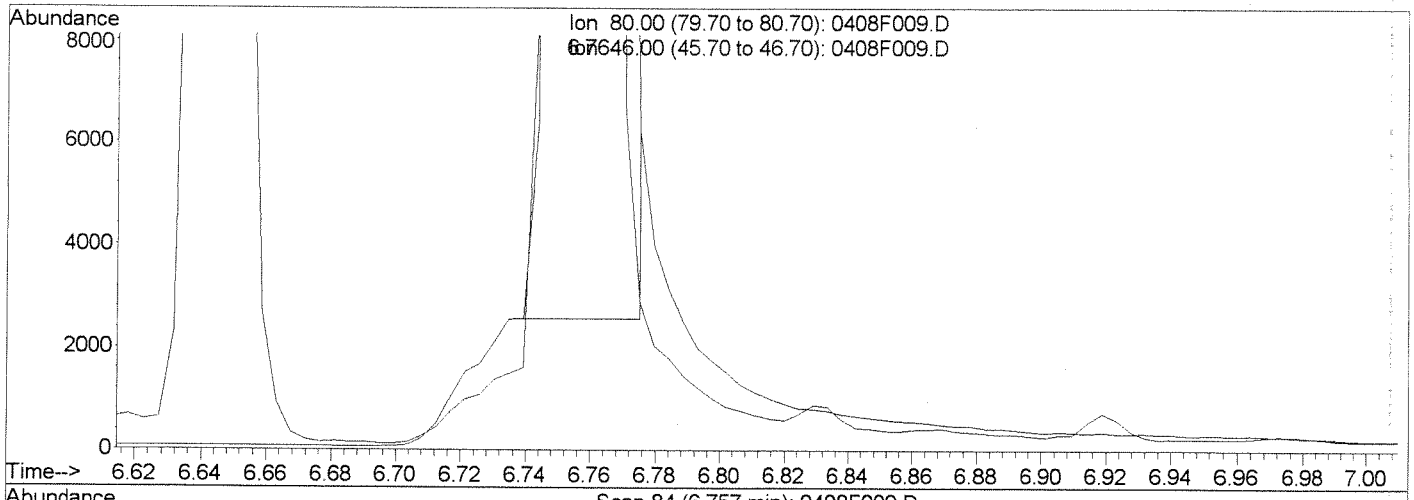
4/9/08 IC

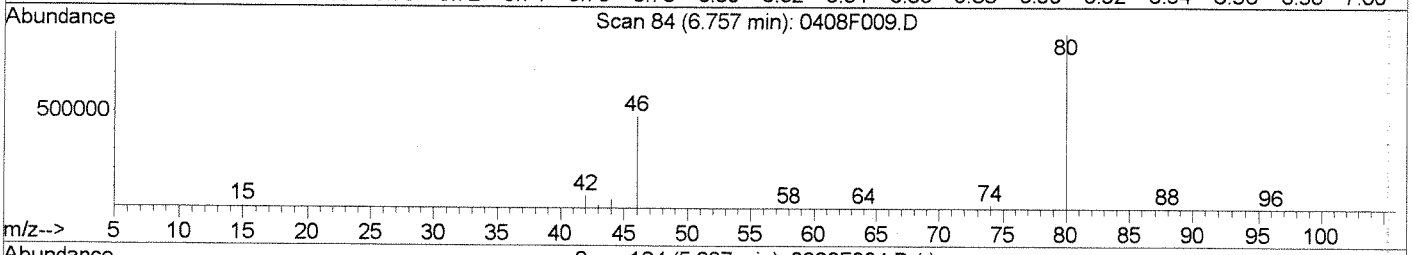
0408F009.D 0408DXNDMA.M Wed Apr 09 09:09:26 2008

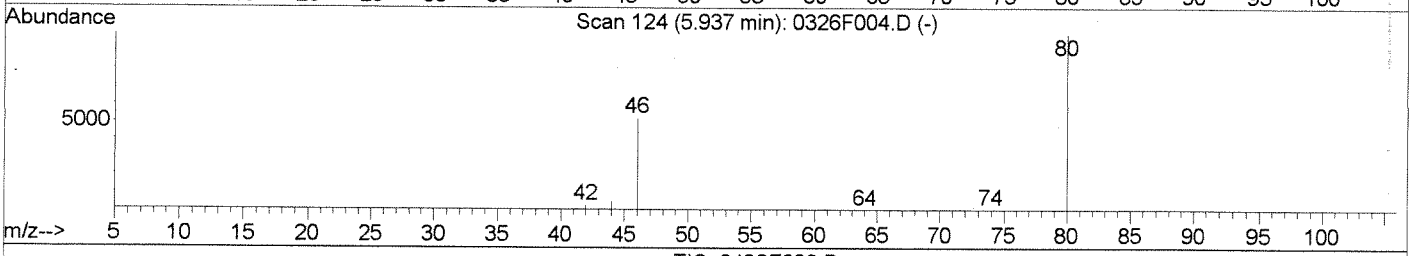
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F009.D Vial: 9
Acq On : 8 Apr 2008 19:58 Operator: JGISH
Sample : DXNDMA @ 500 PPB SVM25-26I Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:09 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Multiple Level Calibration







TIC: 0408F009.D

(5) NDMA-d6 (S)

6.76min 540.14ng/ml

response 621117

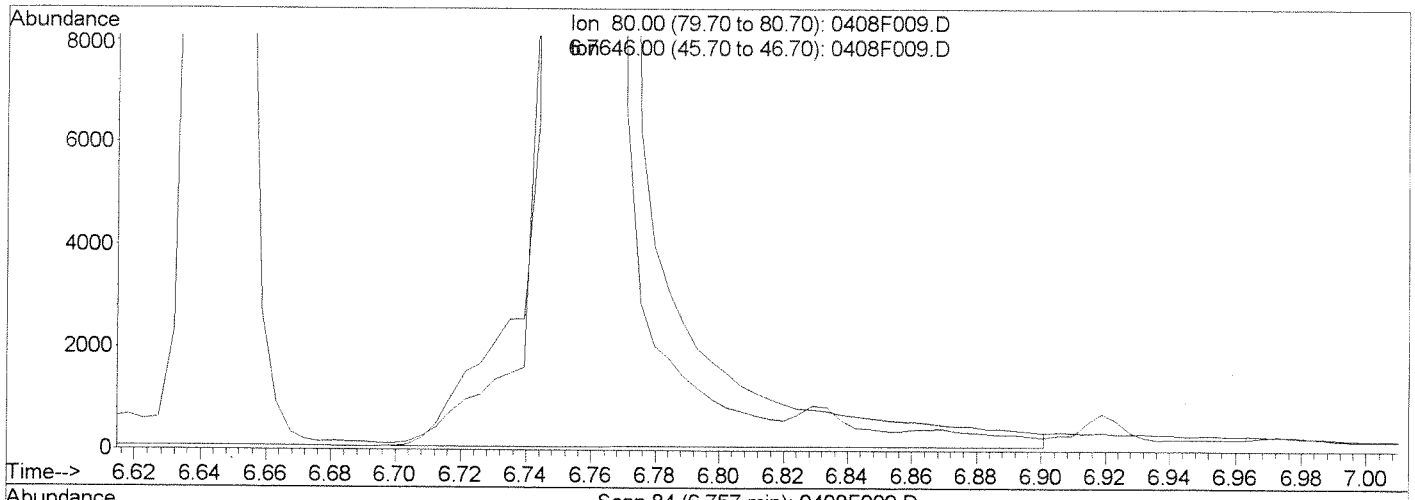
Ion	Exp%	Act%
80.00	100	100
46.00	53.20	52.48
0.00	0.00	0.00
0.00	0.00	0.00

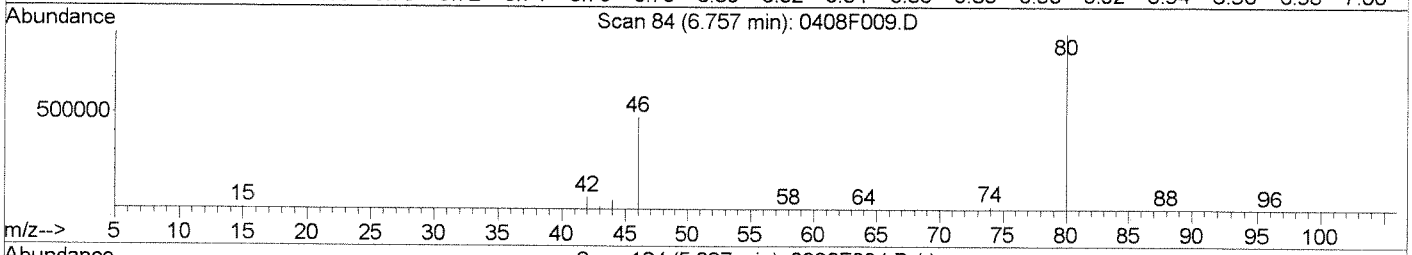
0408F009.D 0408DXNDMA.M Wed Apr 09 09:09:38 2008

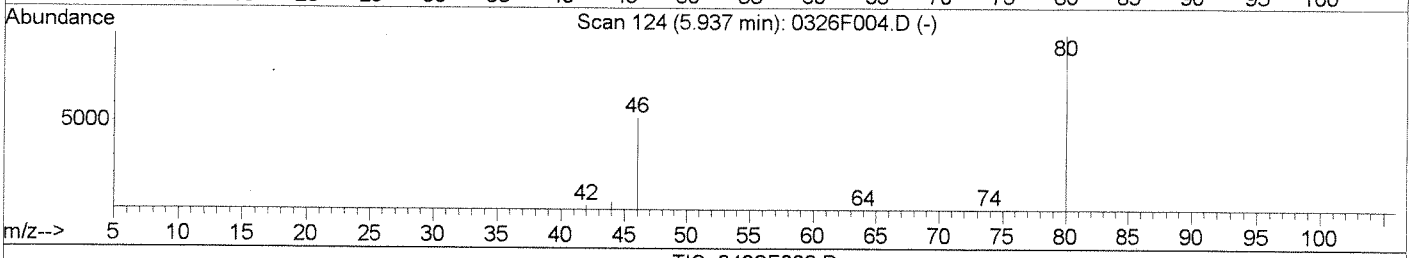
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F009.D Vial: 9
Acq On : 8 Apr 2008 19:58 Operator: JGISH
Sample : DXNDMA @ 500 PPB SVM25-26I Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:09 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:01:29 2008
Response via : Multiple Level Calibration







TIC: 0408F009.D

(5) NDMA-d6 (S)

6.76min 554.03ng/ml m

response 637085

Ion	Exp%	Act%
80.00	100	100
46.00	53.20	52.48
0.00	0.00	0.00
0.00	0.00	0.00

4/9/12

0408F009.D 0408DXNDMA.M Wed Apr 09 09:09:56 2008

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802637
Date Analyzed: 04/08/2008

Continuing Calibration Verification Summary
1,4-Dioxane by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C SIM

Calibration Date: 04/08/2008
Calibration ID: CAL7233
Analysis Lot: KWG0803239
Units: ng/ml

File ID: J:\MS20\DATA\040808\0408F010.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
1,4-Dioxane	50	47	0.01	0.509	0.475	-7	NA	± 20 %	AverageRF
1,4-Dioxane-d8	50	49	0.01	0.416	0.406	-2	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Exception Report

Data File: J:\MS20\DATA\040808\0408F010.D
Lab ID: KWG0803239-2
RunType: CCV
Matrix: SOIL

4 ICV

Date Acquired: 04/08/2008 20:17
Date Quantitated: 04/09/2008 09:14
Batch ID: KWG0803239
Analysis Method: 8270C SIM
MethodJoinID: MJ402

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 4/9/08

Secondary Review: 4/9/08

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SOIL
Prod Code:	8270C SIM SVO_S	**Collect Date:**		**Receive Date:**	04/09/2008

Analysis Lot:	KWG0803239	**Prep Lot:**		**Report Group:**	
Analysis Method:	8270C SIM	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS20\METHODS\0408DXNDMA.M	**Calibration ID:**	CAL7233
Title:			
Tune Ref:	J:\MS20\DATA\040808\0408F001.D	**Method ID:**	MJ895
MB Ref:		**Quant based on Method**	

Data File:	J:\MS20\DATA\040808\0408F010.D			**Instrument:**	MS20
Acqu Date:	04/08/2008 20:17	**Quant Date:**	04/09/2008 09:14	**Vial:**	10
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG0803239-2			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.40	-0.03?	152	67535m	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	1,4-Dioxane-d8	6.67			96	27388	48.79		38-152	NA
1	N-Nitrosodimethylamine-d6	6.78			80	53566	55.03		19-158	NA

Target Compounds

Final Conc. Units:

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	QuantMass	Response	Solution Conc	Final Conc	Q	Rpt?
1	1,4-Dioxane	6.68			88	32056	46.64			
1	N-Nitrosodimethylamine	6.79			74	52001	52.70			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File : J:\MS20\DATA\040808\0408F010.D Vial: 10
Acq On : 8 Apr 2008 20:17 Operator: JGISH
Sample : DXNDMA ICV @ 50 PPB SVM25-74K Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 09 09:14:30 2008 Quant Results File: 0408DXNDMA.RES

Quant Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Initial Calibration
DataAcq Meth : DIOXNDMA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	67535m	50.00	ng/ml	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.67	96	27388	48.79	ng/ml	-0.02
Spiked Amount 50.000			Recovery = 97.58%			
5) NDMA-d6	6.78	80	53566	55.03	ng/ml	-0.03
Spiked Amount 50.000			Recovery = 110.06%			
Target Compounds						Qvalue
2) 1,4-Dioxane	6.68	88	32056	46.64	ng/ml	97
4) N-Nitrosodimethylamine	6.79	74	52001	52.70	ng/ml	95

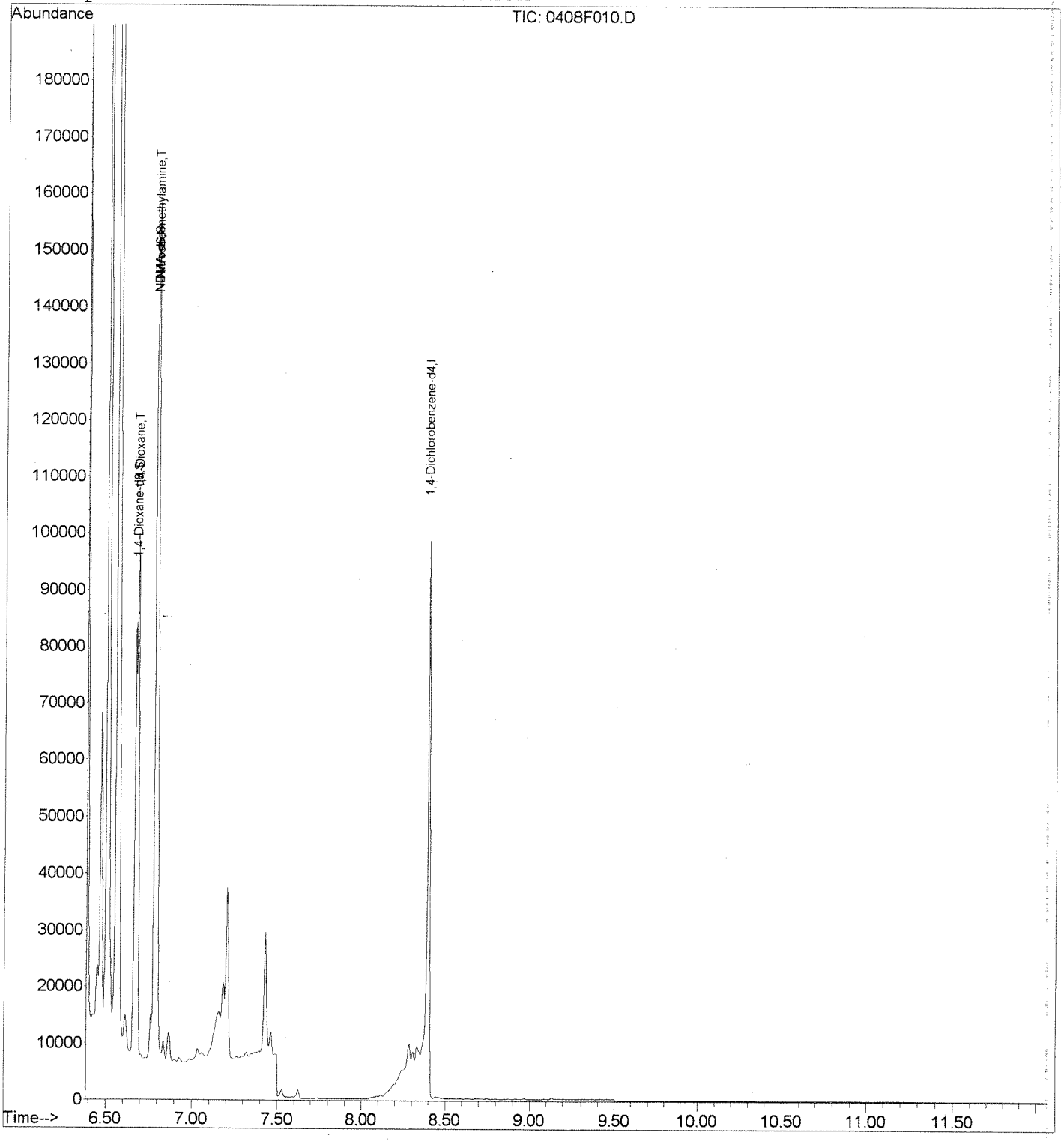
(#) = qualifier out of range (m) = manual integration
0408F010.D 0408DXNDMA.M Wed Apr 09 09:18:46 2008 Page 1

Data File : J:\MS20\DATA\040808\0408F010.D
Acq On : 8 Apr 2008 20:17
Sample : DXNDMA ICV @ 50 PPB SVM25-74K
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:14 2008

Vial: 10
Operator: JGISH
Inst : MS20
Multiplr: 1.00

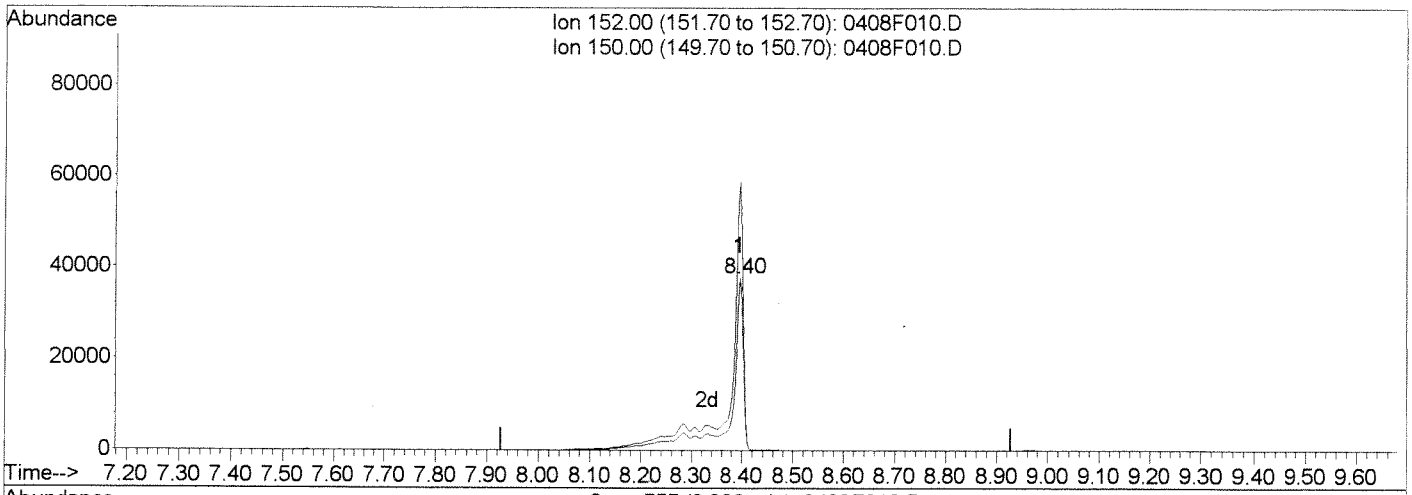
Quant Results File: 0408DXNDMA.R

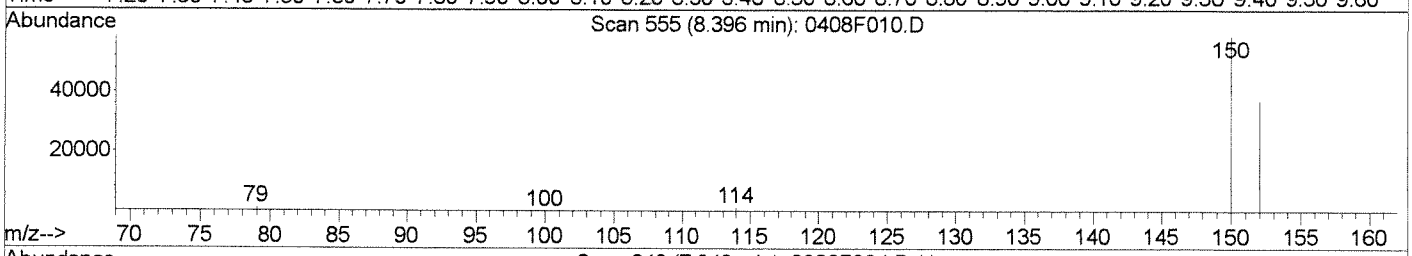
Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Initial Calibration

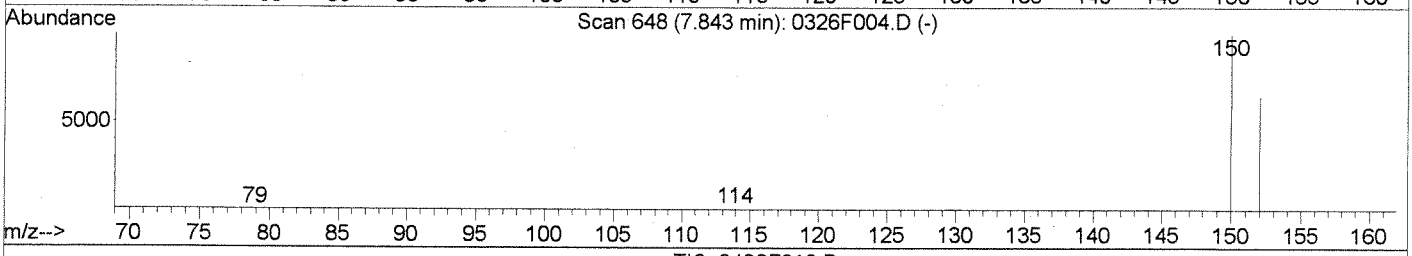


Data File : J:\MS20\DATA\040808\0408F010.D Vial: 10
Acq On : 8 Apr 2008 20:17 Operator: JGISH
Sample : DXNDMA ICV @ 50 PPB SVM25-74K Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:14 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Multiple Level Calibration







TIC: 0408F010.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.40min 50.00ng/ml m

response 67535

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	157.03
0.00	0.00	0.00
0.00	0.00	0.00

4/9/08 JC

0408F010.D 0408DXNDMA.M Wed Apr 09 09:14:49 2008

Organic Analysis:
1,4-Dioxane by GC/MS

Validation Package

Sample Prep and Screen Data

Preparation Information

Group ID:	KWG0802930	**Prep Method:**	EPA 3510C	**Prep Date:**	03/31/08 00:00
Department:	Semivoa GCMS				

Lab Code	Client ID	Product	Matrix	Amt. Ext.	Final Vol.
K0802637-001	KEP-GW-011A-003	8270C SIM 14_D	WATER	100ml	25ml
K0802637-002	Duplicate 1	8270C SIM 14_D	WATER	100ml	25ml
K0802637-003	KEP-GW-010A-003	8270C SIM 14_D	WATER	100ml	25ml
KWG0802930-1	Lab Control Sample	8270C SIM 14_D	WATER	100ml	25ml
KWG0802930-2	Duplicate Lab Control Sampl	8270C SIM 14_D	WATER	100ml	25ml
KWG0802930-3	Method Blank	8270C SIM 14_D	WATER	100ml	25ml

Lab Code	Prep Event ID	Surrogate Solution ID	Amount Added	Spike Solution ID	Amount Added	Witness
K0802637-001	697734	SVM25-54F	50ml			JEpps
K0802637-002	697735	SVM25-54F	50ml			JEpps
K0802637-003	697733	SVM25-54F	50ml			JEpps
KWG0802930-1	697736	SVM25-54F	50ml	SVM24-96C	50uL	JEpps
KWG0802930-2	697737	SVM25-54F	50ml	SVM24-96C	50uL	JEpps
KWG0802930-3	697738	SVM25-54F	50ml			JEpps

Comments: IS- SUM25-29D

Started By: CSethe Assisted By: _____ Training: Yes / No

Completed By: CSethe Assisted By: _____ Yes / No

Reviewed By: _____ Date: 4/8/8 Storage: MS20

Chain of Custody

Relinquished By: _____ Date: 4-8-08

Received By: _____ Date: 4-8-8 Extracts Examined: Yes / No

Preparation Information

Group ID:	KWG0802930	**Prep Method:**	EPA 3510C	**Prep Date:**	03/31/08 00:00
Department:	Semivoa GCMS				

#	Lab Code	Client ID	B#	√	Product	Matrix	Amt. Ext. ml	pH	Int. Vol.	Final Vol. ml	Surr. Added	Spike Added
1	K0802637-001	KEP-GW-011A-003	NA	√	8270C SIM 14_DIOXANE	WATER	100	NA		25	50ml	NA
2	K0802637-002	Duplicate 1	↓	√	8270C SIM 14_DIOXANE	WATER	↓	↓		↓	↓	↓
3	K0802637-003	KEP-GW-010A-003	↓	√	8270C SIM 14_DIOXANE	WATER	↓	↓		↓	↓	↓
4	KWG0802930-1	Lab Control Sample	↓	NA	8270C SIM 14_DIOXANE	WATER	↓	↓		↓	↓	50ml
5	KWG0802930-2	Duplicate Lab Control Sample	↓	↓	8270C SIM 14_DIOXANE	WATER	↓	↓		↓	↓	↓
6	KWG0802930-3	Method Blank	↓	↓	8270C SIM 14_DIOXANE	WATER	↓	↓		↓	↓	NA

Comments: #64741 1/2 FV

Surrogate ID: SVM25-54F exp 2-12-09 use 50ml @ 50 ppm

Spike ID: SVM24-96C exp 7-1-08 use 50ml @ 50 ppm

Witness: [signature] 3/31/08

Started By: CSethe Assisted By:

Completed By: CES 4-8-08 Assisted By:

Additional Prep Information For 1,4 Dioxane by EPA 3510

Service Request K0802637 **Workgroup** KWG0802930

Pre-Prep Information:

Z

DCM Lot 48064

Batch Start (Time/Date/Initial): 2:11 PM / 3-31-08 / CES

Batch Stop (Time/Date/Initial): 2:43 PM / 3-31-08 / CES

Sulfate Lot # 47116727 Salt Lot # C46H12

Extract Storage: _____

Date Completed: 4-8-08

Comments/Observations:

Bench Sheet Review Check List	
☒	Hold Times Met (if no, Reason:)
☑	Prep date, dept, method, product code correct in stealth
☑	Spike Information correct
☑	Weights/Volumes and units correct on raw and final bench sheets
☑	Sample IDs have been checked—Bottle numbers appended if required
☑	Names present for: Started by, Completed by, relinquished by, and witnessed by.
☑	Training has been circled
☑	Extract Storage recorded
☑	Additional Prep Sheet completely filled out (NA or line out Blanks)
☑	All clean-ups have been noted on additional prep sheet
☒	Signed service request with Form V, if applicable, has been attached

Injection Log

Directory: J:\MS20\DATA\040808

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0408F001.D	1.	DFTPP @ 2.5 ppm SVM25-88H		8 Apr 2008 17:20
2	2	0408F002.D	1.	IB		8 Apr 2008 17:46
3	3	0408F003.D	1.	DXNDMA @ 2 PPB SVM25-26C	MJ895	8 Apr 2008 18:05
4	4	0408F004.D	1.	DXNDMA @ 5 PPB SVM25-26D		8 Apr 2008 18:23
5	5	0408F005.D	1.	DXNDMA @ 10 PPB SVM25-26E		8 Apr 2008 18:41
6	6	0408F006.D	1.	DXNDMA @ 50 PPB SVM25-26F		8 Apr 2008 19:01
7	7	0408F007.D	1.	DXNDMA @ 100 PPB SVM25-26G	CAL 7233	8 Apr 2008 19:19
8	8	0408F008.D	1.	DXNDMA @ 250 PPB SVM25-26H		8 Apr 2008 19:39
9	9	0408F009.D	1.	DXNDMA @ 500 PPB SVM25-26I		8 Apr 2008 19:58
10	10	0408F010.D	1.	DXNDMA ICV @ 50 PPB SVM25-74K		8 Apr 2008 20:17
11	11	0408F011.D	1.	KWG0803055-MB		8 Apr 2008 20:35
12	12	0408F012.D	1.	KWG0803055-LCS		8 Apr 2008 20:55
13	13	0408F013.D	1.	KWG0803055-DLCS		8 Apr 2008 21:14
14	14	0408F014.D	1.	P0800807-001MS		8 Apr 2008 21:34
15	15	0408F015.D	1.	P0800807-001MSD		8 Apr 2008 21:53
16	16	0408F016.D	1.	P0800807-001		8 Apr 2008 22:12
17	17	0408F017.D	1.	KWG0802930-MB		8 Apr 2008 22:31
18	18	0408F018.D	1.	KWG0802930-LCS		8 Apr 2008 22:49
19	19	0408F019.D	1.	KWG0802930-DLCS		8 Apr 2008 23:08
20	20	0408F020.D	1.	K0802637-001		8 Apr 2008 23:28
21	21	0408F021.D	1.	K0802637-002		8 Apr 2008 23:46
22	22	0408F022.D	1.	K0802637-003		9 Apr 2008 00:05
23	23	0408F023.D	1.	KWG0803108-MB	> NR	9 Apr 2008 00:24
24	24	0408F024.D	1.	KWG0803108-LCS		9 Apr 2008 00:43
25		0408F025.D	1.			

4/9/8 Run 111593

4/9/8