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

Columbia Analytical Services INC.
An Employee - Owned Company

April 17, 2008 Analytical Report for Service Request No: K0802796

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 April 01, 2008. For your reference, these analyses have been assigned our service request number K0802796.

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.:**	K0802796
Project:	Kuhlman Electric	**Date Received:**	04/01/08
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

Three water samples were received for analysis at Columbia Analytical Services on 04/01/08. 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 Dichlorodifluoromethane, Vinyl Chloride, Bromomethane, Trichlorofluoromethane, Methylene Chloride, 1,1-Dichloroethene, 1,1-Dichloropropene, Carbon Tetrachloride, and n-Butylbenzene in ICAL ID 6696. 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 9.4%. 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.

The CAS minimum relative response factor criterion for 2-Butanone (MEK) was not met in ICAL ID 6696. In accordance with CAS standard operating procedures, a Method Reporting Limit (MRL) check standard containing the analyte of concern was analyzed each day of analysis. The MRL check standard verifies instrument sensitivity was adequate to detect the analyte at the MRL on the day of analysis. Because the sensitivity was shown to be adequate to detect the compound in question, the data quality is not significantly affected. No further corrective action was appropriate.

Lab Control Sample Exceptions:
The advisory criterion was exceeded for 1,1,1-Trichloroethane (TCA) in Laboratory Control Sample (LCS) KWG0803341-3. As per the CAS/Kelso Standard Operating Procedure (SOP) for this method, these compounds are not included in the subset of analytes used to control the analysis. The recovery information reported for these analytes is for advisory purposes only (i.e. to provide additional detail related to the performance of each individual compound). No further corrective action was required.

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** 4/18/08

Chain of Custody Documentation

Columbia Analytical Services, Inc.
An Employee - Owned Company

CHAIN OF CUSTODY

SR#: K0702796

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: Charles O. M. Peel

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	Hydrocarbons (*see below) Gas☐ Diesel☐ Oil☐	BTEX 8021☐	☐ 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☐	pH, Cond., Cl, SO_4, PO_4, F, NO_2, NO_3, BOD, TSS, TDS (circle)	NH_3-N, COD, Total-P, TKN, TOC, DOC (circle) NO_2+NO_3	TOX 9020☐ AOX 1650☐ 506☐	1,4 Dioxane by 8270 SIM				MOKIL LAB # REMARKS
KEP-GW-020A-003	3/28/08	1710		W	5			X													X				W2231
KEP-GW-020B-003	3/28/08	1820		W	4			X													X				W2232
DUPLICATE 2	3/28/08	—		W	5			X													X				W2243
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 1,4 Dioxane 0.5ug/L
Target list for 8260B - Kuhlman list

RELINQUISHED BY:		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:	
Signature: Charles O. M. Peel	Date/Time: 3/31/08 1400	Signature: [illegible]	Date/Time: 4/1/08 1000	Signature:	Date/Time:	Signature:	Date/Time:
Printed Name: Charles O. M. Peel	Firm: Peel Consulting	Printed Name: [illegible]	Firm: CAS	Printed Name:	Firm:	Printed Name:	Firm:

RCOC #1 06/03

Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form

PC GS

Client / Project: ECCS Service Request K08 02796

Received: 4/1/08 Opened: 4/1/08 By: DW

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):** 3.2
   Temperature Blank (°C): 2.6
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
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

Sample ID	Bottle Count	Bottle Type	Out of Temp	Head-space	Broken	pH	Reagent	Volume added	Reagent Lot Number	Initials

*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: K0802796

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
KEP-GW-020A-003	K0802796-001	03/28/2008	04/01/2008
KEP-GW-020B-003	K0802796-002	03/28/2008	04/01/2008
Duplcate 2	K0802796-003	03/28/2008	04/01/2008
KEP-GW-020A-003MS	KWG0803341-1	03/28/2008	04/01/2008
KEP-GW-020A-003DMS	KWG0803341-2	03/28/2008	04/01/2008

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: Holly Conrad
Name: Holly Conrad
Date: 04-16-08
Title: Scientist

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802796
Project:	Kuhlman Electric	**Date Collected:**	03/28/2008
Sample Matrix:	Water	**Date Received:**	04/01/2008

Volatile Organic Compounds

Sample Name:	KEP-GW-020A-003	**Units:**	ug/L
Lab Code:	K0802796-001	**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	04/11/08	04/11/08	KWG0803341	
Chloromethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Vinyl Chloride	ND	U	0.50	0.042	1	04/11/08	04/11/08	KWG0803341	
Bromomethane	ND	U	0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
Chloroethane	ND	U	0.50	0.23	1	04/11/08	04/11/08	KWG0803341	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Acetone	ND	U	20	4.1	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethene	**3.6**		0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
Carbon Disulfide	ND	U	0.50	0.16	1	04/11/08	04/11/08	KWG0803341	
Methylene Chloride	ND	U	2.0	0.20	1	04/11/08	04/11/08	KWG0803341	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
2-Butanone (MEK)	ND	U	20	2.3	1	04/11/08	04/11/08	KWG0803341	*
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/11/08	04/11/08	KWG0803341	
cis-1,2-Dichloroethene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Chloroform	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromochloromethane	ND	U	0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	*
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloroethane (EDC)	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Benzene	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Trichloroethene (TCE)	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromodichloromethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Dibromomethane	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
2-Hexanone	ND	U	20	4.0	1	04/11/08	04/11/08	KWG0803341	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Toluene	**0.30**	J	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/11/08	04/11/08	KWG0803341	
1,1,2-Trichloroethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	

Comments:

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: KEP-GW-020A-003
Lab Code: K0802796-001

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	04/11/08	04/11/08	KWG0803341	
Dibromochloromethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/11/08	04/11/08	KWG0803341	
Chlorobenzene	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Ethylbenzene	ND	U	0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
m,p-Xylenes	ND	U	0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
o-Xylene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Styrene	ND	U	0.50	0.095	1	04/11/08	04/11/08	KWG0803341	
Bromoform	ND	U	0.50	0.28	1	04/11/08	04/11/08	KWG0803341	
Isopropylbenzene	ND	U	2.0	0.11	1	04/11/08	04/11/08	KWG0803341	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/11/08	04/11/08	KWG0803341	
Bromobenzene	ND	U	2.0	0.18	1	04/11/08	04/11/08	KWG0803341	
n-Propylbenzene	ND	U	2.0	0.098	1	04/11/08	04/11/08	KWG0803341	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/11/08	04/11/08	KWG0803341	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
n-Butylbenzene	ND	U	2.0	0.23	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/11/08	04/11/08	KWG0803341	
Naphthalene	ND	U	2.0	0.29	1	04/11/08	04/11/08	KWG0803341	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/11/08	04/11/08	KWG0803341	

* See Case Narrative

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802796
Project:	Kuhlman Electric	**Date Collected:**	03/28/2008
Sample Matrix:	Water	**Date Received:**	04/01/2008

Volatile Organic Compounds

Sample Name:	KEP-GW-020A-003	**Units:**	ug/L
Lab Code:	K0802796-001	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	112	75-120	04/11/08	Acceptable
Toluene-d8	120	80-128	04/11/08	Acceptable
4-Bromofluorobenzene	105	75-117	04/11/08	Acceptable

Comments:

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: KEP-GW-020B-003
Lab Code: K0802796-002

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
Dichlorodifluoromethane	ND	U	0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
Chloromethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Vinyl Chloride	ND	U	0.50	0.042	1	04/11/08	04/11/08	KWG0803341	
Bromomethane	ND	U	0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
Chloroethane	ND	U	0.50	0.23	1	04/11/08	04/11/08	KWG0803341	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Acetone	ND	U	20	4.1	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethene	**19**		0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
Carbon Disulfide	ND	U	0.50	0.16	1	04/11/08	04/11/08	KWG0803341	
Methylene Chloride	ND	U	2.0	0.20	1	04/11/08	04/11/08	KWG0803341	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethane	**0.21**	J	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
2-Butanone (MEK)	ND	U	20	2.3	1	04/11/08	04/11/08	KWG0803341	*
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/11/08	04/11/08	KWG0803341	
cis-1,2-Dichloroethene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Chloroform	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromochloromethane	ND	U	0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	*
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloroethane (EDC)	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Benzene	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Trichloroethene (TCE)	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromodichloromethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Dibromomethane	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
2-Hexanone	ND	U	20	4.0	1	04/11/08	04/11/08	KWG0803341	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Toluene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/11/08	04/11/08	KWG0803341	
1,1,2-Trichloroethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	

Comments:

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: KEP-GW-020B-003
Lab Code: K0802796-002

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	04/11/08	04/11/08	KWG0803341	
Dibromochloromethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/11/08	04/11/08	KWG0803341	
Chlorobenzene	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Ethylbenzene	ND	U	0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
m,p-Xylenes	ND	U	0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
o-Xylene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Styrene	ND	U	0.50	0.095	1	04/11/08	04/11/08	KWG0803341	
Bromoform	ND	U	0.50	0.28	1	04/11/08	04/11/08	KWG0803341	
Isopropylbenzene	ND	U	2.0	0.11	1	04/11/08	04/11/08	KWG0803341	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/11/08	04/11/08	KWG0803341	
Bromobenzene	ND	U	2.0	0.18	1	04/11/08	04/11/08	KWG0803341	
n-Propylbenzene	ND	U	2.0	0.098	1	04/11/08	04/11/08	KWG0803341	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/11/08	04/11/08	KWG0803341	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
n-Butylbenzene	ND	U	2.0	0.23	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/11/08	04/11/08	KWG0803341	
Naphthalene	ND	U	2.0	0.29	1	04/11/08	04/11/08	KWG0803341	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/11/08	04/11/08	KWG0803341	

* See Case Narrative

Comments:

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: KEP-GW-020B-003
Lab Code: K0802796-002

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	75-120	04/11/08	Acceptable
Toluene-d8	121	80-128	04/11/08	Acceptable
4-Bromofluorobenzene	106	75-117	04/11/08	Acceptable

Comments:

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: Duplcate 2
Lab Code: K0802796-003

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	ND	U	0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
Chloromethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Vinyl Chloride	ND	U	0.50	0.042	1	04/11/08	04/11/08	KWG0803341	
Bromomethane	ND	U	0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
Chloroethane	ND	U	0.50	0.23	1	04/11/08	04/11/08	KWG0803341	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Acetone	ND	U	20	4.1	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethene	**4.5**		0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
Carbon Disulfide	ND	U	0.50	0.16	1	04/11/08	04/11/08	KWG0803341	
Methylene Chloride	ND	U	2.0	0.20	1	04/11/08	04/11/08	KWG0803341	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
2-Butanone (MEK)	ND	U	20	2.3	1	04/11/08	04/11/08	KWG0803341	*
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/11/08	04/11/08	KWG0803341	
cis-1,2-Dichloroethene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Chloroform	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromochloromethane	ND	U	0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	*
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloroethane (EDC)	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Benzene	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Trichloroethene (TCE)	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromodichloromethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Dibromomethane	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
2-Hexanone	ND	U	20	4.0	1	04/11/08	04/11/08	KWG0803341	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Toluene	**0.39**	J	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/11/08	04/11/08	KWG0803341	
1,1,2-Trichloroethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	

Comments:

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: Duplcate 2
Lab Code: K0802796-003

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	04/11/08	04/11/08	KWG0803341	
Dibromochloromethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/11/08	04/11/08	KWG0803341	
Chlorobenzene	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Ethylbenzene	ND	U	0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
m,p-Xylenes	ND	U	0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
o-Xylene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Styrene	ND	U	0.50	0.095	1	04/11/08	04/11/08	KWG0803341	
Bromoform	ND	U	0.50	0.28	1	04/11/08	04/11/08	KWG0803341	
Isopropylbenzene	ND	U	2.0	0.11	1	04/11/08	04/11/08	KWG0803341	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/11/08	04/11/08	KWG0803341	
Bromobenzene	ND	U	2.0	0.18	1	04/11/08	04/11/08	KWG0803341	
n-Propylbenzene	ND	U	2.0	0.098	1	04/11/08	04/11/08	KWG0803341	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/11/08	04/11/08	KWG0803341	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
n-Butylbenzene	ND	U	2.0	0.23	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/11/08	04/11/08	KWG0803341	
Naphthalene	ND	U	2.0	0.29	1	04/11/08	04/11/08	KWG0803341	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/11/08	04/11/08	KWG0803341	

* See Case Narrative

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802796
Project:	Kuhlman Electric	**Date Collected:**	03/28/2008
Sample Matrix:	Water	**Date Received:**	04/01/2008

Volatile Organic Compounds

Sample Name:	Duplcate 2	**Units:**	ug/L
Lab Code:	K0802796-003	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	112	75-120	04/11/08	Acceptable
Toluene-d8	122	80-128	04/11/08	Acceptable
4-Bromofluorobenzene	107	75-117	04/11/08	Acceptable

Comments:

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

Service Request: K0802796
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0803341-4

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	04/11/08	04/11/08	KWG0803341	
Chloromethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Vinyl Chloride	ND	U	0.50	0.042	1	04/11/08	04/11/08	KWG0803341	
Bromomethane	ND	U	0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
Chloroethane	ND	U	0.50	0.23	1	04/11/08	04/11/08	KWG0803341	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Acetone	ND	U	20	4.1	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethene	ND	U	0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
Carbon Disulfide	ND	U	0.50	0.16	1	04/11/08	04/11/08	KWG0803341	
Methylene Chloride	ND	U	2.0	0.20	1	04/11/08	04/11/08	KWG0803341	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
2-Butanone (MEK)	ND	U	20	2.3	1	04/11/08	04/11/08	KWG0803341	*
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/11/08	04/11/08	KWG0803341	
cis-1,2-Dichloroethene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Chloroform	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromochloromethane	ND	U	0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	*
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloroethane (EDC)	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Benzene	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Trichloroethene (TCE)	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromodichloromethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Dibromomethane	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
2-Hexanone	ND	U	20	4.0	1	04/11/08	04/11/08	KWG0803341	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Toluene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/11/08	04/11/08	KWG0803341	
1,1,2-Trichloroethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	

Comments:

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

Service Request: K0802796
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0803341-4

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	04/11/08	04/11/08	KWG0803341	
Dibromochloromethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/11/08	04/11/08	KWG0803341	
Chlorobenzene	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Ethylbenzene	ND	U	0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
m,p-Xylenes	ND	U	0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
o-Xylene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Styrene	ND	U	0.50	0.095	1	04/11/08	04/11/08	KWG0803341	
Bromoform	ND	U	0.50	0.28	1	04/11/08	04/11/08	KWG0803341	
Isopropylbenzene	ND	U	2.0	0.11	1	04/11/08	04/11/08	KWG0803341	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/11/08	04/11/08	KWG0803341	
Bromobenzene	ND	U	2.0	0.18	1	04/11/08	04/11/08	KWG0803341	
n-Propylbenzene	ND	U	2.0	0.098	1	04/11/08	04/11/08	KWG0803341	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/11/08	04/11/08	KWG0803341	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
n-Butylbenzene	ND	U	2.0	0.23	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/11/08	04/11/08	KWG0803341	
Naphthalene	ND	U	2.0	0.29	1	04/11/08	04/11/08	KWG0803341	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/11/08	04/11/08	KWG0803341	

* See Case Narrative

Comments:

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

Service Request: K0802796
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0803341-4

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	75-120	04/11/08	Acceptable
Toluene-d8	120	80-128	04/11/08	Acceptable
4-Bromofluorobenzene	110	75-117	04/11/08	Acceptable

Comments:

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

Service Request: K0802796

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-020A-003	K0802796-001	112	120	105
KEP-GW-020B-003	K0802796-002	111	121	106
Duplcate 2	K0802796-003	112	122	107
Method Blank	KWG0803341-4	110	120	110
KEP-GW-020A-003MS	KWG0803341-1	109	120	110
KEP-GW-020A-003DMS	KWG0803341-2	107	121	111
Lab Control Sample	KWG0803341-3	109	120	109

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.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
Date Analyzed: 04/11/2008
Time Analyzed: 10:05

Internal Standard Area and RT Summary
Volatile Organic Compounds

File ID: J:\MS04\DATA\041108\0411F003.D
Instrument ID: MS04
Analysis Method: 8260B

Lab Code: KWG0803340-2
Analysis Lot: KWG0803340

		Fluorobenzene		Chlorobenzene-d5		1,4-Dichlorobenzene-d4	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Results ==>	1,919,856	13.12	1,487,735	17.39	817,586	20.03
	Upper Limit ==>	3,839,712	13.62	2,975,470	17.89	1,635,172	20.53
	Lower Limit ==>	959,928	12.62	743,868	16.89	408,793	19.53
	ICAL Result ==>	1,753,678	13.18	1,237,660	17.44	609,147	20.07
Associated Analyses							
Lab Control Sample	KWG0803341-3	1,956,745	13.11	1,490,599	17.38	820,865	20.02
KEP-GW-020A-003MS	KWG0803341-1	2,035,876	13.12	1,563,004	17.39	857,805	20.03
KEP-GW-020A-003DMS	KWG0803341-2	2,062,716	13.11	1,571,201	17.38	866,277	20.03
Method Blank	KWG0803341-4	2,021,122	13.12	1,532,545	17.39	820,087	20.03
KEP-GW-020A-003	K0802796-001	1,926,432	13.12	1,493,414	17.39	769,999	20.03
KEP-GW-020B-003	K0802796-002	1,926,216	13.11	1,471,848	17.39	755,091	20.03
Duplcate 2	K0802796-003	1,943,344	13.12	1,520,775	17.39	777,869	20.03

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

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

Service Request: K0802796
Date Extracted: 04/11/2008
Date Analyzed: 04/11/2008

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: KEP-GW-020A-003
Lab Code: K0802796-001

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low
Extraction Lot: KWG0803341

Analyte Name	Sample Result	KEP-GW-020A-003MS KWG0803341-1 Matrix Spike			KEP-GW-020A-003DMS KWG0803341-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,1-Dichloroethene	3.6	16.6	10.0	131	15.5	10.0	120	67-147	7	30
Benzene	ND	10.7	10.0	107	10.2	10.0	102	69-126	4	30
Trichloroethene (TCE)	ND	11.9	10.0	119	11.3	10.0	113	56-137	5	30
Toluene	0.30	11.5	10.0	112	11.0	10.0	107	66-128	5	30
Chlorobenzene	ND	10.3	10.0	103	9.98	10.0	100	68-120	3	30
1,2-Dichlorobenzene	ND	9.90	10.0	99	9.63	10.0	96	67-116	3	30
Naphthalene	ND	10.6	10.0	106	10.5	10.0	105	61-137	1	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: K0802796
Date Extracted: 04/11/2008
Date Analyzed: 04/11/2008

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0803341

Analyte Name	Lab Control Sample KWG0803341-3 Lab Control Spike Result	Expected	%Rec	%Rec Limits
Dichlorodifluoromethane	9.71	10.0	97	21-156
Chloromethane	8.51	10.0	85	45-135
Vinyl Chloride	9.94	10.0	99	59-135
Bromomethane	9.65	10.0	97	24-144
Chloroethane	8.90	10.0	89	60-128
Trichlorofluoromethane	12.4	10.0	124	54-129
Acetone	52.6	50.0	105	53-129
1,1-Dichloroethene	12.0	10.0	120	70-136
Carbon Disulfide	19.4	20.0	97	64-129
Methylene Chloride	9.37	10.0	94	64-137
trans-1,2-Dichloroethene	10.6	10.0	106	70-121
1,1-Dichloroethane	10.5	10.0	105	72-122
2-Butanone (MEK)	52.8	50.0	106	56-137
2,2-Dichloropropane	13.2	10.0	132	48-133
cis-1,2-Dichloroethene	10.6	10.0	106	76-125
Chloroform	11.2	10.0	112	71-118
Bromochloromethane	10.3	10.0	103	72-123
1,1,1-Trichloroethane (TCA)	12.7	10.0	127 *	65-126
1,1-Dichloropropene	11.6	10.0	116	71-119
Carbon Tetrachloride	12.9	10.0	129	58-133
1,2-Dichloroethane (EDC)	12.5	10.0	125	69-125
Benzene	10.2	10.0	102	74-118
Trichloroethene (TCE)	11.3	10.0	113	71-122
1,2-Dichloropropane	9.62	10.0	96	73-123
Bromodichloromethane	12.2	10.0	122	72-127
Dibromomethane	10.7	10.0	107	71-124
2-Hexanone	52.8	50.0	106	44-135
cis-1,3-Dichloropropene	11.4	10.0	114	71-125
Toluene	10.8	10.0	108	74-117
trans-1,3-Dichloropropene	10.5	10.0	105	56-121
1,1,2-Trichloroethane	10.1	10.0	101	73-122
4-Methyl-2-pentanone (MIBK)	52.3	50.0	105	57-129
1,3-Dichloropropane	9.93	10.0	99	74-120
Tetrachloroethene (PCE)	11.3	10.0	113	65-121
Dibromochloromethane	10.7	10.0	107	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: K0802796
Date Extracted: 04/11/2008
Date Analyzed: 04/11/2008

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0803341

Analyte Name	Lab Control Sample KWG0803341-3 Lab Control Spike Result	Expected	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	10.4	10.0	104	71-120
Chlorobenzene	10.2	10.0	102	74-115
1,1,1,2-Tetrachloroethane	10.5	10.0	105	71-118
Ethylbenzene	10.5	10.0	105	71-118
m,p-Xylenes	21.2	20.0	106	73-119
o-Xylene	10.9	10.0	109	74-120
Styrene	10.7	10.0	107	75-123
Bromoform	12.3	10.0	123	57-135
Isopropylbenzene	10.1	10.0	101	65-110
1,1,2,2-Tetrachloroethane	8.84	10.0	88	63-126
1,2,3-Trichloropropane	9.43	10.0	94	67-123
Bromobenzene	9.94	10.0	99	76-111
n-Propylbenzene	9.95	10.0	100	69-122
2-Chlorotoluene	9.79	10.0	98	72-120
4-Chlorotoluene	9.58	10.0	96	70-118
1,3,5-Trimethylbenzene	9.71	10.0	97	70-120
tert-Butylbenzene	9.98	10.0	100	72-118
1,2,4-Trimethylbenzene	10.0	10.0	100	72-121
sec-Butylbenzene	10.7	10.0	107	73-130
1,3-Dichlorobenzene	9.92	10.0	99	76-110
4-Isopropyltoluene	9.81	10.0	98	67-115
1,4-Dichlorobenzene	9.67	10.0	97	74-112
n-Butylbenzene	9.97	10.0	100	62-123
1,2-Dichlorobenzene	9.87	10.0	99	75-110
1,2-Dibromo-3-chloropropane	10.5	10.0	105	49-124
1,2,4-Trichlorobenzene	10.7	10.0	107	66-115
1,2,3-Trichlorobenzene	11.2	10.0	112	64-120
Naphthalene	10.7	10.0	107	58-132
Hexachlorobutadiene	10.3	10.0	103	61-124
1,3,5-Trichlorobenzene	42.2	40.0	105	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:**	K0802796
Project:	Kuhlman Electric	**Date Extracted:**	04/11/2008
Sample Matrix:	Water	**Date Analyzed:**	04/11/2008
		Time Analyzed:	13:17

Method Blank Summary
Volatile Organic Compounds

Sample Name:	Method Blank	**File ID:**	J:\MS04\DATA\041108\0411F009.D
Lab Code:	KWG0803341-4	**Instrument ID:**	MS04
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG0803341

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0803341-3	J:\MS04\DATA\041108\0411F004.D	04/11/08	10:37
KEP-GW-020A-003MS	KWG0803341-1	J:\MS04\DATA\041108\0411F005.D	04/11/08	11:09
KEP-GW-020A-003DMS	KWG0803341-2	J:\MS04\DATA\041108\0411F006.D	04/11/08	11:41
KEP-GW-020A-003	K0802796-001	J:\MS04\DATA\041108\0411F012.D	04/11/08	14:53
KEP-GW-020B-003	K0802796-002	J:\MS04\DATA\041108\0411F013.D	04/11/08	15:25
Duplcate 2	K0802796-003	J:\MS04\DATA\041108\0411F014.D	04/11/08	15:57

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802796
Project:	Kuhlman Electric	**Date Extracted:**	04/11/2008
Sample Matrix:	Water	**Date Analyzed:**	04/11/2008
		Time Analyzed:	10:37

Lab Control Sample Summary
Volatile Organic Compounds

Sample Name:	Lab Control Sample	**File ID:**	J:\MS04\DATA\041108\0411F004.D
Lab Code:	KWG0803341-3	**Instrument ID:**	MS04
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG0803341

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
KEP-GW-020A-003MS	KWG0803341-1	J:\MS04\DATA\041108\0411F005.D	04/11/08	11:09
KEP-GW-020A-003DMS	KWG0803341-2	J:\MS04\DATA\041108\0411F006.D	04/11/08	11:41
Method Blank	KWG0803341-4	J:\MS04\DATA\041108\0411F009.D	04/11/08	13:17
KEP-GW-020A-003	K0802796-001	J:\MS04\DATA\041108\0411F012.D	04/11/08	14:53
KEP-GW-020B-003	K0802796-002	J:\MS04\DATA\041108\0411F013.D	04/11/08	15:25
Duplcate 2	K0802796-003	J:\MS04\DATA\041108\0411F014.D	04/11/08	15:57

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
Date Analyzed: 04/11/2008
Time Analyzed: 09:29

Tune Summary
Volatile Organic Compounds

File ID: J:\MS04\DATA\041108\0411F002.D
Instrument ID: MS04
Column:

Analysis Method: 8260B
Analysis Lot: KWG0803340

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	16.7	24917	PASS
75	95	30	60	44.7	66776	PASS
95	95	100	100	100.0	149226	PASS
96	95	5	9	7.1	10567	PASS
173	174	0	2	0.0	0	PASS
174	95	50	120	101.5	151538	PASS
175	174	5	9	8.4	12689	PASS
176	174	95	101	95.3	144365	PASS
177	176	5	9	7.0	10104	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG0803340-2	J:\MS04\DATA\041108\0411F003.D	04/11/2008	10:05	
Lab Control Sample	KWG0803341-3	J:\MS04\DATA\041108\0411F004.D	04/11/2008	10:37	
KEP-GW-020A-003MS	KWG0803341-1	J:\MS04\DATA\041108\0411F005.D	04/11/2008	11:09	
KEP-GW-020A-003DMS	KWG0803341-2	J:\MS04\DATA\041108\0411F006.D	04/11/2008	11:41	
Method Blank	KWG0803341-4	J:\MS04\DATA\041108\0411F009.D	04/11/2008	13:17	
KEP-GW-020A-003	K0802796-001	J:\MS04\DATA\041108\0411F012.D	04/11/2008	14:53	
KEP-GW-020B-003	K0802796-002	J:\MS04\DATA\041108\0411F013.D	04/11/2008	15:25	
Duplcate 2	K0802796-003	J:\MS04\DATA\041108\0411F014.D	04/11/2008	15:57	

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

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
Calibration Date: 10/10/2007

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL6696
Instrument ID: MS04

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS04\DATA\101007\1010F004.D	F	J:\MS04\DATA\101007\1010F010.D
B	J:\MS04\DATA\101007\1010F005.D	G	J:\MS04\DATA\101007\1010F011.D
C	J:\MS04\DATA\101007\1010F006.D	H	J:\MS04\DATA\101007\1010F012.D
D	J:\MS04\DATA\101007\1010F007.D	I	J:\MS04\DATA\101007\1010F013.D
E	J:\MS04\DATA\101007\1010F009.D	J	J:\MS04\DATA\101007\1010F017.D

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Dichlorodifluoromethane				B	0.20	0.285	C	0.50	0.317	D	1.0	0.328	E	5.0	0.302
	F	10	0.309	G	20	0.337	H	40	0.312	I	60	0.312	J	2.0	0.160
† Chloromethane				B	0.20	0.453	C	0.50	0.422	D	1.0	0.400	E	5.0	0.364
	F	10	0.371	G	20	0.397	H	40	0.392	I	60	0.393	J	2.0	0.272
‡ Vinyl Chloride	A	0.10	0.276	B	0.20	0.290	C	0.50	0.353	D	1.0	0.349	E	5.0	0.335
	F	10	0.338	G	20	0.365	H	40	0.352	I	60	0.354	J	2.0	0.193
Bromomethane							C	0.50	0.233	D	1.0	0.208	E	5.0	0.207
	F	10	0.224	G	20	0.258	H	40	0.261	I	60	0.272	J	2.0	0.156
Chloroethane				B	0.20	0.263	C	0.50	0.268	D	1.0	0.256	E	5.0	0.244
	F	10	0.241	G	20	0.250	H	40	0.238	I	60	0.235	J	2.0	0.161
Trichlorofluoromethane				B	0.20	0.350	C	0.50	0.394	D	1.0	0.398	E	5.0	0.374
	F	10	0.373	G	20	0.395	H	40	0.373	I	60	0.369	J	2.0	0.191
Acetone	A	4.0	0.0283	B	10	0.0264	C	20	0.0287	D	40	0.0259	E	100	0.0233
	F	200	0.0260	G	400	0.0251	H	800	0.0250	I	1600	0.0250	J	80	0.0258
‡ 1,1-Dichloroethene				B	0.20	0.247	C	0.50	0.265	D	1.0	0.258	E	5.0	0.249
	F	10	0.253	G	20	0.270	H	40	0.260	I	60	0.258	J	2.0	0.144
Carbon Disulfide	A	0.10	0.883	B	0.20	1.04	C	0.50	1.10	D	1.0	1.09	E	5.0	1.05
	F	10	1.06	G	20	1.13	H	40	1.09	I	60	1.10	J	2.0	0.634
Methylene Chloride							C	0.50	0.519	D	1.0	0.419	E	5.0	0.332
	F	10	0.314	G	20	0.312	H	40	0.296	I	60	0.290	J	2.0	0.316
trans-1,2-Dichloroethene	A	0.10	0.290	B	0.20	0.330	C	0.50	0.339	D	1.0	0.330	E	5.0	0.322
	F	10	0.325	G	20	0.339	H	40	0.325	I	60	0.323	J	2.0	0.221
† 1,1-Dichloroethane	A	0.10	0.487	B	0.20	0.521	C	0.50	0.523	D	1.0	0.538	E	5.0	0.516
	F	10	0.510	G	20	0.523	H	40	0.507	I	60	0.503	J	2.0	0.388
2-Butanone (MEK)	A	4.0	0.00830	B	10	0.00895	C	20	0.0107	D	40	0.0101	E	100	0.00919
	F	200	0.0105	G	400	0.0103	H	800	0.0106	I	1600	0.0105	J	80	0.0102
2,2-Dichloropropane							C	0.50	0.377	D	1.0	0.370	E	5.0	0.352
	F	10	0.351	G	20	0.364	H	40	0.347	I	60	0.343	J	2.0	0.219

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Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
Calibration Date: 10/10/2007

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL6696
Instrument ID: MS04

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
cis-1,2-Dichloroethene	A	0.10	0.302	B	0.20	0.327	C	0.50	0.345	D	1.0	0.332	E	5.0	0.332
	F	10	0.329	G	20	0.338	H	40	0.327	I	60	0.325	J	2.0	0.268
‡ Chloroform	A	0.10	0.466	B	0.20	0.486	C	0.50	0.496	D	1.0	0.489	E	5.0	0.475
	F	10	0.473	G	20	0.483	H	40	0.466	I	60	0.459	J	2.0	0.380
Bromochloromethane				B	0.20	0.158	C	0.50	0.155	D	1.0	0.157	E	5.0	0.157
	F	10	0.155	G	20	0.154	H	40	0.148	I	60	0.143	J	2.0	0.142
1,1,1-Trichloroethane (TCA)				B	0.20	0.323	C	0.50	0.367	D	1.0	0.370	E	5.0	0.357
	F	10	0.360	G	20	0.373	H	40	0.360	I	60	0.355	J	2.0	0.217
1,1-Dichloropropene				B	0.20	0.342	C	0.50	0.377	D	1.0	0.375	E	5.0	0.372
	F	10	0.384	G	20	0.406	H	40	0.394	I	60	0.391	J	2.0	0.222
Carbon Tetrachloride				B	0.20	0.262	C	0.50	0.321	D	1.0	0.318	E	5.0	0.303
	F	10	0.311	G	20	0.325	H	40	0.312	I	60	0.307	J	2.0	0.170
1,2-Dichloroethane (EDC)	A	0.10	0.236	B	0.20	0.242	C	0.50	0.250	D	1.0	0.245	E	5.0	0.240
	F	10	0.238	G	20	0.239	H	40	0.229	I	60	0.222	J	2.0	0.218
Benzene	A	0.10	1.06	B	0.20	1.08	C	0.50	1.16	D	1.0	1.11	E	5.0	1.10
	F	10	1.11	G	20	1.16	H	40	1.14	I	60	1.15	J	2.0	0.826
Trichloroethene (TCE)				B	0.20	0.269	C	0.50	0.292	D	1.0	0.282	E	5.0	0.274
	F	10	0.284	G	20	0.297	H	40	0.288	I	60	0.284	J	2.0	0.194
‡ 1,2-Dichloropropane				B	0.20	0.278	C	0.50	0.272	D	1.0	0.259	E	5.0	0.266
	F	10	0.260	G	20	0.270	H	40	0.263	I	60	0.262	J	2.0	0.226
Bromodichloromethane				B	0.20	0.311	C	0.50	0.301	D	1.0	0.298	E	5.0	0.302
	F	10	0.301	G	20	0.307	H	40	0.301	I	60	0.297	J	2.0	0.256
Dibromomethane				B	0.20	0.136	C	0.50	0.139	D	1.0	0.134	E	5.0	0.135
	F	10	0.133	G	20	0.134	H	40	0.130	I	60	0.128	J	2.0	0.123
2-Hexanone	A	4.0	0.0112	B	10	0.0106	C	20	0.0124	D	40	0.0125	E	100	0.0120
	F	200	0.0139	G	400	0.0140	H	800	0.0145	I	1600	0.0143	J	80	0.0135
cis-1,3-Dichloropropene	A	0.10	0.328	B	0.20	0.332	C	0.50	0.341	D	1.0	0.334	E	5.0	0.357
	F	10	0.357	G	20	0.375	H	40	0.373	I	60	0.372	J	2.0	0.312
‡ Toluene				B	0.20	0.643	C	0.50	0.678	D	1.0	0.662	E	5.0	0.666
	F	10	0.674	G	20	0.704	H	40	0.690	I	60	0.680	J	2.0	0.497
trans-1,3-Dichloropropene	A	0.10	0.325	B	0.20	0.319	C	0.50	0.350	D	1.0	0.341	E	5.0	0.366
	F	10	0.372	G	20	0.385	H	40	0.387	I	60	0.393	J	2.0	0.327
1,1,2-Trichloroethane	A	0.10	0.183	B	0.20	0.181	C	0.50	0.198	D	1.0	0.188	E	5.0	0.194
	F	10	0.188	G	20	0.194	H	40	0.191	I	60	0.192	J	2.0	0.179

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Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
Calibration Date: 10/10/2007

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL6696
Instrument ID: MS04

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)	A	4.0	0.0112	B	10	0.0118	C	20	0.0130	D	40	0.0135	E	100	0.0124
	F	200	0.0144	G	400	0.0143	H	800	0.0149	I	1600	0.0146	J	80	0.0140
1,3-Dichloropropane				B	0.20	0.411	C	0.50	0.408	D	1.0	0.403	E	5.0	0.403
	F	10	0.405	G	20	0.411	H	40	0.408	I	60	0.409	J	2.0	0.385
Tetrachloroethene (PCE)				B	0.20	0.365	C	0.50	0.381	D	1.0	0.369	E	5.0	0.359
	F	10	0.362	G	20	0.388	H	40	0.373	I	60	0.373	J	2.0	0.237
Dibromochloromethane				B	0.20	0.288	C	0.50	0.304	D	1.0	0.290	E	5.0	0.298
	F	10	0.301	G	20	0.312	H	40	0.313	I	60	0.315	J	2.0	0.274
1,2-Dibromoethane (EDB)				B	0.20	0.228	C	0.50	0.247	D	1.0	0.231	E	5.0	0.239
	F	10	0.239	G	20	0.243	H	40	0.243	I	60	0.243	J	2.0	0.223
† Chlorobenzene	A	0.10	0.989	B	0.20	1.05	C	0.50	1.11	D	1.0	1.07	E	5.0	1.07
	F	10	1.06	G	20	1.11	H	40	1.10	I	60	1.11	J	2.0	0.897
1,1,1,2-Tetrachloroethane	A	0.10	0.310	B	0.20	0.347	C	0.50	0.350	D	1.0	0.340	E	5.0	0.354
	F	10	0.350	G	20	0.364	H	40	0.357	I	60	0.357	J	2.0	0.296
‡ Ethylbenzene				B	0.20	0.461	C	0.50	0.517	D	1.0	0.520	E	5.0	0.533
	F	10	0.545	G	20	0.580	H	40	0.571	I	60	0.572	J	2.0	0.392
m,p-Xylenes				B	0.40	0.580	C	1.0	0.651	D	2.0	0.653	E	10	0.675
	F	20	0.690	G	40	0.736	H	80	0.726	I	120	0.735	J	4.0	0.507
o-Xylene	A	0.10	0.491	B	0.20	0.557	C	0.50	0.609	D	1.0	0.608	E	5.0	0.639
	F	10	0.656	G	20	0.687	H	40	0.676	I	60	0.673	J	2.0	0.508
Styrene				B	0.20	0.814	C	0.50	0.913	D	1.0	0.909	E	5.0	1.02
	F	10	1.06	G	20	1.12	H	40	1.13	I	60	1.14	J	2.0	0.829
† Bromoform							C	0.50	0.143	D	1.0	0.141	E	5.0	0.152
	F	10	0.151	G	20	0.159	H	40	0.159	I	60	0.160	J	2.0	0.138
Isopropylbenzene							C	0.50	1.50	D	1.0	1.52	E	5.0	1.60
	F	10	1.66	G	20	1.80	H	40	1.79	I	60	1.70	J	2.0	1.13
† 1,1,2,2-Tetrachloroethane							C	0.50	0.470	D	1.0	0.460	E	5.0	0.459
	F	10	0.448	G	20	0.455	H	40	0.453	I	60	0.459	J	2.0	0.449
1,2,3-Trichloropropane							C	0.50	0.124	D	1.0	0.123	E	5.0	0.130
	F	10	0.125	G	20	0.127	H	40	0.126	I	60	0.126	J	2.0	0.119
Bromobenzene	A	0.10	0.737	B	0.20	0.897	C	0.50	0.912	D	1.0	0.890	E	5.0	0.919
	F	10	0.898	G	20	0.928	H	40	0.913	I	60	0.927	J	2.0	0.808
n-Propylbenzene				B	0.20	3.45	C	0.50	3.85	D	1.0	3.81	E	5.0	3.99
	F	10	4.08	G	20	4.42	H	40	4.42	I	60	3.88	J	2.0	2.82

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Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
Calibration Date: 10/10/2007

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL6696
Instrument ID: MS04

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
2-Chlorotoluene	A	0.10	2.31	B	0.20	2.35	C	0.50	2.65	D	1.0	2.49	E	5.0	2.55
	F	10	2.56	G	20	2.71	H	40	2.66	I	60	2.72	J	2.0	2.02
4-Chlorotoluene	A	0.10	1.99	B	0.20	2.38	C	0.50	2.36	D	1.0	2.33	E	5.0	2.34
	F	10	2.32	G	20	2.47	H	40	2.45	I	60	2.51	J	2.0	1.90
1,3,5-Trimethylbenzene							C	0.50	2.52	D	1.0	2.48	E	5.0	2.62
	F	10	2.63	G	20	2.84	H	40	2.84	I	60	2.89	J	2.0	1.94
tert-Butylbenzene							C	0.50	0.624	D	1.0	0.628	E	5.0	0.640
	F	10	0.657	G	20	0.709	H	40	0.691	I	60	0.699	J	2.0	0.457
1,2,4-Trimethylbenzene				B	0.20	2.30	C	0.50	2.39	D	1.0	2.41	E	5.0	2.59
	F	10	2.61	G	20	2.81	H	40	2.79	I	60	2.84	J	2.0	2.01
sec-Butylbenzene							C	0.50	3.26	D	1.0	3.25	E	5.0	3.33
	F	10	3.44	G	20	3.74	H	40	3.72	I	60	3.59	J	2.0	2.26
1,3-Dichlorobenzene	A	0.10	1.53	B	0.20	1.64	C	0.50	1.72	D	1.0	1.65	E	5.0	1.70
	F	10	1.68	G	20	1.76	H	40	1.72	I	60	1.75	J	2.0	1.45
4-Isopropyltoluene							C	0.50	2.73	D	1.0	2.74	E	5.0	2.94
	F	10	3.00	G	20	3.28	H	40	3.26	I	60	3.25	J	2.0	2.02
1,4-Dichlorobenzene	A	0.10	1.71	B	0.20	1.80	C	0.50	1.79	D	1.0	1.72	E	5.0	1.71
	F	10	1.69	G	20	1.74	H	40	1.70	I	60	1.73	J	2.0	1.53
n-Butylbenzene							C	0.50	2.36	D	1.0	2.28	E	5.0	2.49
	F	10	2.58	G	20	2.81	H	40	2.78	I	60	2.87	J	2.0	1.66
1,2-Dichlorobenzene	A	0.10	1.31	B	0.20	1.42	C	0.50	1.41	D	1.0	1.36	E	5.0	1.43
	F	10	1.40	G	20	1.45	H	40	1.42	I	60	1.44	J	2.0	1.27
1,2-Dibromo-3-chloropropane										D	1.0	0.0553	E	5.0	0.0665
	F	10	0.0704	G	20	0.0700	H	40	0.0725	I	60	0.0735	J	2.0	0.0645
1,2,4-Trichlorobenzene				B	0.20	0.587	C	0.50	0.636	D	1.0	0.635	E	5.0	0.691
	F	10	0.702	G	20	0.735	H	40	0.729	I	60	0.738	J	2.0	0.633
1,2,3-Trichlorobenzene				B	0.20	0.397	C	0.50	0.416	D	1.0	0.414	E	5.0	0.458
	F	10	0.468	G	20	0.489	H	40	0.488	I	60	0.494	J	2.0	0.445
Naphthalene							C	0.50	0.662	D	1.0	0.682	E	5.0	0.781
	F	10	0.804	G	20	0.866	H	40	0.886	I	60	0.919	J	2.0	0.747
Hexachlorobutadiene				B	0.20	0.320	C	0.50	0.328	D	1.0	0.327	E	5.0	0.327
	F	10	0.330	G	20	0.354	H	40	0.344	I	60	0.348	J	2.0	0.239
1,3,5-Trichlorobenzene	A	0.10	0.793	B	0.20	0.887	C	0.50	0.970	D	1.0	0.937	E	5.0	1.01
	F	10	1.01	G	20	1.06	H	40	1.04	I	60	1.06	J	2.0	0.836

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Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
Calibration Date: 10/10/2007

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL6696
Instrument ID: MS04

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Dibromofluoromethane				B	4.0	0.280	C	5.0	0.244	D	6.0	0.258	E	8.0	0.251
	F	10	0.236	G	20	0.275	H	40	0.273	I	50	0.262	J	7.0	0.284
Toluene-d8				B	4.0	0.740	C	5.0	0.606	D	6.0	0.679	E	8.0	0.676
	F	10	0.613	G	20	0.810	H	40	0.835	I	50	0.792	J	7.0	0.846
4-Bromofluorobenzene				B	4.0	0.395	C	5.0	0.352	D	6.0	0.399	E	8.0	0.372
	F	10	0.364	G	20	0.424	H	40	0.425	I	50	0.415	J	7.0	0.430

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Project: Kuhlman Electric

Service Request: K0802796
Calibration Date: 10/10/2007

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL6696
Instrument ID: MS04

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	17.9	*	≤ 15	0.296		0.01
† Chloromethane	TRG	AverageRF	% RSD	13.0		≤ 15	0.385		0.10
‡ Vinyl Chloride	TRG	AverageRF	% RSD	16.6	*	≤ 15	0.321		0.01
Bromomethane	TRG	AverageRF	% RSD	16.5	*	≤ 15	0.227		0.01
Chloroethane	TRG	AverageRF	% RSD	13.1		≤ 15	0.239		0.01
Trichlorofluoromethane	TRG	AverageRF	% RSD	17.9	*	≤ 15	0.357		0.01
Acetone	TRG	AverageRF	% RSD	6.2		≤ 15	0.0259		0.01
‡ 1,1-Dichloroethene	MS	AverageRF	% RSD	15.7	*	≤ 15	0.245		0.01
Carbon Disulfide	TRG	AverageRF	% RSD	14.8		≤ 15	1.02		0.01
Methylene Chloride	TRG	AverageRF	% RSD	22.7	*	≤ 15	0.350		0.01
trans-1,2-Dichloroethene	TRG	AverageRF	% RSD	11.3		≤ 15	0.314		0.01
† 1,1-Dichloroethane	TRG	AverageRF	% RSD	8.4		≤ 15	0.502		0.10
2-Butanone (MEK)	TRG	AverageRF	% RSD	8.2		≤ 15	0.00993	*	0.01
2,2-Dichloropropane	TRG	AverageRF	% RSD	14.8		≤ 15	0.341		0.01
cis-1,2-Dichloroethene	TRG	AverageRF	% RSD	6.9		≤ 15	0.323		0.01
‡ Chloroform	TRG	AverageRF	% RSD	7.0		≤ 15	0.467		0.01
Bromochloromethane	TRG	AverageRF	% RSD	4.1		≤ 15	0.152		0.01
1,1,1-Trichloroethane (TCA)	TRG	AverageRF	% RSD	14.4		≤ 15	0.342		0.01
1,1-Dichloropropene	TRG	AverageRF	% RSD	15.3	*	≤ 15	0.363		0.01
Carbon Tetrachloride	TRG	AverageRF	% RSD	16.8	*	≤ 15	0.292		0.01
1,2-Dichloroethane (EDC)	TRG	AverageRF	% RSD	4.3		≤ 15	0.236		0.01
Benzene	MS	AverageRF	% RSD	9.0		≤ 15	1.09		0.01
Trichloroethene (TCE)	MS	AverageRF	% RSD	11.4		≤ 15	0.274		0.01
‡ 1,2-Dichloropropane	TRG	AverageRF	% RSD	5.6		≤ 15	0.262		0.01
Bromodichloromethane	TRG	AverageRF	% RSD	5.4		≤ 15	0.297		0.01
Dibromomethane	TRG	AverageRF	% RSD	3.5		≤ 15	0.132		0.01
2-Hexanone	TRG	AverageRF	% RSD	10.4		≤ 15	0.0129		0.01
cis-1,3-Dichloropropene	TRG	AverageRF	% RSD	6.3		≤ 15	0.348		0.01
‡ Toluene	MS	AverageRF	% RSD	9.4		≤ 15	0.655		0.01
trans-1,3-Dichloropropene	TRG	AverageRF	% RSD	7.8		≤ 15	0.356		0.01
1,1,2-Trichloroethane	TRG	AverageRF	% RSD	3.3		≤ 15	0.189		0.01
4-Methyl-2-pentanone (MIBK)	TRG	AverageRF	% RSD	9.5		≤ 15	0.0134		0.01
1,3-Dichloropropane	TRG	AverageRF	% RSD	2.0		≤ 15	0.405		0.01
Tetrachloroethene (PCE)	TRG	AverageRF	% RSD	12.9		≤ 15	0.356		0.01
Dibromochloromethane	TRG	AverageRF	% RSD	4.6		≤ 15	0.299		0.01
1,2-Dibromoethane (EDB)	TRG	AverageRF	% RSD	3.4		≤ 15	0.237		0.01
† Chlorobenzene	MS	AverageRF	% RSD	6.4		≤ 15	1.06		0.30
1,1,1,2-Tetrachloroethane	TRG	AverageRF	% RSD	6.4		≤ 15	0.343		0.01
‡ Ethylbenzene	TRG	AverageRF	% RSD	11.7		≤ 15	0.521		0.01
m,p-Xylenes	TRG	AverageRF	% RSD	11.5		≤ 15	0.662		0.01
o-Xylene	TRG	AverageRF	% RSD	11.5		≤ 15	0.611		0.01
Styrene	TRG	AverageRF	% RSD	13.1		≤ 15	0.993		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: K0802796
Calibration Date: 10/10/2007

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL6696
Instrument ID: MS04

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	5.8		≤ 15	0.150		0.10
Isopropylbenzene	TRG	AverageRF	% RSD	13.6		≤ 15	1.59		0.01
† 1,1,2,2-Tetrachloroethane	TRG	AverageRF	% RSD	1.5		≤ 15	0.457		0.30
1,2,3-Trichloropropane	TRG	AverageRF	% RSD	2.5		≤ 15	0.125		0.01
Bromobenzene	TRG	AverageRF	% RSD	7.0		≤ 15	0.883		0.01
n-Propylbenzene	TRG	AverageRF	% RSD	12.8		≤ 15	3.86		0.01
2-Chlorotoluene	TRG	AverageRF	% RSD	8.7		≤ 15	2.50		0.01
4-Chlorotoluene	TRG	AverageRF	% RSD	8.7		≤ 15	2.31		0.01
1,3,5-Trimethylbenzene	TRG	AverageRF	% RSD	11.8		≤ 15	2.60		0.01
tert-Butylbenzene	TRG	AverageRF	% RSD	12.5		≤ 15	0.638		0.01
1,2,4-Trimethylbenzene	TRG	AverageRF	% RSD	10.9		≤ 15	2.53		0.01
sec-Butylbenzene	TRG	AverageRF	% RSD	14.2		≤ 15	3.32		0.01
1,3-Dichlorobenzene	TRG	AverageRF	% RSD	6.1		≤ 15	1.66		0.01
4-Isopropyltoluene	TRG	AverageRF	% RSD	14.5		≤ 15	2.90		0.01
1,4-Dichlorobenzene	TRG	AverageRF	% RSD	4.3		≤ 15	1.71		0.01
n-Butylbenzene	TRG	AverageRF	% RSD	15.9	*	≤ 15	2.48		0.01
1,2-Dichlorobenzene	MS	AverageRF	% RSD	4.2		≤ 15	1.39		0.01
1,2-Dibromo-3-chloropropane	TRG	AverageRF	% RSD	9.3		≤ 15	0.0675		0.01
1,2,4-Trichlorobenzene	TRG	AverageRF	% RSD	8.1		≤ 15	0.676		0.01
1,2,3-Trichlorobenzene	TRG	AverageRF	% RSD	8.0		≤ 15	0.452		0.01
Naphthalene	MS	AverageRF	% RSD	11.9		≤ 15	0.793		0.01
Hexachlorobutadiene	TRG	AverageRF	% RSD	10.4		≤ 15	0.324		0.01
1,3,5-Trichlorobenzene	TRG	AverageRF	% RSD	9.9		≤ 15	0.961		0.01
Dibromofluoromethane	SURR	AverageRF	% RSD	6.4		≤ 15	0.262		0.01
Toluene-d8	SURR	Linear	R2	0.996		≥ 0.990	0.733		0.01
4-Bromofluorobenzene	SURR	AverageRF	% RSD	7.2		≤ 15	0.397		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: K0802796
Calibration Date: 10/10/2007
Date Analyzed: 10/10/2007

Second Source Calibration Verification
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration ID: CAL6696
Units: PPB

File ID: J:\MS04\DATA\101007\1010F020.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Dichlorodifluoromethane	10	7.9	0.296	0.235	-21	NA	± 40 %	AverageRF
† Chloromethane	10	8.2	0.385	0.317	-18	NA	± 40 %	AverageRF
‡ Vinyl Chloride	10	8.7	0.321	0.278	-13	NA	± 20 %	AverageRF
Bromomethane	10	8.8	0.227	0.200	-12	NA	± 40 %	AverageRF
Chloroethane	10	8.3	0.239	0.199	-17	NA	± 40 %	AverageRF
Trichlorofluoromethane	10	7.3	0.357	0.261	-27	NA	± 30 %	AverageRF
Acetone	50	47	0.0259	0.0242	-7	NA	± 30 %	AverageRF
‡ 1,1-Dichloroethene	10	8.8	0.245	0.215	-12	NA	± 20 %	AverageRF
Carbon Disulfide	20	15	1.02	0.769	-24	NA	± 30 %	AverageRF
Methylene Chloride	10	8.2	0.350	0.287	-18	NA	± 30 %	AverageRF
trans-1,2-Dichloroethene	10	8.1	0.314	0.254	-19	NA	± 30 %	AverageRF
† 1,1-Dichloroethane	10	8.2	0.502	0.411	-18	NA	± 30 %	AverageRF
2-Butanone (MEK)	50	54	0.00993	0.0107	8	NA	± 30 %	AverageRF
2,2-Dichloropropane	10	7.9	0.341	0.270	-21	NA	± 30 %	AverageRF
cis-1,2-Dichloroethene	10	8.8	0.323	0.283	-12	NA	± 30 %	AverageRF
‡ Chloroform	10	8.1	0.467	0.380	-19	NA	± 20 %	AverageRF
Bromochloromethane	10	8.8	0.152	0.134	-12	NA	± 30 %	AverageRF
1,1,1-Trichloroethane (TCA)	10	7.9	0.342	0.271	-21	NA	± 30 %	AverageRF
1,1-Dichloropropene	10	7.8	0.363	0.284	-22	NA	± 30 %	AverageRF
Carbon Tetrachloride	10	7.9	0.292	0.232	-21	NA	± 30 %	AverageRF
1,2-Dichloroethane (EDC)	10	8.7	0.236	0.204	-14	NA	± 30 %	AverageRF
Benzene	10	8.2	1.09	0.898	-18	NA	± 30 %	AverageRF
Trichloroethene (TCE)	10	8.1	0.274	0.223	-19	NA	± 30 %	AverageRF
‡ 1,2-Dichloropropane	10	8.5	0.262	0.221	-16	NA	± 20 %	AverageRF
Bromodichloromethane	10	8.8	0.297	0.262	-12	NA	± 30 %	AverageRF
Dibromomethane	10	9.0	0.132	0.119	-10	NA	± 30 %	AverageRF
2-Hexanone	50	53	0.0129	0.0135	5	NA	± 30 %	AverageRF
cis-1,3-Dichloropropene	10	9.0	0.348	0.313	-10	NA	± 30 %	AverageRF
‡ Toluene	10	8.2	0.655	0.537	-18	NA	± 20 %	AverageRF
trans-1,3-Dichloropropene	10	8.9	0.356	0.316	-11	NA	± 30 %	AverageRF
1,1,2-Trichloroethane	10	9.3	0.189	0.175	-7	NA	± 30 %	AverageRF
4-Methyl-2-pentanone (MIBK)	50	51	0.0134	0.0137	2	NA	± 30 %	AverageRF
1,3-Dichloropropane	10	9.1	0.405	0.369	-9	NA	± 30 %	AverageRF
Tetrachloroethene (PCE)	10	7.8	0.356	0.278	-22	NA	± 30 %	AverageRF
Dibromochloromethane	10	9.1	0.299	0.273	-9	NA	± 30 %	AverageRF
1,2-Dibromoethane (EDB)	10	9.1	0.237	0.217	-9	NA	± 30 %	AverageRF
† Chlorobenzene	10	8.4	1.06	0.889	-16	NA	± 30 %	AverageRF
1,1,1,2-Tetrachloroethane	10	8.6	0.343	0.296	-14	NA	± 30 %	AverageRF
‡ Ethylbenzene	10	8.4	0.521	0.435	-16	NA	± 20 %	AverageRF
m,p-Xylenes	20	17	0.662	0.560	-15	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: K0802796
Calibration Date: 10/10/2007
Date Analyzed: 10/10/2007

Second Source Calibration Verification
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration ID: CAL6696
Units: PPB

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
o-Xylene	10	8.9	0.611	0.541	-11	NA	± 30 %	AverageRF
Styrene	10	9.2	0.993	0.909	-8	NA	± 30 %	AverageRF
† Bromoform	10	9.5	0.150	0.143	-5	NA	± 30 %	AverageRF
Isopropylbenzene	10	7.5	1.59	1.19	-25	NA	± 30 %	AverageRF
† 1,1,2,2-Tetrachloroethane	10	9.5	0.457	0.433	-5	NA	± 30 %	AverageRF
1,2,3-Trichloropropane	10	9.8	0.125	0.123	-2	NA	± 30 %	AverageRF
Bromobenzene	10	8.9	0.883	0.781	-11	NA	± 30 %	AverageRF
n-Propylbenzene	10	8.7	3.86	3.34	-13	NA	± 30 %	AverageRF
2-Chlorotoluene	10	8.6	2.50	2.15	-14	NA	± 30 %	AverageRF
4-Chlorotoluene	10	8.5	2.31	1.96	-15	NA	± 30 %	AverageRF
1,3,5-Trimethylbenzene	10	8.4	2.60	2.18	-16	NA	± 30 %	AverageRF
tert-Butylbenzene	10	8.5	0.638	0.543	-15	NA	± 30 %	AverageRF
1,2,4-Trimethylbenzene	10	8.8	2.53	2.23	-12	NA	± 30 %	AverageRF
sec-Butylbenzene	10	9.1	3.32	3.01	-10	NA	± 30 %	AverageRF
1,3-Dichlorobenzene	10	8.7	1.66	1.44	-13	NA	± 30 %	AverageRF
4-Isopropyltoluene	10	8.3	2.90	2.41	-17	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	10	8.5	1.71	1.46	-15	NA	± 30 %	AverageRF
n-Butylbenzene	10	8.6	2.48	2.14	-14	NA	± 30 %	AverageRF
1,2-Dichlorobenzene	10	8.9	1.39	1.24	-11	NA	± 30 %	AverageRF
1,2-Dibromo-3-chloropropane	10	9.8	0.0675	0.0665	-2	NA	± 30 %	AverageRF
1,2,4-Trichlorobenzene	10	9.6	0.676	0.647	-4	NA	± 30 %	AverageRF
1,2,3-Trichlorobenzene	10	10	0.452	0.452	0	NA	± 30 %	AverageRF
Naphthalene	10	10	0.793	0.792	0	NA	± 30 %	AverageRF
Hexachlorobutadiene	10	9.3	0.324	0.301	-7	NA	± 30 %	AverageRF
1,3,5-Trichlorobenzene	40	43	0.961	1.03	7	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: K0802796
Date Analyzed: 04/11/2008

Continuing Calibration Verification Summary
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration Date: 10/10/2007
Calibration ID: CAL6696
Analysis Lot: KWG0803340
Units: PPB

File ID: J:\MS04\DATA\041108\0411F003.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Dichlorodifluoromethane	10	8.1	0.01	0.296	0.241	-19	NA	± 40 %	AverageRF
† Chloromethane	10	8.0	0.10	0.385	0.306	-20	NA	± 40 %	AverageRF
‡ Vinyl Chloride	10	8.3	0.01	0.321	0.266	-17	NA	± 20 %	AverageRF
Bromomethane	10	8.8	0.01	0.227	0.199	-12	NA	± 40 %	AverageRF
Chloroethane	10	8.3	0.01	0.239	0.198	-17	NA	± 40 %	AverageRF
Trichlorofluoromethane	10	11	0.01	0.357	0.387	8	NA	± 30 %	AverageRF
Acetone	200	230	0.01	0.0259	0.0298	15	NA	± 30 %	AverageRF
‡ 1,1-Dichloroethene	10	9.2	0.01	0.245	0.226	-8	NA	± 20 %	AverageRF
Carbon Disulfide	10	8.8	0.01	1.02	0.899	-12	NA	± 30 %	AverageRF
Methylene Chloride	10	8.4	0.01	0.350	0.294	-16	NA	± 30 %	AverageRF
trans-1,2-Dichloroethene	10	9.2	0.01	0.314	0.290	-8	NA	± 30 %	AverageRF
† 1,1-Dichloroethane	10	9.6	0.10	0.502	0.479	-4	NA	± 30 %	AverageRF
2-Butanone (MEK)	200	210	0.01	0.00993	0.0105	6	NA	± 30 %	AverageRF
2,2-Dichloropropane	10	11	0.01	0.341	0.369	8	NA	± 30 %	AverageRF
cis-1,2-Dichloroethene	10	10	0.01	0.323	0.322	0	NA	± 30 %	AverageRF
‡ Chloroform	10	11	0.01	0.467	0.493	5	NA	± 20 %	AverageRF
Bromochloromethane	10	10	0.01	0.152	0.158	4	NA	± 30 %	AverageRF
1,1,1-Trichloroethane (TCA)	10	11	0.01	0.342	0.366	7	NA	± 30 %	AverageRF
1,1-Dichloropropene	10	9.6	0.01	0.363	0.348	-4	NA	± 30 %	AverageRF
Carbon Tetrachloride	10	11	0.01	0.292	0.307	5	NA	± 30 %	AverageRF
1,2-Dichloroethane (EDC)	10	13	0.01	0.236	0.304	29	NA	± 30 %	AverageRF
Benzene	10	9.4	0.01	1.09	1.03	-6	NA	± 30 %	AverageRF
Trichloroethene (TCE)	10	9.8	0.01	0.274	0.267	-2	NA	± 30 %	AverageRF
‡ 1,2-Dichloropropane	10	9.4	0.01	0.262	0.247	-6	NA	± 20 %	AverageRF
Bromodichloromethane	10	12	0.01	0.297	0.343	15	NA	± 30 %	AverageRF
Dibromomethane	10	11	0.01	0.132	0.143	8	NA	± 30 %	AverageRF
2-Hexanone	200	220	0.01	0.0129	0.0142	10	NA	± 30 %	AverageRF
cis-1,3-Dichloropropene	10	11	0.01	0.348	0.391	12	NA	± 30 %	AverageRF
‡ Toluene	10	10	0.01	0.655	0.658	0	NA	± 20 %	AverageRF
trans-1,3-Dichloropropene	10	11	0.01	0.356	0.398	12	NA	± 30 %	AverageRF
1,1,2-Trichloroethane	10	9.7	0.01	0.189	0.184	-3	NA	± 30 %	AverageRF
4-Methyl-2-pentanone (MIBK)	200	230	0.01	0.0134	0.0153	14	NA	± 30 %	AverageRF
1,3-Dichloropropane	10	9.8	0.01	0.405	0.395	-2	NA	± 30 %	AverageRF
Tetrachloroethene (PCE)	10	9.4	0.01	0.356	0.334	-6	NA	± 30 %	AverageRF
Dibromochloromethane	10	10	0.01	0.299	0.310	3	NA	± 30 %	AverageRF
1,2-Dibromoethane (EDB)	10	10	0.01	0.237	0.245	3	NA	± 30 %	AverageRF
† Chlorobenzene	10	9.4	0.30	1.06	0.992	-6	NA	± 30 %	AverageRF
1,1,1,2-Tetrachloroethane	10	10	0.01	0.343	0.347	1	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: K0802796
Date Analyzed: 04/11/2008

Continuing Calibration Verification Summary
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration Date: 10/10/2007
Calibration ID: CAL6696
Analysis Lot: KWG0803340
Units: PPB

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
‡ Ethylbenzene	10	9.3	0.01	0.521	0.485	-7	NA	± 20 %	AverageRF
m,p-Xylenes	20	19	0.01	0.662	0.623	-6	NA	± 30 %	AverageRF
o-Xylene	10	10	0.01	0.611	0.613	0	NA	± 30 %	AverageRF
Styrene	10	10	0.01	0.993	1.03	3	NA	± 30 %	AverageRF
† Bromoform	10	12	0.10	0.150	0.177	18	NA	± 30 %	AverageRF
Isopropylbenzene	10	9.4	0.01	1.59	1.49	-6	NA	± 30 %	AverageRF
† 1,1,2,2-Tetrachloroethane	10	8.4	0.30	0.457	0.384	-16	NA	± 30 %	AverageRF
1,2,3-Trichloropropane	10	9.2	0.01	0.125	0.115	-8	NA	± 30 %	AverageRF
Bromobenzene	10	9.8	0.01	0.883	0.864	-2	NA	± 30 %	AverageRF
n-Propylbenzene	10	8.5	0.01	3.86	3.29	-15	NA	± 30 %	AverageRF
2-Chlorotoluene	10	8.8	0.01	2.50	2.21	-12	NA	± 30 %	AverageRF
4-Chlorotoluene	10	8.9	0.01	2.31	2.04	-11	NA	± 30 %	AverageRF
1,3,5-Trimethylbenzene	10	8.9	0.01	2.60	2.30	-12	NA	± 30 %	AverageRF
tert-Butylbenzene	10	8.5	0.01	0.638	0.540	-15	NA	± 30 %	AverageRF
1,2,4-Trimethylbenzene	10	9.2	0.01	2.53	2.34	-8	NA	± 30 %	AverageRF
sec-Butylbenzene	10	8.9	0.01	3.32	2.95	-11	NA	± 30 %	AverageRF
1,3-Dichlorobenzene	10	9.3	0.01	1.66	1.55	-7	NA	± 30 %	AverageRF
4-Isopropyltoluene	10	8.8	0.01	2.90	2.56	-12	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	10	9.2	0.01	1.71	1.57	-8	NA	± 30 %	AverageRF
n-Butylbenzene	10	8.7	0.01	2.48	2.15	-13	NA	± 30 %	AverageRF
1,2-Dichlorobenzene	10	9.5	0.01	1.39	1.32	-5	NA	± 30 %	AverageRF
1,2-Dibromo-3-chloropropane	10	10	0.01	0.0675	0.0695	3	NA	± 30 %	AverageRF
1,2,4-Trichlorobenzene	10	9.8	0.01	0.676	0.660	-2	NA	± 30 %	AverageRF
1,2,3-Trichlorobenzene	10	9.5	0.01	0.452	0.429	-5	NA	± 30 %	AverageRF
Naphthalene	10	9.0	0.01	0.793	0.714	-10	NA	± 30 %	AverageRF
Hexachlorobutadiene	10	8.9	0.01	0.324	0.290	-11	NA	± 30 %	AverageRF
1,3,5-Trichlorobenzene	10	10	0.01	0.961	0.981	2	NA	± 30 %	AverageRF
Dibromofluoromethane	10	11	0.01	0.262	0.287	9	NA	± 30 %	AverageRF
Toluene-d8	10	12	0.01	0.733	0.922	NA	21	± 30 %	Linear
4-Bromofluorobenzene	10	11	0.01	0.397	0.447	13	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: K0802796

Analysis Run Log
Volatile Organic Compounds

Analysis Method: 8260B

Analysis Lot: KWG0803340
Instrument ID: MS04

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0411F002.D	GC/MS Tuning - Generic	KWG0803340-1	4/11/2008	09:29		4/11/2008	09:55
0411F003.D	Continuing Calibration Verification	KWG0803340-2	4/11/2008	10:05		4/11/2008	10:31
0411F004.D	Lab Control Sample	KWG0803341-3	4/11/2008	10:37		4/11/2008	11:03
0411F005.D	KEP-GW-020A-003MS	KWG0803341-1	4/11/2008	11:09		4/11/2008	11:35
0411F006.D	KEP-GW-020A-003DMS	KWG0803341-2	4/11/2008	11:41		4/11/2008	12:07
0411F009.D	Method Blank	KWG0803341-4	4/11/2008	13:17		4/11/2008	13:43
0411F010.D	ZZZZZZ	ZZZZZZ	4/11/2008	13:49		4/11/2008	14:15
0411F011.D	ZZZZZZ	ZZZZZZ	4/11/2008	14:21		4/11/2008	14:47
0411F012.D	KEP-GW-020A-003	K0802796-001	4/11/2008	14:53		4/11/2008	15:19
0411F013.D	KEP-GW-020B-003	K0802796-002	4/11/2008	15:25		4/11/2008	15:51
0411F014.D	Duplcate 2	K0802796-003	4/11/2008	15:57		4/11/2008	16:23
0411F015.D	ZZZZZZ	ZZZZZZ	4/11/2008	16:30		4/11/2008	16:56
0411F016.D	ZZZZZZ	ZZZZZZ	4/11/2008	17:02		4/11/2008	17:28
0411F017.D	ZZZZZZ	ZZZZZZ	4/11/2008	17:34		4/11/2008	18:00
0411F018.D	ZZZZZZ	ZZZZZZ	4/11/2008	18:06		4/11/2008	18:32
0411F019.D	ZZZZZZ	ZZZZZZ	4/11/2008	18:38		4/11/2008	19:04
0411F020.D	ZZZZZZ	ZZZZZZ	4/11/2008	19:11		4/11/2008	19:37
0411F021.D	ZZZZZZ	ZZZZZZ	4/11/2008	19:43		4/11/2008	20:09
0411F022.D	ZZZZZZ	ZZZZZZ	4/11/2008	20:15		4/11/2008	20:41
0411F023.D	ZZZZZZ	ZZZZZZ	4/11/2008	20:47		4/11/2008	21:13
0411F024.D	ZZZZZZ	ZZZZZZ	4/11/2008	21:19		4/11/2008	21:45

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: K0802796
Date Extracted: 04/11/2008

Extraction Prep Log
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Extraction Lot: KWG0803341
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
KEP-GW-020A-003	K0802796-001	03/28/08	04/01/08	10ml	10ml	NA	
KEP-GW-020B-003	K0802796-002	03/28/08	04/01/08	10ml	10ml	NA	
Duplcate 2	K0802796-003	03/28/08	04/01/08	10ml	10ml	NA	
Method Blank	KWG0803341-4	NA	NA	10ml	10ml	NA	
KEP-GW-020A-003MS	KWG0803341-1	03/28/08	04/01/08	10ml	10ml	NA	
KEP-GW-020A-003DMS	KWG0803341-2	03/28/08	04/01/08	10ml	10ml	NA	
Lab Control Sample	KWG0803341-3	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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K0802796

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-020A-003	K0802796-001	112	120	105
KEP-GW-020B-003	K0802796-002	111	121	106
Duplcate 2	K0802796-003	112	122	107
Method Blank	KWG0803341-4	110	120	110
KEP-GW-020A-003MS	KWG0803341-1	109	120	110
KEP-GW-020A-003DMS	KWG0803341-2	107	121	111
Lab Control Sample	KWG0803341-3	109	120	109

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.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
Date Analyzed: 04/11/2008
Time Analyzed: 10:05

Internal Standard Area and RT Summary
Volatile Organic Compounds

File ID: J:\MS04\DATA\041108\0411F003.D
Instrument ID: MS04
Analysis Method: 8260B

Lab Code: KWG0803340-2
Analysis Lot: KWG0803340

		Fluorobenzene		Chlorobenzene-d5		1,4-Dichlorobenzene-d4	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Results ==>	1,919,856	13.12	1,487,735	17.39	817,586	20.03
	Upper Limit ==>	3,839,712	13.62	2,975,470	17.89	1,635,172	20.53
	Lower Limit ==>	959,928	12.62	743,868	16.89	408,793	19.53
	ICAL Result ==>	1,753,678	13.18	1,237,660	17.44	609,147	20.07
Associated Analyses							
Lab Control Sample	KWG0803341-3	1,956,745	13.11	1,490,599	17.38	820,865	20.02
KEP-GW-020A-003MS	KWG0803341-1	2,035,876	13.12	1,563,004	17.39	857,805	20.03
KEP-GW-020A-003DMS	KWG0803341-2	2,062,716	13.11	1,571,201	17.38	866,277	20.03
Method Blank	KWG0803341-4	2,021,122	13.12	1,532,545	17.39	820,087	20.03
KEP-GW-020A-003	K0802796-001	1,926,432	13.12	1,493,414	17.39	769,999	20.03
KEP-GW-020B-003	K0802796-002	1,926,216	13.11	1,471,848	17.39	755,091	20.03
Duplcate 2	K0802796-003	1,943,344	13.12	1,520,775	17.39	777,869	20.03

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

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

Service Request: K0802796
Date Extracted: 04/11/2008
Date Analyzed: 04/11/2008

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: KEP-GW-020A-003
Lab Code: K0802796-001

Units: ug/L
Basis: NA

Extraction Method: EPA 5030B
Analysis Method: 8260B

Level: Low
Extraction Lot: KWG0803341

Analyte Name	Sample Result	KEP-GW-020A-003MS KWG0803341-1 Matrix Spike			KEP-GW-020A-003DMS KWG0803341-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
1,1-Dichloroethene	3.6	16.6	10.0	131	15.5	10.0	120	67-147	7	30
Benzene	ND	10.7	10.0	107	10.2	10.0	102	69-126	4	30
Trichloroethene (TCE)	ND	11.9	10.0	119	11.3	10.0	113	56-137	5	30
Toluene	0.30	11.5	10.0	112	11.0	10.0	107	66-128	5	30
Chlorobenzene	ND	10.3	10.0	103	9.98	10.0	100	68-120	3	30
1,2-Dichlorobenzene	ND	9.90	10.0	99	9.63	10.0	96	67-116	3	30
Naphthalene	ND	10.6	10.0	106	10.5	10.0	105	61-137	1	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: K0802796
Date Extracted: 04/11/2008
Date Analyzed: 04/11/2008

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0803341

Analyte Name	Lab Control Sample KWG0803341-3 Lab Control Spike Result	Expected	%Rec	%Rec Limits
Dichlorodifluoromethane	9.71	10.0	97	21-156
Chloromethane	8.51	10.0	85	45-135
Vinyl Chloride	9.94	10.0	99	59-135
Bromomethane	9.65	10.0	97	24-144
Chloroethane	8.90	10.0	89	60-128
Trichlorofluoromethane	12.4	10.0	124	54-129
Acetone	52.6	50.0	105	53-129
1,1-Dichloroethene	12.0	10.0	120	70-136
Carbon Disulfide	19.4	20.0	97	64-129
Methylene Chloride	9.37	10.0	94	64-137
trans-1,2-Dichloroethene	10.6	10.0	106	70-121
1,1-Dichloroethane	10.5	10.0	105	72-122
2-Butanone (MEK)	52.8	50.0	106	56-137
2,2-Dichloropropane	13.2	10.0	132	48-133
cis-1,2-Dichloroethene	10.6	10.0	106	76-125
Chloroform	11.2	10.0	112	71-118
Bromochloromethane	10.3	10.0	103	72-123
1,1,1-Trichloroethane (TCA)	12.7	10.0	127 *	65-126
1,1-Dichloropropene	11.6	10.0	116	71-119
Carbon Tetrachloride	12.9	10.0	129	58-133
1,2-Dichloroethane (EDC)	12.5	10.0	125	69-125
Benzene	10.2	10.0	102	74-118
Trichloroethene (TCE)	11.3	10.0	113	71-122
1,2-Dichloropropane	9.62	10.0	96	73-123
Bromodichloromethane	12.2	10.0	122	72-127
Dibromomethane	10.7	10.0	107	71-124
2-Hexanone	52.8	50.0	106	44-135
cis-1,3-Dichloropropene	11.4	10.0	114	71-125
Toluene	10.8	10.0	108	74-117
trans-1,3-Dichloropropene	10.5	10.0	105	56-121
1,1,2-Trichloroethane	10.1	10.0	101	73-122
4-Methyl-2-pentanone (MIBK)	52.3	50.0	105	57-129
1,3-Dichloropropane	9.93	10.0	99	74-120
Tetrachloroethene (PCE)	11.3	10.0	113	65-121
Dibromochloromethane	10.7	10.0	107	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: K0802796
Date Extracted: 04/11/2008
Date Analyzed: 04/11/2008

Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method: EPA 5030B
Analysis Method: 8260B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0803341

Analyte Name	Lab Control Sample KWG0803341-3 Lab Control Spike Result	Expected	%Rec	%Rec Limits
1,2-Dibromoethane (EDB)	10.4	10.0	104	71-120
Chlorobenzene	10.2	10.0	102	74-115
1,1,1,2-Tetrachloroethane	10.5	10.0	105	71-118
Ethylbenzene	10.5	10.0	105	71-118
m,p-Xylenes	21.2	20.0	106	73-119
o-Xylene	10.9	10.0	109	74-120
Styrene	10.7	10.0	107	75-123
Bromoform	12.3	10.0	123	57-135
Isopropylbenzene	10.1	10.0	101	65-110
1,1,2,2-Tetrachloroethane	8.84	10.0	88	63-126
1,2,3-Trichloropropane	9.43	10.0	94	67-123
Bromobenzene	9.94	10.0	99	76-111
n-Propylbenzene	9.95	10.0	100	69-122
2-Chlorotoluene	9.79	10.0	98	72-120
4-Chlorotoluene	9.58	10.0	96	70-118
1,3,5-Trimethylbenzene	9.71	10.0	97	70-120
tert-Butylbenzene	9.98	10.0	100	72-118
1,2,4-Trimethylbenzene	10.0	10.0	100	72-121
sec-Butylbenzene	10.7	10.0	107	73-130
1,3-Dichlorobenzene	9.92	10.0	99	76-110
4-Isopropyltoluene	9.81	10.0	98	67-115
1,4-Dichlorobenzene	9.67	10.0	97	74-112
n-Butylbenzene	9.97	10.0	100	62-123
1,2-Dichlorobenzene	9.87	10.0	99	75-110
1,2-Dibromo-3-chloropropane	10.5	10.0	105	49-124
1,2,4-Trichlorobenzene	10.7	10.0	107	66-115
1,2,3-Trichlorobenzene	11.2	10.0	112	64-120
Naphthalene	10.7	10.0	107	58-132
Hexachlorobutadiene	10.3	10.0	103	61-124
1,3,5-Trichlorobenzene	42.2	40.0	105	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:**	K0802796
Project:	Kuhlman Electric	**Date Extracted:**	04/11/2008
Sample Matrix:	Water	**Date Analyzed:**	04/11/2008
		Time Analyzed:	13:17

Method Blank Summary
Volatile Organic Compounds

Sample Name:	Method Blank	**File ID:**	J:\MS04\DATA\041108\0411F009.D
Lab Code:	KWG0803341-4	**Instrument ID:**	MS04
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG0803341

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0803341-3	J:\MS04\DATA\041108\0411F004.D	04/11/08	10:37
KEP-GW-020A-003MS	KWG0803341-1	J:\MS04\DATA\041108\0411F005.D	04/11/08	11:09
KEP-GW-020A-003DMS	KWG0803341-2	J:\MS04\DATA\041108\0411F006.D	04/11/08	11:41
KEP-GW-020A-003	K0802796-001	J:\MS04\DATA\041108\0411F012.D	04/11/08	14:53
KEP-GW-020B-003	K0802796-002	J:\MS04\DATA\041108\0411F013.D	04/11/08	15:25
Duplcate 2	K0802796-003	J:\MS04\DATA\041108\0411F014.D	04/11/08	15:57

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802796
Project:	Kuhlman Electric	**Date Extracted:**	04/11/2008
Sample Matrix:	Water	**Date Analyzed:**	04/11/2008
		Time Analyzed:	10:37

Lab Control Sample Summary
Volatile Organic Compounds

Sample Name:	Lab Control Sample	**File ID:**	J:\MS04\DATA\041108\0411F004.D
Lab Code:	KWG0803341-3	**Instrument ID:**	MS04
Extraction Method:	EPA 5030B	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG0803341

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
KEP-GW-020A-003MS	KWG0803341-1	J:\MS04\DATA\041108\0411F005.D	04/11/08	11:09
KEP-GW-020A-003DMS	KWG0803341-2	J:\MS04\DATA\041108\0411F006.D	04/11/08	11:41
Method Blank	KWG0803341-4	J:\MS04\DATA\041108\0411F009.D	04/11/08	13:17
KEP-GW-020A-003	K0802796-001	J:\MS04\DATA\041108\0411F012.D	04/11/08	14:53
KEP-GW-020B-003	K0802796-002	J:\MS04\DATA\041108\0411F013.D	04/11/08	15:25
Duplcate 2	K0802796-003	J:\MS04\DATA\041108\0411F014.D	04/11/08	15:57

Organic Analysis:
Volatile Organic Compounds

Validation Package

Raw Data

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: KEP-GW-020A-003
Lab Code: K0802796-001

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	04/11/08	04/11/08	KWG0803341	
Chloromethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Vinyl Chloride	ND	U	0.50	0.042	1	04/11/08	04/11/08	KWG0803341	
Bromomethane	ND	U	0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
Chloroethane	ND	U	0.50	0.23	1	04/11/08	04/11/08	KWG0803341	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Acetone	ND	U	20	4.1	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethene	**3.6**		0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
Carbon Disulfide	ND	U	0.50	0.16	1	04/11/08	04/11/08	KWG0803341	
Methylene Chloride	ND	U	2.0	0.20	1	04/11/08	04/11/08	KWG0803341	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
2-Butanone (MEK)	ND	U	20	2.3	1	04/11/08	04/11/08	KWG0803341	*
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/11/08	04/11/08	KWG0803341	
cis-1,2-Dichloroethene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Chloroform	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromochloromethane	ND	U	0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	*
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloroethane (EDC)	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Benzene	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Trichloroethene (TCE)	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromodichloromethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Dibromomethane	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
2-Hexanone	ND	U	20	4.0	1	04/11/08	04/11/08	KWG0803341	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Toluene	**0.30**	J	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/11/08	04/11/08	KWG0803341	
1,1,2-Trichloroethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	

Comments:

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: KEP-GW-020A-003
Lab Code: K0802796-001

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	04/11/08	04/11/08	KWG0803341	
Dibromochloromethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/11/08	04/11/08	KWG0803341	
Chlorobenzene	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Ethylbenzene	ND	U	0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
m,p-Xylenes	ND	U	0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
o-Xylene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Styrene	ND	U	0.50	0.095	1	04/11/08	04/11/08	KWG0803341	
Bromoform	ND	U	0.50	0.28	1	04/11/08	04/11/08	KWG0803341	
Isopropylbenzene	ND	U	2.0	0.11	1	04/11/08	04/11/08	KWG0803341	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/11/08	04/11/08	KWG0803341	
Bromobenzene	ND	U	2.0	0.18	1	04/11/08	04/11/08	KWG0803341	
n-Propylbenzene	ND	U	2.0	0.098	1	04/11/08	04/11/08	KWG0803341	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/11/08	04/11/08	KWG0803341	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
n-Butylbenzene	ND	U	2.0	0.23	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/11/08	04/11/08	KWG0803341	
Naphthalene	ND	U	2.0	0.29	1	04/11/08	04/11/08	KWG0803341	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/11/08	04/11/08	KWG0803341	

* See Case Narrative

Comments:

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: KEP-GW-020A-003
Lab Code: K0802796-001

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	112	75-120	04/11/08	Acceptable
Toluene-d8	120	80-128	04/11/08	Acceptable
4-Bromofluorobenzene	105	75-117	04/11/08	Acceptable

Comments:

Exception Report

Data File: J:\MS04\DATA\041108\0411F012.D
Lab ID: K0802796-001
RunType: SMPL
Matrix: WATER

Date Acquired: 04/11/2008 14:53
Date Quantitated: 04/11/2008 15:31
Batch ID: KWG0803340
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	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	2-Butanone (MEK)	0.0099	0.01	NA	MRL check
Lab Control Spike	1,1,1-Trichloroethane (TCA)	127	65	126	Advisory

Primary Review: HC 4.11.08

Secondary Review: F-A-h 4/14/8

Quantitation Report

Bottle ID:		**Tier:**	III	**Matrix:**	WATER
Prod Code:	8260B VOC_FP	**Collect Date:**	03/28/2008	**Receive Date:**	04/01/2008

Analysis Lot:	KWG0803340	**Prep Lot:**	KWG0803341	**Report Group:**	K0802796
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	700850	**Prep Date:**	04/11/2008		

Quant Method:	J:\MS04\METHODS\101007MS04-8	**Calibration ID:**	CAL6696
Title:	Volatile Organic Compounds	**Report List ID:**	LJ8580
Tune Ref:	J:\MS04\DATA\041108\0411F002.D	**Method ID:**	MJ119
MB Ref:	J:\MS04\DATA\041108\0411F009.D	**Quant based on Report List**	

Data File:	J:\MS04\DATA\041108\0411F012.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 14:53	**Quant Date:**	04/11/2008 15:31	**Vial:**	12
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802796-001			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	13.12	0.00	96	1926432	10.00	OK
2	Chlorobenzene-d5	17.39	0.00	117	1493414	10.00	OK
3	1,4-Dichlorobenzene-d4	20.03	0.00	152	769999	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	12.00	0.01	0.00	113	565913	11.19	112	75-120	OK	
1	Toluene-d8	15.46	0.01	0.00	98	1762204	12.04	120	80-128	OK	
2	4-Bromofluorobenzene	18.74	0.00	0.00	95	624287	10.52	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				85	0		0.17	U	
1	Chloromethane				50	0d		0.14	U	
1	Vinyl Chloride				62	0		0.042	U	
1	Bromomethane				94	0		0.22	U	
1	Chloroethane				64	0		0.23	U	
1	Trichlorofluoromethane				101	0		0.14	U	
1	1,1-Dichloroethene	8.06		0.00	96	168852	3.58	3.6		
1	Acetone	8.12	0.01	0.00	43	12302	2.46	4.1	U	
1	Carbon Disulfide	8.53	-0.01	0.00	76	3348	0.0200	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	10.15		0.00	63	2707	0.0300	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:\MS04\DATA\041108\0411F012.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 14:53	**Quant Date:**	04/11/2008 15:31	**Vial:**	12
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802796-001			**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	11.71		0.00	83	4132	0.0500	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	0d		0.14	U	
1	1,2-Dichloroethane (EDC)				62	0d		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)				100	0d		2.7	U	
1	Toluene	15.56	0.01	0.00	92	37351	0.3000	0.30	J	
2	trans-1,3-Dichloropropene				75	0		0.090	U	
2	1,1,2-Trichloroethane				83	0		0.14	U	
2	Tetrachloroethene (PCE)	16.31		0.00	164	2242	0.0400	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	0d		0.13	U	
2	1,1,1,2-Tetrachloroethane				131	0d		0.12	U	
2	m,p-Xylenes				106	0d		0.22	U	
2	o-Xylene				106	0		0.11	U	
2	Styrene				104	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	0d		0.098	U	
3	1,2,3-Trichloropropane				110	0		0.24	U	
3	2-Chlorotoluene				91	0d		0.12	U	
3	1,3,5-Trimethylbenzene				105	0		0.13	U	
3	4-Chlorotoluene				91	0d		0.12	U	
3	tert-Butylbenzene				134	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:\MS04\DATA\041108\0411F012.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 14:53	**Quant Date:**	04/11/2008 15:31	**Vial:**	12
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802796-001			**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**d**		0.23	U	
3	1,2-Dichlorobenzene				146	0		0.12	U	
3	1,2-Dibromo-3-chloropropane				157	0		1.0	U	
3	1,3,5-Trichlorobenzene	21.64	0.01	0.00	180	3818	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				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

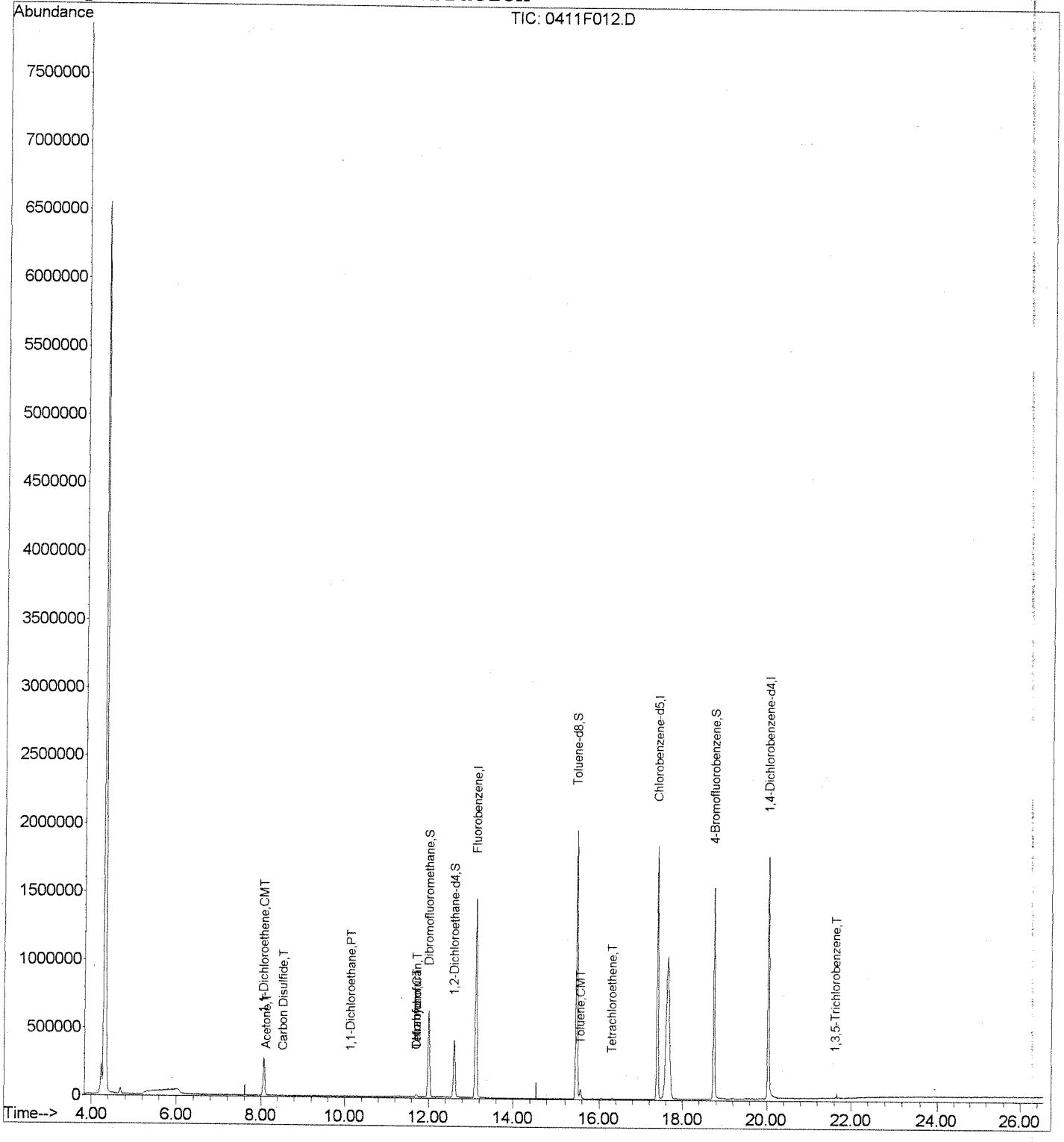
Quantitation Report (QT Reviewed)

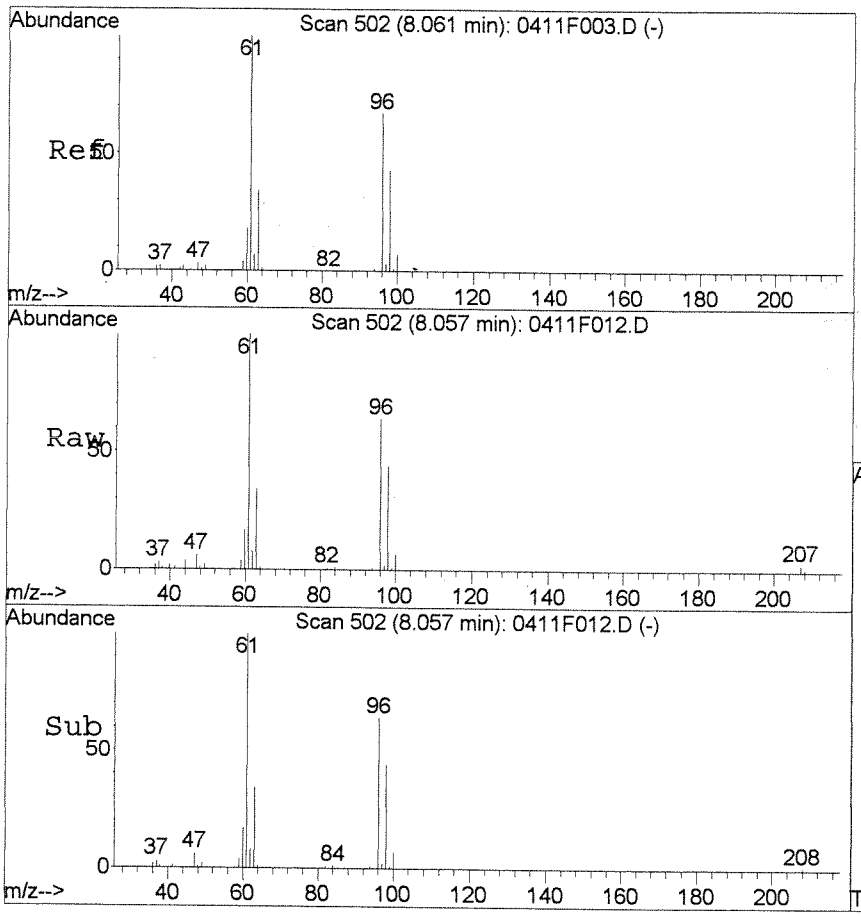
Data File : J:\MS04\DATA\041108\0411F012.D
Acq On : 11 Apr 2008 2:53 pm
Sample : K0802796-001
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 15:31 2008

Vial: 12
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Initial Calibration

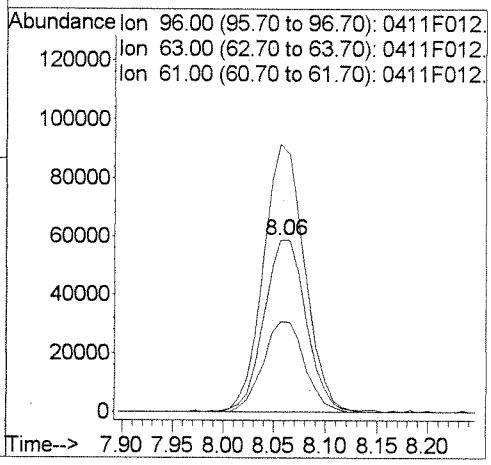


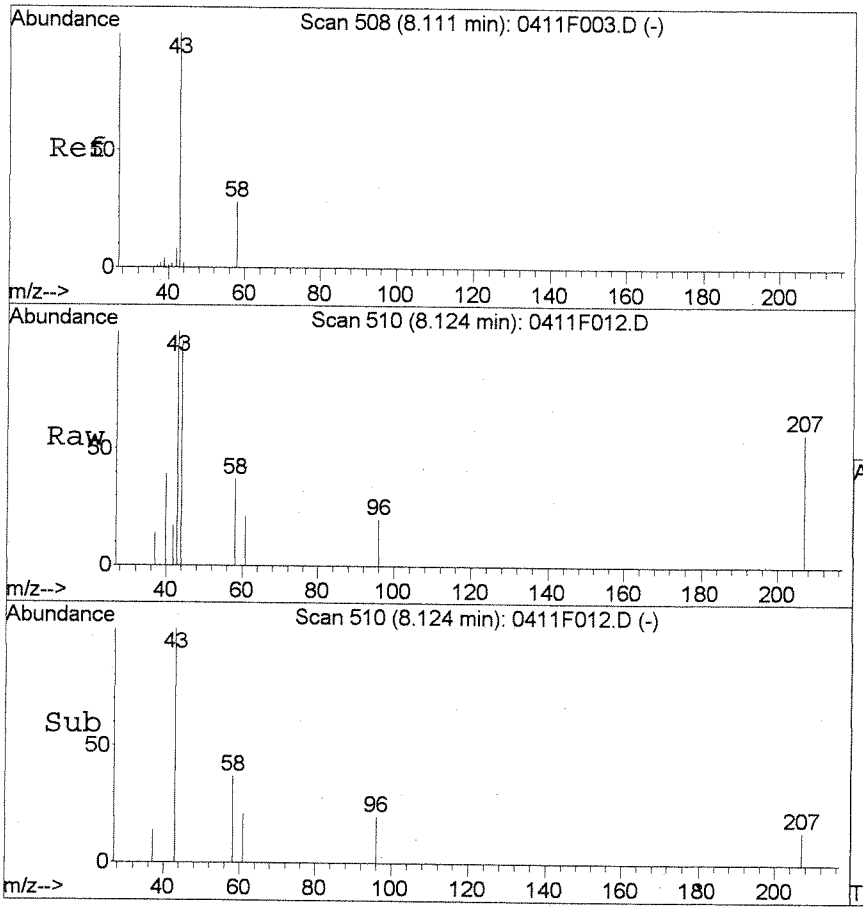


#11
1,1-Dichloroethene
Concen: 3.58 PPB
RT: 8.06 min Scan# 502
Delta R.T. -0.00 min
Lab File: 0411F012.D
Acq: 11 Apr 2008 2:53 pm

Tgt Ion: 96 Resp: 168852

Ion	Ratio	Lower	Upper
96	100		
63	52.3	20.2	80.2
61	156.1	118.6	178.6

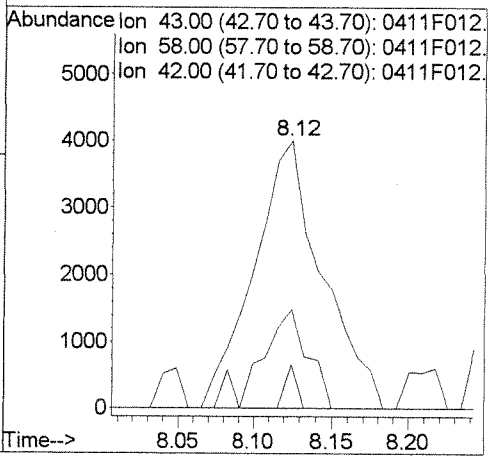


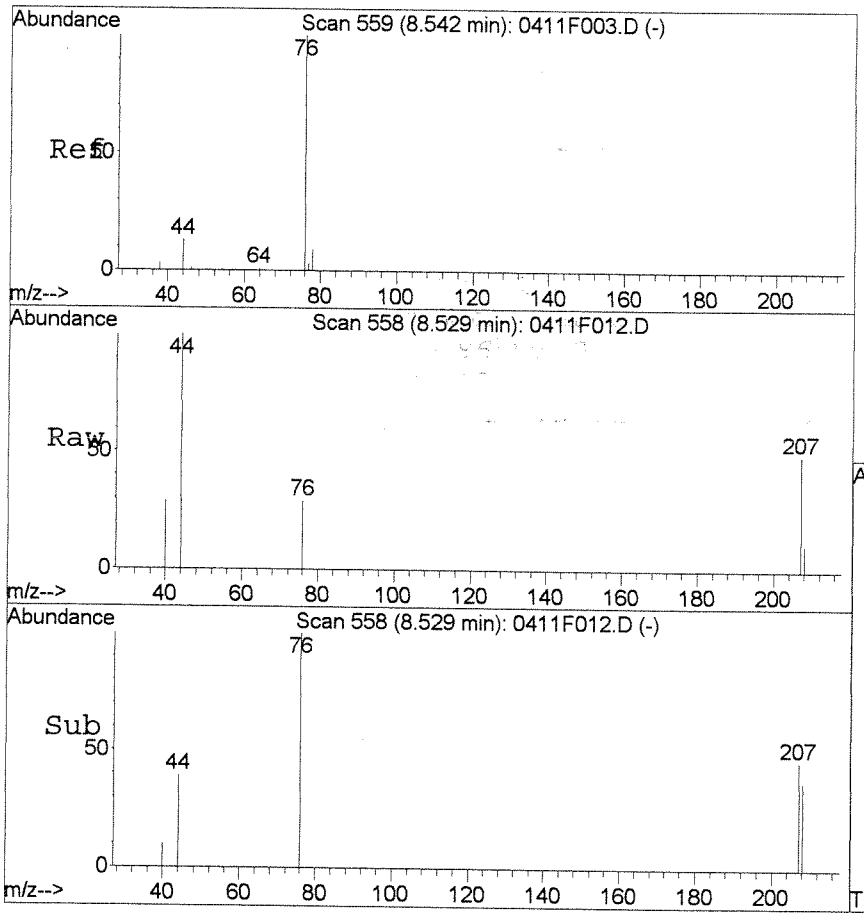


#12
Acetone
Concen: 2.46 PPB
RT: 8.12 min Scan# 510
Delta R.T. 0.01 min
Lab File: 0411F012.D
Acq: 11 Apr 2008 2:53 pm

Tgt Ion: 43 Resp: 12302

Ion	Ratio	Lower	Upper
43	100		
58	37.0	0.0	57.6
42	16.5	0.0	37.7

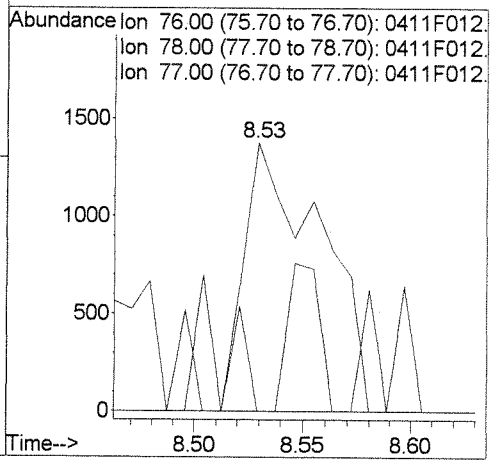


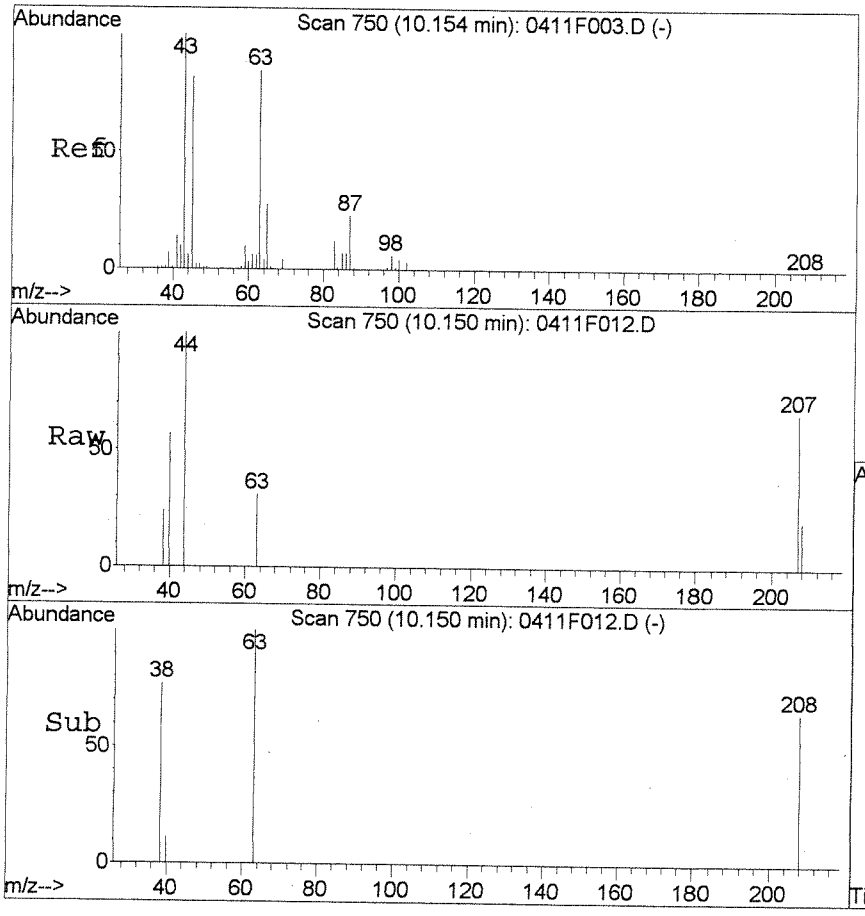


#14
Carbon Disulfide
Concen: 0.02 PPB
RT: 8.53 min Scan# 558
Delta R.T. -0.01 min
Lab File: 0411F012.D
Acq: 11 Apr 2008 2:53 pm

Tgt Ion: 76 Resp: 3348

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	38.6
77	0.0	0.0	32.9

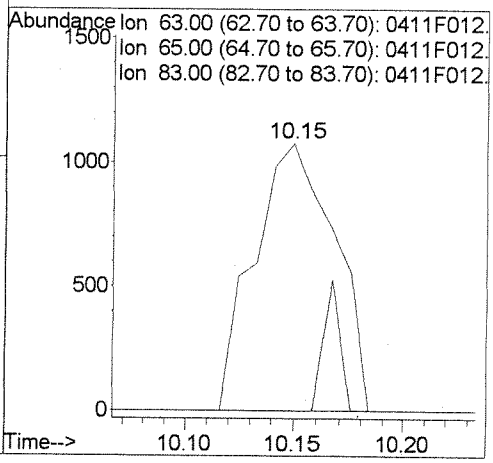


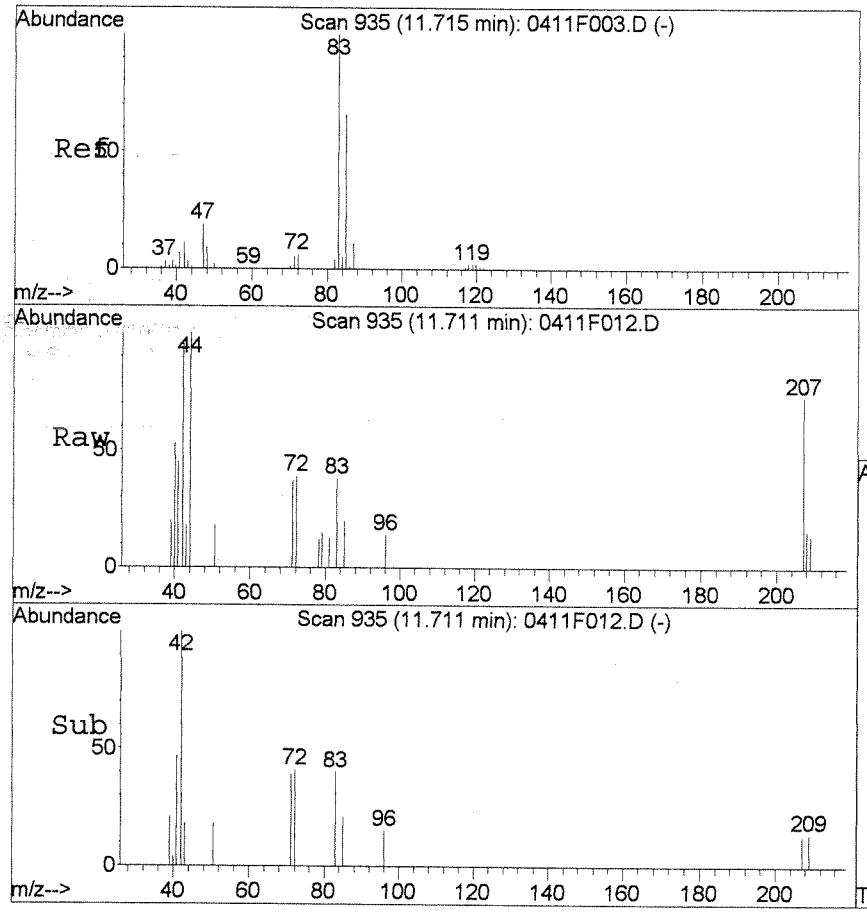


#24
1,1-Dichloroethane
Concen: 0.03 PPB
RT: 10.15 min Scan# 750
Delta R.T. -0.00 min
Lab File: 0411F012.D
Acq: 11 Apr 2008 2:53 pm

Tgt Ion: 63 Resp: 2707

Ion	Ratio	Lower	Upper
63	100		
65	0.0	2.6	62.6#
83	0.0	0.0	44.4

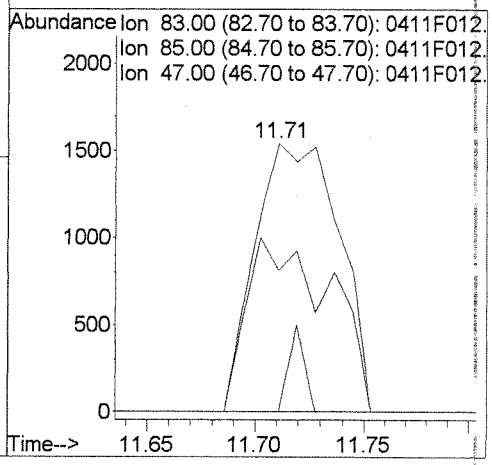


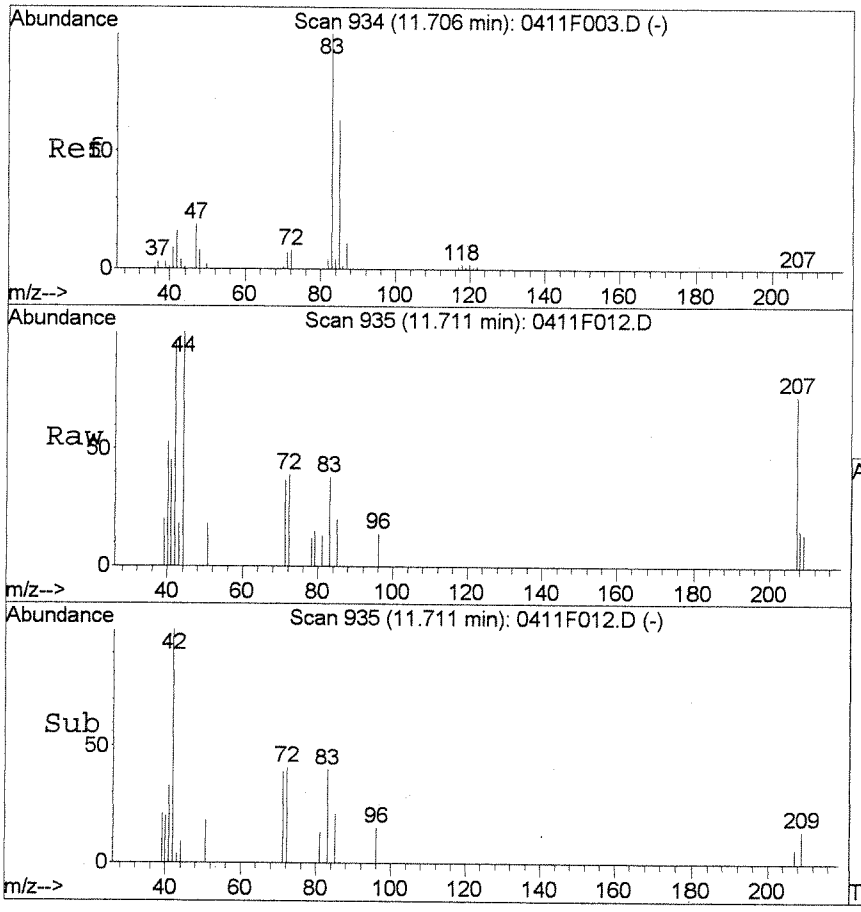


#37
Chloroform
Concen: 0.05 PPB
RT: 11.71 min Scan# 935
Delta R.T. -0.00 min
Lab File: 0411F012.D
Acq: 11 Apr 2008 2:53 pm

Tgt Ion: 83 Resp: 4132

Ion	Ratio	Lower	Upper
83	100		
85	52.6	36.1	96.1
47	0.0	0.0	53.4

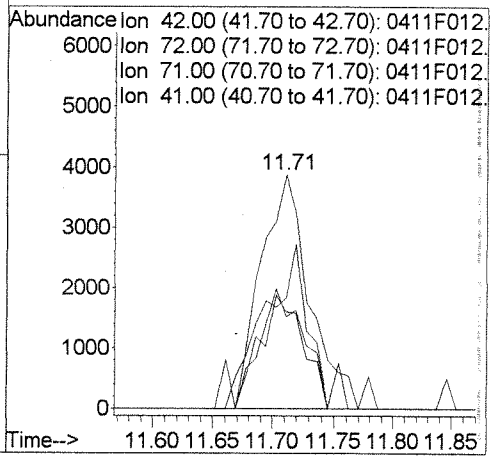


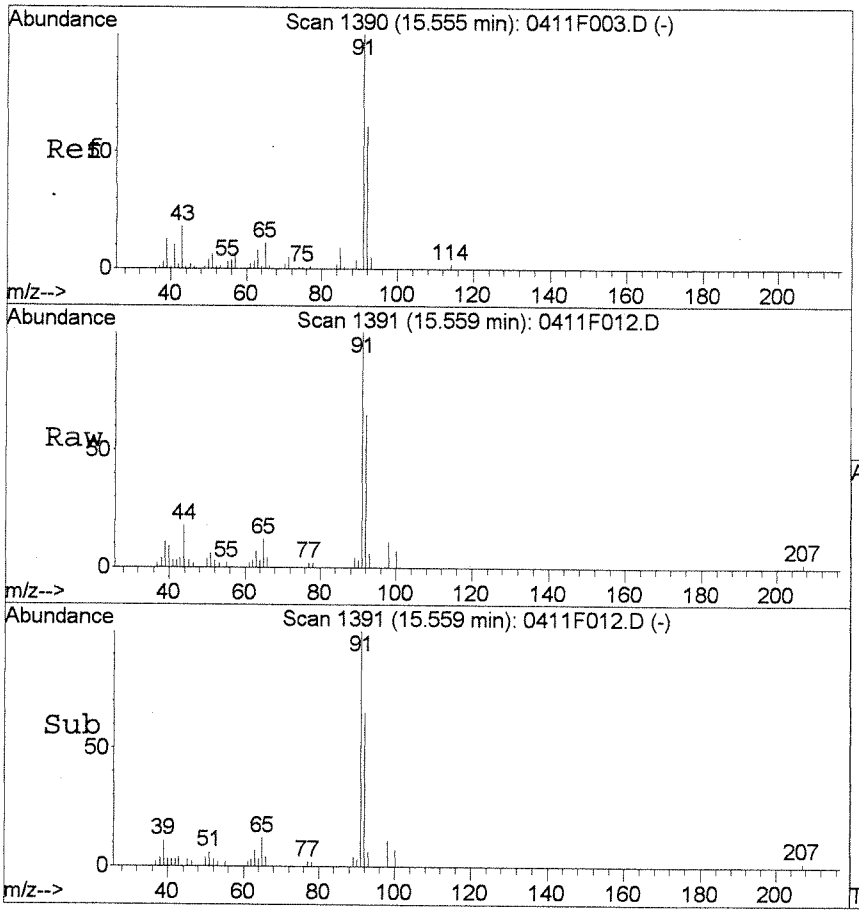


#39
Tetrahydrofuran
Concen: 2.40 PPB
RT: 11.71 min Scan# 935
Delta R.T. 0.00 min
Lab File: 0411F012.D
Acq: 11 Apr 2008 2:53 pm

Tgt Ion: 42 Resp: 11515

Ion	Ratio	Lower	Upper
42	100		
72	41.3	17.7	77.7
71	39.2	14.2	74.2
41	47.3	24.1	84.1

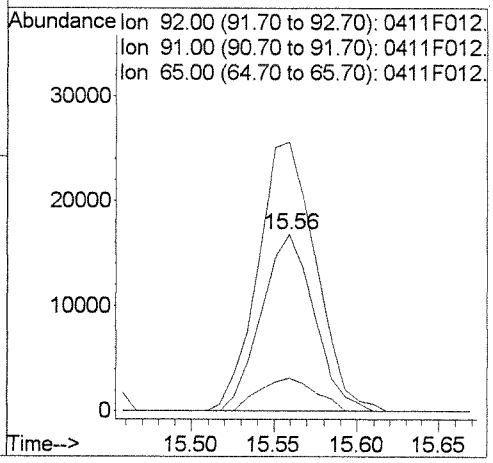


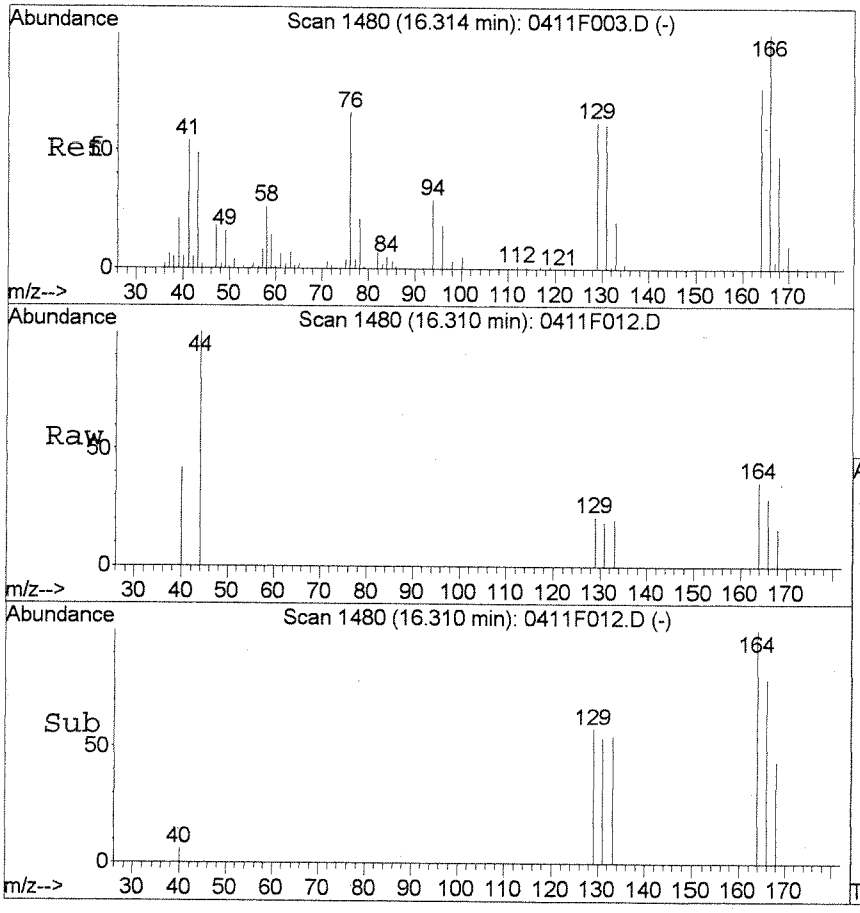


#62
Toluene
Concen: 0.30 PPB
RT: 15.56 min Scan# 1391
Delta R.T. 0.00 min
Lab File: 0411F012.D
Acq: 11 Apr 2008 2:53 pm

Tgt Ion: 92 Resp: 37351

Ion	Ratio	Lower	Upper
92	100		
91	152.7	132.7	192.7
65	18.8	0.0	47.9

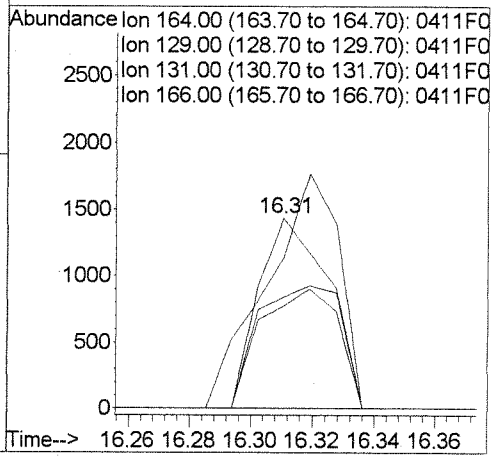


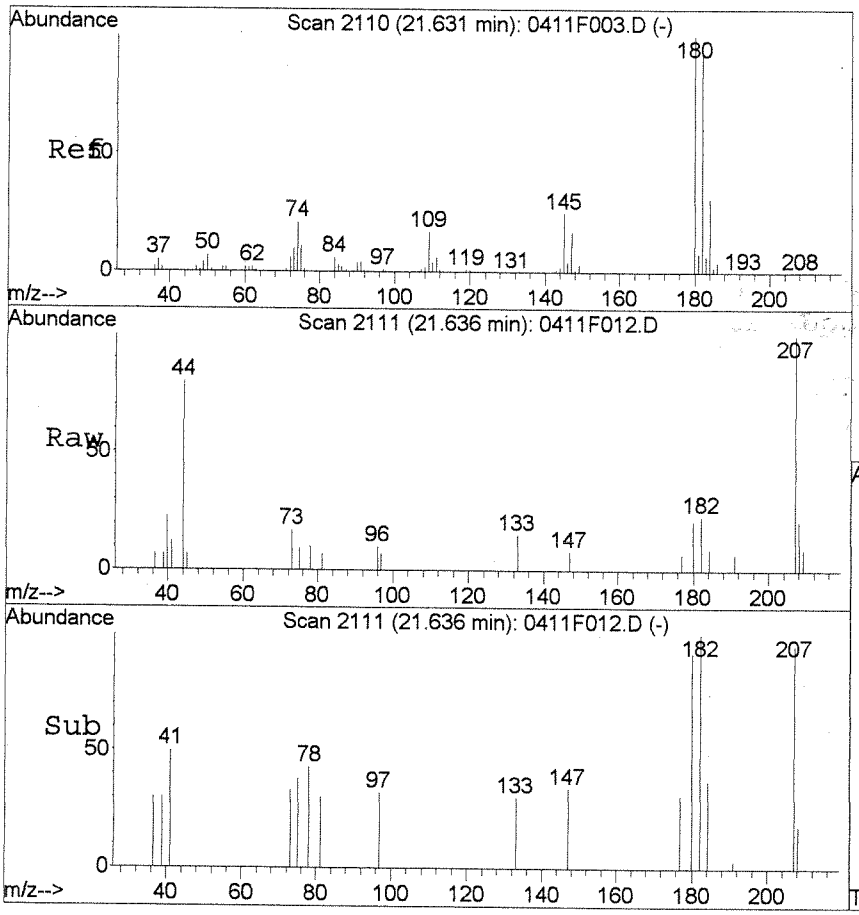


#68
Tetrachloroethene
Concen: 0.04 PPB
RT: 16.31 min Scan# 1480
Delta R.T. -0.00 min
Lab File: 0411F012.D
Acq: 11 Apr 2008 2:53 pm

Tgt Ion:164 Resp: 2242

Ion	Ratio	Lower	Upper
164	100		
129	58.4	50.4	110.4
131	53.8	49.0	109.0
166	79.3	100.1	160.1#

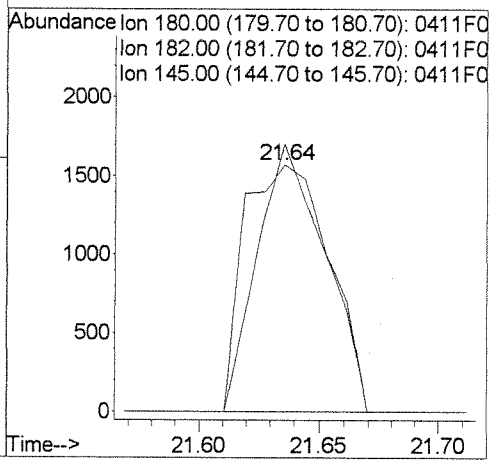




#102
1,3,5-Trichlorobenzene
Concen: 0.05 PPB
RT: 21.64 min Scan# 2111
Delta R.T. 0.00 min
Lab File: 0411F012.D
Acq: 11 Apr 2008 2:53 pm

Tgt Ion:180 Resp: 3818

Ion	Ratio	Lower	Upper
180	100		
182	108.4	64.6	124.6
145	0.0	0.0	55.5



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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: KEP-GW-020B-003
Lab Code: K0802796-002

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
Dichlorodifluoromethane	ND	U	0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
Chloromethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Vinyl Chloride	ND	U	0.50	0.042	1	04/11/08	04/11/08	KWG0803341	
Bromomethane	ND	U	0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
Chloroethane	ND	U	0.50	0.23	1	04/11/08	04/11/08	KWG0803341	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Acetone	ND	U	20	4.1	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethene	**19**		0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
Carbon Disulfide	ND	U	0.50	0.16	1	04/11/08	04/11/08	KWG0803341	
Methylene Chloride	ND	U	2.0	0.20	1	04/11/08	04/11/08	KWG0803341	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethane	**0.21**	J	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
2-Butanone (MEK)	ND	U	20	2.3	1	04/11/08	04/11/08	KWG0803341	*
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/11/08	04/11/08	KWG0803341	
cis-1,2-Dichloroethene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Chloroform	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromochloromethane	ND	U	0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	*
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloroethane (EDC)	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Benzene	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Trichloroethene (TCE)	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromodichloromethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Dibromomethane	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
2-Hexanone	ND	U	20	4.0	1	04/11/08	04/11/08	KWG0803341	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Toluene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/11/08	04/11/08	KWG0803341	
1,1,2-Trichloroethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	

Comments:

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: KEP-GW-020B-003
Lab Code: K0802796-002

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	04/11/08	04/11/08	KWG0803341	
Dibromochloromethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/11/08	04/11/08	KWG0803341	
Chlorobenzene	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Ethylbenzene	ND	U	0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
m,p-Xylenes	ND	U	0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
o-Xylene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Styrene	ND	U	0.50	0.095	1	04/11/08	04/11/08	KWG0803341	
Bromoform	ND	U	0.50	0.28	1	04/11/08	04/11/08	KWG0803341	
Isopropylbenzene	ND	U	2.0	0.11	1	04/11/08	04/11/08	KWG0803341	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/11/08	04/11/08	KWG0803341	
Bromobenzene	ND	U	2.0	0.18	1	04/11/08	04/11/08	KWG0803341	
n-Propylbenzene	ND	U	2.0	0.098	1	04/11/08	04/11/08	KWG0803341	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/11/08	04/11/08	KWG0803341	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
n-Butylbenzene	ND	U	2.0	0.23	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/11/08	04/11/08	KWG0803341	
Naphthalene	ND	U	2.0	0.29	1	04/11/08	04/11/08	KWG0803341	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/11/08	04/11/08	KWG0803341	

* See Case Narrative

Comments:

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: KEP-GW-020B-003
Lab Code: K0802796-002

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	75-120	04/11/08	Acceptable
Toluene-d8	121	80-128	04/11/08	Acceptable
4-Bromofluorobenzene	106	75-117	04/11/08	Acceptable

Comments:

Exception Report

Data File: J:\MS04\DATA\041108\0411F013.D
Lab ID: K0802796-002
RunType: SMPL
Matrix: WATER

Date Acquired: 04/11/2008 15:25
Date Quantitated: 04/11/2008 16:00
Batch ID: KWG0803340
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	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	2-Butanone (MEK)	0.0099	0.01	NA	MRL Check
Lab Control Spike	1,1,1-Trichloroethane (TCA)	127	65	126	Advisory

Primary Review: HC 4.11.08

Secondary Review: FAH 4/14/8

Quantitation Report

Bottle ID:		**Tier:**	III	**Matrix:**	WATER
Prod Code:	8260B VOC_FP	**Collect Date:**	03/28/2008	**Receive Date:**	04/01/2008

Analysis Lot:	KWG0803340	**Prep Lot:**	KWG0803341	**Report Group:**	K0802796
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	700851	**Prep Date:**	04/11/2008		

Quant Method:	J:\MS04\METHODS\101007MS04-8	**Calibration ID:**	CAL6696
Title:	Volatile Organic Compounds	**Report List ID:**	LJ8580
Tune Ref:	J:\MS04\DATA\041108\0411F002.D	**Method ID:**	MJ119
MB Ref:	J:\MS04\DATA\041108\0411F009.D	**Quant based on Report List**	

Data File:	J:\MS04\DATA\041108\0411F013.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 15:25	**Quant Date:**	04/11/2008 16:00	**Vial:**	13
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802796-002			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	13.11	-0.01	96	1926216	10.00	OK
2	Chlorobenzene-d5	17.39	0.00	117	1471848	10.00	OK
3	1,4-Dichlorobenzene-d4	20.03	0.00	152	755091	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	12.00	0.01	0.00	113	560160	11.08	111	75-120	OK	
1	Toluene-d8	15.46	0.01	0.00	98	1768743	12.09	121	80-128	OK	
2	4-Bromofluorobenzene	18.74	0.00	0.00	95	620873	10.62	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				85	0		0.17	U	
1	Chloromethane				50	0**d**		0.14	U	
1	Vinyl Chloride				62	0		0.042	U	
1	Bromomethane				94	0		0.22	U	
1	Chloroethane				64	0		0.23	U	
1	Trichlorofluoromethane				101	0		0.14	U	
1	1,1-Dichloroethene	8.06		0.00	96	879806	18.65	19		
1	Acetone	8.12	0.01	0.00	43	15284	3.06	4.1	U	
1	Carbon Disulfide	8.55	0.01	0.00	76	2276	0.0100	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	10.16	0.01	0.00	63	20766	0.2100	0.21	J	
1	2,2-Dichloropropane				77	0		0.18	U	
1	cis-1,2-Dichloroethene				96	0**d**		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:\MS04\DATA\041108\0411F013.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 15:25	**Quant Date:**	04/11/2008 16:00	**Vial:**	13
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802796-002			**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	11.71		0.00	83	6142	0.0700	0.14	U	
1	1,1,1-Trichloroethane (TCA)	12.09		0.00	97	2922	0.0400	0.12	U	
1	Carbon Tetrachloride				117	0		0.14	U	
1	1,1-Dichloropropene				75	0		0.15	U	
1	Benzene	12.71		0.00	78	7876	0.0400	0.14	U	
1	1,2-Dichloroethane (EDC)				62	0**d**		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)				100	0**d**		2.7	U	
1	Toluene	15.55		0.00	92	4311	0.0300	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**d**		0.13	U	
2	1,1,1,2-Tetrachloroethane				131	0**d**		0.12	U	
2	m,p-Xylenes				106	0**d**		0.22	U	
2	o-Xylene				106	0		0.11	U	
2	Styrene				104	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**d**		0.098	U	
3	1,2,3-Trichloropropane				110	0		0.24	U	
3	2-Chlorotoluene				91	0**d**		0.12	U	
3	1,3,5-Trimethylbenzene				105	0		0.13	U	
3	4-Chlorotoluene				91	0		0.12	U	
3	tert-Butylbenzene				134	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:\MS04\DATA\041108\0411F013.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 15:25	**Quant Date:**	04/11/2008 16:00	**Vial:**	13
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802796-002			**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**d**		0.23	U	
3	1,2-Dichlorobenzene				146	0		0.12	U	
3	1,2-Dibromo-3-chloropropane				157	0		1.0	U	
3	1,3,5-Trichlorobenzene	21.63		0.00	180	2970	0.0400	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	23.20	0.02	0.00	180	2081	0.0600	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

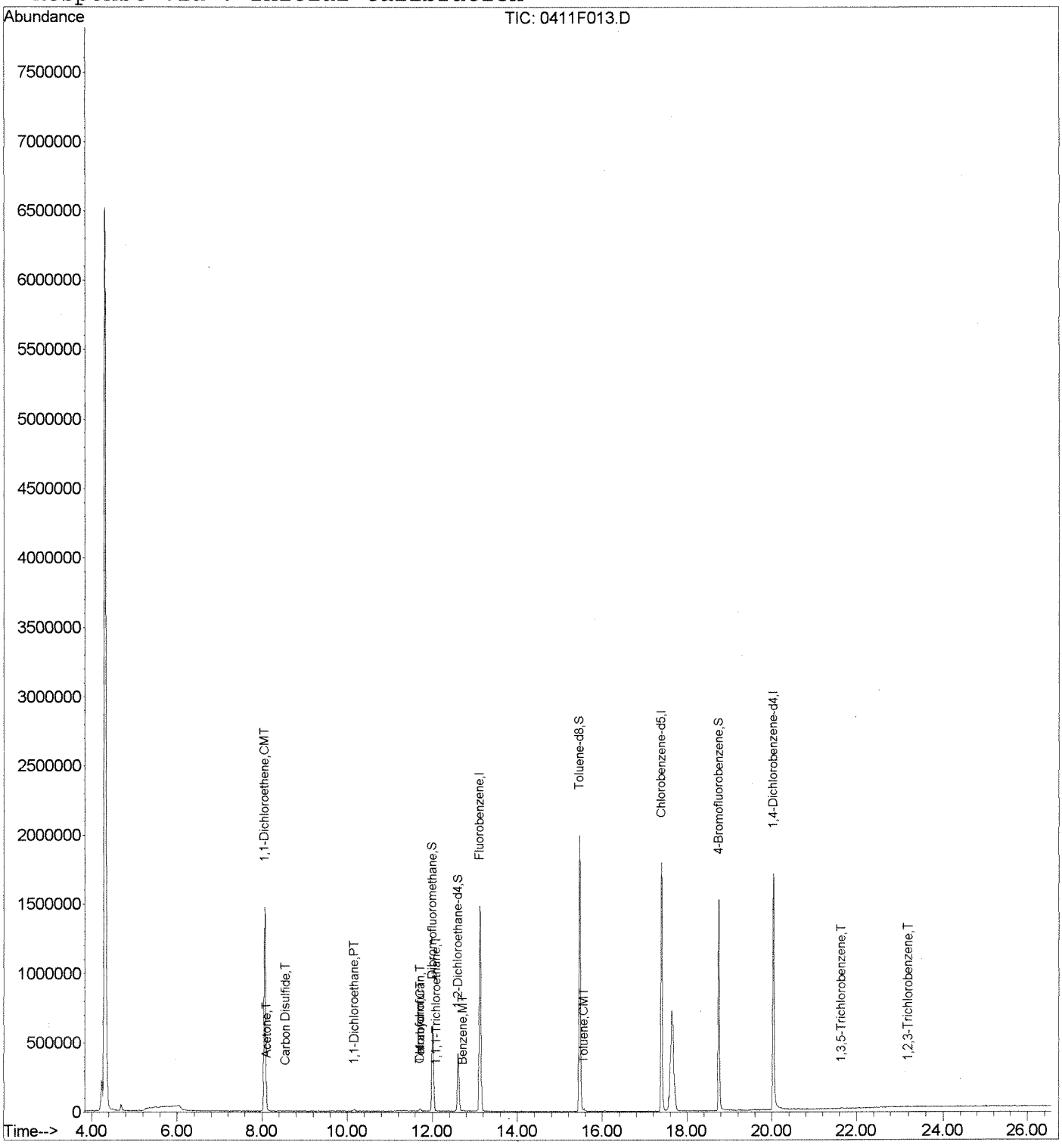
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

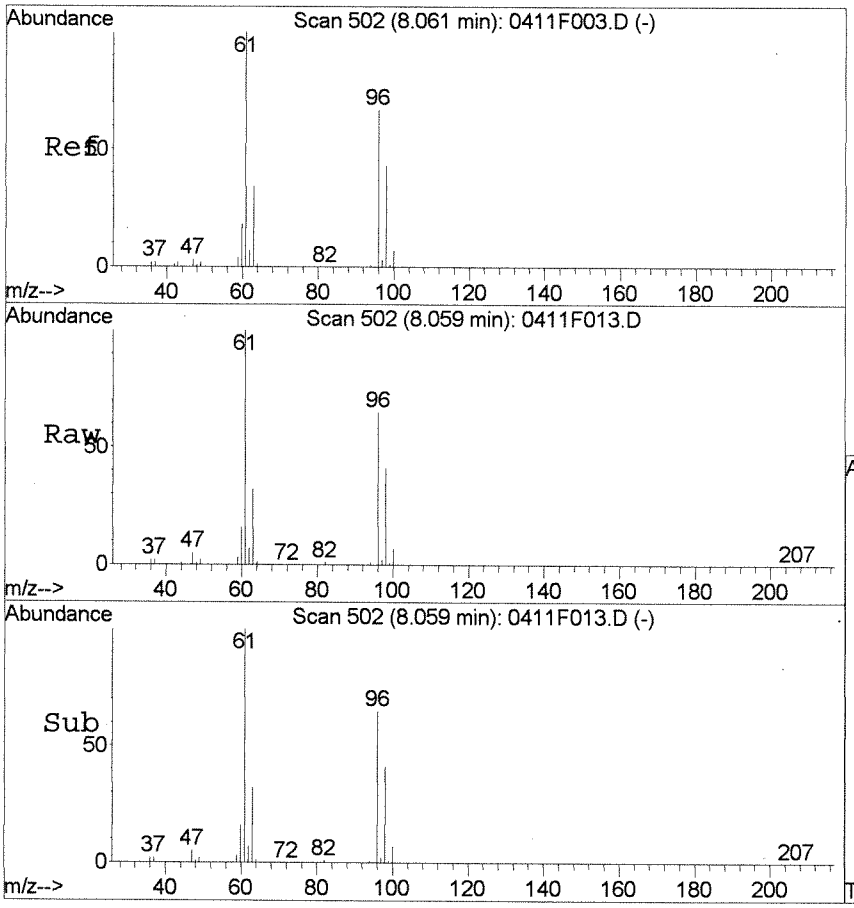
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS04\DATA\041108\0411F013.D Vial: 13
Acq On : 11 Apr 2008 3:25 pm Operator: HC
Sample : K0802796-002 Inst : MS04
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 11 16:00 2008 Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Initial Calibration

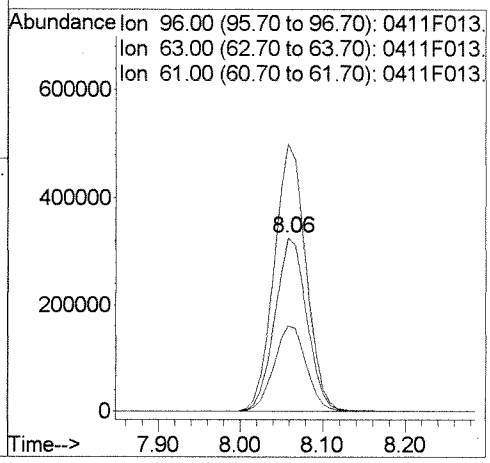


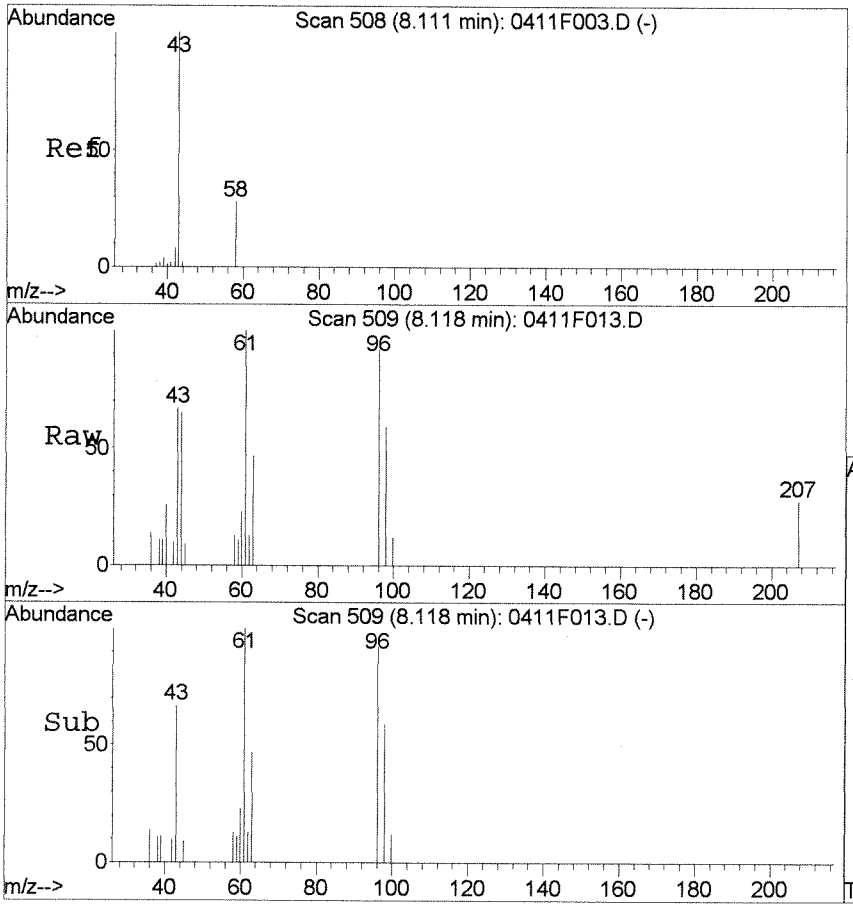


#11
1,1-Dichloroethene
Concen: 18.65 PPB
RT: 8.06 min Scan# 502
Delta R.T. -0.00 min
Lab File: 0411F013.D
Acq: 11 Apr 2008 3:25 pm

Tgt Ion: 96 Resp: 879806

Ion	Ratio	Lower	Upper
96	100		
63	49.3	20.2	80.2
61	153.4	118.6	178.6

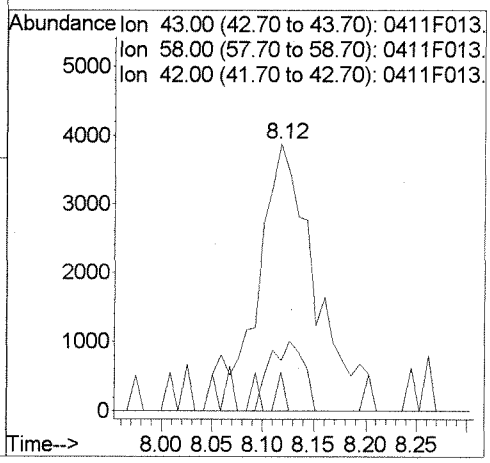


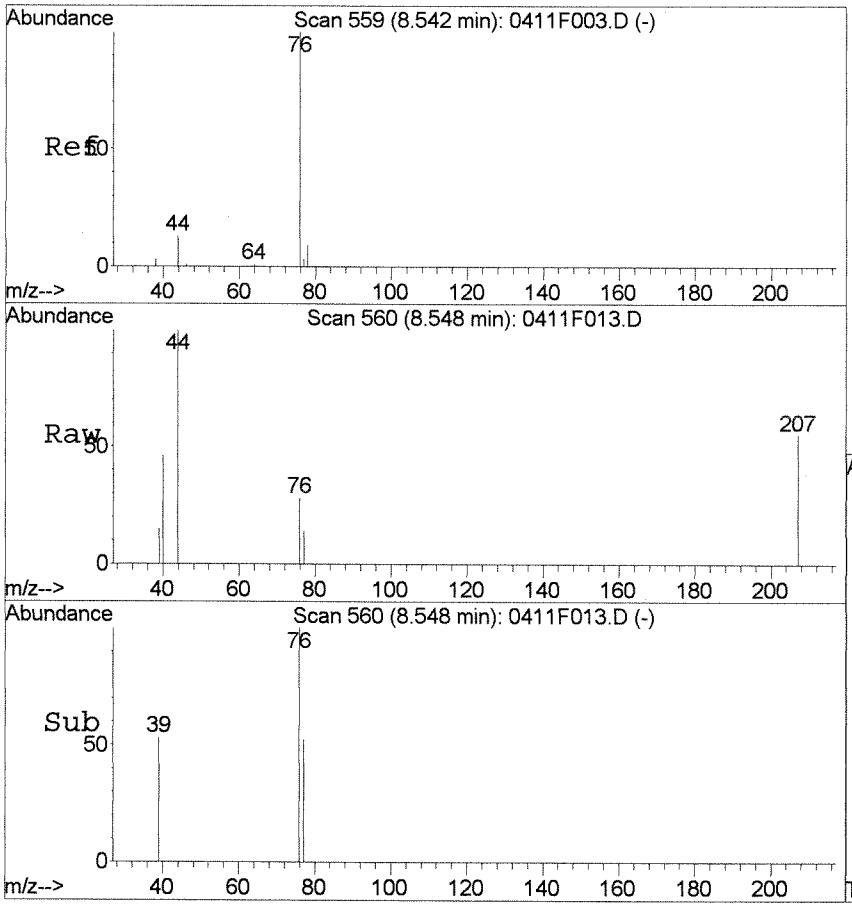


#12
Acetone
Concen: 3.06 PPB
RT: 8.12 min Scan# 509
Delta R.T. 0.01 min
Lab File: 0411F013.D
Acq: 11 Apr 2008 3:25 pm

Tgt Ion: 43 Resp: 15284

Ion	Ratio	Lower	Upper
43	100		
58	18.7	0.0	57.6
42	14.5	0.0	37.7

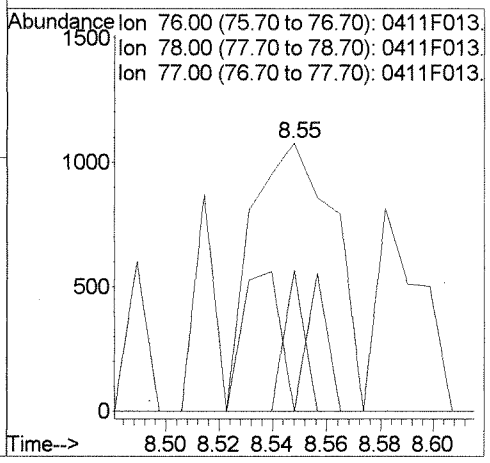


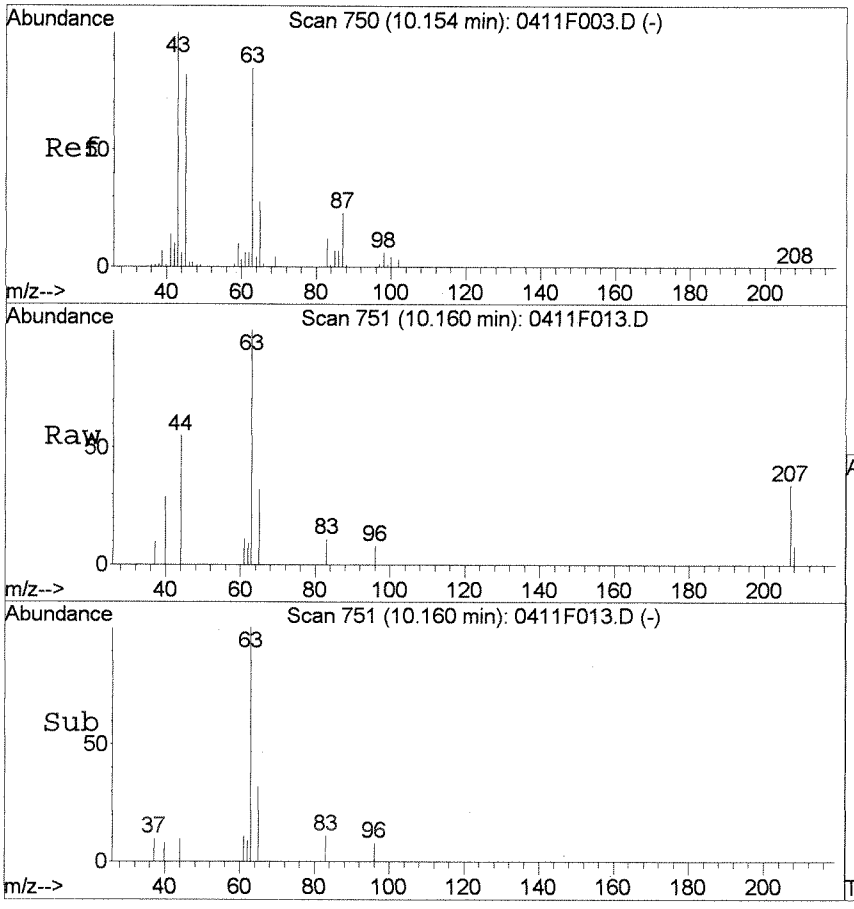


#14
Carbon Disulfide
Concen: 0.01 PPB
RT: 8.55 min Scan# 560
Delta R.T. 0.01 min
Lab File: 0411F013.D
Acq: 11 Apr 2008 3:25 pm

Tgt Ion: 76 Resp: 2276

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	38.6
77	52.4	0.0	32.9#

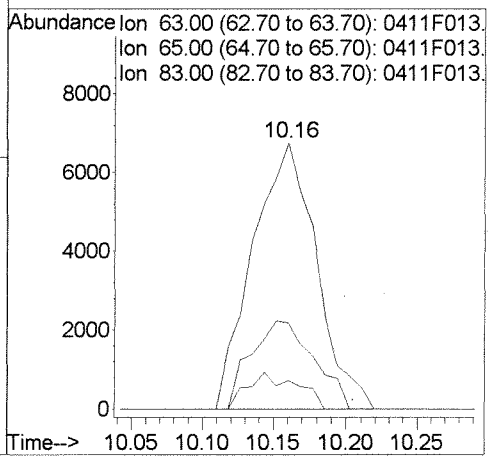


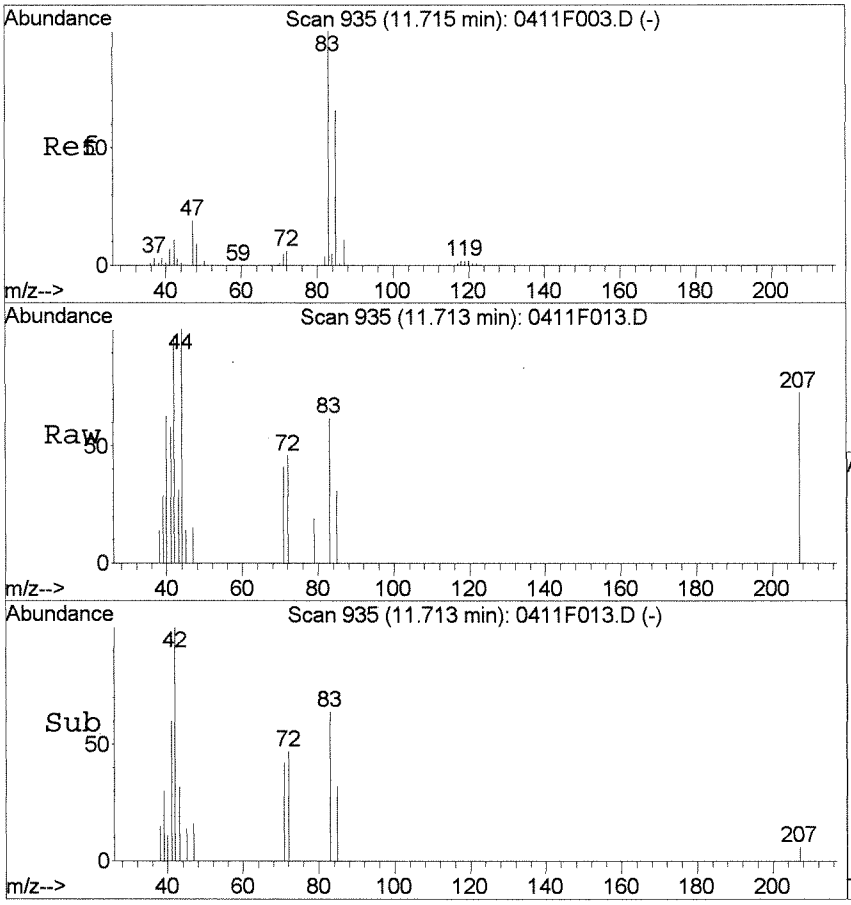


#24
1,1-Dichloroethane
Concen: 0.21 PPB
RT: 10.16 min Scan# 751
Delta R.T. 0.01 min
Lab File: 0411F013.D
Acq: 11 Apr 2008 3:25 pm

Tgt Ion: 63 Resp: 20766

Ion	Ratio	Lower	Upper
63	100		
65	32.2	2.6	62.6
83	10.7	0.0	44.4

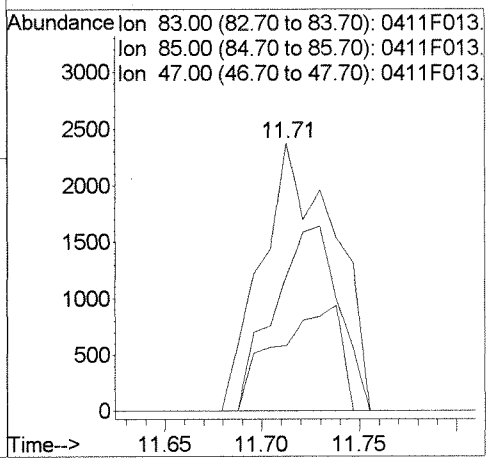


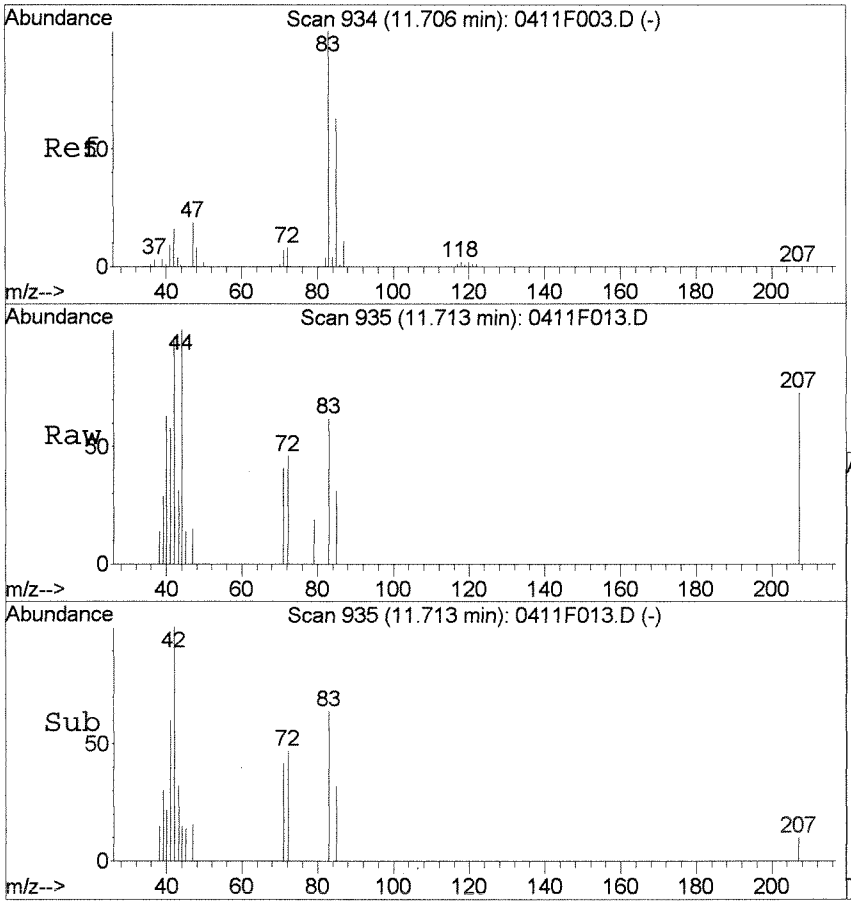


#37
Chloroform
Concen: 0.07 PPB
RT: 11.71 min Scan# 935
Delta R.T. -0.00 min
Lab File: 0411F013.D
Acq: 11 Apr 2008 3:25 pm

Tgt Ion: 83 Resp: 6142

Ion	Ratio	Lower	Upper
83	100		
85	50.7	36.1	96.1
47	24.6	0.0	53.4

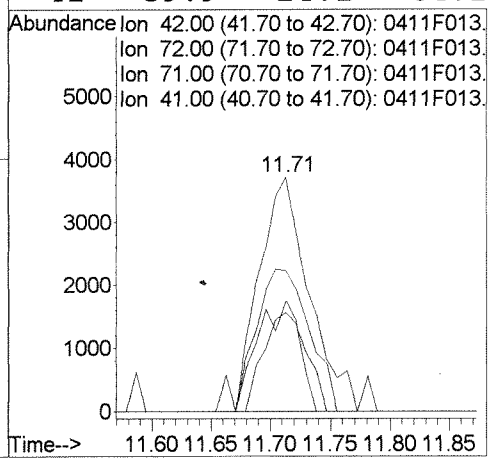


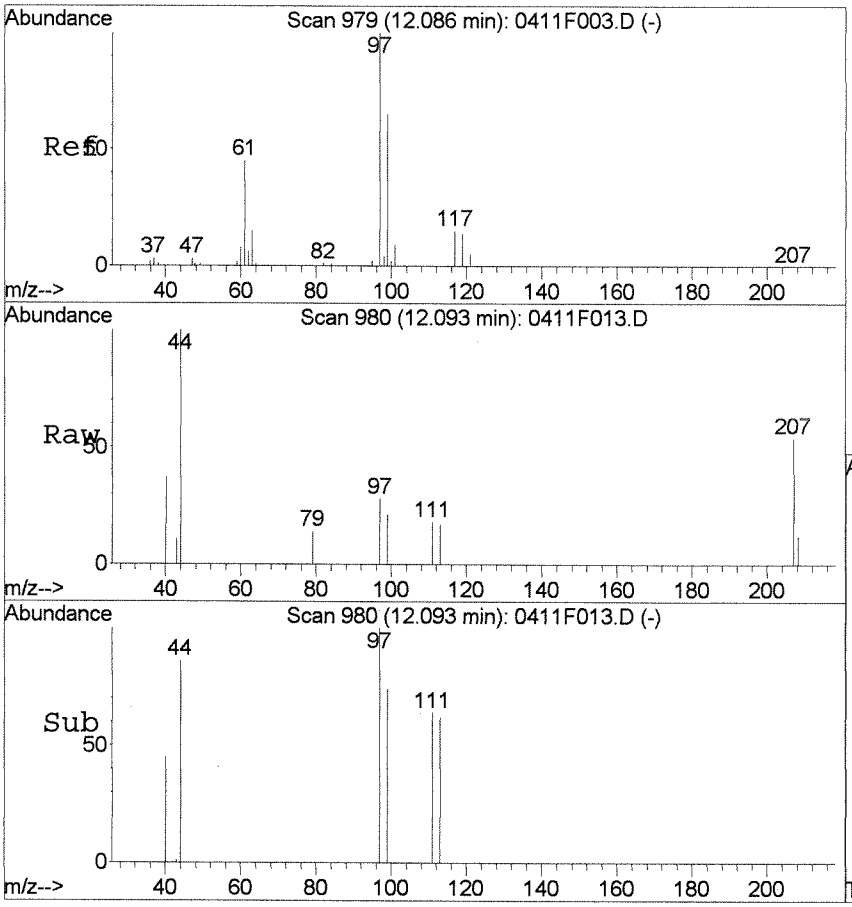


#39
Tetrahydrofuran
Concen: 2.36 PPB
RT: 11.71 min Scan# 935
Delta R.T. 0.01 min
Lab File: 0411F013.D
Acq: 11 Apr 2008 3:25 pm

Tgt Ion: 42 Resp: 11303

Ion	Ratio	Lower	Upper
42	100		
72	47.1	17.7	77.7
71	42.0	14.2	74.2
41	59.9	24.1	84.1

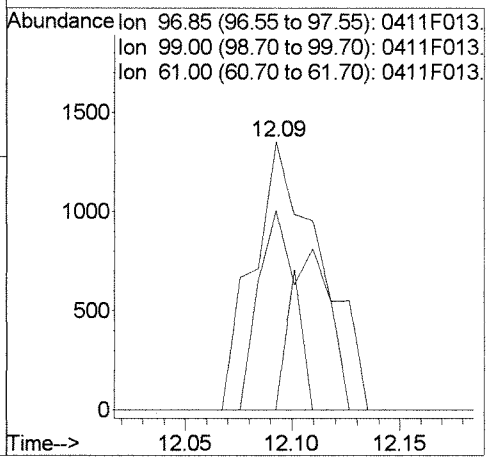


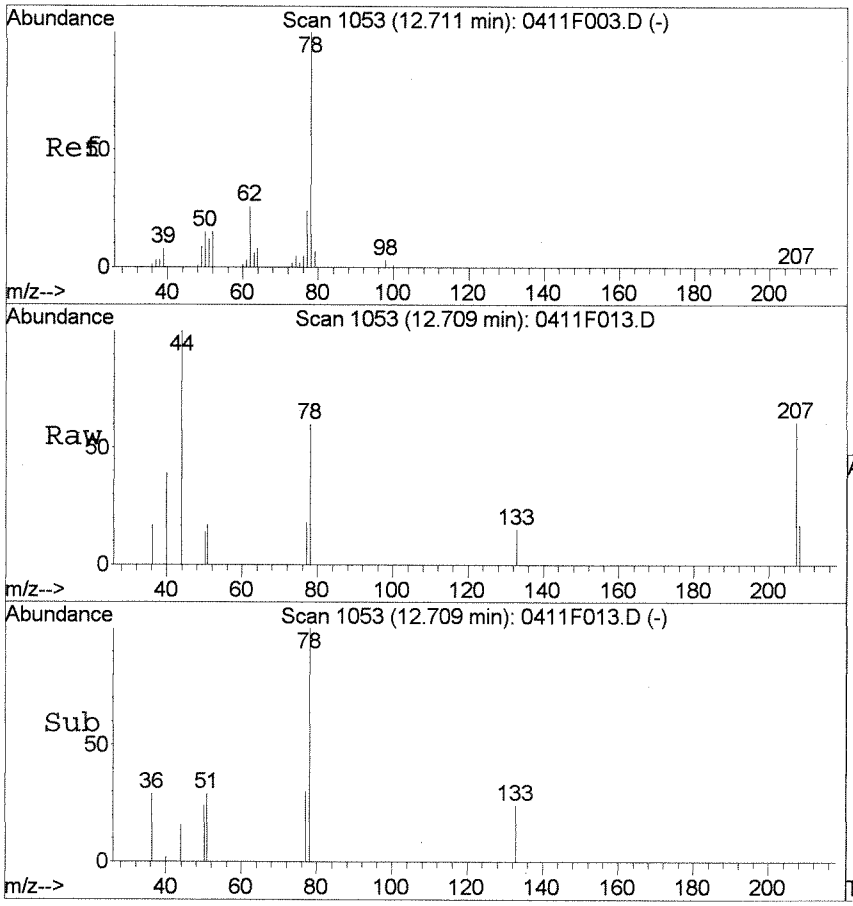


#40
1,1,1-Trichloroethane
Concen: 0.04 PPB
RT: 12.09 min Scan# 980
Delta R.T. 0.01 min
Lab File: 0411F013.D
Acq: 11 Apr 2008 3:25 pm

Tgt Ion: 97 Resp: 2922

Ion	Ratio	Lower	Upper
97	100		
99	74.4	35.4	95.4
61	0.0	15.5	75.5#

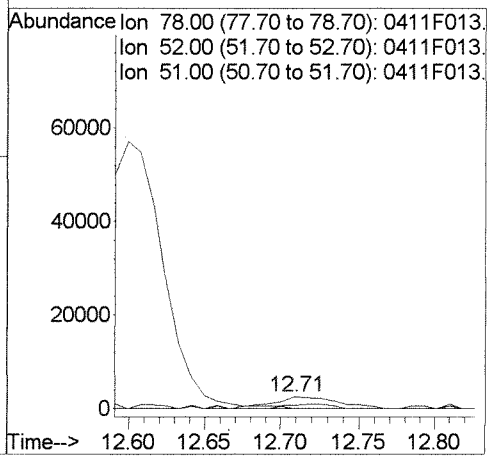


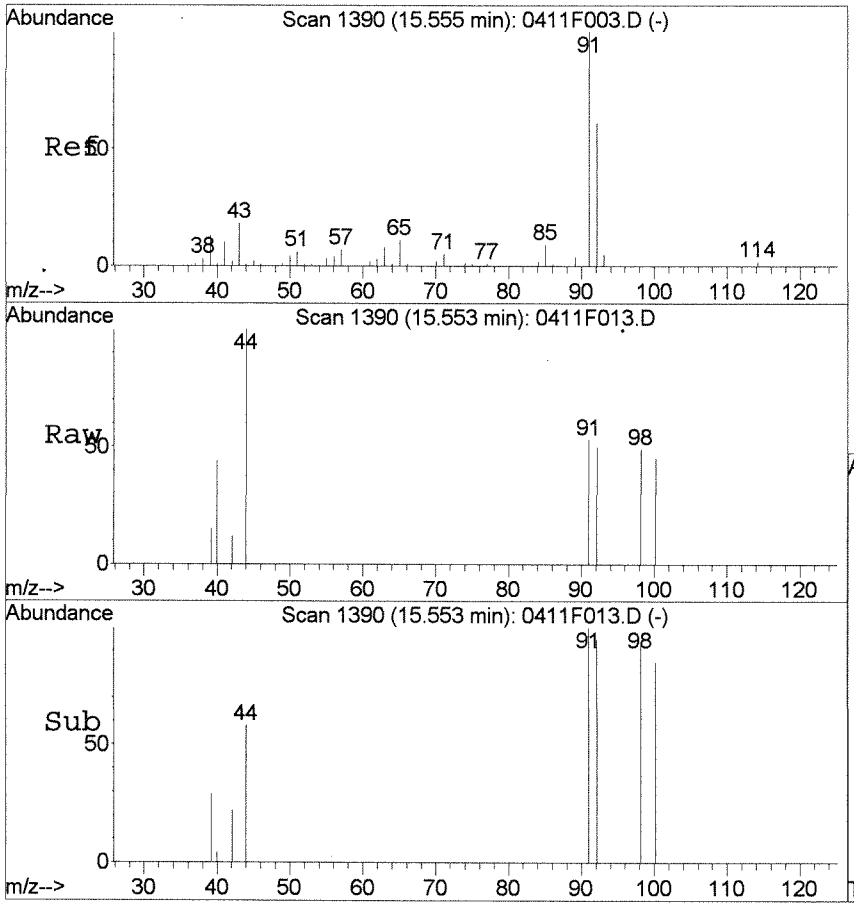


#48
Benzene
Concen: 0.04 PPB
RT: 12.71 min Scan# 1053
Delta R.T. -0.00 min
Lab File: 0411F013.D
Acq: 11 Apr 2008 3:25 pm

Tgt Ion: 78 Resp: 7876

Ion	Ratio	Lower	Upper
78	100		
52	0.0	0.0	45.1
51	29.1	0.0	48.4

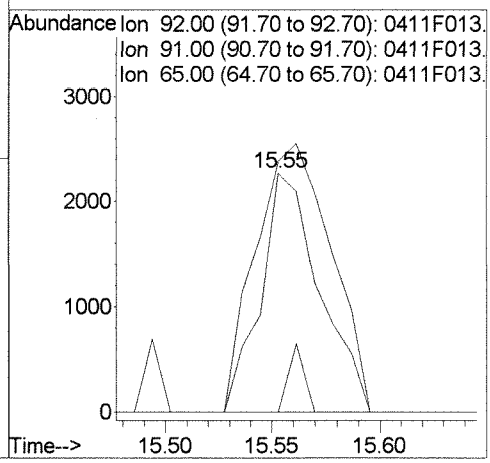


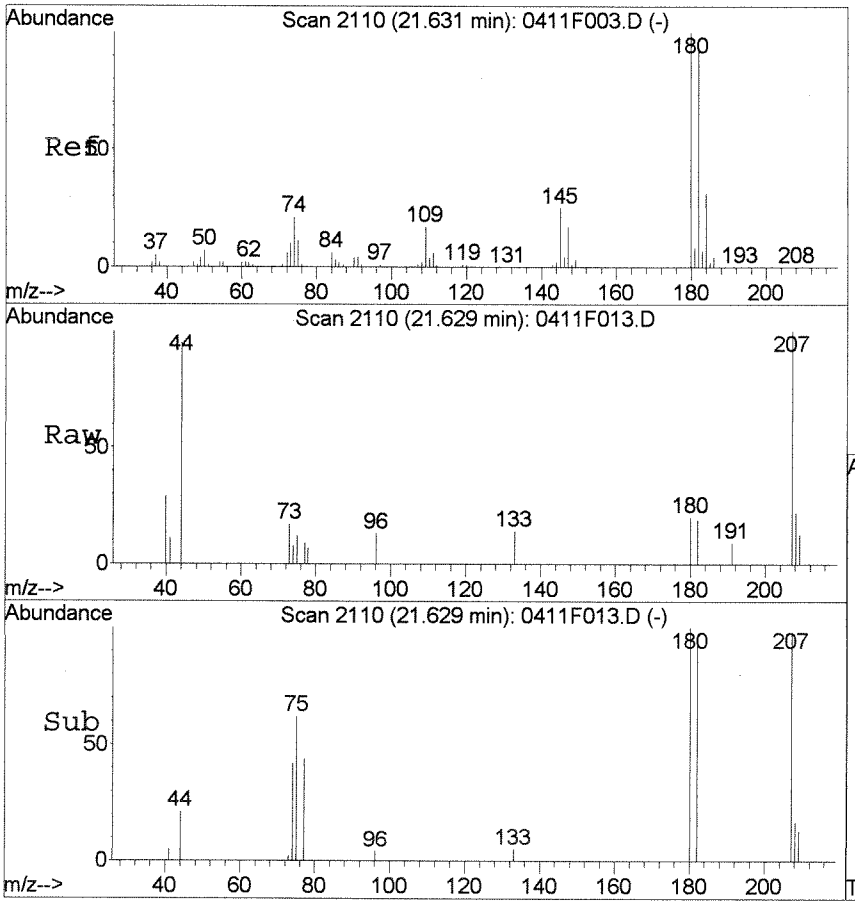


#62
Toluene
Concen: 0.03 PPB
RT: 15.55 min Scan# 1390
Delta R.T. -0.00 min
Lab File: 0411F013.D
Acq: 11 Apr 2008 3:25 pm

Tgt Ion: 92 Resp: 4311

Ion	Ratio	Lower	Upper
92	100		
91	104.8	132.7	192.7#
65	0.0	0.0	47.9

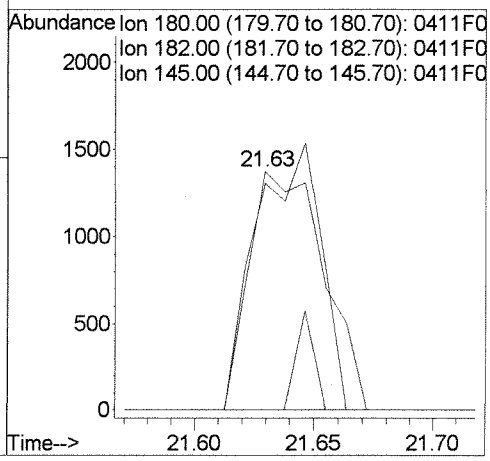


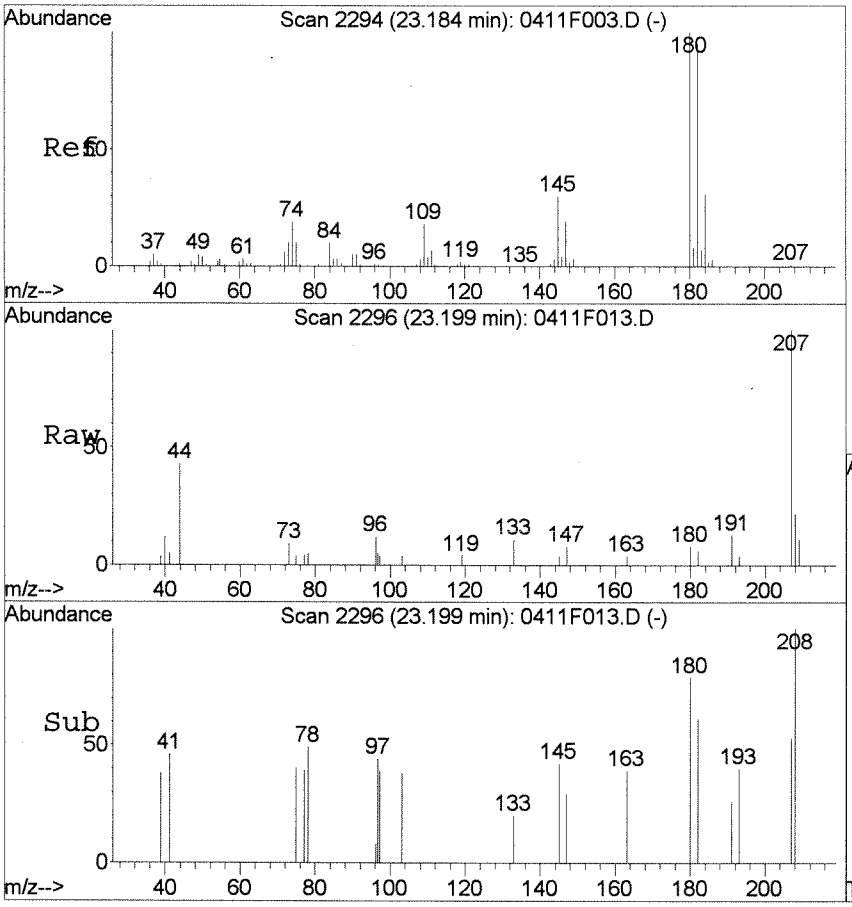


#102
1,3,5-Trichlorobenzene
Concen: 0.04 PPB
RT: 21.63 min Scan# 2110
Delta R.T. -0.00 min
Lab File: 0411F013.D
Acq: 11 Apr 2008 3:25 pm

Tgt Ion:180 Resp: 2970

Ion	Ratio	Lower	Upper
180	100		
182	95.1	64.6	124.6
145	0.0	0.0	55.5

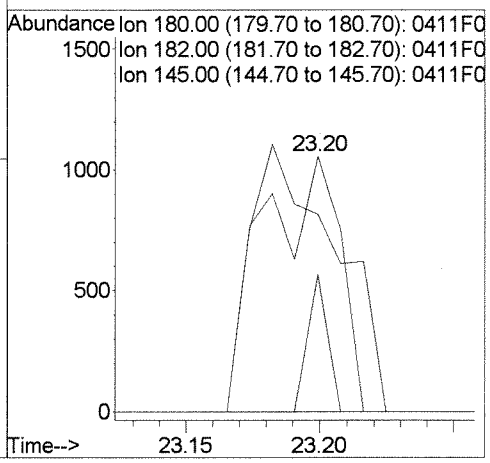




#106
1,2,3-Trichlorobenzene
Concen: 0.06 PPB
RT: 23.20 min Scan# 2296
Delta R.T. 0.01 min
Lab File: 0411F013.D
Acq: 11 Apr 2008 3:25 pm

Tgt Ion:180 Resp: 2081

Ion	Ratio	Lower	Upper
180	100		
182	77.1	64.6	124.6
145	53.5	0.4	60.4



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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: Duplcate 2
Lab Code: K0802796-003

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	ND	U	0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
Chloromethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Vinyl Chloride	ND	U	0.50	0.042	1	04/11/08	04/11/08	KWG0803341	
Bromomethane	ND	U	0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
Chloroethane	ND	U	0.50	0.23	1	04/11/08	04/11/08	KWG0803341	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Acetone	ND	U	20	4.1	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethene	**4.5**		0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
Carbon Disulfide	ND	U	0.50	0.16	1	04/11/08	04/11/08	KWG0803341	
Methylene Chloride	ND	U	2.0	0.20	1	04/11/08	04/11/08	KWG0803341	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
2-Butanone (MEK)	ND	U	20	2.3	1	04/11/08	04/11/08	KWG0803341	*
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/11/08	04/11/08	KWG0803341	
cis-1,2-Dichloroethene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Chloroform	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromochloromethane	ND	U	0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	*
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloroethane (EDC)	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Benzene	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Trichloroethene (TCE)	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromodichloromethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Dibromomethane	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
2-Hexanone	ND	U	20	4.0	1	04/11/08	04/11/08	KWG0803341	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Toluene	**0.39**	J	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/11/08	04/11/08	KWG0803341	
1,1,2-Trichloroethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	

Comments:

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: Duplcate 2
Lab Code: K0802796-003

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	04/11/08	04/11/08	KWG0803341	
Dibromochloromethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/11/08	04/11/08	KWG0803341	
Chlorobenzene	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Ethylbenzene	ND	U	0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
m,p-Xylenes	ND	U	0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
o-Xylene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Styrene	ND	U	0.50	0.095	1	04/11/08	04/11/08	KWG0803341	
Bromoform	ND	U	0.50	0.28	1	04/11/08	04/11/08	KWG0803341	
Isopropylbenzene	ND	U	2.0	0.11	1	04/11/08	04/11/08	KWG0803341	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/11/08	04/11/08	KWG0803341	
Bromobenzene	ND	U	2.0	0.18	1	04/11/08	04/11/08	KWG0803341	
n-Propylbenzene	ND	U	2.0	0.098	1	04/11/08	04/11/08	KWG0803341	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/11/08	04/11/08	KWG0803341	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
n-Butylbenzene	ND	U	2.0	0.23	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/11/08	04/11/08	KWG0803341	
Naphthalene	ND	U	2.0	0.29	1	04/11/08	04/11/08	KWG0803341	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/11/08	04/11/08	KWG0803341	

* See Case Narrative

Comments:

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: Duplcate 2
Lab Code: K0802796-003

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	112	75-120	04/11/08	Acceptable
Toluene-d8	122	80-128	04/11/08	Acceptable
4-Bromofluorobenzene	107	75-117	04/11/08	Acceptable

Comments:

Exception Report

Data File: J:\MS04\DATA\041108\0411F014.D
Lab ID: K0802796-003
RunType: SMPL
Matrix: WATER

Date Acquired: 04/11/2008 15:57
Date Quantitated: 04/11/2008 16:38
Batch ID: KWG0803340
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	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	2-Butanone (MEK)	0.0099	0.01	NA	MRL Check
Lab Control Spike	1,1,1-Trichloroethane (TCA)	127	65	126	Advisory

Primary Review: HL 4-11-08

Secondary Review: FA-h 4/14/8

Quantitation Report

Bottle ID:		**Tier:**	III	**Matrix:**	WATER
Prod Code:	8260B VOC_FP	**Collect Date:**	03/28/2008	**Receive Date:**	04/01/2008

Analysis Lot:	KWG0803340	**Prep Lot:**	KWG0803341	**Report Group:**	K0802796
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	700852	**Prep Date:**	04/11/2008		

Quant Method:	J:\MS04\METHODS\101007MS04-8	**Calibration ID:**	CAL6696
Title:	Volatile Organic Compounds	**Report List ID:**	LJ8580
Tune Ref:	J:\MS04\DATA\041108\0411F002.D	**Method ID:**	MJ119
MB Ref:	J:\MS04\DATA\041108\0411F009.D	**Quant based on Report List**	

Data File:	J:\MS04\DATA\041108\0411F014.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 15:57	**Quant Date:**	04/11/2008 16:38	**Vial:**	14
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802796-003			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	13.12	0.00	96	1943344	10.00	OK
2	Chlorobenzene-d5	17.39	0.00	117	1520775	10.00	OK
3	1,4-Dichlorobenzene-d4	20.03	0.00	152	777869	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	12.00	0.01	0.00	113	568757	11.15	112	75-120	OK	
1	Toluene-d8	15.46	0.01	0.00	98	1808401	12.23	122	80-128	OK	
2	4-Bromofluorobenzene	18.74	0.00	0.00	95	646164	10.70	107	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	0d		0.14	U	
1	Vinyl Chloride				62	0		0.042	U	
1	Bromomethane				94	0d		0.22	U	
1	Chloroethane				64	0		0.23	U	
1	Trichlorofluoromethane				101	0		0.14	U	
1	1,1-Dichloroethene	8.06		0.00	96	214572	4.51	4.5		
1	Acetone	8.13	0.02	0.00	43	14649	2.91	4.1	U	
1	Carbon Disulfide	8.55	0.01	0.00	76	2804	0.0100	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	10.17	0.02	0.00	63	3673	0.0400	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:\MS04\DATA\041108\0411F014.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 15:57	**Quant Date:**	04/11/2008 16:38	**Vial:**	14
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802796-003			**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	11.71		0.00	83	4941	0.0500	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	12.74	0.03	0.00	78	5652	0.0300	0.14	U	
1	1,2-Dichloroethane (EDC)				62	0**d**		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)				100	0**d**		2.7	U	
1	Toluene	15.55		0.00	92	49406	0.3900	0.39	J	
2	trans-1,3-Dichloropropene				75	0		0.090	U	
2	1,1,2-Trichloroethane				83	0		0.14	U	
2	Tetrachloroethene (PCE)	16.31		0.00	164	2254	0.0400	0.13	U	
2	2-Hexanone				57	0		4.0	U	
2	1,3-Dichloropropane				76	0		0.15	U	
2	Dibromochloromethane				129	0**d**		0.11	U	
2	1,2-Dibromoethane (EDB)				107	0		0.099	U	
2	Chlorobenzene				112	0		0.14	U	
2	Ethylbenzene				106	0**d**		0.13	U	
2	1,1,1,2-Tetrachloroethane				131	0**d**		0.12	U	
2	m,p-Xylenes				106	0**d**		0.22	U	
2	o-Xylene				106	0		0.11	U	
2	Styrene				104	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**d**		0.098	U	
3	1,2,3-Trichloropropane				110	0		0.24	U	
3	2-Chlorotoluene				91	0**d**		0.12	U	
3	1,3,5-Trimethylbenzene				105	0		0.13	U	
3	4-Chlorotoluene				91	0		0.12	U	
3	tert-Butylbenzene				134	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
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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:\MS04\DATA\041108\0411F014.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 15:57	**Quant Date:**	04/11/2008 16:38	**Vial:**	14
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802796-003			**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**d**		0.23	U	
3	1,2-Dichlorobenzene				146	0		0.12	U	
3	1,2-Dibromo-3-chloropropane				157	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

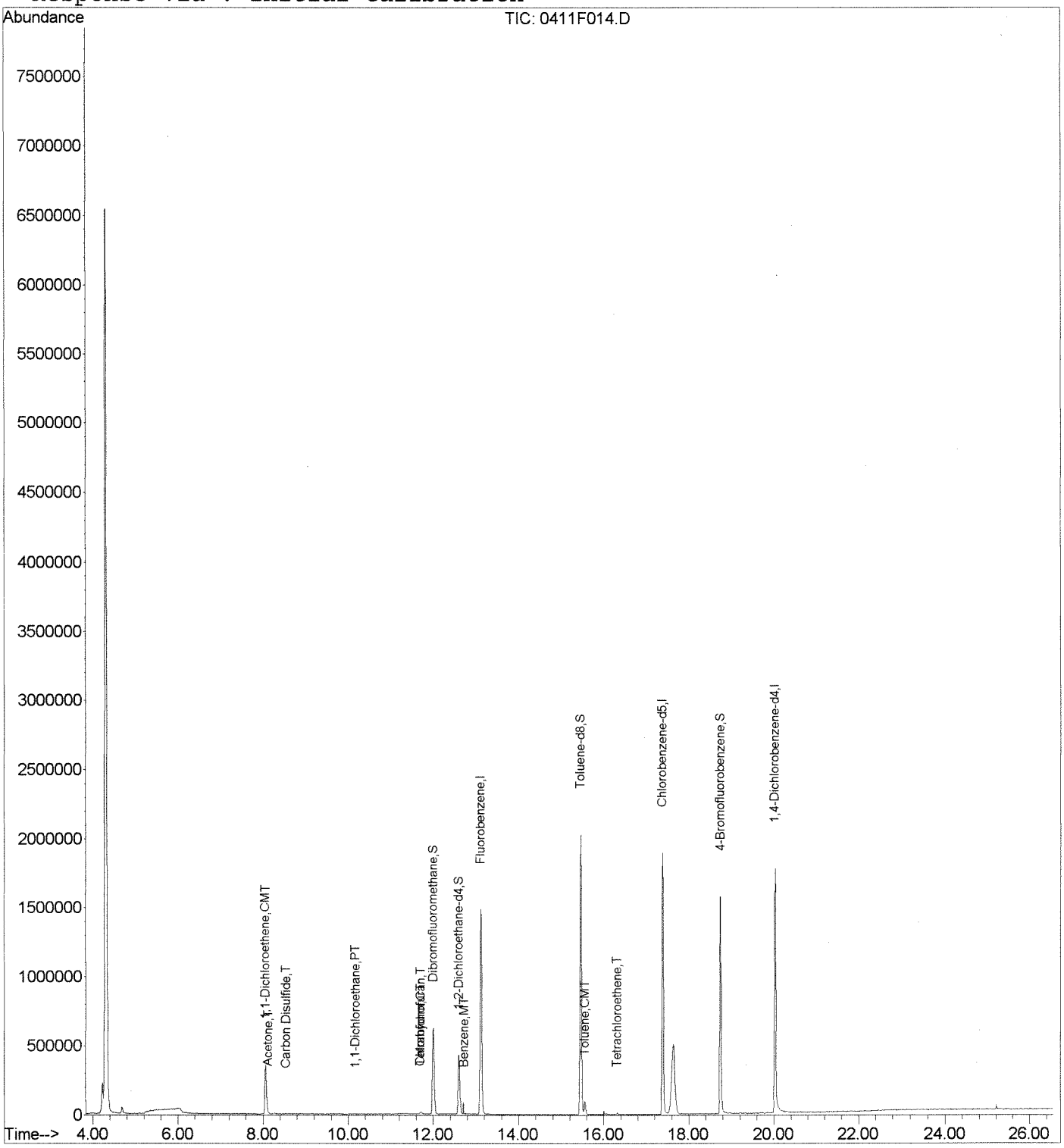
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

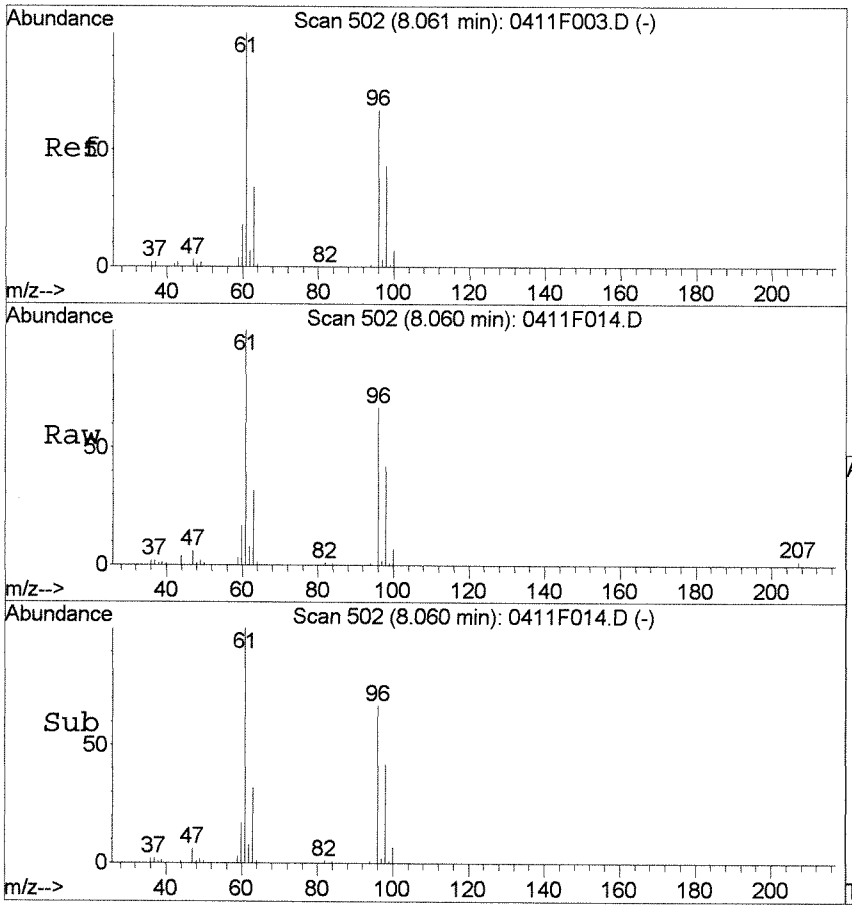
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS04\DATA\041108\0411F014.D Vial: 14
Acq On : 11 Apr 2008 3:57 pm Operator: HC
Sample : K0802796-003 Inst : MS04
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 11 16:38 2008 Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Initial Calibration

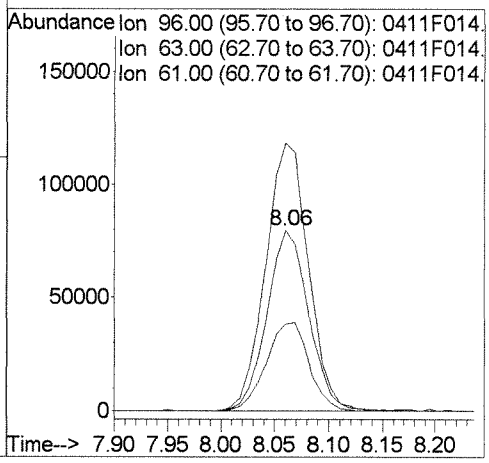


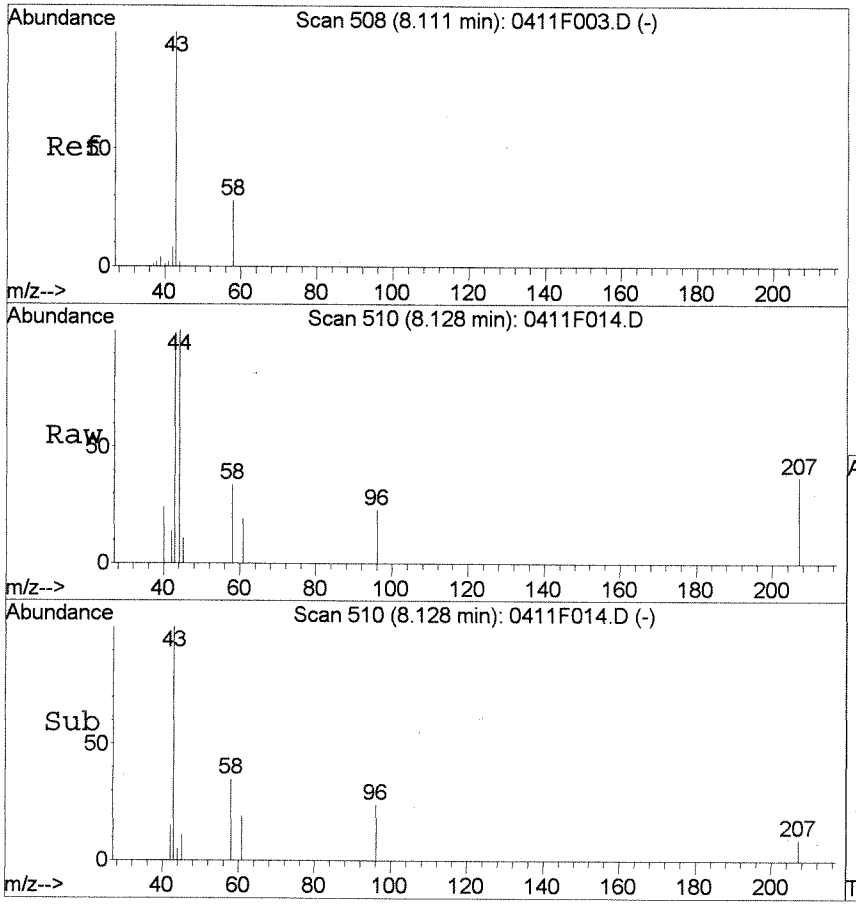


#11
1,1-Dichloroethene
Concen: 4.51 PPB
RT: 8.06 min Scan# 502
Delta R.T. -0.00 min
Lab File: 0411F014.D
Acq: 11 Apr 2008 3:57 pm

Tgt Ion: 96 Resp: 214572

Ion	Ratio	Lower	Upper
96	100		
63	48.0	20.2	80.2
61	148.9	118.6	178.6

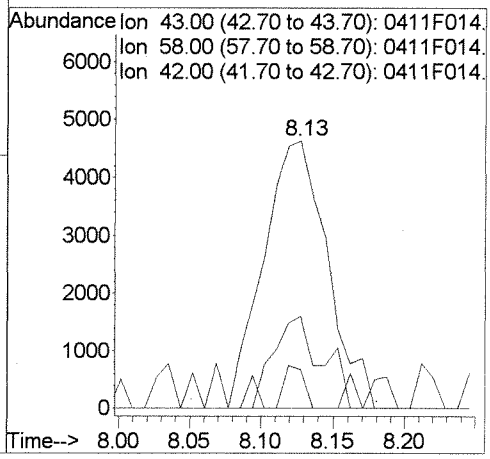


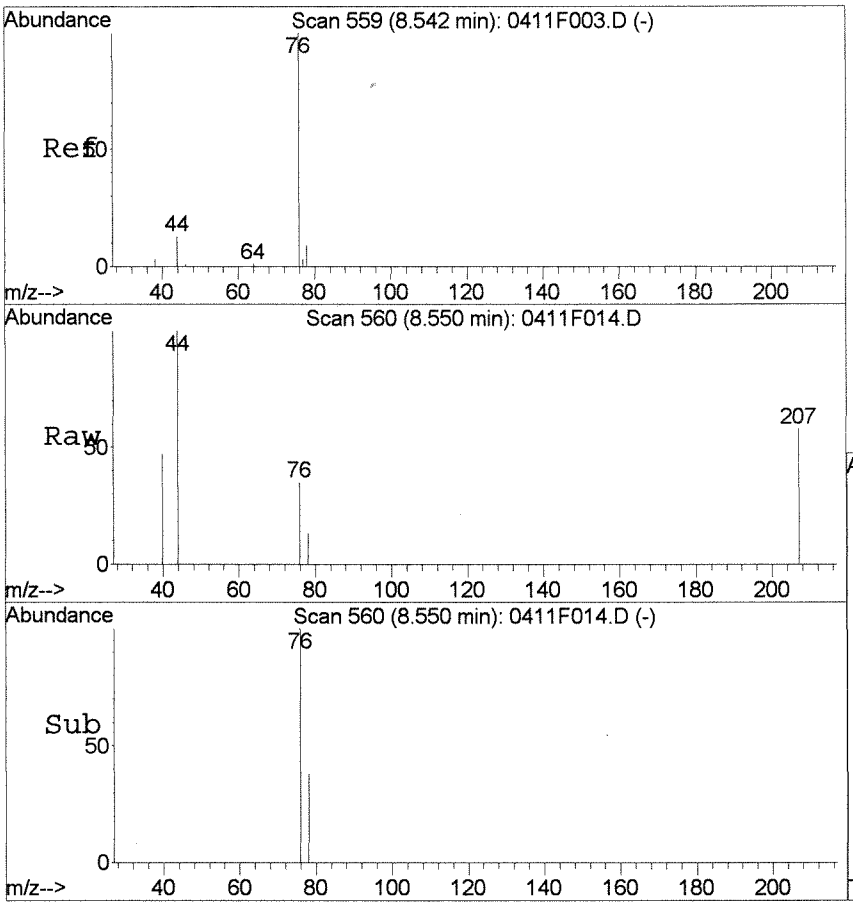


#12
Acetone
Concen: 2.91 PPB
RT: 8.13 min Scan# 510
Delta R.T. 0.02 min
Lab File: 0411F014.D
Acq: 11 Apr 2008 3:57 pm

Tgt Ion: 43 Resp: 14649

Ion	Ratio	Lower	Upper
43	100		
58	34.7	0.0	57.6
42	14.6	0.0	37.7

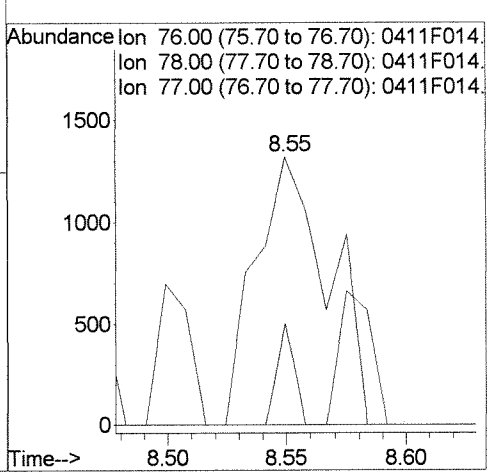


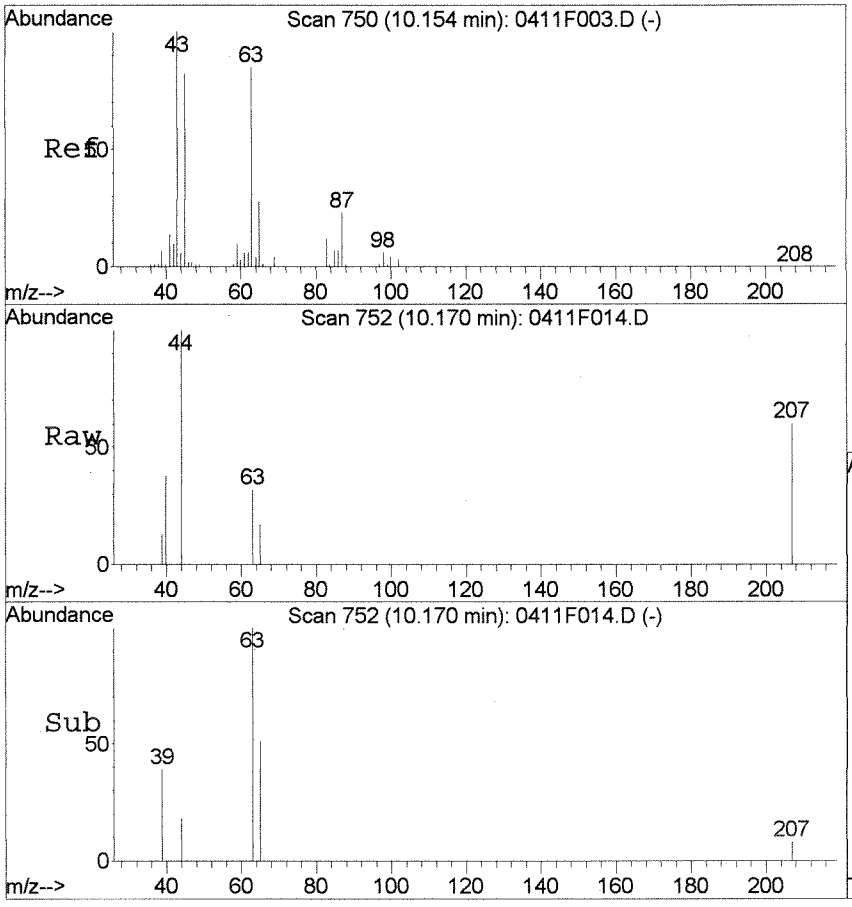


#14
Carbon Disulfide
Concen: 0.01 PPB
RT: 8.55 min Scan# 560
Delta R.T. 0.01 min
Lab File: 0411F014.D
Acq: 11 Apr 2008 3:57 pm

Tgt Ion: 76 Resp: 2804

Ion	Ratio	Lower	Upper
76	100		
78	38.0	0.0	38.6
77	0.0	0.0	32.9

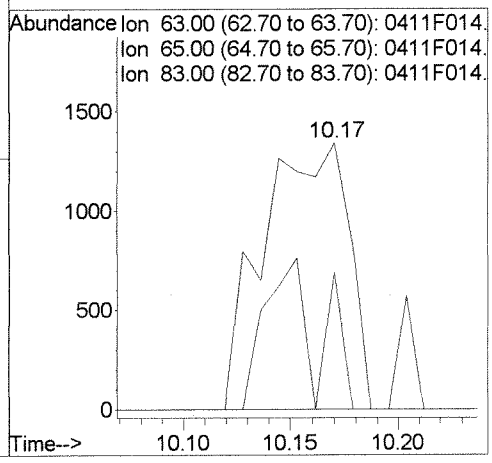


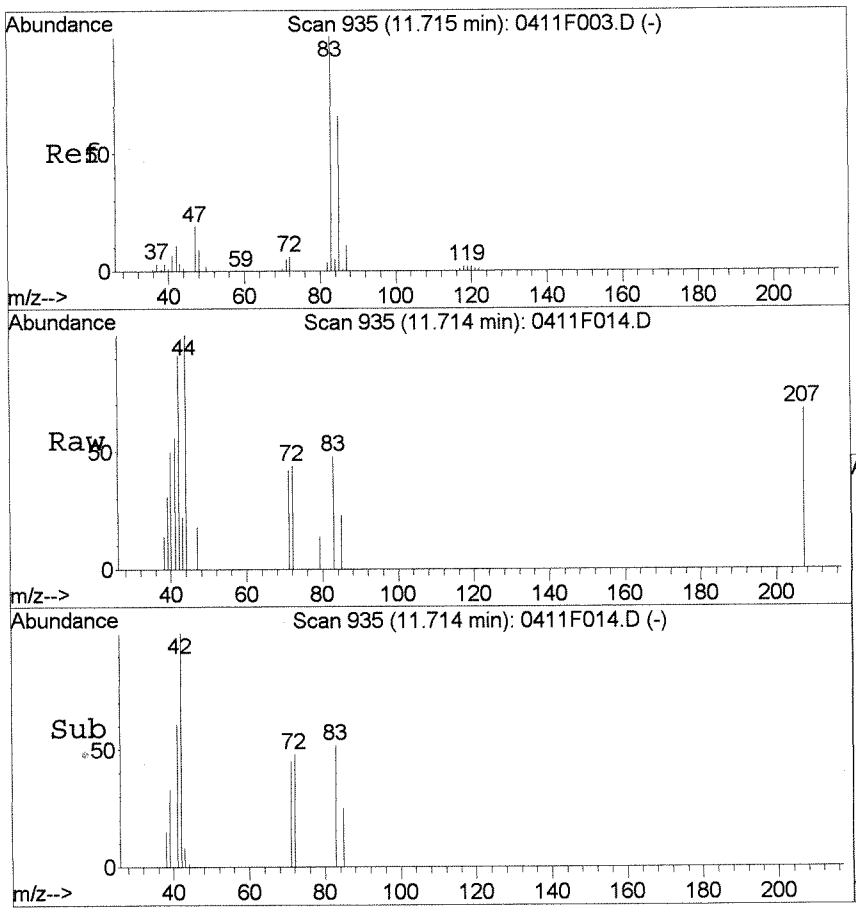


#24
1,1-Dichloroethane
Concen: 0.04 PPB
RT: 10.17 min Scan# 752
Delta R.T. 0.02 min
Lab File: 0411F014.D
Acq: 11 Apr 2008 3:57 pm

Tgt Ion: 63 Resp: 3673

Ion	Ratio	Lower	Upper
63	100		
65	51.4	2.6	62.6
83	0.0	0.0	44.4

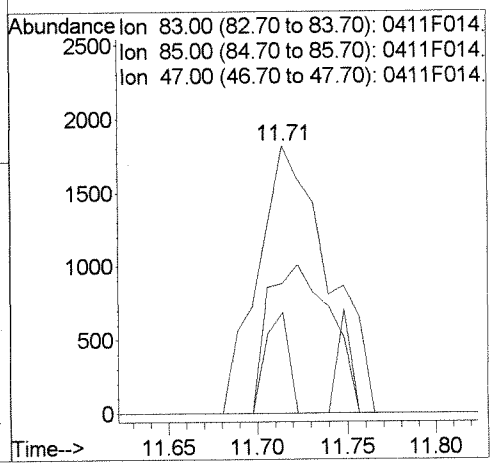


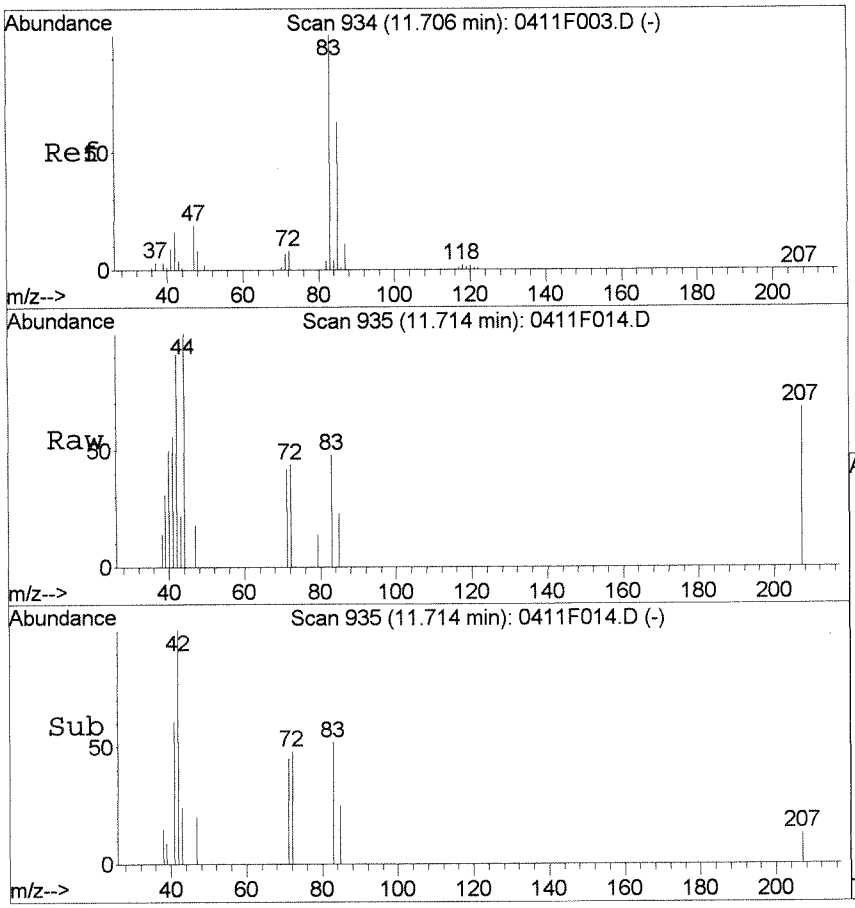


#37
Chloroform
Concen: 0.05 PPB
RT: 11.71 min Scan# 935
Delta R.T. -0.00 min
Lab File: 0411F014.D
Acq: 11 Apr 2008 3:57 pm

Tgt Ion: 83 Resp: 4941

Ion	Ratio	Lower	Upper
83	100		
85	48.4	36.1	96.1
47	37.8	0.0	53.4

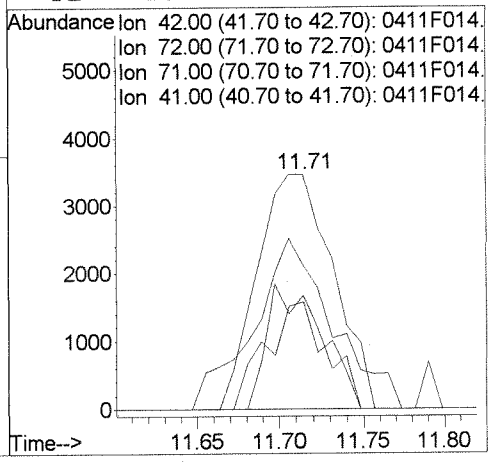


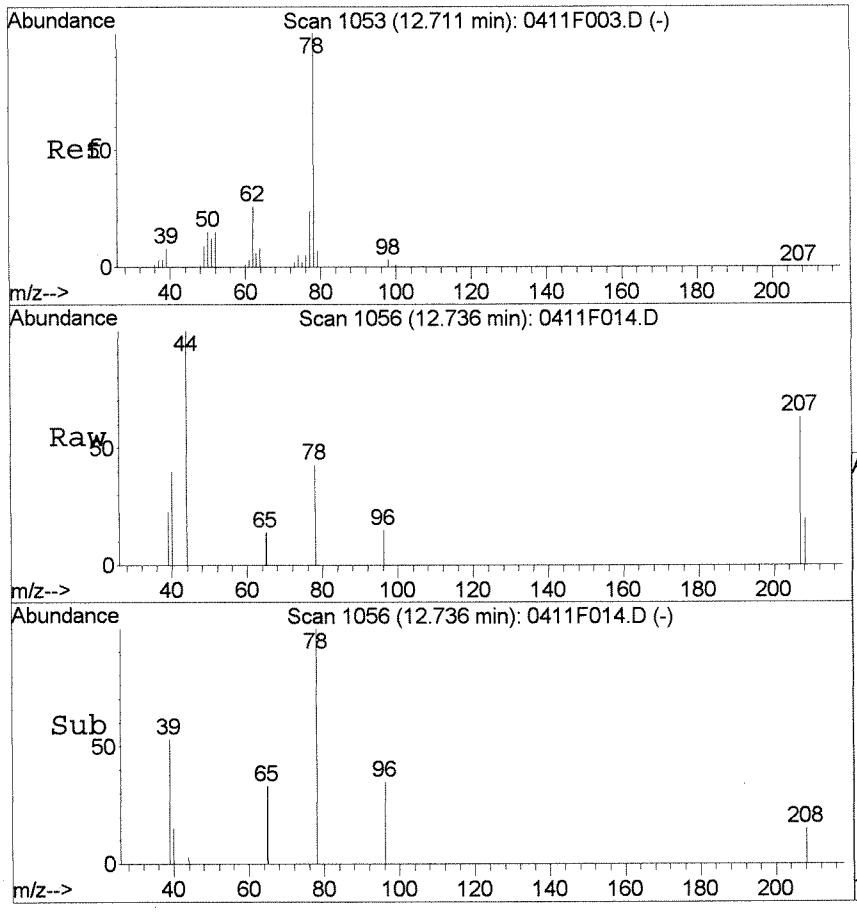


#39
Tetrahydrofuran
Concen: 2.25 PPB
RT: 11.71 min Scan# 935
Delta R.T. 0.01 min
Lab File: 0411F014.D
Acq: 11 Apr 2008 3:57 pm

Tgt Ion: 42 Resp: 10881

Ion	Ratio	Lower	Upper
42	100		
72	48.1	17.7	77.7
71	45.4	14.2	74.2
41	45.9	24.1	84.1

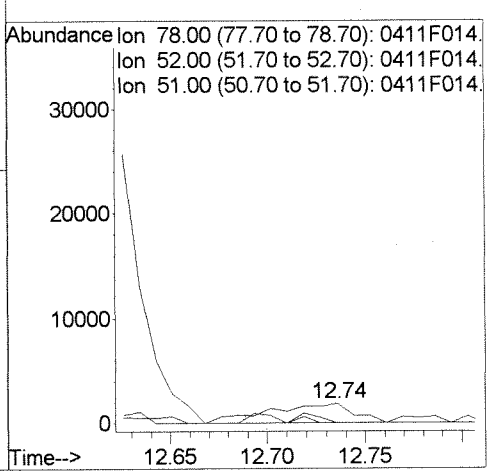


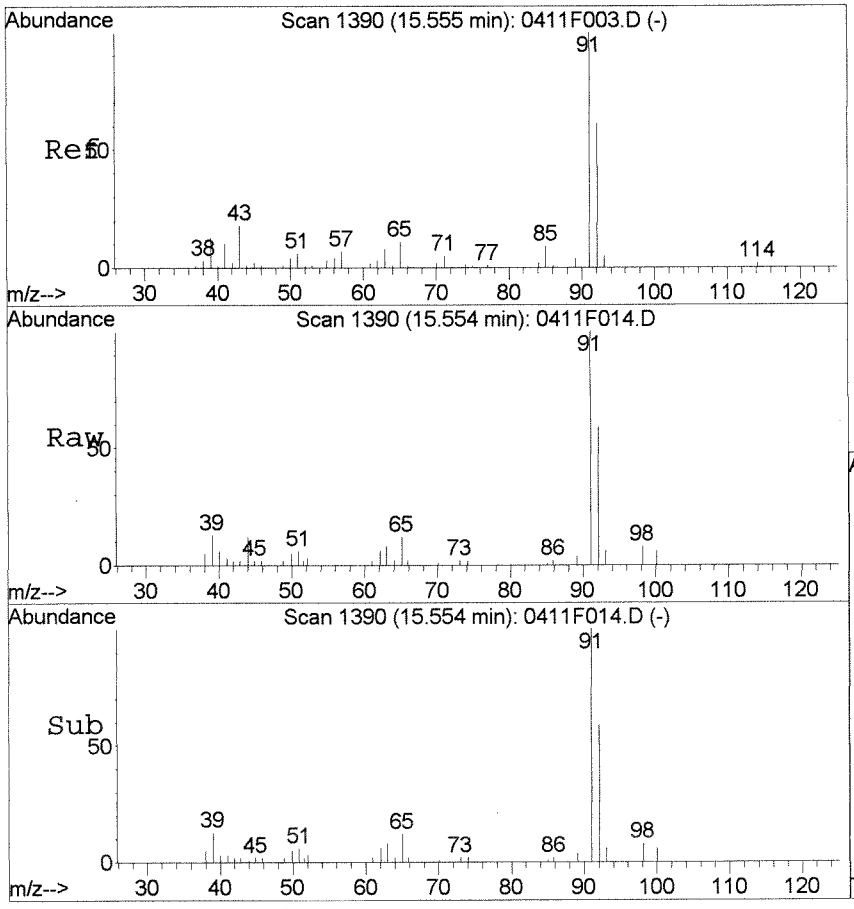


#48
Benzene
Concen: 0.03 PPB
RT: 12.74 min Scan# 1056
Delta R.T. 0.02 min
Lab File: 0411F014.D
Acq: 11 Apr 2008 3:57 pm

Tgt Ion: 78 Resp: 5652

Ion	Ratio	Lower	Upper
78	100		
52	0.0	0.0	45.1
51	0.0	0.0	48.4

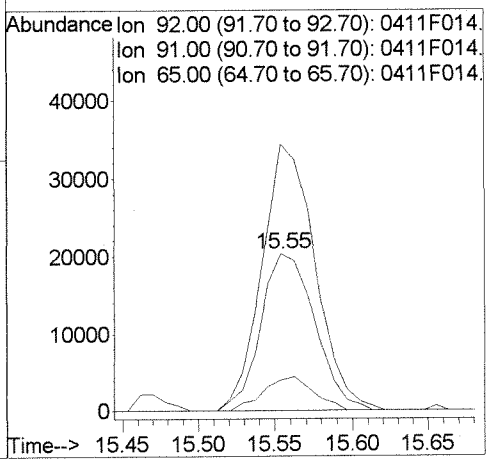


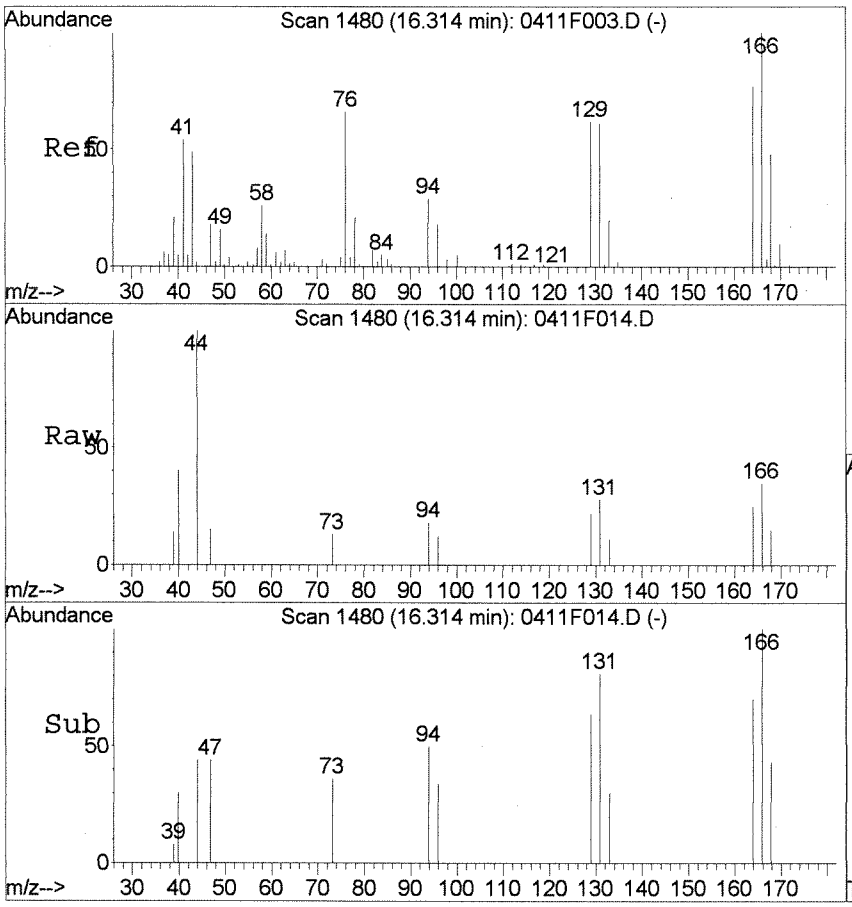


#62
Toluene
Concen: 0.39 PPB
RT: 15.55 min Scan# 1390
Delta R.T. -0.00 min
Lab File: 0411F014.D
Acq: 11 Apr 2008 3:57 pm

Tgt Ion: 92 Resp: 49406

Ion	Ratio	Lower	Upper
92	100		
91	169.1	132.7	192.7
65	19.6	0.0	47.9

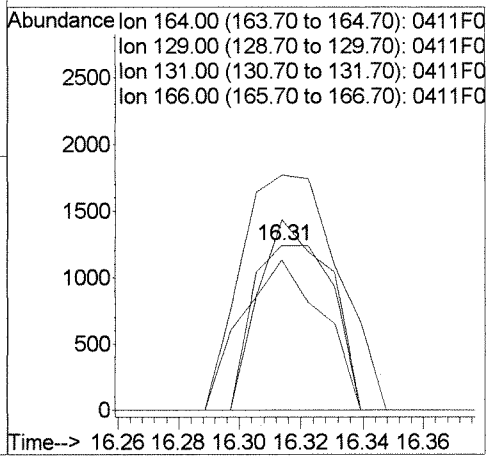




#68
Tetrachloroethene
Concen: 0.04 PPB
RT: 16.31 min Scan# 1480
Delta R.T. -0.00 min
Lab File: 0411F014.D
Acq: 11 Apr 2008 3:57 pm

Tgt Ion:164 Resp: 2254

Ion	Ratio	Lower	Upper
164	100		
129	91.2	50.4	110.4
131	115.6	49.0	109.0#
166	142.5	100.1	160.1



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

Service Request: K0802796
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0803341-4

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	04/11/08	04/11/08	KWG0803341	
Chloromethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Vinyl Chloride	ND	U	0.50	0.042	1	04/11/08	04/11/08	KWG0803341	
Bromomethane	ND	U	0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
Chloroethane	ND	U	0.50	0.23	1	04/11/08	04/11/08	KWG0803341	
Trichlorofluoromethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Acetone	ND	U	20	4.1	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethene	ND	U	0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
Carbon Disulfide	ND	U	0.50	0.16	1	04/11/08	04/11/08	KWG0803341	
Methylene Chloride	ND	U	2.0	0.20	1	04/11/08	04/11/08	KWG0803341	
trans-1,2-Dichloroethene	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
2-Butanone (MEK)	ND	U	20	2.3	1	04/11/08	04/11/08	KWG0803341	*
2,2-Dichloropropane	ND	U	0.50	0.18	1	04/11/08	04/11/08	KWG0803341	
cis-1,2-Dichloroethene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Chloroform	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromochloromethane	ND	U	0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
1,1,1-Trichloroethane (TCA)	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	*
1,1-Dichloropropene	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
Carbon Tetrachloride	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloroethane (EDC)	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Benzene	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Trichloroethene (TCE)	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloropropane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromodichloromethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Dibromomethane	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
2-Hexanone	ND	U	20	4.0	1	04/11/08	04/11/08	KWG0803341	
cis-1,3-Dichloropropene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Toluene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
trans-1,3-Dichloropropene	ND	U	0.50	0.090	1	04/11/08	04/11/08	KWG0803341	
1,1,2-Trichloroethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
4-Methyl-2-pentanone (MIBK)	ND	U	20	2.7	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichloropropane	ND	U	0.50	0.15	1	04/11/08	04/11/08	KWG0803341	

Comments:

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

Service Request: K0802796
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0803341-4

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	04/11/08	04/11/08	KWG0803341	
Dibromochloromethane	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromoethane (EDB)	ND	U	2.0	0.099	1	04/11/08	04/11/08	KWG0803341	
Chlorobenzene	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,1,1,2-Tetrachloroethane	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Ethylbenzene	ND	U	0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
m,p-Xylenes	ND	U	0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
o-Xylene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Styrene	ND	U	0.50	0.095	1	04/11/08	04/11/08	KWG0803341	
Bromoform	ND	U	0.50	0.28	1	04/11/08	04/11/08	KWG0803341	
Isopropylbenzene	ND	U	2.0	0.11	1	04/11/08	04/11/08	KWG0803341	
1,1,2,2-Tetrachloroethane	ND	U	0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichloropropane	ND	U	0.50	0.24	1	04/11/08	04/11/08	KWG0803341	
Bromobenzene	ND	U	2.0	0.18	1	04/11/08	04/11/08	KWG0803341	
n-Propylbenzene	ND	U	2.0	0.098	1	04/11/08	04/11/08	KWG0803341	
2-Chlorotoluene	ND	U	2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
4-Chlorotoluene	ND	U	2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trimethylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
tert-Butylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trimethylbenzene	ND	U	2.0	0.15	1	04/11/08	04/11/08	KWG0803341	
sec-Butylbenzene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichlorobenzene	ND	U	0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
4-Isopropyltoluene	ND	U	2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,4-Dichlorobenzene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
n-Butylbenzene	ND	U	2.0	0.23	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichlorobenzene	ND	U	0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromo-3-chloropropane	ND	U	2.0	1.0	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trichlorobenzene	ND	U	2.0	0.22	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichlorobenzene	ND	U	2.0	0.33	1	04/11/08	04/11/08	KWG0803341	
Naphthalene	ND	U	2.0	0.29	1	04/11/08	04/11/08	KWG0803341	
Hexachlorobutadiene	ND	U	2.0	0.28	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trichlorobenzene	ND	U	5.0	0.35	1	04/11/08	04/11/08	KWG0803341	

* See Case Narrative

Comments:

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

Service Request: K0802796
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG0803341-4

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	75-120	04/11/08	Acceptable
Toluene-d8	120	80-128	04/11/08	Acceptable
4-Bromofluorobenzene	110	75-117	04/11/08	Acceptable

Comments:

Exception Report

Data File: J:\MS04\DATA\041108\0411F009.D
Lab ID: KWG0803341-4
RunType: MB
Matrix: WATER

Date Acquired: 04/11/2008 13:17
Date Quantitated: 04/11/2008 14:14
Batch ID: KWG0803340
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	0.0007	0.01	NA	NT
	tert-Butyl Alcohol	0.0067	0.01	NA	1
	Isobutyl Alcohol	0.0027	0.01	NA	1
	2-Butanone (MEK)	0.0099	0.01	NA	MRL check
Continuing Calibration Recovery	Tetrahydrofuran	203.5	NA	30	NT
Continuing Calibration Minimum RF	1,4-Dioxane	0.0010	0.01	NA	1
	tert-Butyl Alcohol	0.0062	0.01	NA	1
	Isobutyl Alcohol	0.0029	0.01	NA	1

Primary Review: HC 4.11.08
Secondary Review: F-A-h 4/14/8

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8260B VOC_FP	**Collect Date:**		**Receive Date:**	04/11/2008

Analysis Lot:	KWG0803340	**Prep Lot:**	KWG0803341	**Report Group:**	
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	700866	**Prep Date:**	04/11/2008		

Quant Method:	J:\MS04\METHODS\101007MS04-8	**Calibration ID:**	CAL6696
Title:			
Tune Ref:	J:\MS04\DATA\041108\0411F002.D	**Method ID:**	MJ119
MB Ref:		**Quant based on Method**	

Data File:	J:\MS04\DATA\041108\0411F009.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 13:17	**Quant Date:**	04/11/2008 14:14	**Vial:**	9
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG0803341-4			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	13.12	0.00	96	2021122	10.00	OK
2	Chlorobenzene-d5	17.39	0.00	117	1532545	10.00	OK
3	1,4-Dichlorobenzene-d4	20.03	0.00	152	820087	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	12.00	0.01	0.00	113	584287	11.01	110	75-120	OK	
1	1,2-Dichloroethane-d4	12.60	0.01	0.00	65	425060	11.76	118	62-121	OK	
1	Toluene-d8	15.46	0.01	0.00	98	1837986	11.98	120	80-128	OK	
2	4-Bromofluorobenzene	18.74	0.00	0.00	95	669738	11.00	110	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				94	0d		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	Trichlorotrifluoroethane				151	0		0.14	U	
1	1,1-Dichloroethene				96	0		0.13	U	
1	Acetone	8.12	0.01	0.00	43	6302	1.20	4.1	U	
1	Iodomethane				127	0		0.38	U	
1	Carbon Disulfide				76	0		0.16	U	
1	Acrolein				56	0		6.7	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:\MS04\DATA\041108\0411F009.D		**Instrument:** MS04
Acqu Date:	04/11/2008 13:17	**Quant Date:** 04/11/2008 14:14	**Vial:** 9
Run Type:	MB		**Dilution:** 1.0
Lab ID:	KWG0803341-4		**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				41	0**d**		0.16	U	
1	Acetonitrile				41	0**d**		7.5	U	
1	Methylene Chloride	8.93	0.01	0.00	84	6263	0.0900	0.20	U	
1	tert-Butyl Alcohol				59	0		1.1	U	
1	Methyl tert-Butyl Ether				73	0		0.20	U	
1	trans-1,2-Dichloroethene				96	0		0.15	U	
1	n-Hexane	9.82		0.00	57	2106	0.0300	0.19	U	
1	1,1-Dichloroethane				63	0		0.11	U	
1	Vinyl Acetate				86	0		0.91	U	
1	Acrylonitrile				53	0		0.54	U	
1	Diisopropyl Ether				45	0		0.25	U	
1	Chloroprene				88	0		0.35	U	
1	tert-Butyl Ethyl Ether				59	0		0.075	U	
1	2,2-Dichloropropane				77	0		0.18	U	
1	Ethyl Acetate				70	0		0.80	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	Methacrylonitrile				67	0		0.45	U	
1	Bromochloromethane				128	0		0.17	U	
1	Chloroform				83	0		0.14	U	
1	tert-Butyl Formate				59	0		0.18	U	
1	Tetrahydrofuran	11.71		0.00	42	103504	20.57	20.6		
1	1,1,1-Trichloroethane (TCA)				97	0		0.12	U	
1	Isobutyl Alcohol				43	0		12	U	
1	Carbon Tetrachloride				117	0		0.14	U	
1	1,1-Dichloropropene				75	0		0.15	U	
1	tert-Amyl Methyl Ether				55	0		0.15	U	
1	Benzene	12.71		0.00	78	5426	0.0200	0.14	U	
1	1,2-Dichloroethane (EDC)				62	0**d**		0.12	U	
1	Trichloroethene (TCE)				95	0		0.14	U	
1	Methyl Methacrylate				69	0		0.36	U	
1	1,2-Dichloropropane				63	0		0.14	U	
1	1,4-Dioxane				88	0		26	U	
1	Dibromomethane				93	0		0.12	U	
1	Bromodichloromethane				83	0		0.11	U	
1	2-Chloroethyl Vinyl Ether				63	0		0.34	U	
1	2-Nitropropane				41	0		2.0	U	
1	cis-1,3-Dichloropropene				75	0		0.11	U	
1	4-Methyl-2-pentanone (MIBK)				100	0**d**		2.7	U	
1	Toluene				92	0**d**		0.11	U	
2	Ethyl Methacrylate				69	0**d**		0.13	U	

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

Data File:	J:\MS04\DATA\041108\0411F009.D		**Instrument:** MS04
Acqu Date:	04/11/2008 13:17	**Quant Date:** 04/11/2008 14:14	**Vial:** 9
Run Type:	MB		**Dilution:** 1.0
Lab ID:	KWG0803341-4		**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	n-Octane				85	0		0.29	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	1-Chlorohexane				55	0**d**		0.13	U	
2	Chlorobenzene				112	0		0.14	U	
2	Ethylbenzene				106	0**d**		0.13	U	
2	1,1,1,2-Tetrachloroethane				131	0**d**		0.12	U	
2	m,p-Xylenes				106	0**d**		0.22	U	
2	o-Xylene				106	0		0.11	U	
2	Styrene				104	0		0.095	U	
2	Bromoform				173	0		0.28	U	
2	Isopropylbenzene				105	0		0.11	U	
3	cis-1,4-Dichloro-2-butene				88	0**d**		0.84	U	
3	1,1,2,2-Tetrachloroethane				83	0		0.14	U	
3	Bromobenzene				156	0		0.18	U	
3	n-Propylbenzene				91	0**d**		0.098	U	
3	trans-1,4-Dichloro-2-butene				53	0		0.60	U	
3	1,2,3-Trichloropropane				110	0		0.24	U	
3	2-Chlorotoluene				91	0**d**		0.12	U	
3	1,3,5-Trimethylbenzene				105	0**d**		0.13	U	
3	4-Chlorotoluene				91	0**d**		0.12	U	
3	tert-Butylbenzene				134	0		0.13	U	
3	1,2,4-Trimethylbenzene	19.57		0.00	105	2532	0.0100	0.15	U	
3	sec-Butylbenzene	19.77		0.00	105	3312	0.0100	0.13	U	
3	4-Isopropyltoluene	19.89		0.00	119	3854	0.0200	0.13	U	
3	1,3-Dichlorobenzene				146	0**d**		0.11	U	
3	1,4-Dichlorobenzene	20.06	0.01	0.00	146	2021	0.0100	0.12	U	
3	n-Butylbenzene	20.36		0.00	91	6483	0.0300	0.23	U	
3	1,2-Dichlorobenzene				146	0**d**		0.12	U	
3	1,2-Dibromo-3-chloropropane				157	0		1.0	U	
3	1,3,5-Trichlorobenzene	21.64	0.01	0.00	180	15678	0.2000	0.35	U	
3	1,2,4-Trichlorobenzene	22.46	0.01	0.00	180	4741	0.0900	0.22	U	
3	Hexachlorobutadiene	22.61	0.01	0.00	225	2045	0.0800	0.28	U	
3	Naphthalene	22.86	0.01	0.00	128	8688	0.1300	0.29	U	
3	1,2,3-Trichlorobenzene	23.18		0.00	180	7579	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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Data File:	J:\MS04\DATA\041108\0411F009.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 13:17	**Quant Date:**	04/11/2008 14:14	**Vial:**	9
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG0803341-4			**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

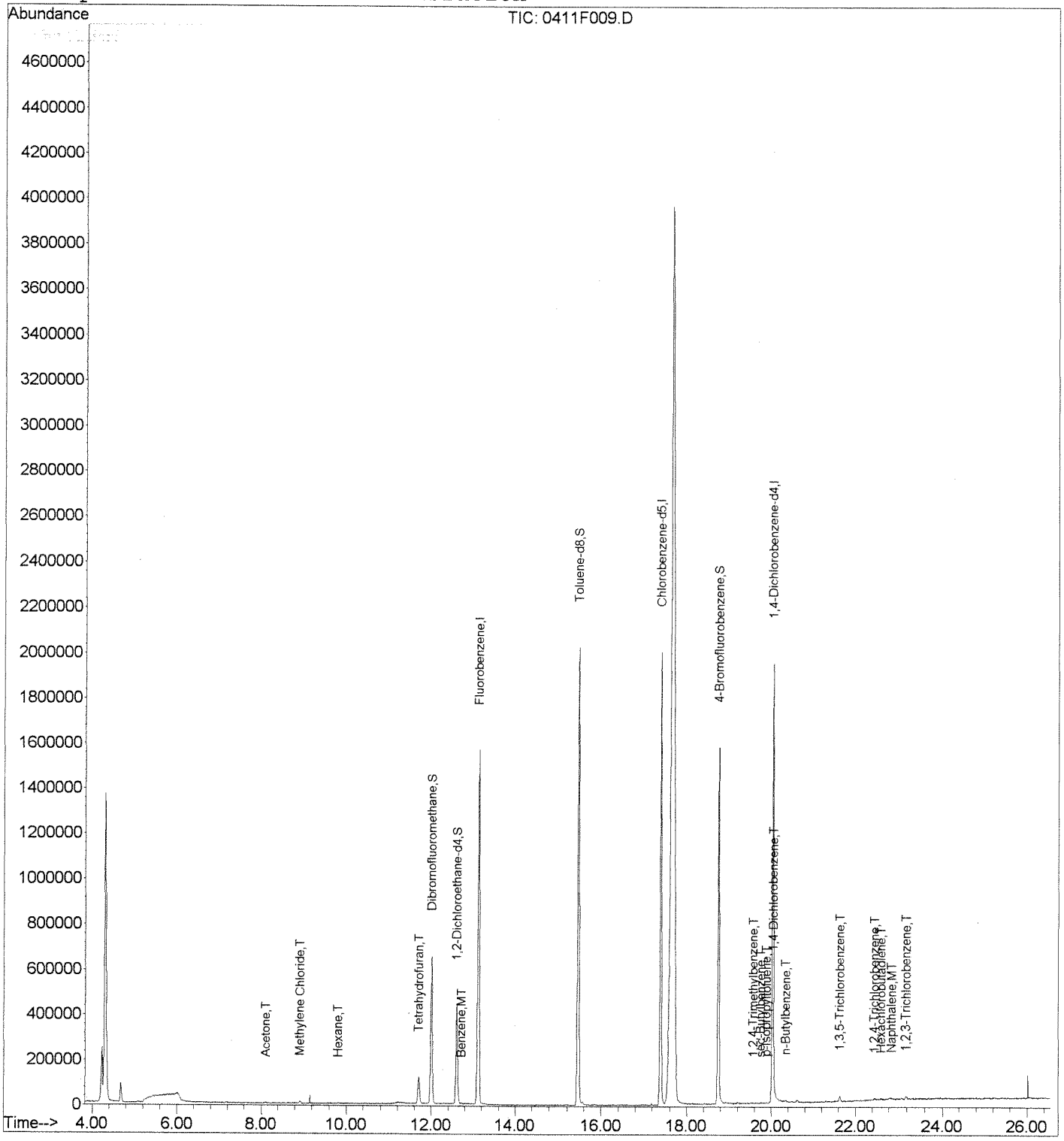
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

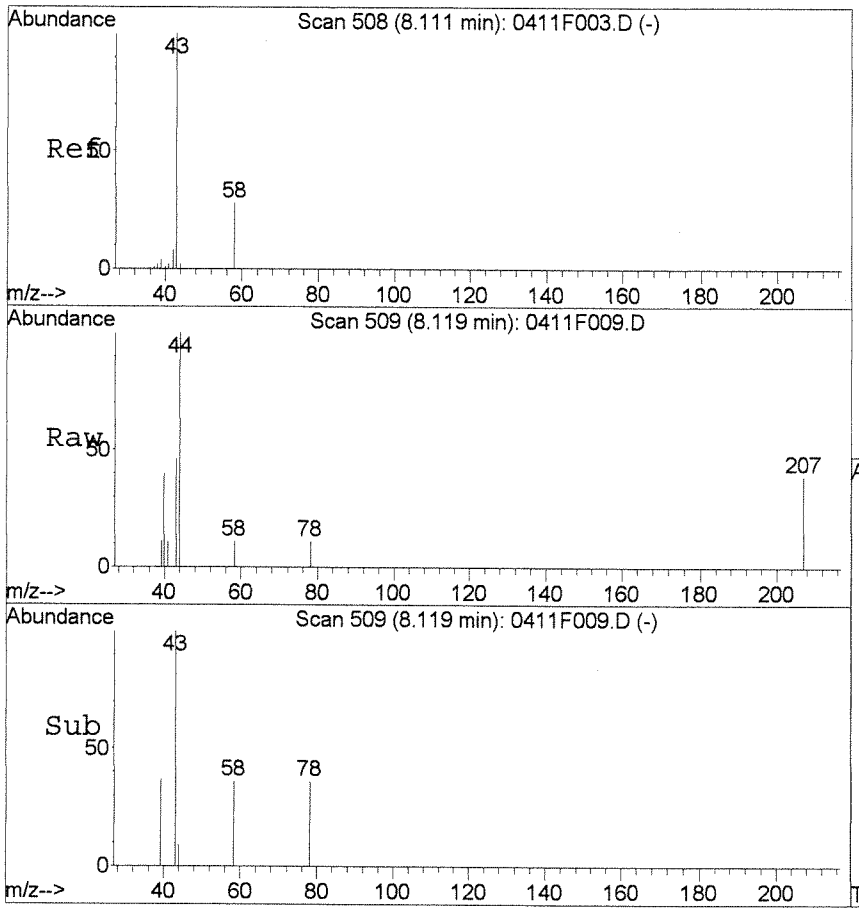
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS04\DATA\041108\0411F009.D Vial: 9
Acq On : 11 Apr 2008 1:17 pm Operator: HC
Sample : MB Inst : MS04
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 11 14:14 2008 Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Initial Calibration

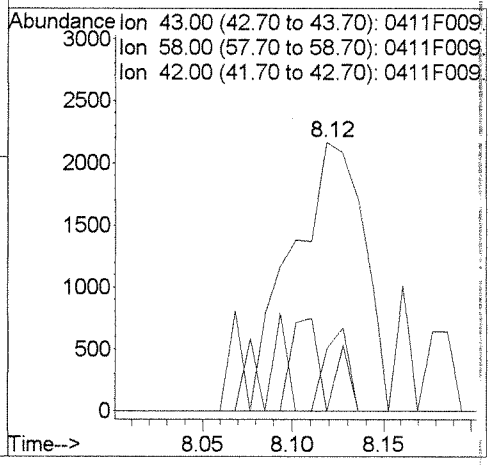


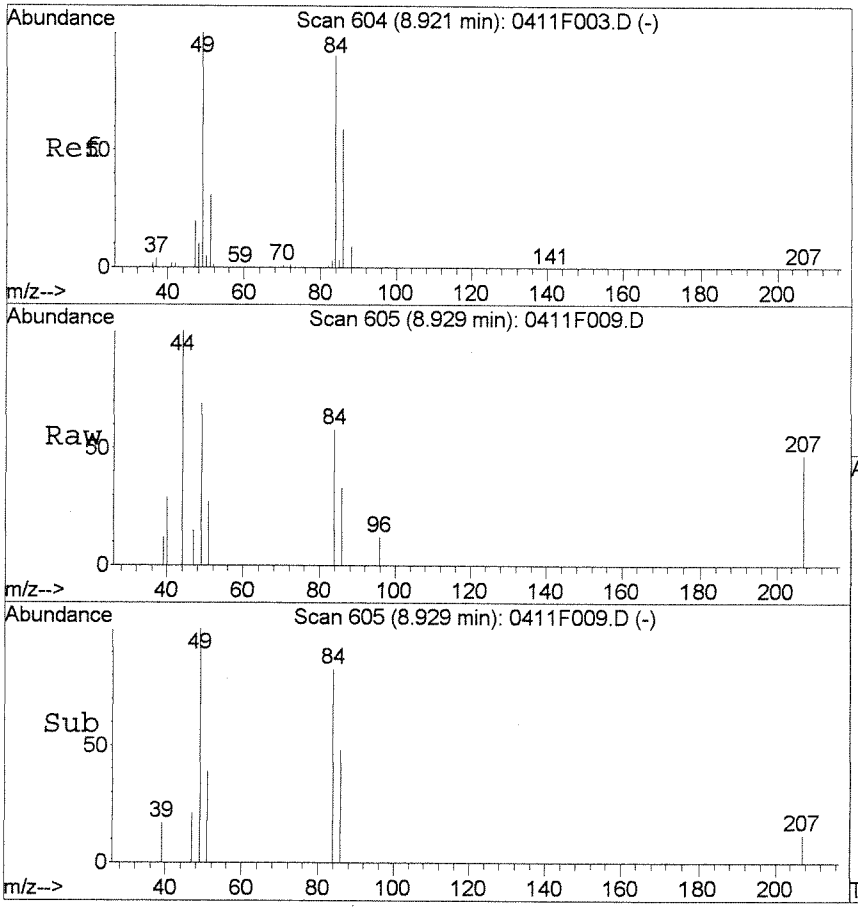


#12
Acetone
Concen: 1.20 PPB
RT: 8.12 min Scan# 509
Delta R.T. 0.01 min
Lab File: 0411F009.D
Acq: 11 Apr 2008 1:17 pm

Tgt Ion: 43 Resp: 6302

Ion	Ratio	Lower	Upper
43	100		
58	23.6	0.0	57.6
42	0.0	0.0	37.7

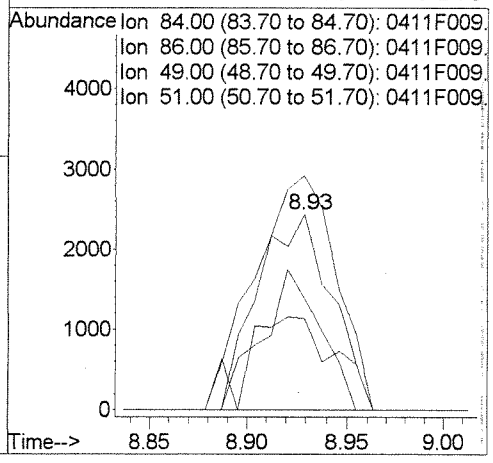


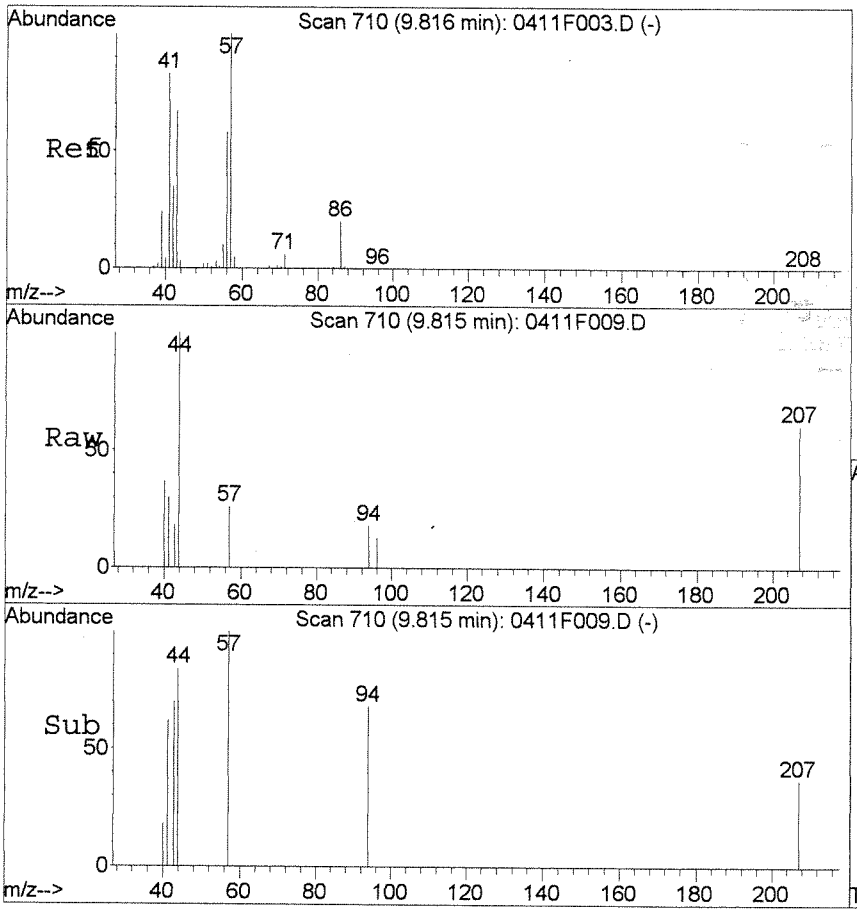


#19
Methylene Chloride
Concen: 0.09 PPB
RT: 8.93 min Scan# 605
Delta R.T. 0.01 min
Lab File: 0411F009.D
Acq: 11 Apr 2008 1:17 pm

Tgt Ion: 84 Resp: 6263

Ion	Ratio	Lower	Upper
84	100		
86	57.2	35.6	95.6
49	119.9	81.5	141.5
51	46.7	4.9	64.9

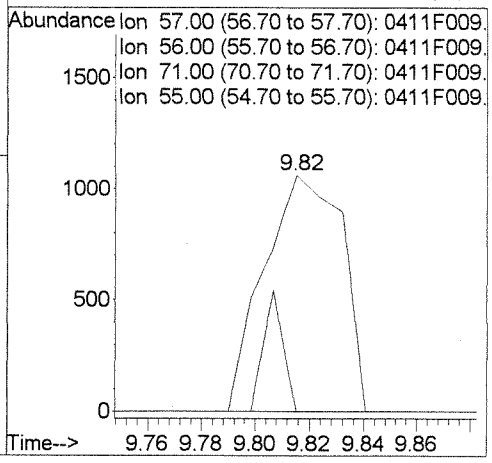


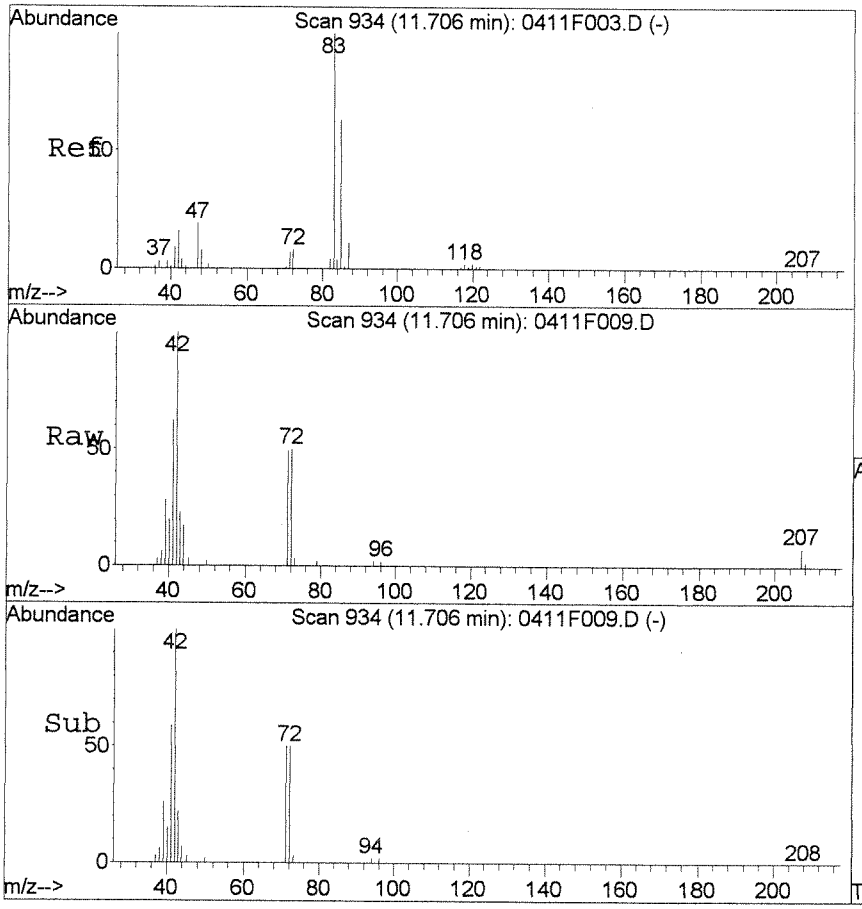


#23
Hexane
Concen: 0.03 PPB
RT: 9.82 min Scan# 710
Delta R.T. -0.00 min
Lab File: 0411F009.D
Acq: 11 Apr 2008 1:17 pm

Tgt Ion: 57 Resp: 2106

Ion	Ratio	Lower	Upper
57	100		
56	0.0	28.2	88.2#
71	0.0	0.0	36.4
55	0.0	0.0	39.7

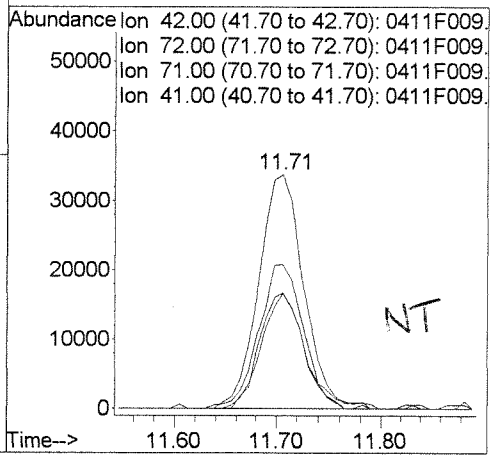


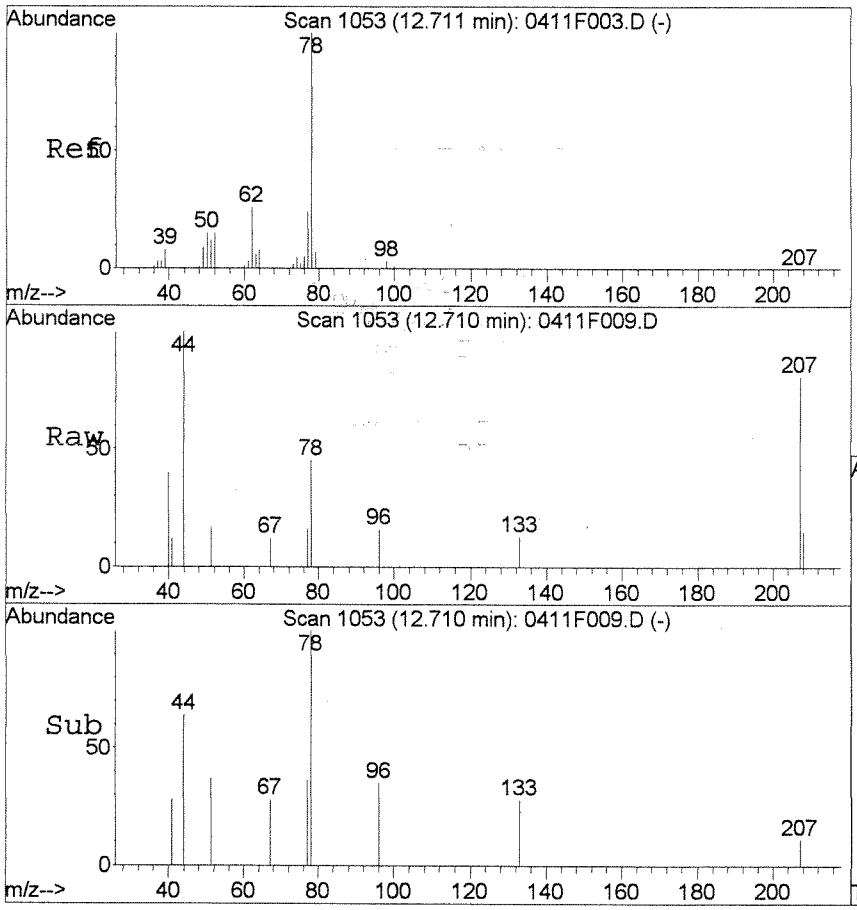


#39
Tetrahydrofuran
Concen: 20.57 PPB
RT: 11.71 min Scan# 934
Delta R.T. -0.00 min
Lab File: 0411F009.D
Acq: 11 Apr 2008 1:17 pm

Tgt Ion: 42 Resp: 103504

Ion	Ratio	Lower	Upper
42	100		
72	49.5	17.7	77.7
71	49.3	14.2	74.2
41	61.7	24.1	84.1

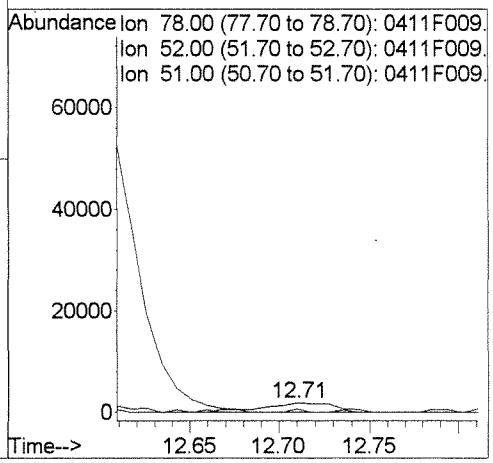


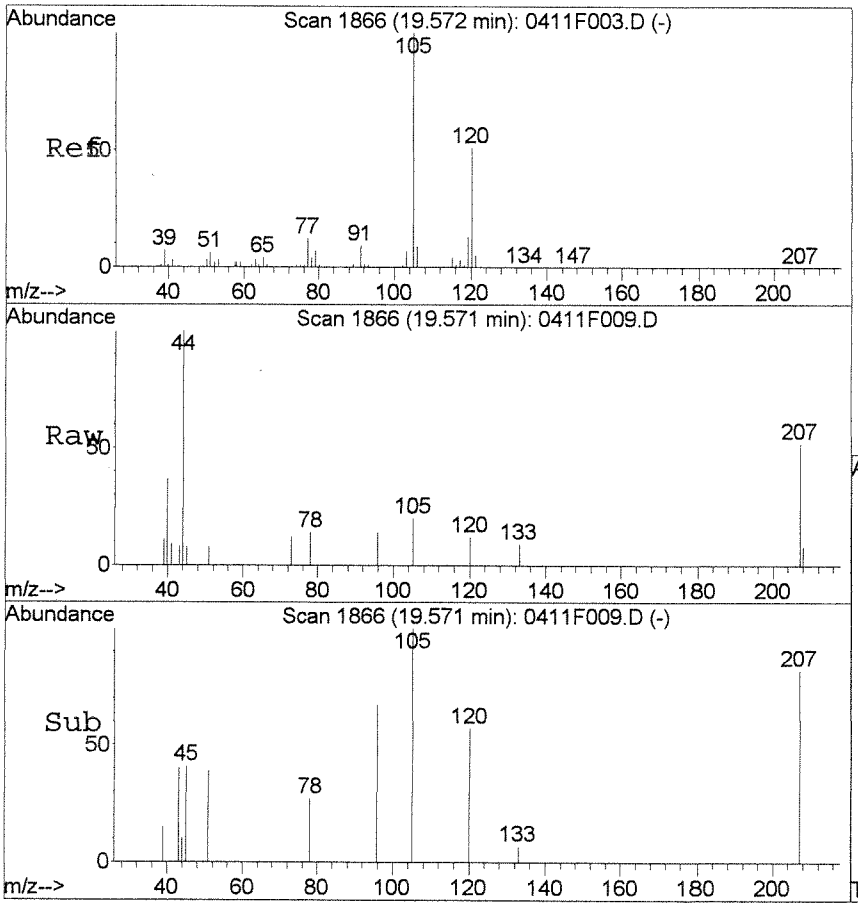


#48
Benzene
Concen: 0.02 PPB
RT: 12.71 min Scan# 1053
Delta R.T. -0.00 min
Lab File: 0411F009.D
Acq: 11 Apr 2008 1:17 pm

Tgt Ion: 78 Resp: 5426

Ion	Ratio	Lower	Upper
78	100		
52	0.0	0.0	45.1
51	36.6	0.0	48.4

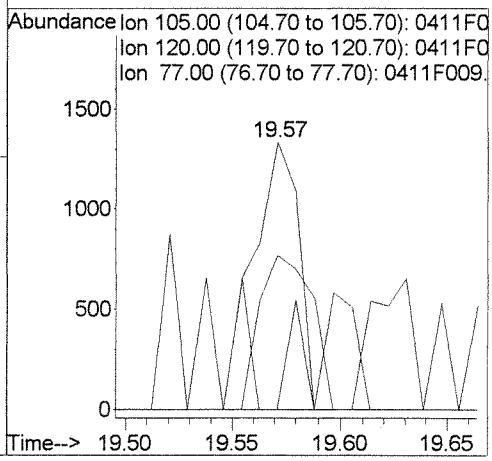


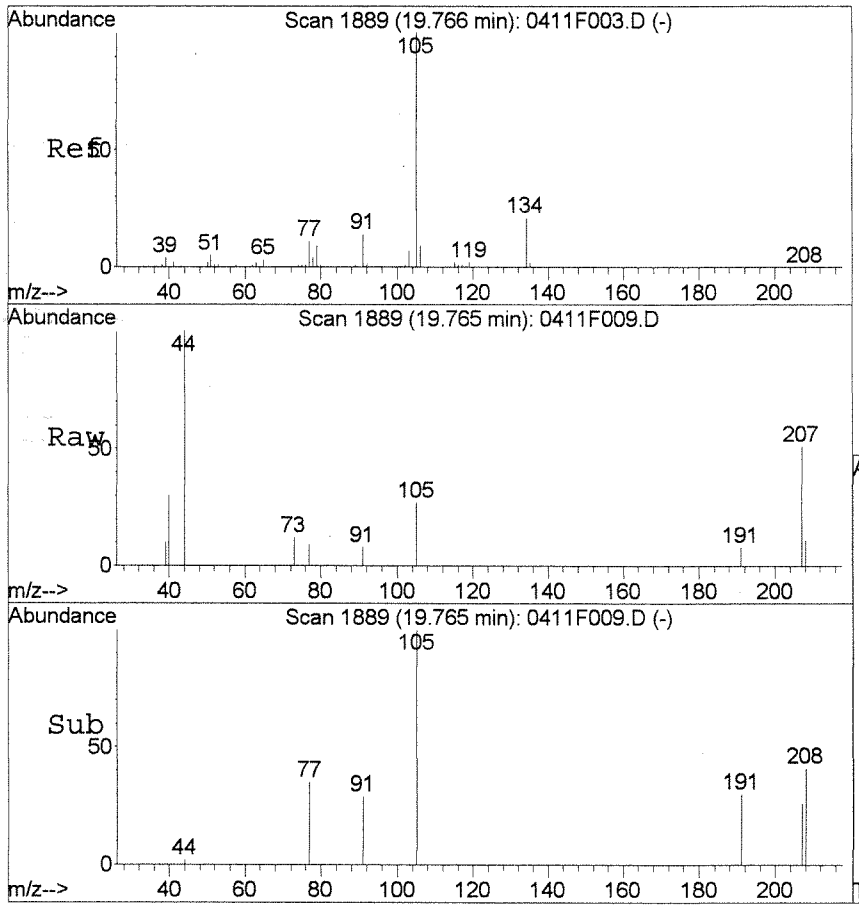


#94
1,2,4-Trimethylbenzene
Concen: 0.01 PPB
RT: 19.57 min Scan# 1866
Delta R.T. -0.00 min
Lab File: 0411F009.D
Acq: 11 Apr 2008 1:17 pm

Tgt Ion:105 Resp: 2532

Ion	Ratio	Lower	Upper
105	100		
120	57.5	20.5	80.5
77	0.0	0.0	41.8

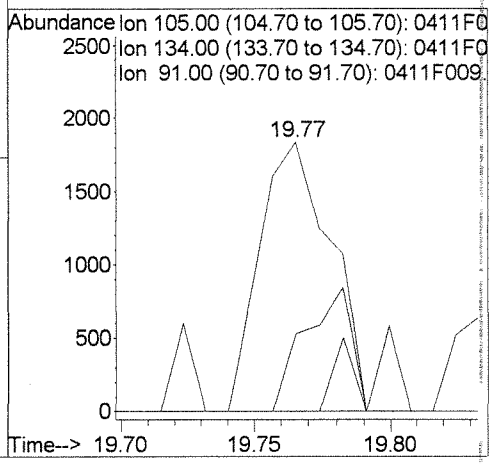


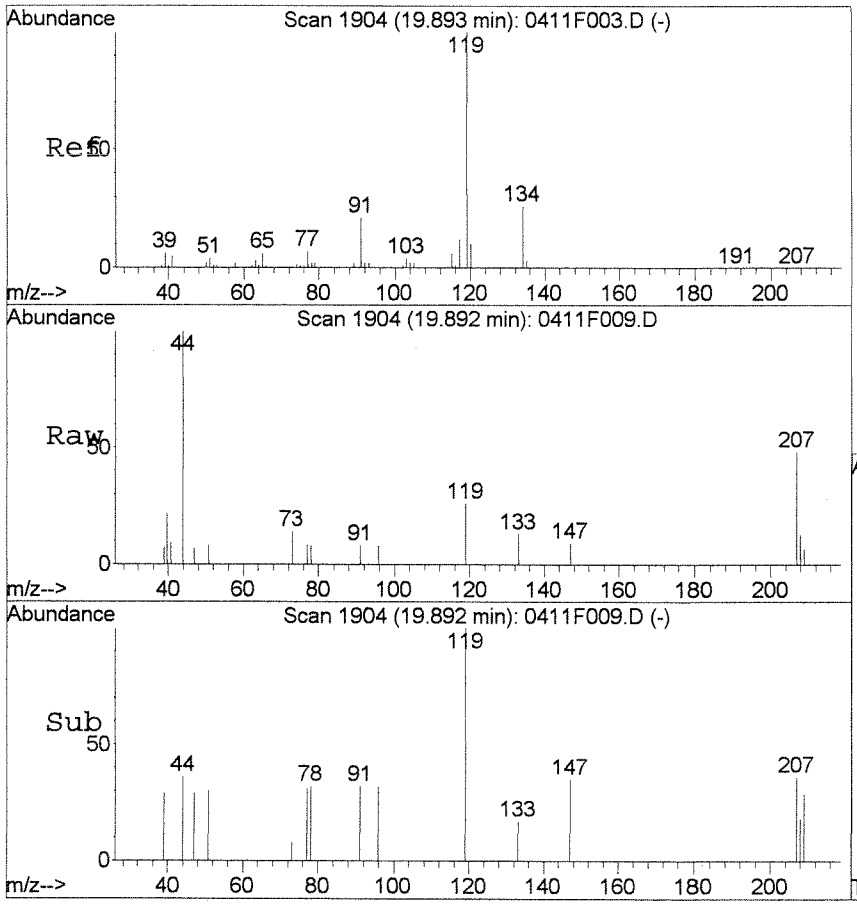


#95
sec-Butylbenzene
Concen: 0.01 PPB
RT: 19.77 min Scan# 1889
Delta R.T. -0.00 min
Lab File: 0411F009.D
Acq: 11 Apr 2008 1:17 pm

Tgt Ion:105 Resp: 3312

Ion	Ratio	Lower	Upper
105	100		
134	0.0	0.0	51.0
91	28.8	0.0	44.0

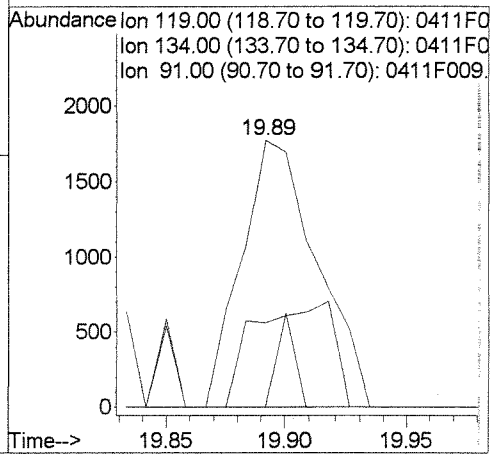


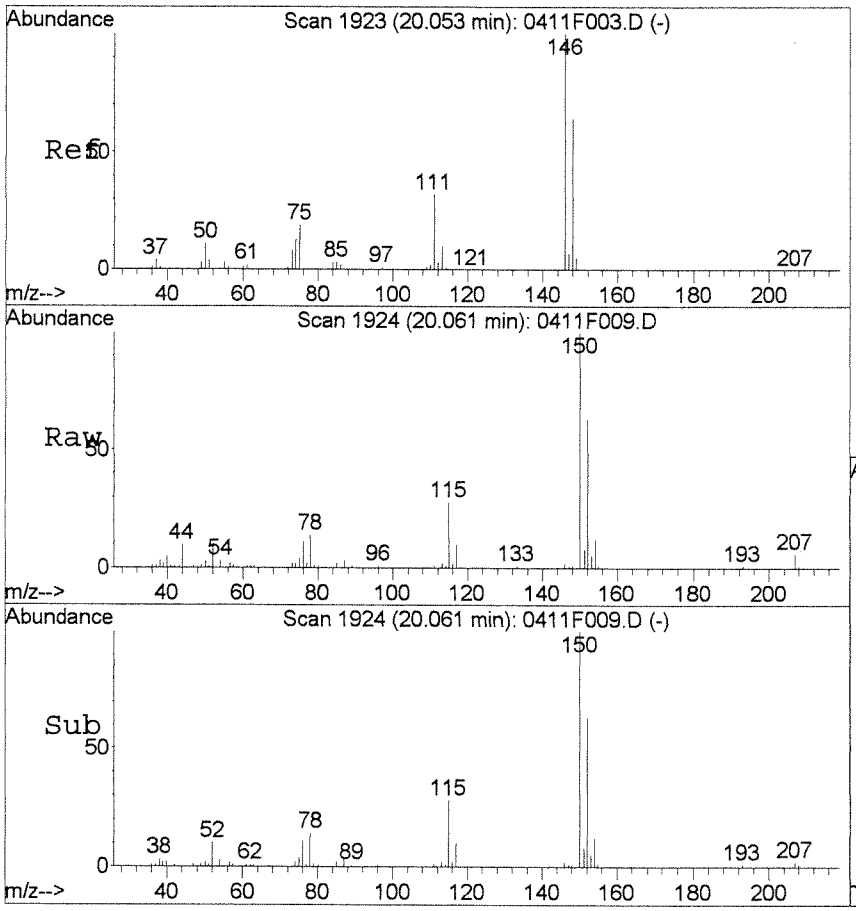


#96
p-Isopropyltoluene
Concen: 0.02 PPB
RT: 19.89 min Scan# 1904
Delta R.T. -0.00 min
Lab File: 0411F009.D
Acq: 11 Apr 2008 1:17 pm

Tgt Ion:119 Resp: 3854

Ion	Ratio	Lower	Upper
119	100		
134	0.0	0.0	56.4
91	31.6	0.0	51.0

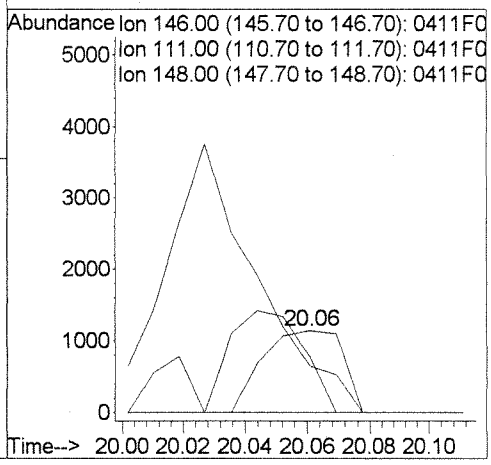


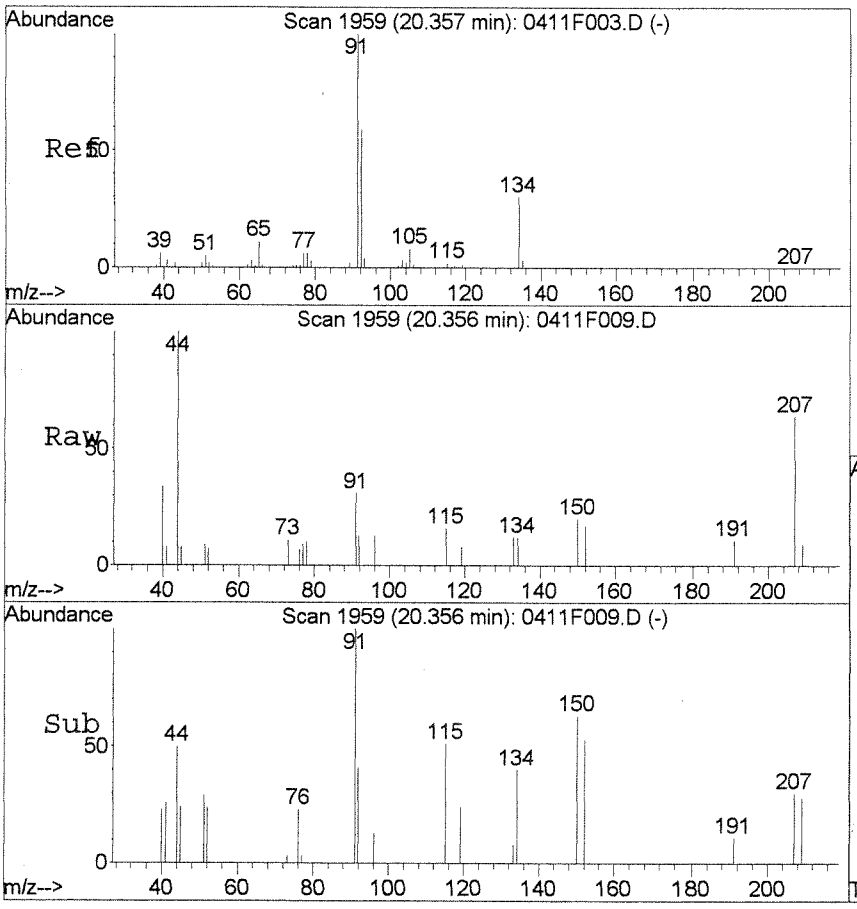


#98
1,4-Dichlorobenzene
Concen: 0.01 PPB
RT: 20.06 min Scan# 1924
Delta R.T. 0.01 min
Lab File: 0411F009.D
Acq: 11 Apr 2008 1:17 pm

Tgt Ion:146 Resp: 2021

Ion	Ratio	Lower	Upper
146	100		
111	56.8	2.5	62.5
148	68.0	33.9	93.9

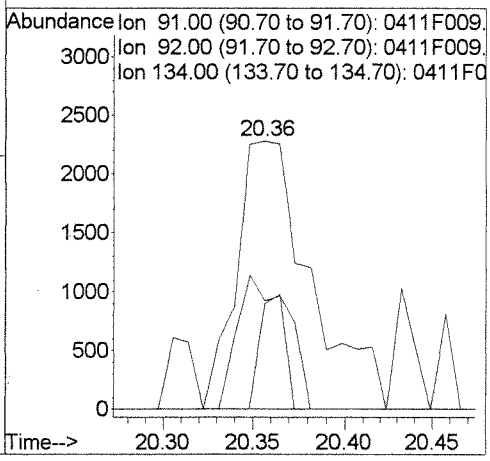


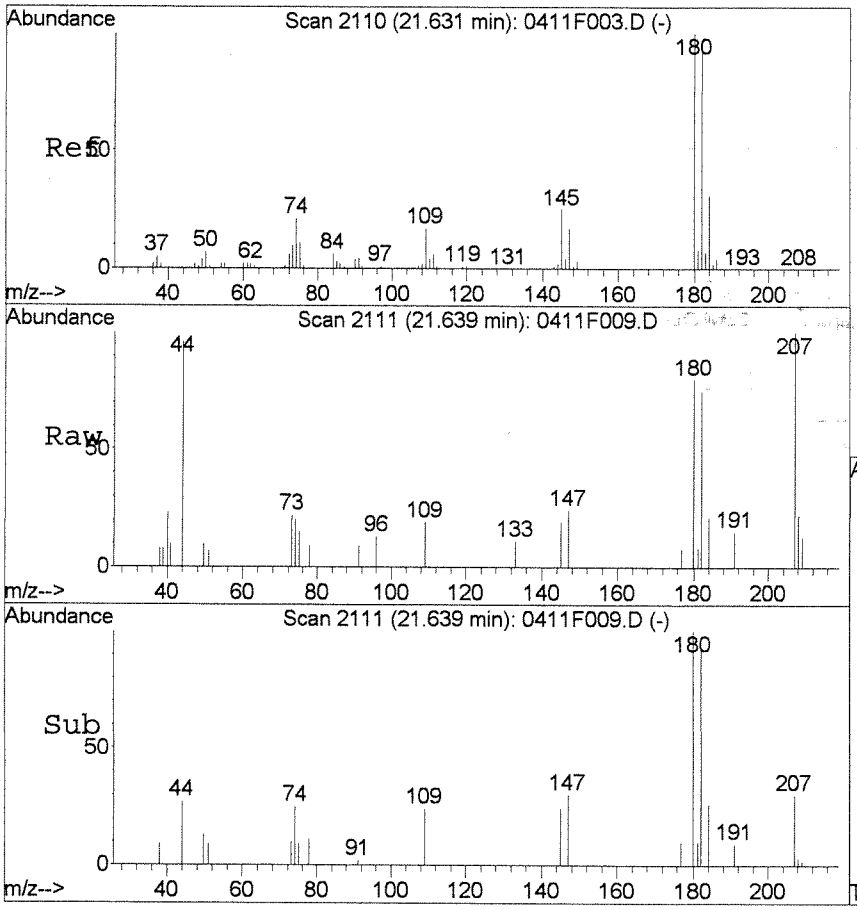


#99
n-Butylbenzene
Concen: 0.03 PPB
RT: 20.36 min Scan# 1959
Delta R.T. -0.00 min
Lab File: 0411F009.D
Acq: 11 Apr 2008 1:17 pm

Tgt Ion: 91 Resp: 6483

Ion	Ratio	Lower	Upper
91	100		
92	40.5	29.5	89.5
134	39.5	0.0	59.6

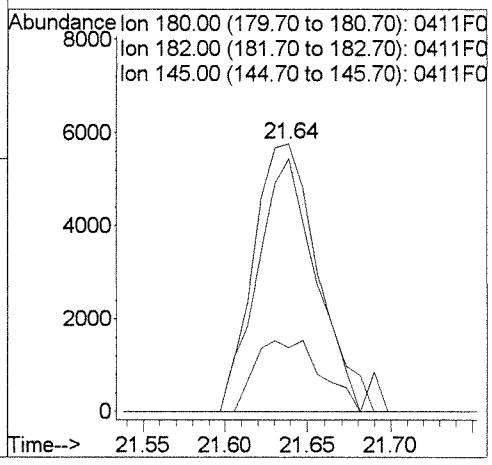


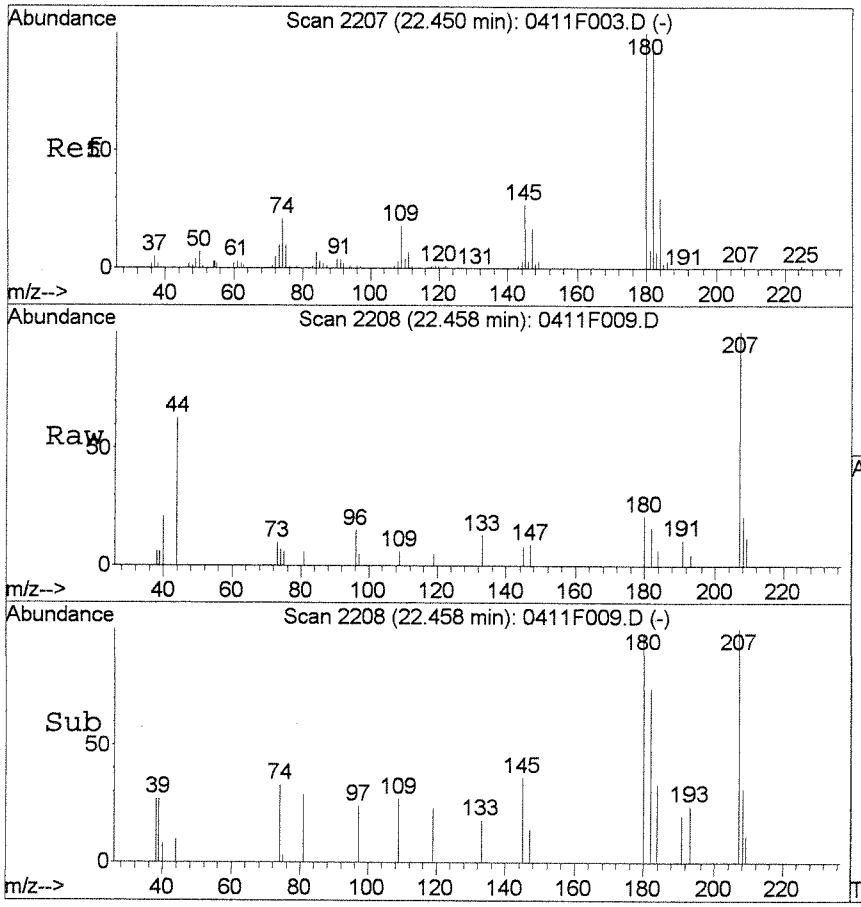


#102
1,3,5-Trichlorobenzene
Concen: 0.20 PPB
RT: 21.64 min Scan# 2111
Delta R.T. 0.01 min
Lab File: 0411F009.D
Acq: 11 Apr 2008 1:17 pm

Tgt Ion:180 Resp: 15678

Ion	Ratio	Lower	Upper
180	100		
182	94.6	64.6	124.6
145	23.9	0.0	55.5

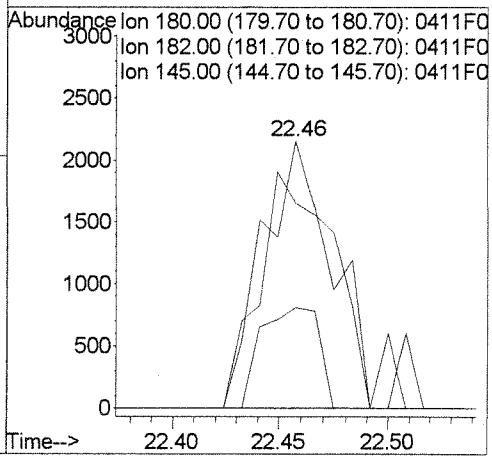


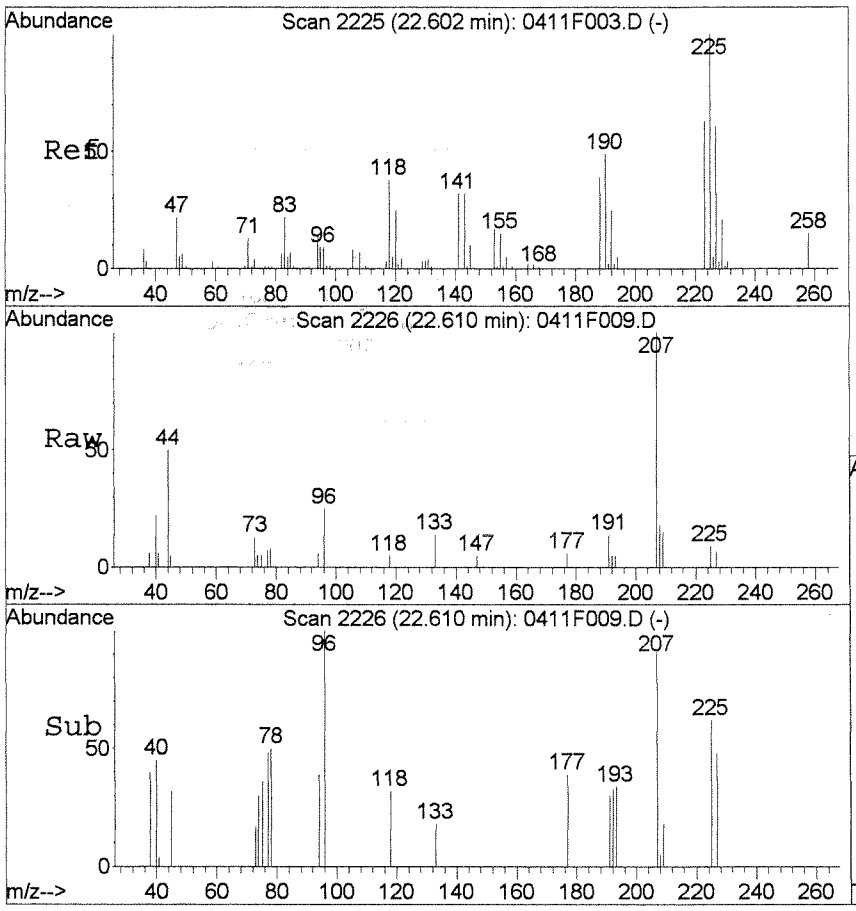


#103
1,2,4-Trichlorobenzene
Concen: 0.09 PPB
RT: 22.46 min Scan# 2208
Delta R.T. 0.01 min
Lab File: 0411F009.D
Acq: 11 Apr 2008 1:17 pm

Tgt Ion:180 Resp: 4741

Ion	Ratio	Lower	Upper
180	100		
182	76.8	65.6	125.6
145	37.5	0.0	57.3

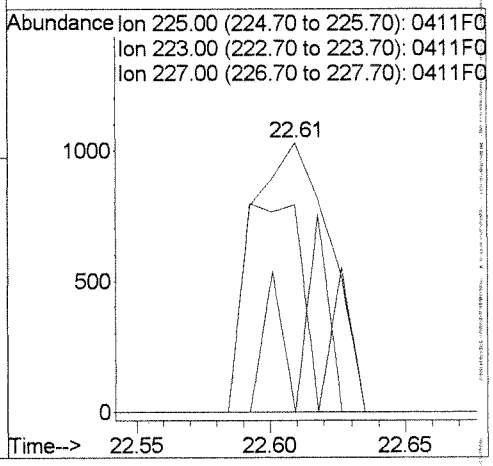


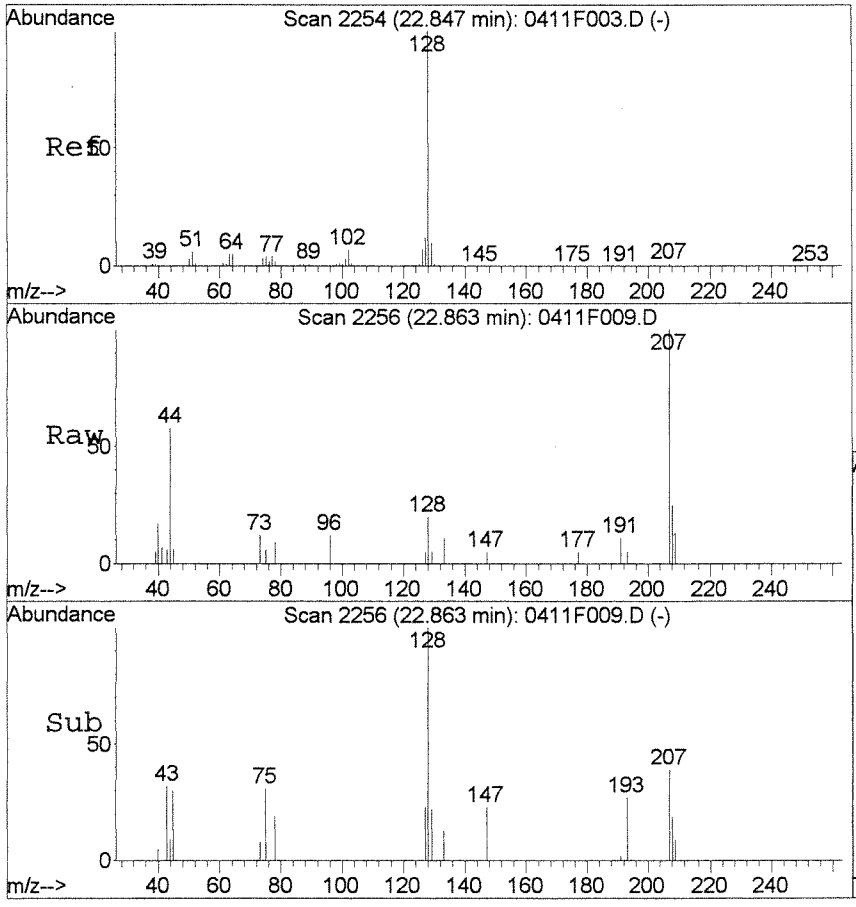


#104
Hexachlorobutadiene
Concen: 0.08 PPB
RT: 22.61 min Scan# 2226
Delta R.T. 0.01 min
Lab File: 0411F009.D
Acq: 11 Apr 2008 1:17 pm

Tgt Ion:225 Resp: 2045

Ion	Ratio	Lower	Upper
225	100		
223	0.0	33.5	93.5#
227	76.9	31.5	91.5

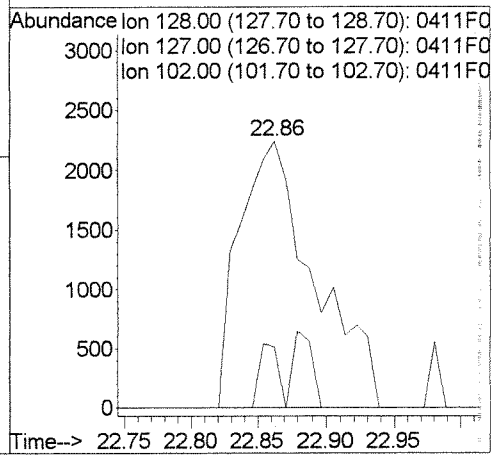


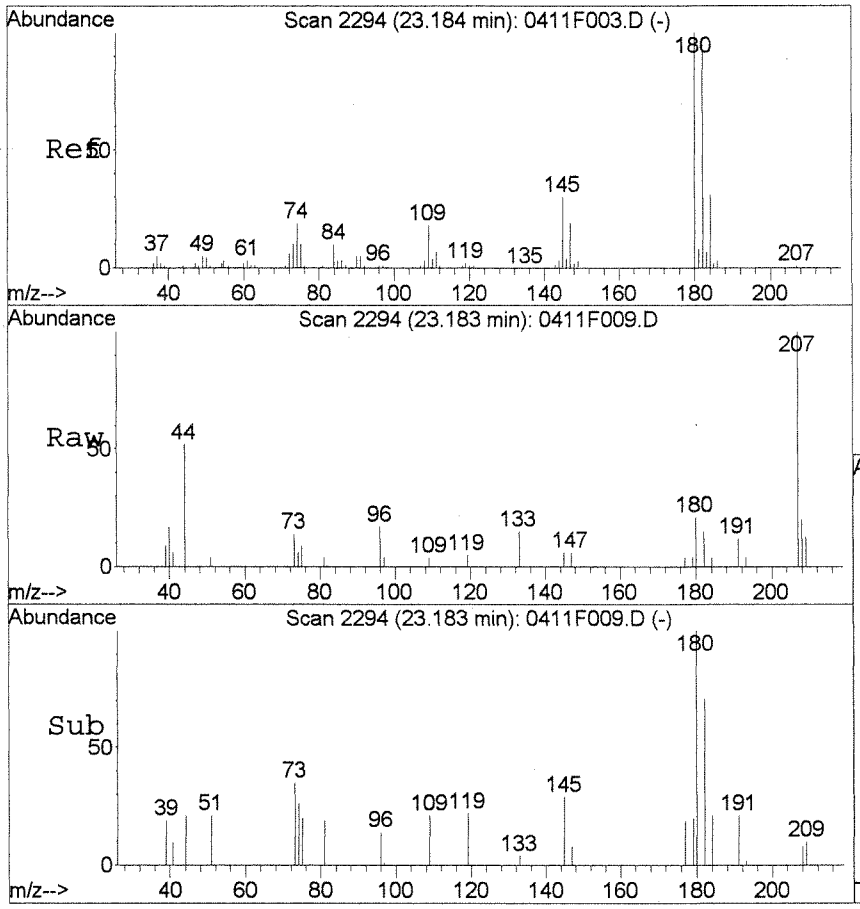


#105
Naphthalene
Concen: 0.13 PPB
RT: 22.86 min Scan# 2256
Delta R.T. 0.02 min
Lab File: 0411F009.D
Acq: 11 Apr 2008 1:17 pm

Tgt Ion:128 Resp: 8688

Ion	Ratio	Lower	Upper
128	100		
127	23.0	0.0	42.1
102	0.0	0.0	37.5

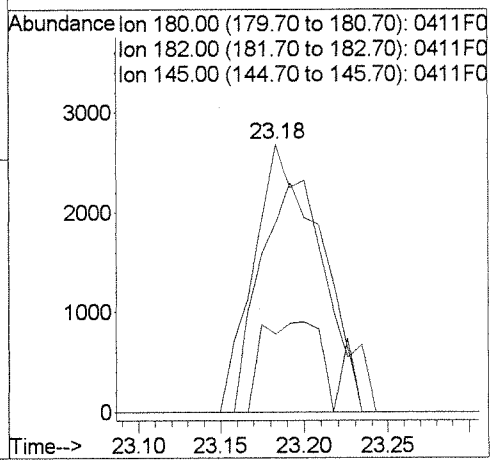




#106
1,2,3-Trichlorobenzene
Concen: 0.20 PPB
RT: 23.18 min Scan# 2294
Delta R.T. -0.00 min
Lab File: 0411F009.D
Acq: 11 Apr 2008 1:17 pm

Tgt Ion:180 Resp: 7579

Ion	Ratio	Lower	Upper
180	100		
182	70.8	64.6	124.6
145	29.0	0.4	60.4



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: KEP-GW-020A-003MS
Lab Code: KWG0803341-1

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	10.7		0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
Chloromethane	9.22		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Vinyl Chloride	10.9		0.50	0.042	1	04/11/08	04/11/08	KWG0803341	
Bromomethane	10.5		0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
Chloroethane	9.67		0.50	0.23	1	04/11/08	04/11/08	KWG0803341	
Trichlorofluoromethane	13.1		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Acetone	53.9		20	4.1	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethene	16.6		0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
Carbon Disulfide	21.0		0.50	0.16	1	04/11/08	04/11/08	KWG0803341	
Methylene Chloride	9.55		2.0	0.20	1	04/11/08	04/11/08	KWG0803341	
trans-1,2-Dichloroethene	11.1		0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethane	10.9		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
2-Butanone (MEK)	50.5		20	2.3	1	04/11/08	04/11/08	KWG0803341	*
2,2-Dichloropropane	13.9		0.50	0.18	1	04/11/08	04/11/08	KWG0803341	
cis-1,2-Dichloroethene	11.0		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Chloroform	11.7		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromochloromethane	10.7		0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
1,1,1-Trichloroethane (TCA)	13.3		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	*
1,1-Dichloropropene	12.2		0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
Carbon Tetrachloride	13.6		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloroethane (EDC)	12.7		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Benzene	10.7		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Trichloroethene (TCE)	11.9		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloropropane	10.0		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromodichloromethane	12.2		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Dibromomethane	10.8		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
2-Hexanone	51.4		20	4.0	1	04/11/08	04/11/08	KWG0803341	
cis-1,3-Dichloropropene	11.6		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Toluene	11.5		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
trans-1,3-Dichloropropene	10.5		0.50	0.090	1	04/11/08	04/11/08	KWG0803341	
1,1,2-Trichloroethane	10.2		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
4-Methyl-2-pentanone (MIBK)	51.2		20	2.7	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichloropropane	9.97		0.50	0.15	1	04/11/08	04/11/08	KWG0803341	

Comments:

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: KEP-GW-020A-003MS
Lab Code: KWG0803341-1

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)	**11.5**		0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
Dibromochloromethane	**10.5**		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromoethane (EDB)	**10.2**		2.0	0.099	1	04/11/08	04/11/08	KWG0803341	
Chlorobenzene	**10.3**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,1,1,2-Tetrachloroethane	**10.6**		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Ethylbenzene	**10.7**		0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
m,p-Xylenes	**21.9**		0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
o-Xylene	**11.2**		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Styrene	**11.1**		0.50	0.095	1	04/11/08	04/11/08	KWG0803341	
Bromoform	**12.2**		0.50	0.28	1	04/11/08	04/11/08	KWG0803341	
Isopropylbenzene	**10.5**		2.0	0.11	1	04/11/08	04/11/08	KWG0803341	
1,1,2,2-Tetrachloroethane	**8.82**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichloropropane	**9.34**		0.50	0.24	1	04/11/08	04/11/08	KWG0803341	
Bromobenzene	**10.2**		2.0	0.18	1	04/11/08	04/11/08	KWG0803341	
n-Propylbenzene	**10.3**		2.0	0.098	1	04/11/08	04/11/08	KWG0803341	
2-Chlorotoluene	**10.0**		2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
4-Chlorotoluene	**9.75**		2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trimethylbenzene	**9.93**		2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
tert-Butylbenzene	**10.3**		2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trimethylbenzene	**10.1**		2.0	0.15	1	04/11/08	04/11/08	KWG0803341	
sec-Butylbenzene	**10.9**		2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichlorobenzene	**9.97**		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
4-Isopropyltoluene	**10.0**		2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,4-Dichlorobenzene	**9.56**		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
n-Butylbenzene	**10.2**		2.0	0.23	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichlorobenzene	**9.90**		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromo-3-chloropropane	**10.3**		2.0	1.0	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trichlorobenzene	**10.7**		2.0	0.22	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichlorobenzene	**11.1**		2.0	0.33	1	04/11/08	04/11/08	KWG0803341	
Naphthalene	**10.6**		2.0	0.29	1	04/11/08	04/11/08	KWG0803341	
Hexachlorobutadiene	**10.4**		2.0	0.28	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trichlorobenzene	**46.1**		5.0	0.35	1	04/11/08	04/11/08	KWG0803341	

* See Case Narrative

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802796
Project:	Kuhlman Electric	**Date Collected:**	03/28/2008
Sample Matrix:	Water	**Date Received:**	04/01/2008

Volatile Organic Compounds

Sample Name:	KEP-GW-020A-003MS	**Units:**	ug/L
Lab Code:	KWG0803341-1	**Basis:**	NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	109	75-120	04/11/08	Acceptable
Toluene-d8	120	80-128	04/11/08	Acceptable
4-Bromofluorobenzene	110	75-117	04/11/08	Acceptable

Comments:

Exception Report

Data File: J:\MS04\DATA\041108\0411F005.D
Lab ID: KWG0803341-1 -- K0802796-001MS
RunType: MS
Matrix: WATER

Date Acquired: 04/11/2008 11:09
Date Quantitated: 04/11/2008 12:05
Batch ID: KWG0803340
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	0.0007	0.01	NA	NT
	tert-Butyl Alcohol	0.0067	0.01	NA	1
	Isobutyl Alcohol	0.0027	0.01	NA	
	2-Butanone (MEK)	0.0099	0.01	NA	MRL check
Continuing Calibration Recovery	Tetrahydrofuran	203.5	NA	30	NT
	2-Nitropropane	34.3	NA	30	
Continuing Calibration Minimum RF	1,4-Dioxane	0.0010	0.01	NA	
	tert-Butyl Alcohol	0.0062	0.01	NA	
	Isobutyl Alcohol	0.0029	0.01	NA	

Primary Review: HC 4-11-08
Secondary Review: F-A-h 4/14/8

Printed: 04/11/2008 15:52:41
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8260B VOC_FP	**Collect Date:**		**Receive Date:**	04/11/2008

Analysis Lot:	KWG0803340	**Prep Lot:**	KWG0803341	**Report Group:**	
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	700863	**Prep Date:**	04/11/2008		

Quant Method:	J:\MS04\METHODS\101007MS04-8	**Calibration ID:**	CAL6696
Title:			
Tune Ref:	J:\MS04\DATA\041108\0411F002.D	**Method ID:**	MJ119
MB Ref:	J:\MS04\DATA\041108\0411F009.D	**Quant based on Method**	

Data File:	J:\MS04\DATA\041108\0411F005.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 11:09	**Quant Date:**	04/11/2008 12:05	**Vial:**	5
Run Type:	MS			**Dilution:**	1.0
Lab ID:	KWG0803341-1 -- K0802796-001MS			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	13.12	0.00	96	2035876	10.00	OK
2	Chlorobenzene-d5	17.39	0.00	117	1563004	10.00	OK
3	1,4-Dichlorobenzene-d4	20.03	0.00	152	857805	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	11.99	0.00	0.00	113	579846	10.85	109	75-120	OK	
1	1,2-Dichloroethane-d4	12.59	0.00	0.00	65	431737	11.86	119	62-121	OK	
1	Toluene-d8	15.45	0.00	0.00	98	1861566	12.04	120	80-128	OK	
2	4-Bromofluorobenzene	18.74	0.00	0.00	95	680060	10.95	110	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	4.77		0.00	85	644191	10.70	10.7		
1	Chloromethane	5.25		0.00	50	722465	9.22	9.22		
1	Vinyl Chloride	5.52		0.00	62	709254	10.87	10.9		
1	Bromomethane	6.31		0.00	94	483751	10.46	10.5		
1	Chloroethane	6.52		0.00	64	471237	9.67	9.67		
1	Dichlorofluoromethane (CFC 21	6.90		0.00	67	1444154	12.69	12.7		
1	Trichlorofluoromethane	7.04		0.00	101	954931	13.12	13.1		
1	Ethyl Ether	7.56		0.00	59	294477	9.79	9.79		
1	Trichlorotrifluoroethane	8.01		0.00	151	565139	12.05	12.1		
1	1,1-Dichloroethene	8.05	-0.01	0.00	96	829356	16.63	16.6		
1	Acetone	8.11		0.00	43	284490	53.89	53.9		
1	Iodomethane	8.39		0.00	127	1080083m	35.31	35.3		
1	Carbon Disulfide	8.54		0.00	76	4343527	20.99	21.0		
1	Acrolein	7.85		0.00	56	424232	103.07	103		

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:\MS04\DATA\041108\0411F005.D		**Instrument:** MS04
Acqu Date:	04/11/2008 11:09	**Quant Date:** 04/11/2008 12:05	**Vial:** 5
Run Type:	MS		**Dilution:** 1.0
Lab ID:	KWG0803341-1 -- K0802796-001MS		**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	8.70	0.01	0.00	41	2843468	32.54	32.5		
1	Acetonitrile	8.64		0.00	41	789997	260.78	261		
1	Methylene Chloride	8.92		0.00	84	679531	9.55	9.55		
1	tert-Butyl Alcohol	8.98		0.00	59	162988	119.98	120		
1	Methyl tert-Butyl Ether	9.34		0.00	73	887145	11.09	11.1		
1	trans-1,2-Dichloroethene	9.40		0.00	96	712444	11.13	11.1		
1	n-Hexane	9.82		0.00	57	2573691	35.33	35.3		
1	1,1-Dichloroethane	10.15		0.00	63	1110577	10.88	10.9		
1	Vinyl Acetate	10.14		0.00	86	206480	31.56	31.6		
1	Acrylonitrile	9.34		0.00	53	351893	38.84	38.8		
1	Diisopropyl Ether	10.14		0.00	45	3281826	20.50	20.5		
1	Chloroprene	10.31		0.00	88	1840249	41.88	41.9		
1	tert-Butyl Ethyl Ether	10.80		0.00	59	2506292	22.45	22.5		
1	2,2-Dichloropropane	11.21	-0.01	0.00	77	963613	13.90	13.9		
1	Ethyl Acetate	11.19		0.00	70	63499	24.87	24.9		
1	cis-1,2-Dichloroethene	11.19		0.00	96	724018	11.02	11.0		
1	2-Butanone (MEK)	11.16		0.00	72	102145	50.52	50.5		
1	Propionitrile	11.31		0.00	54	85778	30.07	30.1		
1	Methacrylonitrile	11.57		0.00	67	299540	31.40	31.4		
1	Bromochloromethane	11.64		0.00	128	329634	10.65	10.7		
1	Chloroform	11.72	0.01	0.00	83	1109778	11.67	11.7		
1	tert-Butyl Formate	11.79	-0.01	0.00	59	528168	25.89	25.9		
1	Tetrahydrofuran	11.70	-0.01	0.00	42	107070	21.12	21.1		
1	1,1,1-Trichloroethane (TCA)	12.09		0.00	97	924379	13.26	13.3		
1	Isobutyl Alcohol	12.31		0.00	43	182441	330.93	331		
1	Carbon Tetrachloride	12.36	-0.01	0.00	117	811759	13.64	13.6		
1	1,1-Dichloropropene	12.34	-0.01	0.00	75	901956	12.22	12.2		
1	tert-Amyl Methyl Ether	12.77		0.00	55	481069	22.60	22.6		
1	Benzene	12.71		0.00	78	2365357	10.66	10.7		
1	1,2-Dichloroethane (EDC)	12.72		0.00	62	611526	12.73	12.7		
1	Trichloroethene (TCE)	13.67	-0.01	0.00	95	660537	11.85	11.9		
1	Methyl Methacrylate	14.07		0.00	69	502012	33.77	33.8		
1	1,2-Dichloropropane	14.04		0.00	63	533042	10.01	10.0		
1	1,4-Dioxane	14.20	0.01	0.00	88	61733	407.17	407		
1	Dibromomethane	14.24		0.00	93	291088	10.80	10.8		
1	Bromodichloromethane	14.42		0.00	83	738803	12.21	12.2		
1	2-Chloroethyl Vinyl Ether				63	0d		0.34	U	
1	2-Nitropropane	14.74		0.00	41	171179	38.71	38.7		
1	cis-1,3-Dichloropropene	15.06		0.00	75	820475	11.58	11.6		
1	4-Methyl-2-pentanone (MIBK)	15.22		0.00	100	139885	51.20	51.2		
1	Toluene	15.56	0.01	0.00	92	1536129	11.52	11.5		
2	Ethyl Methacrylate	15.83		0.00	69	1117589	33.59	33.6		

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
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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:\MS04\DATA\041108\0411F005.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 11:09	**Quant Date:**	04/11/2008 12:05	**Vial:**	5
Run Type:	MS			**Dilution:**	1.0
Lab ID:	KWG0803341-1 -- K0802796-001MS			**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	n-Octane	15.57		0.00	85	895314	23.70	23.7		
2	trans-1,3-Dichloropropene	15.81		0.00	75	584588	10.49	10.5		
2	1,1,2-Trichloroethane	16.09		0.00	83	299266	10.15	10.2		
2	Tetrachloroethene (PCE)	16.31		0.00	164	642718	11.54	11.5		
2	2-Hexanone	16.34		0.00	57	103437	51.38	51.4		
2	1,3-Dichloropropane	16.32		0.00	76	630861	9.97	9.97		
2	Dibromochloromethane	16.65		0.00	129	492733	10.53	10.5		
2	1,2-Dibromoethane (EDB)	16.84		0.00	107	378528	10.20	10.2		
2	1-Chlorohexane	17.29		0.00	55	569600	11.53	11.5		
2	Chlorobenzene	17.42		0.00	112	1703572	10.30	10.3		
2	Ethylbenzene	17.50		0.00	106	873204	10.72	10.7		
2	1,1,1,2-Tetrachloroethane	17.50		0.00	131	568657	10.62	10.6		
2	m,p-Xylenes	17.63		0.00	106	2264905	21.91	21.9		
2	o-Xylene	18.13		0.00	106	1068414	11.20	11.2		
2	Styrene	18.14		0.00	104	1716252	11.06	11.1		
2	Bromoform	18.42		0.00	173	285537	12.15	12.2		
2	Isopropylbenzene	18.53		0.00	105	2595174	10.47	10.5		
3	cis-1,4-Dichloro-2-butene	18.59		0.00	88	294867	39.69	39.7		
3	1,1,2,2-Tetrachloroethane	18.85		0.00	83	345468	8.82	8.82		
3	Bromobenzene	18.95		0.00	156	771641	10.19	10.2		
3	n-Propylbenzene	18.97		0.00	91	3394036	10.26	10.3		
3	trans-1,4-Dichloro-2-butene	18.91	0.01	0.00	53	265831	36.48	36.5		
3	1,2,3-Trichloropropane	18.93		0.00	110	100259	9.34	9.34		
3	2-Chlorotoluene	19.12		0.00	91	2148817	10.02	10.0		
3	1,3,5-Trimethylbenzene	19.14		0.00	105	2210236	9.93	9.93		
3	4-Chlorotoluene	19.23		0.00	91	1928034	9.75	9.75		
3	tert-Butylbenzene	19.53		0.00	134	562717	10.28	10.3		
3	1,2,4-Trimethylbenzene	19.57		0.00	105	2198389	10.14	10.1		
3	sec-Butylbenzene	19.77		0.00	105	3115340	10.93	10.9		
3	4-Isopropyltoluene	19.89		0.00	119	2493670	10.01	10.0		
3	1,3-Dichlorobenzene	19.96		0.00	146	1419170	9.97	9.97		
3	1,4-Dichlorobenzene	20.05		0.00	146	1403466	9.56	9.56		
3	n-Butylbenzene	20.36		0.00	91	2173893	10.22	10.2		
3	1,2-Dichlorobenzene	20.50		0.00	146	1181134	9.90	9.90		
3	1,2-Dibromo-3-chloropropane	21.40	-0.01	0.00	157	59780	10.32	10.3		
3	1,3,5-Trichlorobenzene	21.63		0.00	180	3800275	46.12	46.1		
3	1,2,4-Trichlorobenzene	22.45		0.00	180	622657	10.73	10.7		
3	Hexachlorobutadiene	22.60		0.00	225	288753	10.38	10.4		
3	Naphthalene	22.85		0.00	128	721877	10.61	10.6		
3	1,2,3-Trichlorobenzene	23.18		0.00	180	429727	11.08	11.1		
	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:\MS04\DATA\041108\0411F005.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 11:09	**Quant Date:**	04/11/2008 12:05	**Vial:**	5
Run Type:	MS			**Dilution:**	1.0
Lab ID:	KWG0803341-1 -- K0802796-001MS			**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

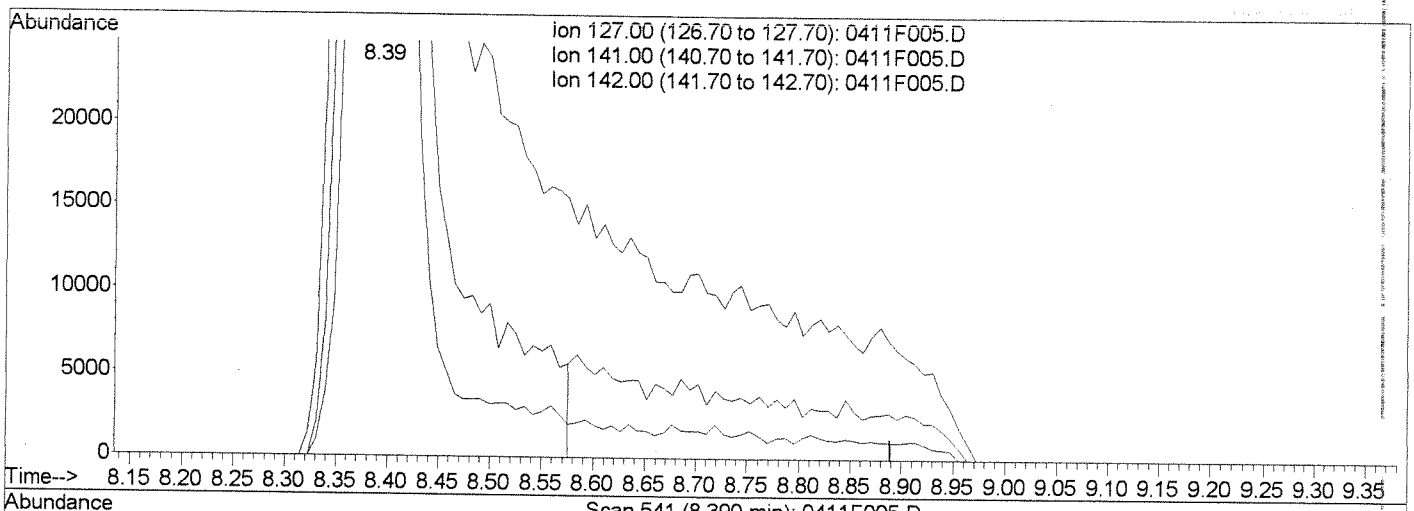
Quantitation Report (Qedit)

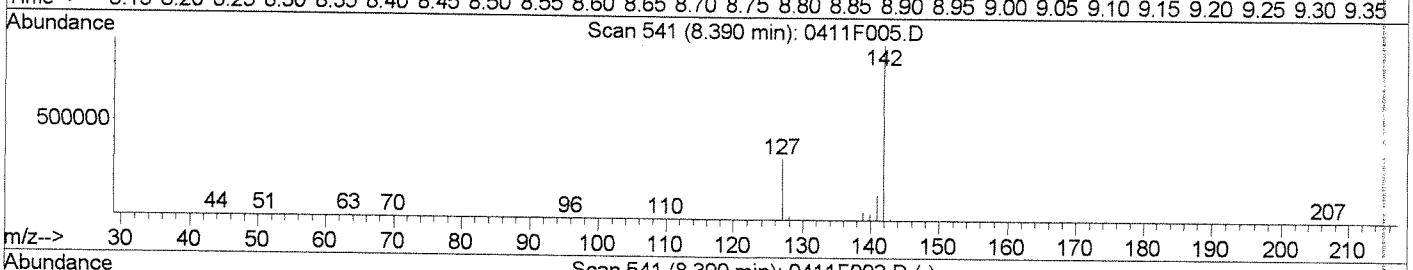
Data File : J:\MS04\DATA\041108\0411F005.D
Acq On : 11 Apr 2008 11:09 am
Sample : K0802796-001MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 12:04 2008

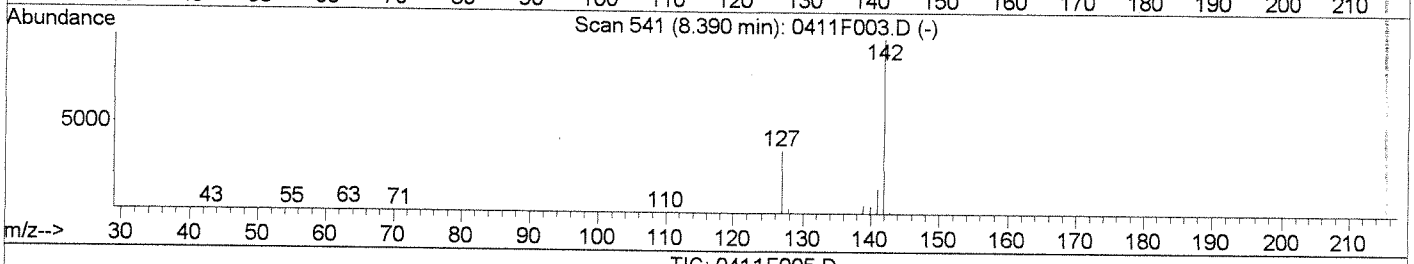
Vial: 5
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Single Level Calibration







TIC: 0411F005.D

(13) Iodomethane (T)

8.39min 32.73PPB

response 1001283

Ion	Exp%	Act%
127.00	100	100
141.00	39.50	41.89
142.00	279.40	289.72
0.00	0.00	0.00

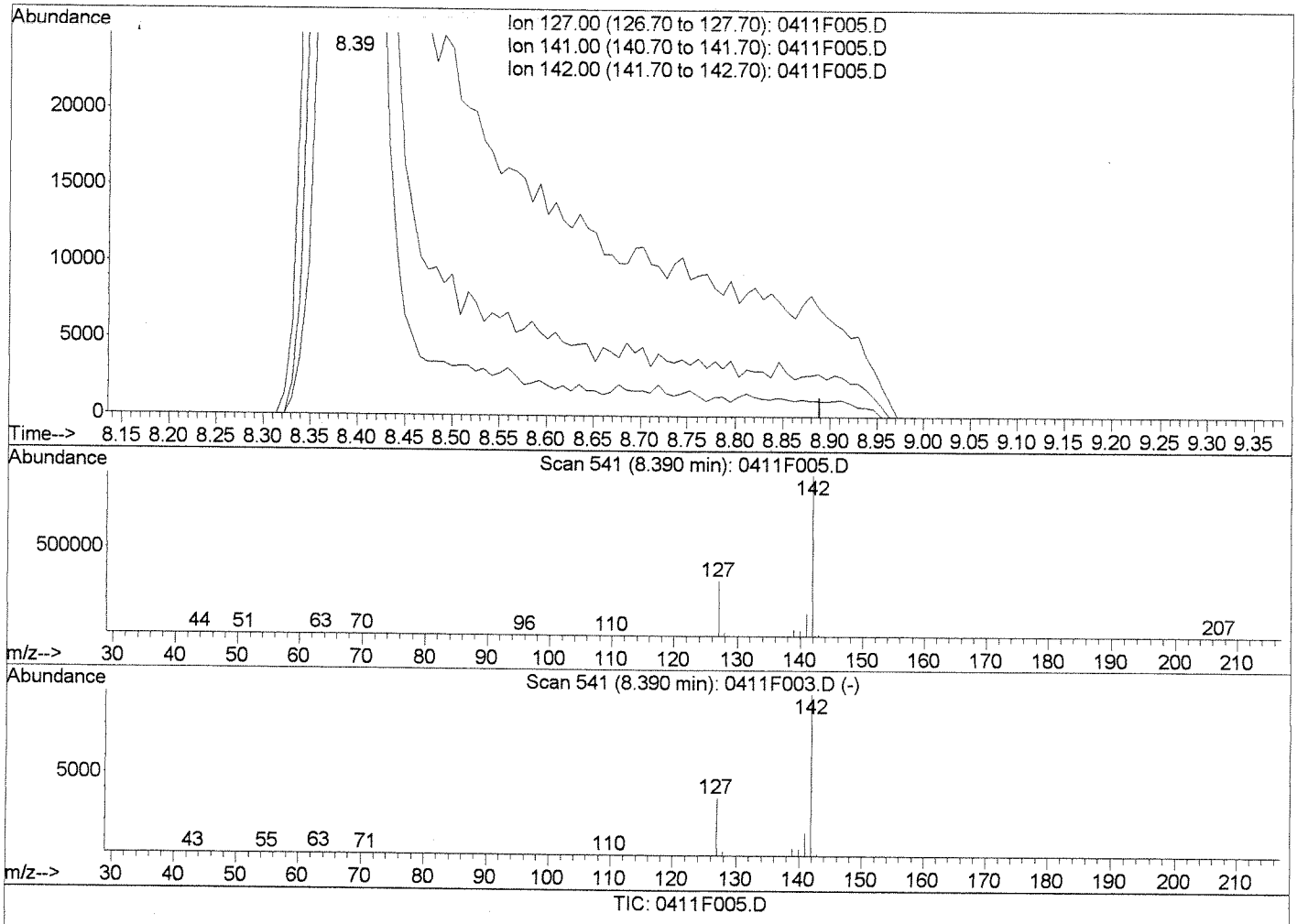
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\041108\0411F005.D
Acq On : 11 Apr 2008 11:09 am
Sample : K0802796-001MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 12:04 2008

Vial: 5
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Single Level Calibration



TIC: 0411F005.D

(13) Iodomethane (T)

8.39min 35.31PPB m

response 1080083

Ion	Exp%	Act%
127.00	100	100
141.00	39.50	41.89
142.00	279.40	289.72
0.00	0.00	0.00

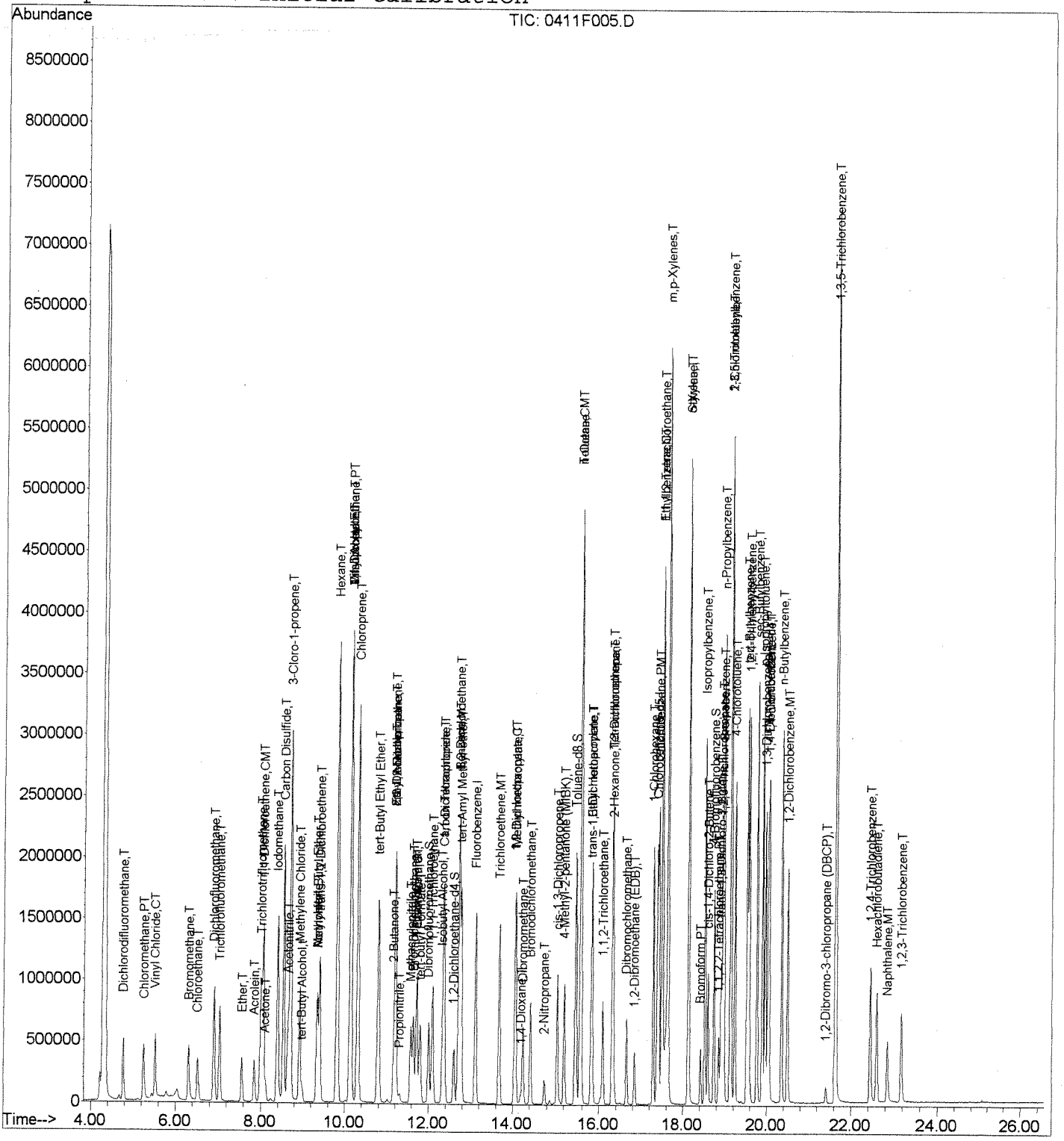
Peak Tailing
HC 4.11.08
P.A-h. 4/14/8

0411F005.D 101007MS04-8260.M Fri Apr 11 12:04:48 2008

Quantitation Report (QT Reviewed)

Data File : J:\MS04\DATA\041108\0411F005.D Vial: 5
Acq On : 11 Apr 2008 11:09 am Operator: HC
Sample : K0802796-001MS Inst : MS04
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 11 12:05 2008 Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Initial Calibration



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: KEP-GW-020A-003DMS
Lab Code: KWG0803341-2

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	**9.49**		0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
Chloromethane	**8.57**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Vinyl Chloride	**10.1**		0.50	0.042	1	04/11/08	04/11/08	KWG0803341	
Bromomethane	**10.3**		0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
Chloroethane	**8.97**		0.50	0.23	1	04/11/08	04/11/08	KWG0803341	
Trichlorofluoromethane	**12.1**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Acetone	**54.5**		20	4.1	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethene	**15.5**		0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
Carbon Disulfide	**19.6**		0.50	0.16	1	04/11/08	04/11/08	KWG0803341	
Methylene Chloride	**9.11**		2.0	0.20	1	04/11/08	04/11/08	KWG0803341	
trans-1,2-Dichloroethene	**10.6**		0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethane	**10.5**		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
2-Butanone (MEK)	**52.7**		20	2.3	1	04/11/08	04/11/08	KWG0803341	*
2,2-Dichloropropane	**13.0**		0.50	0.18	1	04/11/08	04/11/08	KWG0803341	
cis-1,2-Dichloroethene	**10.5**		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Chloroform	**11.2**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromochloromethane	**10.3**		0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
1,1,1-Trichloroethane (TCA)	**12.4**		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	*
1,1-Dichloropropene	**11.4**		0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
Carbon Tetrachloride	**12.7**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloroethane (EDC)	**12.3**		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Benzene	**10.2**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Trichloroethene (TCE)	**11.3**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloropropane	**9.69**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromodichloromethane	**11.8**		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Dibromomethane	**10.6**		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
2-Hexanone	**51.8**		20	4.0	1	04/11/08	04/11/08	KWG0803341	
cis-1,3-Dichloropropene	**11.1**		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Toluene	**11.0**		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
trans-1,3-Dichloropropene	**10.3**		0.50	0.090	1	04/11/08	04/11/08	KWG0803341	
1,1,2-Trichloroethane	**9.91**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
4-Methyl-2-pentanone (MIBK)	**49.6**		20	2.7	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichloropropane	**9.69**		0.50	0.15	1	04/11/08	04/11/08	KWG0803341	

Comments:

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: KEP-GW-020A-003DMS
Lab Code: KWG0803341-2

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)	**11.0**		0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
Dibromochloromethane	**10.4**		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromoethane (EDB)	**10.1**		2.0	0.099	1	04/11/08	04/11/08	KWG0803341	
Chlorobenzene	**9.98**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,1,1,2-Tetrachloroethane	**10.9**		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Ethylbenzene	**10.7**		0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
m,p-Xylenes	**21.6**		0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
o-Xylene	**10.9**		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Styrene	**10.9**		0.50	0.095	1	04/11/08	04/11/08	KWG0803341	
Bromoform	**11.9**		0.50	0.28	1	04/11/08	04/11/08	KWG0803341	
Isopropylbenzene	**10.1**		2.0	0.11	1	04/11/08	04/11/08	KWG0803341	
1,1,2,2-Tetrachloroethane	**8.75**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichloropropane	**9.45**		0.50	0.24	1	04/11/08	04/11/08	KWG0803341	
Bromobenzene	**9.76**		2.0	0.18	1	04/11/08	04/11/08	KWG0803341	
n-Propylbenzene	**9.87**		2.0	0.098	1	04/11/08	04/11/08	KWG0803341	
2-Chlorotoluene	**9.69**		2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
4-Chlorotoluene	**9.46**		2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trimethylbenzene	**9.62**		2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
tert-Butylbenzene	**9.89**		2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trimethylbenzene	**9.86**		2.0	0.15	1	04/11/08	04/11/08	KWG0803341	
sec-Butylbenzene	**10.5**		2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichlorobenzene	**9.66**		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
4-Isopropyltoluene	**9.64**		2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,4-Dichlorobenzene	**9.30**		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
n-Butylbenzene	**9.93**		2.0	0.23	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichlorobenzene	**9.63**		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromo-3-chloropropane	**10.8**		2.0	1.0	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trichlorobenzene	**10.5**		2.0	0.22	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichlorobenzene	**11.1**		2.0	0.33	1	04/11/08	04/11/08	KWG0803341	
Naphthalene	**10.5**		2.0	0.29	1	04/11/08	04/11/08	KWG0803341	
Hexachlorobutadiene	**9.86**		2.0	0.28	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trichlorobenzene	**44.8**		5.0	0.35	1	04/11/08	04/11/08	KWG0803341	

* See Case Narrative

Comments:

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

Volatile Organic Compounds

Sample Name: KEP-GW-020A-003DMS
Lab Code: KWG0803341-2

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	107	75-120	04/11/08	Acceptable
Toluene-d8	121	80-128	04/11/08	Acceptable
4-Bromofluorobenzene	111	75-117	04/11/08	Acceptable

Comments:

Exception Report

Data File: J:\MS04\DATA\041108\0411F006.D
Lab ID: KWG0803341-2 -- K0802796-001DMS
RunType: DMS
Matrix: WATER

Date Acquired: 04/11/2008 11:41
Date Quantitated: 04/11/2008 13:13
Batch ID: KWG0803340
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	0.0007	0.01	NA	NT
	tert-Butyl Alcohol	0.0067	0.01	NA	1
	Isobutyl Alcohol	0.0027	0.01	NA	1
	2-Butanone (MEK)	0.0099	0.01	NA	MRL check
Continuing Calibration Recovery	Tetrahydrofuran	203.5	NA	30	NT
	2-Nitropropane	34.3	NA	30	1
Continuing Calibration Minimum RF	1,4-Dioxane	0.0010	0.01	NA	1
	tert-Butyl Alcohol	0.0062	0.01	NA	1
	Isobutyl Alcohol	0.0029	0.01	NA	1

Primary Review: HC 4.11.08
Secondary Review: EA-h 4/14/8

Printed: 04/11/2008 15:52:45
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8260B VOC_FP	**Collect Date:**		**Receive Date:**	04/11/2008

Analysis Lot:	KWG0803340	**Prep Lot:**	KWG0803341	**Report Group:**	
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	700864	**Prep Date:**	04/11/2008		

Quant Method:	J:\MS04\METHODS\101007MS04-8	**Calibration ID:**	CAL6696
Title:			
Tune Ref:	J:\MS04\DATA\041108\0411F002.D	**Method ID:**	MJ119
MB Ref:	J:\MS04\DATA\041108\0411F009.D	**Quant based on Method**	

Data File:	J:\MS04\DATA\041108\0411F006.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 11:41	**Quant Date:**	04/11/2008 13:13	**Vial:**	6
Run Type:	DMS			**Dilution:**	1.0
Lab ID:	KWG0803341-2 -- K0802796-001DMS			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	13.11	-0.01	96	2062716	10.00	OK
2	Chlorobenzene-d5	17.38	-0.01	117	1571201	10.00	OK
3	1,4-Dichlorobenzene-d4	20.03	0.00	152	866277	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	12.00	0.01	0.00	113	580912	10.73	107	75-120	OK	
1	1,2-Dichloroethane-d4	12.60	0.01	0.00	65	435035	11.79	118	62-121	OK	
1	Toluene-d8	15.46	0.01	0.00	98	1888649	12.05	121	80-128	OK	
2	4-Bromofluorobenzene	18.73	-0.01	0.00	95	694066	11.12	111	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	4.77		0.00	85	578622	9.49	9.49		
1	Chloromethane	5.25		0.00	50	680288	8.57	8.57		
1	Vinyl Chloride	5.52		0.00	62	666413	10.08	10.1		
1	Bromomethane	6.30	-0.01	0.00	94	482432	10.29	10.3		
1	Chloroethane	6.52		0.00	64	442917	8.97	8.97		
1	Dichlorofluoromethane (CFC 21	6.90		0.00	67	1370927	11.89	11.9		
1	Trichlorofluoromethane	7.04		0.00	101	894977	12.14	12.1		
1	Ethyl Ether	7.56		0.00	59	289483	9.49	9.49		
1	Trichlorotrifluoroethane	8.01		0.00	151	525273	11.05	11.1		
1	1,1-Dichloroethene	8.06		0.00	96	784922	15.54	15.5		
1	Acetone	8.11		0.00	43	291574	54.51	54.5		
1	Iodomethane	8.39		0.00	127	1049054m	33.85	33.9		
1	Carbon Disulfide	8.54		0.00	76	4115086	19.62	19.6		
1	Acrolein	7.86	0.01	0.00	56	437863	105.00	105		

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:\MS04\DATA\041108\0411F006.D		**Instrument:** MS04
Acqu Date:	04/11/2008 11:41	**Quant Date:** 04/11/2008 13:13	**Vial:** 6
Run Type:	DMS		**Dilution:** 1.0
Lab ID:	KWG0803341-2 -- K0802796-001DMS		**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	8.70	0.01	0.00	41	2813192**m**	31.77	31.8		
1	Acetonitrile	8.64		0.00	41	758473**m**	247.11	247		
1	Methylene Chloride	8.92		0.00	84	656896	9.11	9.11		
1	tert-Butyl Alcohol	8.98		0.00	59	167236	121.51	122		
1	Methyl tert-Butyl Ether	9.34		0.00	73	882508	10.88	10.9		
1	trans-1,2-Dichloroethene	9.40		0.00	96	683926	10.55	10.6		
1	n-Hexane	9.82		0.00	57	2403911	32.57	32.6		
1	1,1-Dichloroethane	10.15		0.00	63	1080782	10.45	10.5		
1	Vinyl Acetate	10.13	-0.01	0.00	86	207221	31.26	31.3		
1	Acrylonitrile	9.34		0.00	53	353592	38.52	38.5		
1	Diisopropyl Ether	10.13	-0.01	0.00	45	3251937	20.05	20.1		
1	Chloroprene	10.30	-0.01	0.00	88	1748052	39.26	39.3		
1	tert-Butyl Ethyl Ether	10.79	-0.01	0.00	59	2512434	22.21	22.2		
1	2,2-Dichloropropane	11.21	-0.01	0.00	77	915033	13.03	13.0		
1	Ethyl Acetate	11.19		0.00	70	65125	25.17	25.2		
1	cis-1,2-Dichloroethene	11.20	0.01	0.00	96	698191	10.49	10.5		
1	2-Butanone (MEK)	11.16		0.00	72	107866	52.65	52.7		
1	Propionitrile	11.31		0.00	54	85981	29.75	29.8		
1	Methacrylonitrile	11.58	0.01	0.00	67	301461	31.19	31.2		
1	Bromochloromethane	11.64		0.00	128	323715	10.32	10.3		
1	Chloroform	11.71		0.00	83	1079909	11.21	11.2		
1	tert-Butyl Formate	11.80		0.00	59	418011	20.22	20.2		
1	Tetrahydrofuran	11.70	-0.01	0.00	42	111267	21.66	21.7		
1	1,1,1-Trichloroethane (TCA)	12.09		0.00	97	877436	12.43	12.4		
1	Isobutyl Alcohol	12.32	0.01	0.00	43	180263	322.72	323		
1	Carbon Tetrachloride	12.37		0.00	117	762797	12.65	12.7		
1	1,1-Dichloropropene	12.35		0.00	75	852449	11.40	11.4		
1	tert-Amyl Methyl Ether	12.77		0.00	55	479313	22.22	22.2		
1	Benzene	12.71		0.00	78	2292868	10.20	10.2		
1	1,2-Dichloroethane (EDC)	12.72		0.00	62	598107	12.29	12.3		
1	Trichloroethene (TCE)	13.68		0.00	95	635081	11.25	11.3		
1	Methyl Methacrylate	14.07		0.00	69	497705	33.04	33.0		
1	1,2-Dichloropropane	14.05	0.01	0.00	63	522844	9.69	9.69		
1	1,4-Dioxane	14.19		0.00	88	61793	402.26	402		
1	Dibromomethane	14.24		0.00	93	288684	10.57	10.6		
1	Bromodichloromethane	14.42		0.00	83	723820	11.81	11.8		
1	2-Chloroethyl Vinyl Ether				63	0**d**		0.34	U	
1	2-Nitropropane	14.74		0.00	41	170662	38.09	38.1		
1	cis-1,3-Dichloropropene	15.05	-0.01	0.00	75	796020	11.08	11.1		
1	4-Methyl-2-pentanone (MIBK)	15.21	-0.01	0.00	100	137364	49.62	49.6		
1	Toluene	15.55		0.00	92	1487304	11.01	11.0		
2	Ethyl Methacrylate	15.83		0.00	69	1110702	33.21	33.2		

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:\MS04\DATA\041108\0411F006.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 11:41	**Quant Date:**	04/11/2008 13:13	**Vial:**	6
Run Type:	DMS			**Dilution:**	1.0
Lab ID:	KWG0803341-2 -- K0802796-001DMS			**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	n-Octane	15.57		0.00	85	826674	21.77	21.8		
2	trans-1,3-Dichloropropene	15.81		0.00	75	577080	10.31	10.3		
2	1,1,2-Trichloroethane	16.08	-0.01	0.00	83	293674	9.91	9.91		
2	Tetrachloroethene (PCE)	16.31		0.00	164	617238	11.03	11.0		
2	2-Hexanone	16.35	0.01	0.00	57	104787	51.78	51.8		
2	1,3-Dichloropropane	16.33	0.01	0.00	76	616528	9.69	9.69		
2	Dibromochloromethane	16.65		0.00	129	487037	10.35	10.4		
2	1,2-Dibromoethane (EDB)	16.84		0.00	107	378139	10.14	10.1		
2	1-Chlorohexane	17.29		0.00	55	541961	10.91	10.9		
2	Chlorobenzene	17.43	0.01	0.00	112	1659530	9.98	9.98		
2	Ethylbenzene	17.50		0.00	106	875386	10.69	10.7		
2	1,1,1,2-Tetrachloroethane	17.49	-0.01	0.00	131	585936	10.89	10.9		
2	m,p-Xylenes	17.64	0.01	0.00	106	2239583	21.55	21.6		
2	o-Xylene	18.13		0.00	106	1049655	10.94	10.9		
2	Styrene	18.13	-0.01	0.00	104	1705983	10.94	10.9		
2	Bromoform	18.42		0.00	173	281717	11.92	11.9		
2	Isopropylbenzene	18.52	-0.01	0.00	105	2513370	10.09	10.1		
3	cis-1,4-Dichloro-2-butene	18.60	0.01	0.00	88	288977	38.52	38.5		
3	1,1,2,2-Tetrachloroethane	18.85		0.00	83	346079	8.75	8.75		
3	Bromobenzene	18.95		0.00	156	746184	9.76	9.76		
3	n-Propylbenzene	18.98	0.01	0.00	91	3296662	9.87	9.87		
3	trans-1,4-Dichloro-2-butene	18.90		0.00	53	269049	36.56	36.6		
3	1,2,3-Trichloropropane	18.94	0.01	0.00	110	102402	9.45	9.45		
3	2-Chlorotoluene	19.13	0.01	0.00	91	2100488	9.69	9.69		
3	1,3,5-Trimethylbenzene	19.14		0.00	105	2163949	9.62	9.62		
3	4-Chlorotoluene	19.24	0.01	0.00	91	1889781	9.46	9.46		
3	tert-Butylbenzene	19.53		0.00	134	546703	9.89	9.89		
3	1,2,4-Trimethylbenzene	19.57		0.00	105	2158742	9.86	9.86		
3	sec-Butylbenzene	19.76	-0.01	0.00	105	3016968	10.48	10.5		
3	4-Isopropyltoluene	19.90	0.01	0.00	119	2425724	9.64	9.64		
3	1,3-Dichlorobenzene	19.96		0.00	146	1389007	9.66	9.66		
3	1,4-Dichlorobenzene	20.06	0.01	0.00	146	1378768	9.30	9.30		
3	n-Butylbenzene	20.35	-0.01	0.00	91	2131498	9.93	9.93		
3	1,2-Dichlorobenzene	20.50		0.00	146	1160044	9.63	9.63		
3	1,2-Dibromo-3-chloropropane	21.41		0.00	157	62866	10.75	10.8		
3	1,3,5-Trichlorobenzene	21.63		0.00	180	3726083	44.77	44.8		
3	1,2,4-Trichlorobenzene	22.45		0.00	180	615213	10.50	10.5		
3	Hexachlorobutadiene	22.60		0.00	225	276789	9.86	9.86		
3	Naphthalene	22.84	-0.01	0.00	128	722590	10.51	10.5		
3	1,2,3-Trichlorobenzene	23.18		0.00	180	436637	11.14	11.1		
	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
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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:\MS04\DATA\041108\0411F006.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 11:41	**Quant Date:**	04/11/2008 13:13	**Vial:**	6
Run Type:	DMS			**Dilution:**	1.0
Lab ID:	KWG0803341-2 -- K0802796-001DMS			**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

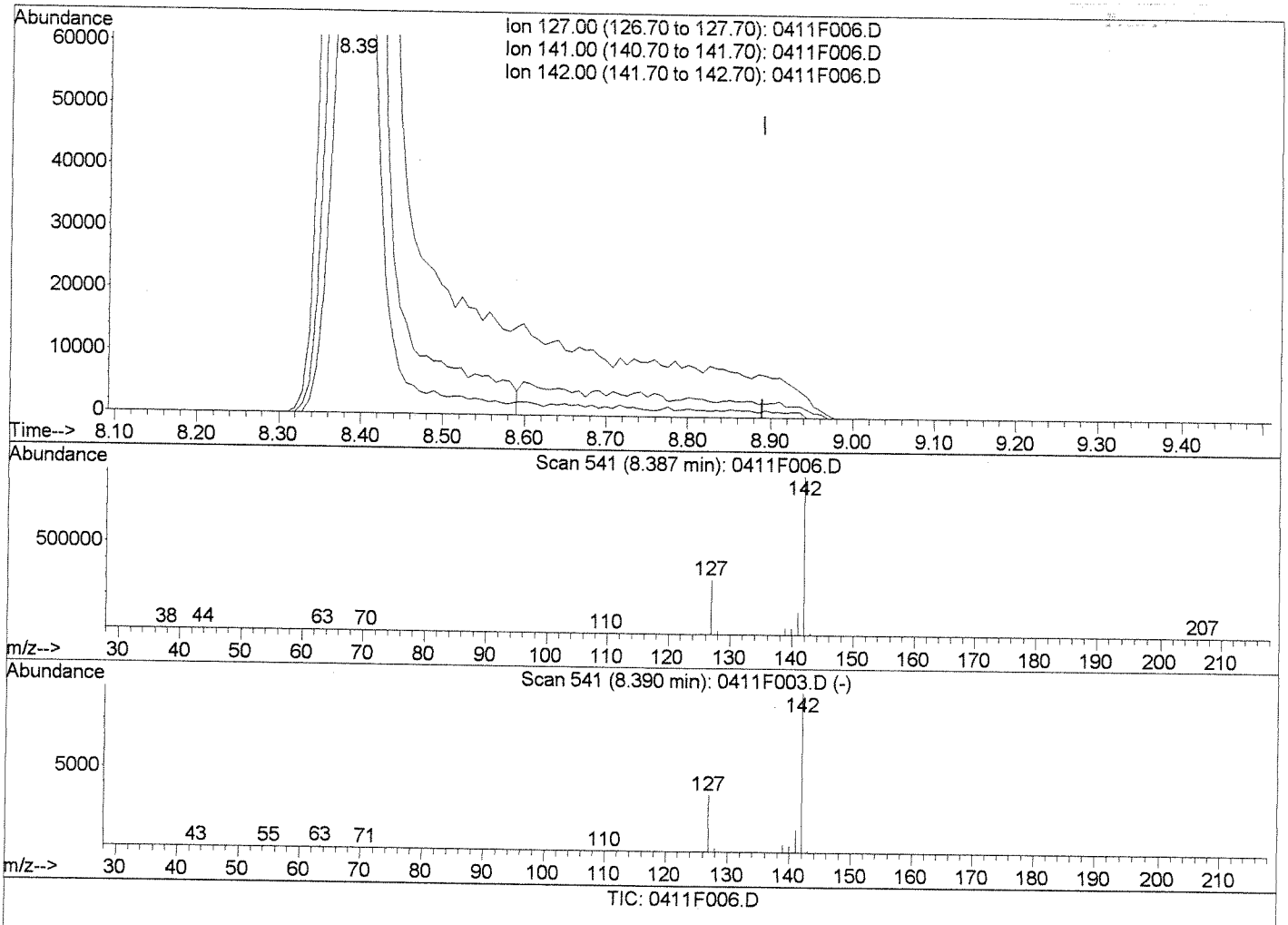
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\041108\0411F006.D
Acq On : 11 Apr 2008 11:41 am
Sample : K0802796-001DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 13:12 2008

Vial: 6
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Single Level Calibration



TIC: 0411F006.D

(13) Iodomethane (T)

8.39min 31.65PPB

response 980794

Ion	Exp%	Act%
127.00	100	100
141.00	39.50	41.52
142.00	279.40	290.24
0.00	0.00	0.00

0411F006.D 101007MS04-8260.M Fri Apr 11 13:12:49 2008

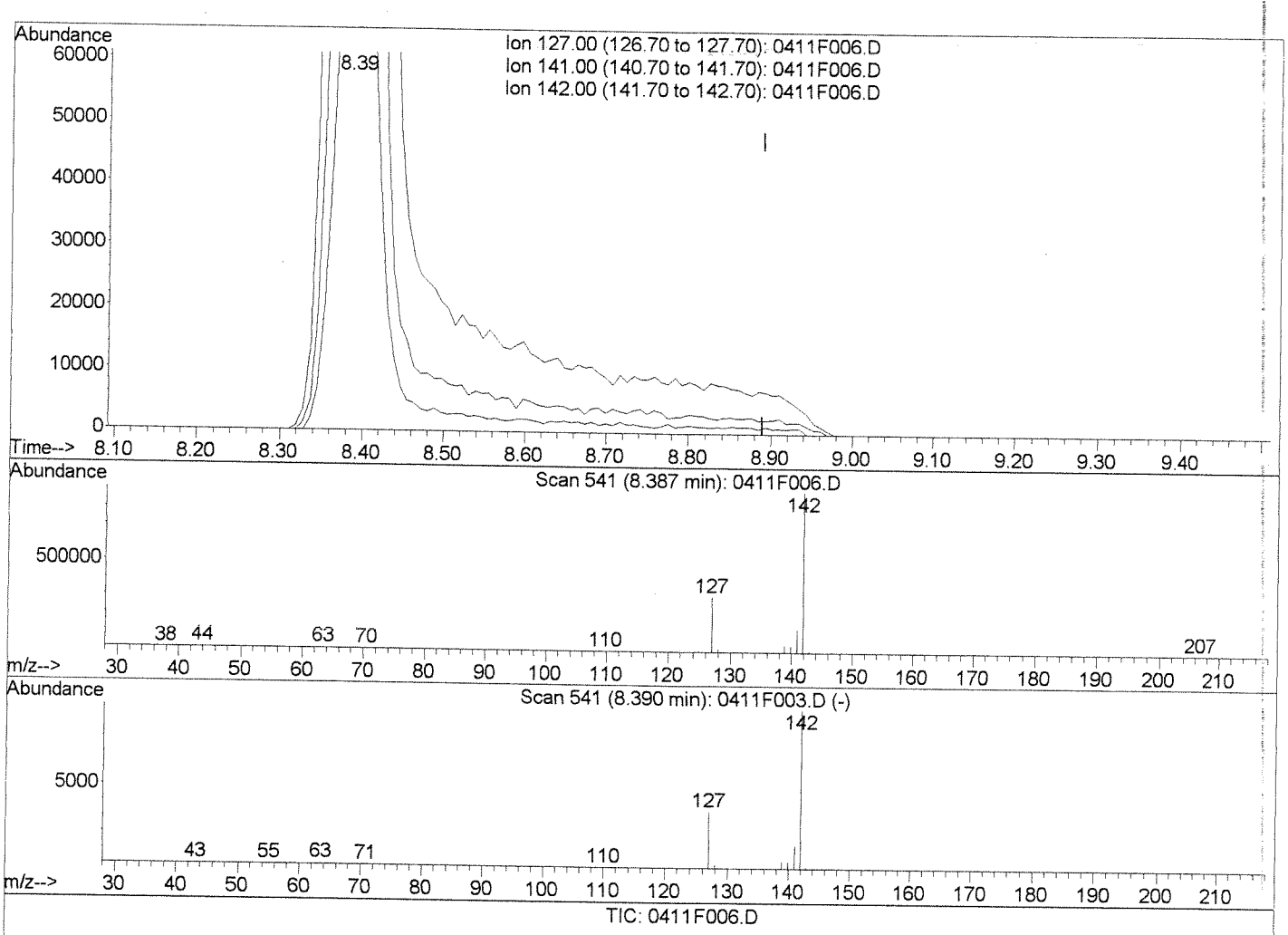
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\041108\0411F006.D
Acq On : 11 Apr 2008 11:41 am
Sample : K0802796-001DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 13:12 2008

Vial: 6
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Single Level Calibration



TIC: 0411F006.D

(13) Iodomethane (T)

8.39min 33.85PPB m

response 1049054

Ion	Exp%	Act%
127.00	100	100
141.00	39.50	41.52
142.00	279.40	290.24
0.00	0.00	0.00

peak Tailing
HE 4.11.08
F.A.h. 4/14/8

0411F006.D 101007MS04-8260.M Fri Apr 11 13:12:54 2008

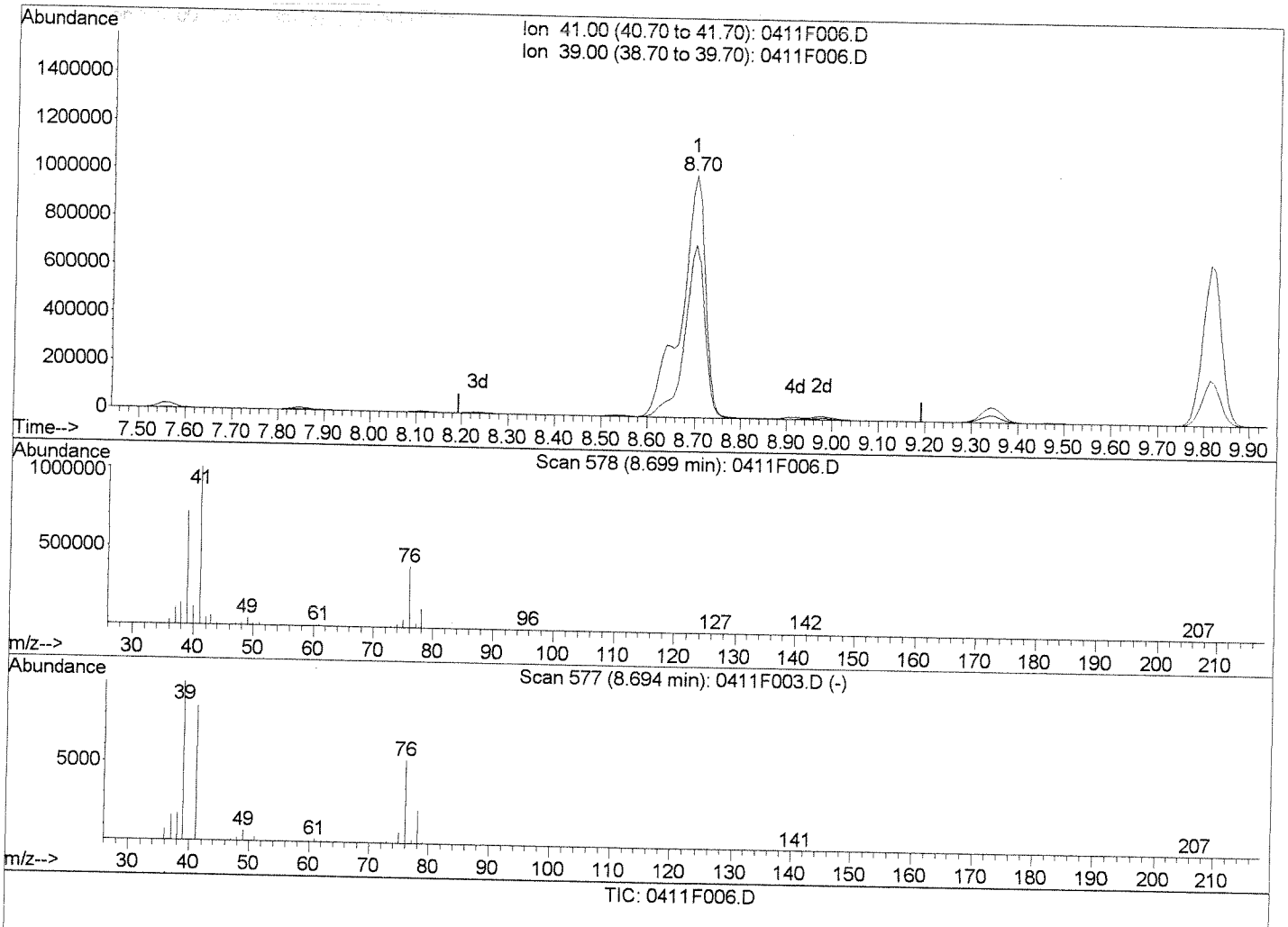
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\041108\0411F006.D
Acq On : 11 Apr 2008 11:41 am
Sample : K0802796-001DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 13:12 2008

Vial: 6
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Multiple Level Calibration



(17) 3-Cloro-1-propene (T)

8.70min 40.38PPB

response 3575335

Ion	Exp%	Act%
41.00	100	100
39.00	68.70	71.16
0.00	0.00	0.00
0.00	0.00	0.00

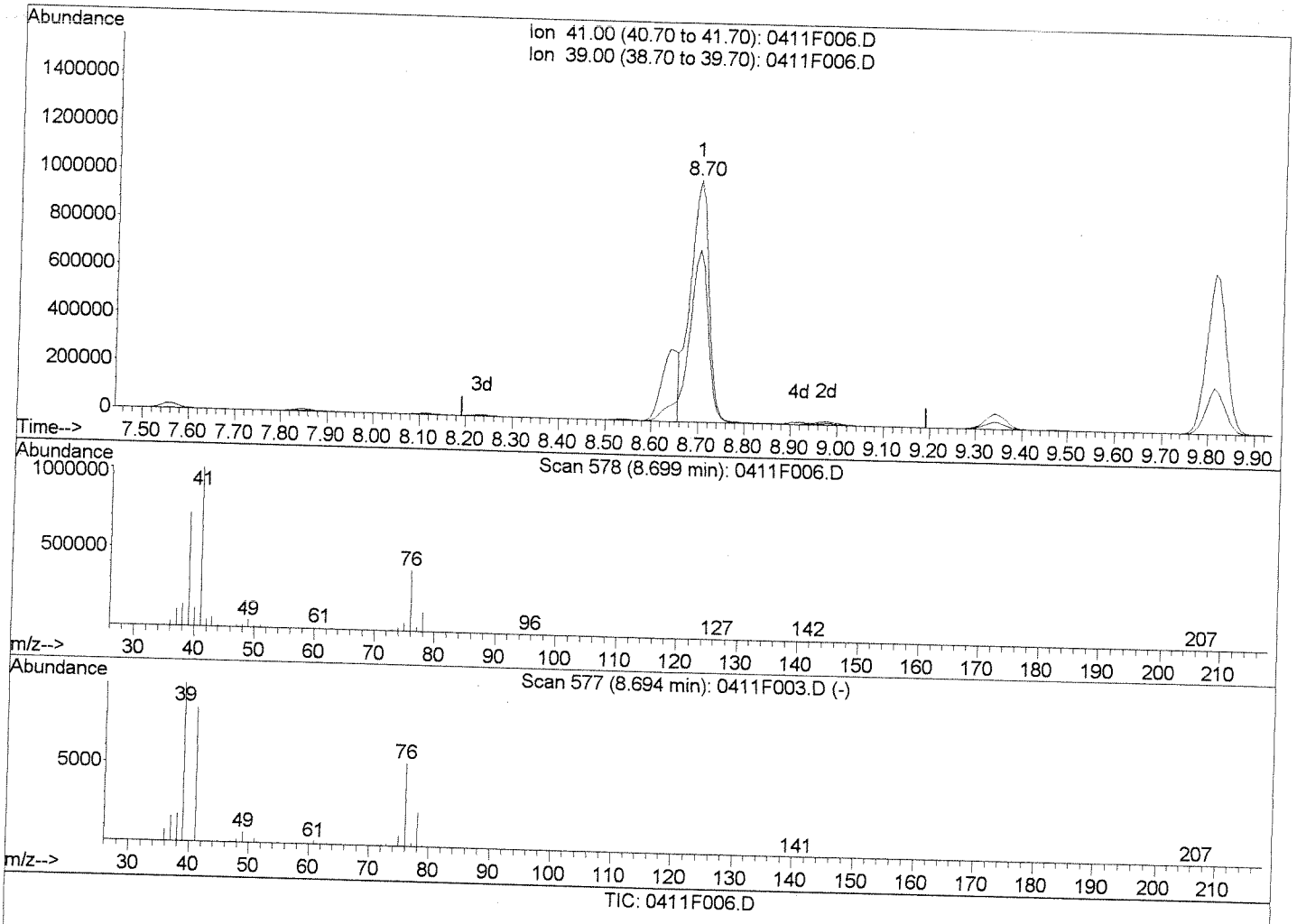
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\041108\0411F006.D
Acq On : 11 Apr 2008 11:41 am
Sample : K0802796-001DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 13:13 2008

Vial: 6
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Multiple Level Calibration



TIC: 0411F006.D

(17) 3-Cloro-1-propene (T)

8.70min 31.77PPB m

response 2813192

Ion	Exp%	Act%
41.00	100	100
39.00	68.70	71.24
0.00	0.00	0.00
0.00	0.00	0.00

removed shoulder
HC 4.11.08
F-Ah 4/14/8

0411F006.D 101007MS04-8260.M Fri Apr 11 13:13:07 2008

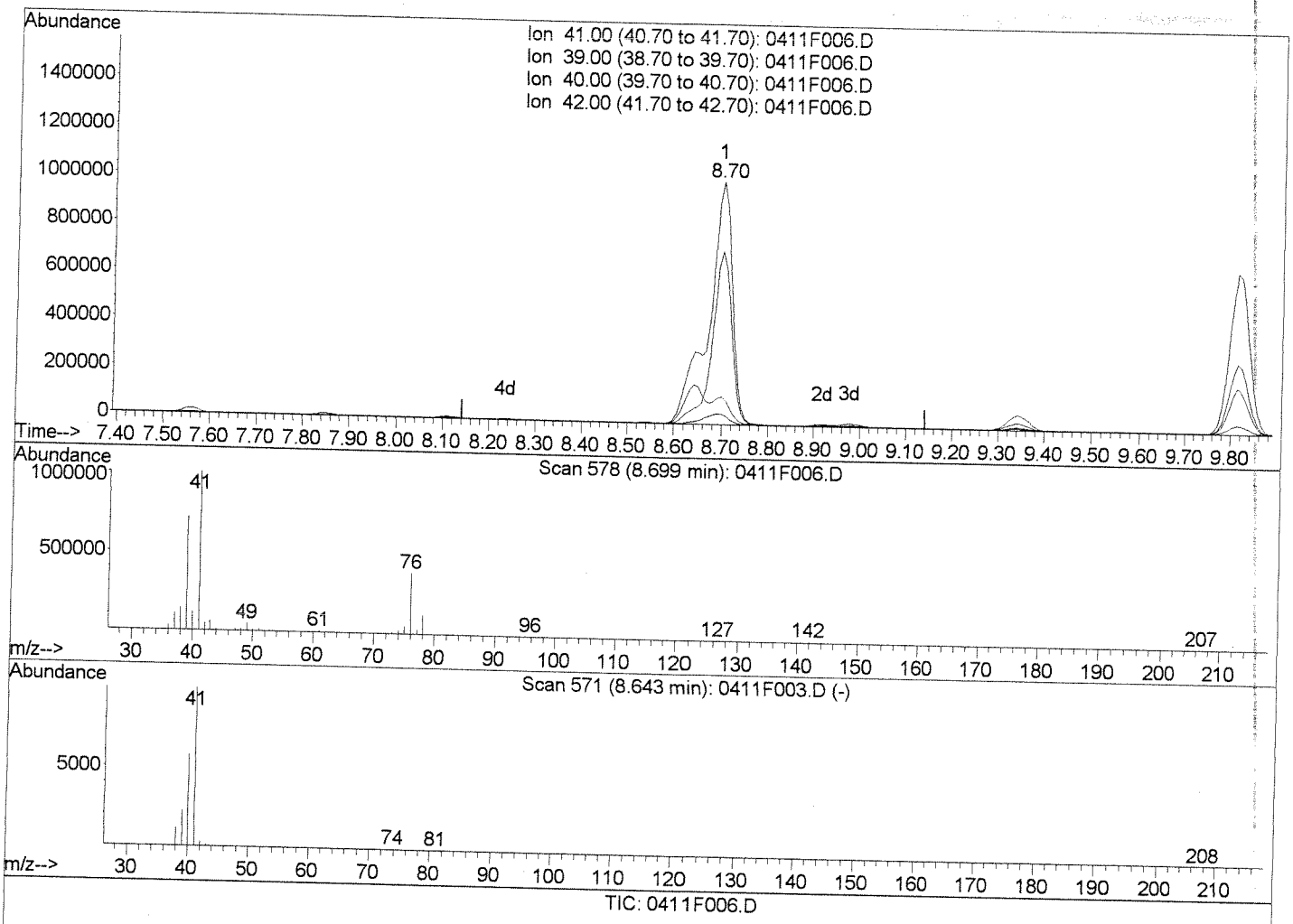
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\041108\0411F006.D
Acq On : 11 Apr 2008 11:41 am
Sample : K0802796-001DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 13:13 2008

Vial: 6
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Multiple Level Calibration



(18) Acetonitrile (T)

8.70min 1164.86PPB

response 3575335

Ion	Exp%	Act%
41.00	100	100
39.00	22.20	71.16#
40.00	57.40	11.25#
42.00	3.10	4.34

0411F006.D 101007MS04-8260.M Fri Apr 11 13:13:11 2008

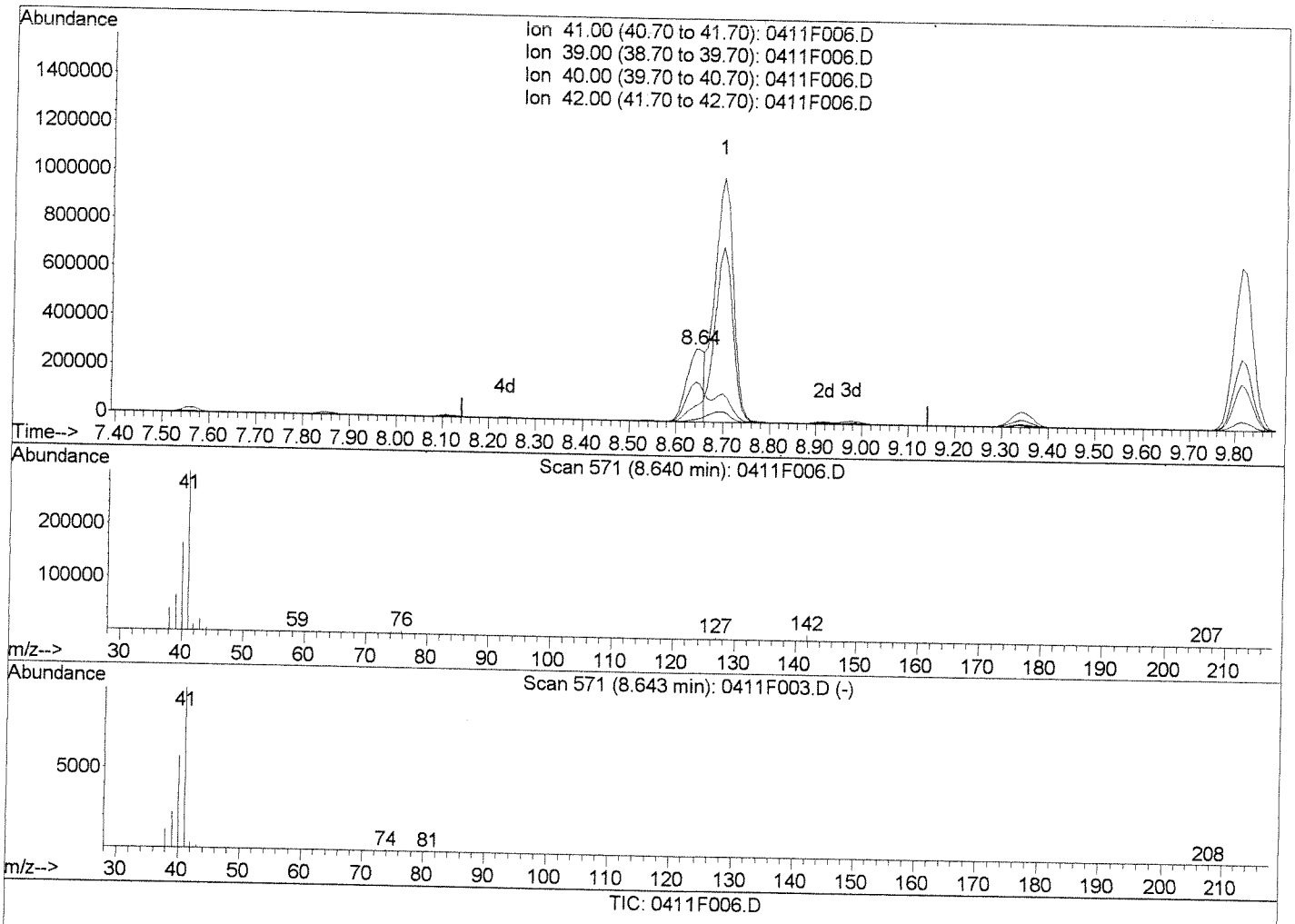
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\041108\0411F006.D
Acq On : 11 Apr 2008 11:41 am
Sample : K0802796-001DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 13:13 2008

Vial: 6
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Multiple Level Calibration



(18) Acetonitrile (T)

8.64min 247.11PPB m

response 758473

Ion	Exp%	Act%
41.00	100	100
39.00	22.20	22.01
40.00	57.40	54.73
42.00	3.10	3.59

Wrong peak
HZ 4.11.08
F-A-h 4/14/8

0411F006.D 101007MS04-8260.M Fri Apr 11 13:13:15 2008

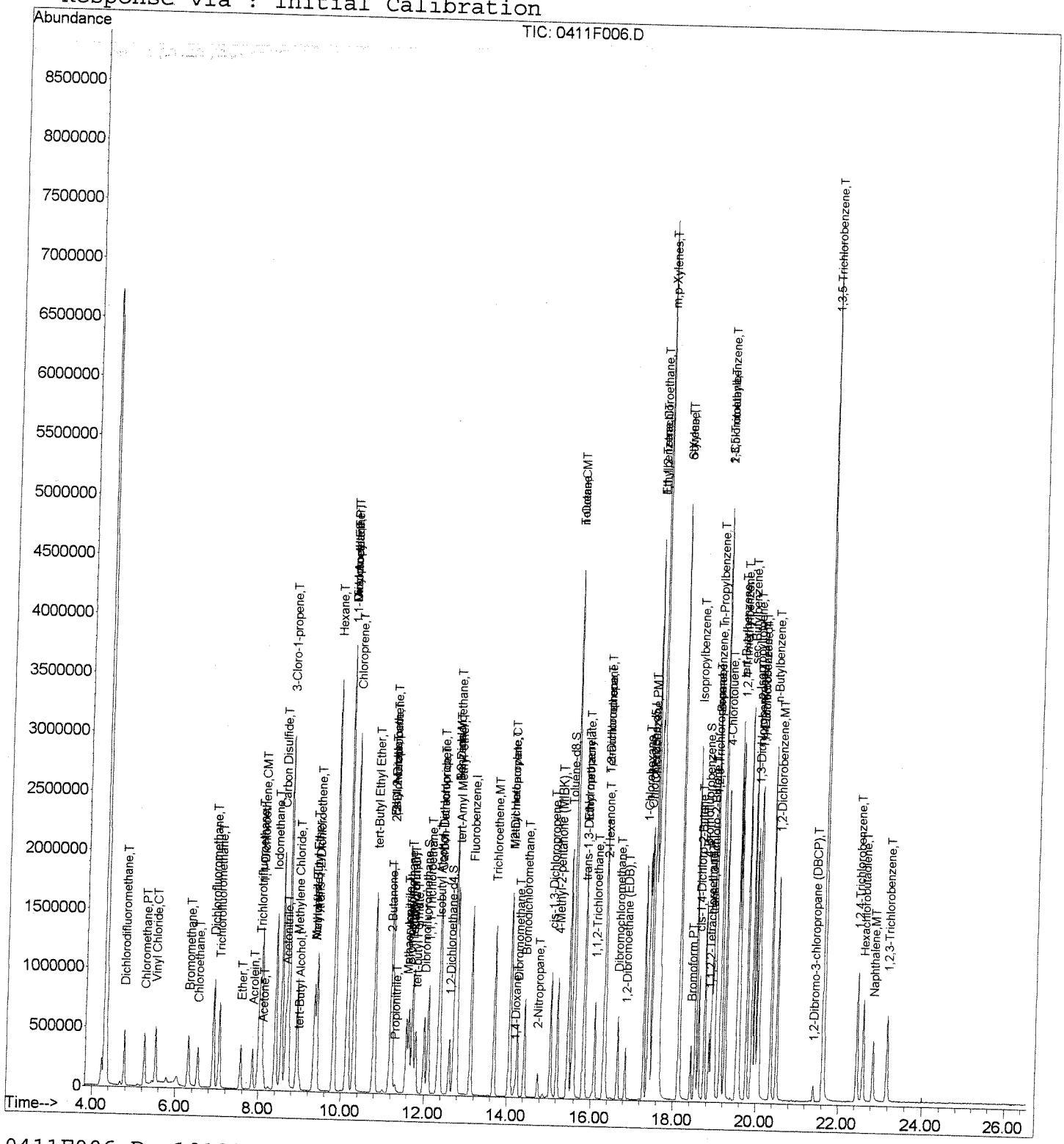
Quantitation Report (QT Reviewed)

Data File : J:\MS04\DATA\041108\0411F006.D
Acq On : 11 Apr 2008 11:41 am
Sample : K0802796-001DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 13:13 2008

Vial: 6
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Initial Calibration



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802796
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:	KWG0803341-3	**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	**9.71**		0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
Chloromethane	**8.51**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Vinyl Chloride	**9.94**		0.50	0.042	1	04/11/08	04/11/08	KWG0803341	
Bromomethane	**9.65**		0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
Chloroethane	**8.90**		0.50	0.23	1	04/11/08	04/11/08	KWG0803341	
Trichlorofluoromethane	**12.4**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Acetone	**52.6**		20	4.1	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethene	**12.0**		0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
Carbon Disulfide	**19.4**		0.50	0.16	1	04/11/08	04/11/08	KWG0803341	
Methylene Chloride	**9.37**		2.0	0.20	1	04/11/08	04/11/08	KWG0803341	
trans-1,2-Dichloroethene	**10.6**		0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
1,1-Dichloroethane	**10.5**		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
2-Butanone (MEK)	**52.8**		20	2.3	1	04/11/08	04/11/08	KWG0803341	*
2,2-Dichloropropane	**13.2**		0.50	0.18	1	04/11/08	04/11/08	KWG0803341	
cis-1,2-Dichloroethene	**10.6**		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Chloroform	**11.2**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromochloromethane	**10.3**		0.50	0.17	1	04/11/08	04/11/08	KWG0803341	
1,1,1-Trichloroethane (TCA)	**12.7**		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	*
1,1-Dichloropropene	**11.6**		0.50	0.15	1	04/11/08	04/11/08	KWG0803341	
Carbon Tetrachloride	**12.9**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloroethane (EDC)	**12.5**		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Benzene	**10.2**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Trichloroethene (TCE)	**11.3**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichloropropane	**9.62**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
Bromodichloromethane	**12.2**		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Dibromomethane	**10.7**		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
2-Hexanone	**52.8**		20	4.0	1	04/11/08	04/11/08	KWG0803341	
cis-1,3-Dichloropropene	**11.4**		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Toluene	**10.8**		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
trans-1,3-Dichloropropene	**10.5**		0.50	0.090	1	04/11/08	04/11/08	KWG0803341	
1,1,2-Trichloroethane	**10.1**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
4-Methyl-2-pentanone (MIBK)	**52.3**		20	2.7	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichloropropane	**9.93**		0.50	0.15	1	04/11/08	04/11/08	KWG0803341	

Comments:

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

Service Request: K0802796
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Lab Control Sample
Lab Code: KWG0803341-3

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)	**11.3**		0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
Dibromochloromethane	**10.7**		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromoethane (EDB)	**10.4**		2.0	0.099	1	04/11/08	04/11/08	KWG0803341	
Chlorobenzene	**10.2**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,1,1,2-Tetrachloroethane	**10.5**		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
Ethylbenzene	**10.5**		0.50	0.13	1	04/11/08	04/11/08	KWG0803341	
m,p-Xylenes	**21.2**		0.50	0.22	1	04/11/08	04/11/08	KWG0803341	
o-Xylene	**10.9**		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
Styrene	**10.7**		0.50	0.095	1	04/11/08	04/11/08	KWG0803341	
Bromoform	**12.3**		0.50	0.28	1	04/11/08	04/11/08	KWG0803341	
Isopropylbenzene	**10.1**		2.0	0.11	1	04/11/08	04/11/08	KWG0803341	
1,1,2,2-Tetrachloroethane	**8.84**		0.50	0.14	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichloropropane	**9.43**		0.50	0.24	1	04/11/08	04/11/08	KWG0803341	
Bromobenzene	**9.94**		2.0	0.18	1	04/11/08	04/11/08	KWG0803341	
n-Propylbenzene	**9.95**		2.0	0.098	1	04/11/08	04/11/08	KWG0803341	
2-Chlorotoluene	**9.79**		2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
4-Chlorotoluene	**9.58**		2.0	0.12	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trimethylbenzene	**9.71**		2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
tert-Butylbenzene	**9.98**		2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trimethylbenzene	**10.0**		2.0	0.15	1	04/11/08	04/11/08	KWG0803341	
sec-Butylbenzene	**10.7**		2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,3-Dichlorobenzene	**9.92**		0.50	0.11	1	04/11/08	04/11/08	KWG0803341	
4-Isopropyltoluene	**9.81**		2.0	0.13	1	04/11/08	04/11/08	KWG0803341	
1,4-Dichlorobenzene	**9.67**		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
n-Butylbenzene	**9.97**		2.0	0.23	1	04/11/08	04/11/08	KWG0803341	
1,2-Dichlorobenzene	**9.87**		0.50	0.12	1	04/11/08	04/11/08	KWG0803341	
1,2-Dibromo-3-chloropropane	**10.5**		2.0	1.0	1	04/11/08	04/11/08	KWG0803341	
1,2,4-Trichlorobenzene	**10.7**		2.0	0.22	1	04/11/08	04/11/08	KWG0803341	
1,2,3-Trichlorobenzene	**11.2**		2.0	0.33	1	04/11/08	04/11/08	KWG0803341	
Naphthalene	**10.7**		2.0	0.29	1	04/11/08	04/11/08	KWG0803341	
Hexachlorobutadiene	**10.3**		2.0	0.28	1	04/11/08	04/11/08	KWG0803341	
1,3,5-Trichlorobenzene	**42.2**		5.0	0.35	1	04/11/08	04/11/08	KWG0803341	

* See Case Narrative

Comments:

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

Service Request: K0802796
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Lab Control Sample
Lab Code: KWG0803341-3

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	109	75-120	04/11/08	Acceptable
Toluene-d8	120	80-128	04/11/08	Acceptable
4-Bromofluorobenzene	109	75-117	04/11/08	Acceptable

Comments:

Exception Report

Data File: J:\MS04\DATA\041108\0411F004.D
Lab ID: KWG0803341-3
RunType: LCS
Matrix: WATER

Date Acquired: 04/11/2008 10:37
Date Quantitated: 04/11/2008 11:20
Batch ID: KWG0803340
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	0.0007	0.01	NA	NT
	tert-Butyl Alcohol	0.0067	0.01	NA	"
	Isobutyl Alcohol	0.0027	0.01	NA	"
	2-Butanone (MEK)	0.0099	0.01	NA	MRL Check
Continuing Calibration Recovery	Tetrahydrofuran	203.5	NA	30	NT
	2-Nitropropane	34.3	NA	30	"
Continuing Calibration Minimum RF	1,4-Dioxane	0.0010	0.01	NA	"
	tert-Butyl Alcohol	0.0062	0.01	NA	"
	Isobutyl Alcohol	0.0029	0.01	NA	"

Primary Review: HC 4.11.08

Secondary Review: FAh 4/14/8

Printed: 04/11/2008 11:23:33
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8260B VOC_FP	**Collect Date:**		**Receive Date:**	04/11/2008

Analysis Lot:	KWG0803340	**Prep Lot:**	KWG0803341	**Report Group:**	
Analysis Method:	8260B	**Prep Method:**	EPA 5030B		
Prep Ref:	700865	**Prep Date:**	04/11/2008		

Quant Method:	J:\MS04\METHODS\101007MS04-8	**Calibration ID:**	CAL6696
Title:			
Tune Ref:	J:\MS04\DATA\041108\0411F002.D	**Method ID:**	MJ119
MB Ref:		**Quant based on Method**	

Data File:	J:\MS04\DATA\041108\0411F004.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 10:37	**Quant Date:**	04/11/2008 11:20	**Vial:**	4
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG0803341-3			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	13.11	-0.01	96	1956745	10.00	OK
2	Chlorobenzene-d5	17.38	-0.01	117	1490599	10.00	OK
3	1,4-Dichlorobenzene-d4	20.02	-0.01	152	820865	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	12.00	0.01	0.00	113	559451	10.89	109	75-120	OK	
1	1,2-Dichloroethane-d4	12.60	0.01	0.00	65	414096	11.83	118	62-121	OK	
1	Toluene-d8	15.46	0.01	0.00	98	1787667	12.03	120	80-128	OK	
2	4-Bromofluorobenzene	18.74	0.00	0.00	95	645679	10.90	109	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	4.76	-0.01	0.00	85	562096	9.71	9.71		
1	Chloromethane	5.25		0.00	50	640601	8.51	8.51		
1	Vinyl Chloride	5.52		0.00	62	623753	9.94	9.94		
1	Bromomethane	6.30	-0.01	0.00	94	429344	9.65	9.65		
1	Chloroethane	6.52		0.00	64	416831	8.90	8.90		
1	Dichlorofluoromethane (CFC 21	6.90		0.00	67	1184067	10.83	10.8		
1	Trichlorofluoromethane	7.04		0.00	101	866773	12.39	12.4		
1	Ethyl Ether	7.56		0.00	59	273983	9.47	9.47		
1	Trichlorotrifluoroethane	8.01		0.00	151	508575	11.28	11.3		
1	1,1-Dichloroethene	8.06		0.00	96	576836	12.04	12.0		
1	Acetone	8.11		0.00	43	266714	52.56	52.6		
1	Iodomethane	8.38	-0.01	0.00	127	946742**m**	32.20	32.2		
1	Carbon Disulfide	8.54		0.00	76	3868125	19.44	19.4		
1	Acrolein	7.85		0.00	56	373420	94.39	94.4		

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:\MS04\DATA\041108\0411F004.D		**Instrument:** MS04
Acqu Date:	04/11/2008 10:37	**Quant Date:** 04/11/2008 11:20	**Vial:** 4
Run Type:	LCS		**Dilution:** 1.0
Lab ID:	KWG0803341-3		**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	8.70	0.01	0.00	41	2502589m	29.80	29.8		
1	Acetonitrile	8.65	0.01	0.00	41	677174m	232.57	233		
1	Methylene Chloride	8.92		0.00	84	641327	9.37	9.37		
1	tert-Butyl Alcohol	8.98		0.00	59	148173	113.49	113		
1	Methyl tert-Butyl Ether	9.34		0.00	73	845836	11.00	11.0		
1	trans-1,2-Dichloroethene	9.40		0.00	96	648989	10.55	10.6		
1	n-Hexane	9.82		0.00	57	2035581	29.07	29.1		
1	1,1-Dichloroethane	10.15		0.00	63	1030447	10.50	10.5		
1	Vinyl Acetate	10.13	-0.01	0.00	86	189120	30.07	30.1		
1	Acrylonitrile	9.34		0.00	53	326063	37.45	37.5		
1	Diisopropyl Ether	10.13	-0.01	0.00	45	2982787	19.39	19.4		
1	Chloroprene	10.30	-0.01	0.00	88	1594256	37.75	37.8		
1	tert-Butyl Ethyl Ether	10.79	-0.01	0.00	59	2315698	21.58	21.6		
1	2,2-Dichloropropane	11.21	-0.01	0.00	77	879474	13.20	13.2		
1	Ethyl Acetate	11.20	0.01	0.00	70	61595	25.10	25.1		
1	cis-1,2-Dichloroethene	11.20	0.01	0.00	96	668578	10.59	10.6		
1	2-Butanone (MEK)	11.16		0.00	72	102532	52.76	52.8		
1	Propionitrile	11.31		0.00	54	79755	29.09	29.1		
1	Methacrylonitrile	11.58	0.01	0.00	67	280646	30.61	30.6		
1	Bromochloromethane	11.63	-0.01	0.00	128	307112	10.32	10.3		
1	Chloroform	11.71		0.00	83	1027964	11.24	11.2		
1	tert-Butyl Formate	11.79	-0.01	0.00	59	560262	28.57	28.6		
1	Tetrahydrofuran	11.70	-0.01	0.00	42	205833	42.24	42.2		
1	1,1,1-Trichloroethane (TCA)	12.09		0.00	97	847314	12.65	12.7		
1	Isobutyl Alcohol	12.32	0.01	0.00	43	166287	313.82	314		
1	Carbon Tetrachloride	12.37		0.00	117	738886	12.92	12.9		
1	1,1-Dichloropropene	12.34	-0.01	0.00	75	819721	11.55	11.6		
1	tert-Amyl Methyl Ether	12.77		0.00	55	451256	22.05	22.1		
1	Benzene	12.71		0.00	78	2171651	10.18	10.2		
1	1,2-Dichloroethane (EDC)	12.72		0.00	62	578261	12.52	12.5		
1	Trichloroethene (TCE)	13.68		0.00	95	605709	11.31	11.3		
1	Methyl Methacrylate	14.06	-0.01	0.00	69	461968	32.33	32.3		
1	1,2-Dichloropropane	14.05	0.01	0.00	63	492638	9.62	9.62		
1	1,4-Dioxane	14.18	-0.01	0.00	88	60105	412.46	412		
1	Dibromomethane	14.24		0.00	93	278016	10.73	10.7		
1	Bromodichloromethane	14.42		0.00	83	708836	12.19	12.2		
1	2-Chloroethyl Vinyl Ether	14.77		0.00	63	75997	8.84	8.84		
1	2-Nitropropane	14.75	0.01	0.00	41	164961	38.81	38.8		
1	cis-1,3-Dichloropropene	15.05	-0.01	0.00	75	774312	11.37	11.4		
1	4-Methyl-2-pentanone (MIBK)	15.21	-0.01	0.00	100	137249	52.27	52.3		
1	Toluene	15.56	0.01	0.00	92	1383034	10.79	10.8		
2	Ethyl Methacrylate	15.83		0.00	69	1015188	32.00	32.0		

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:\MS04\DATA\041108\0411F004.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 10:37	**Quant Date:**	04/11/2008 11:20	**Vial:**	4
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG0803341-3			**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	n-Octane	15.58	0.01	0.00	85	809178	22.46	22.5		
2	trans-1,3-Dichloropropene	15.81		0.00	75	558535	10.51	10.5		
2	1,1,2-Trichloroethane	16.09		0.00	83	284654	10.12	10.1		
2	Tetrachloroethene (PCE)	16.31		0.00	164	597989	11.26	11.3		
2	2-Hexanone	16.34		0.00	57	101297	52.76	52.8		
2	1,3-Dichloropropane	16.33	0.01	0.00	76	599172	9.93	9.93		
2	Dibromochloromethane	16.65		0.00	129	476582	10.68	10.7		
2	1,2-Dibromoethane (EDB)	16.84		0.00	107	368957	10.43	10.4		
2	1-Chlorohexane	17.29		0.00	55	519649	11.03	11.0		
2	Chlorobenzene	17.42		0.00	112	1603941	10.17	10.2		
2	Ethylbenzene	17.51	0.01	0.00	106	814409	10.48	10.5		
2	1,1,1,2-Tetrachloroethane	17.50		0.00	131	534290	10.46	10.5		
2	m,p-Xylenes	17.63		0.00	106	2087992	21.18	21.2		
2	o-Xylene	18.12	-0.01	0.00	106	987478	10.85	10.9		
2	Styrene	18.13	-0.01	0.00	104	1585233	10.71	10.7		
2	Bromoform	18.42		0.00	173	274523	12.25	12.3		
2	Isopropylbenzene	18.52	-0.01	0.00	105	2382354	10.08	10.1		
3	cis-1,4-Dichloro-2-butene	18.60	0.01	0.00	88	262113	36.87	36.9		
3	1,1,2,2-Tetrachloroethane	18.85		0.00	83	331343	8.84	8.84		
3	Bromobenzene	18.95		0.00	156	720449	9.94	9.94		
3	n-Propylbenzene	18.98	0.01	0.00	91	3149754	9.95	9.95		
3	trans-1,4-Dichloro-2-butene	18.90		0.00	53	240418	34.48	34.5		
3	1,2,3-Trichloropropane	18.93		0.00	110	96868	9.43	9.43		
3	2-Chlorotoluene	19.13	0.01	0.00	91	2009076	9.79	9.79		
3	1,3,5-Trimethylbenzene	19.14		0.00	105	2068965	9.71	9.71		
3	4-Chlorotoluene	19.24	0.01	0.00	91	1812720	9.58	9.58		
3	tert-Butylbenzene	19.53		0.00	134	522726	9.98	9.98		
3	1,2,4-Trimethylbenzene	19.58	0.01	0.00	105	2076459	10.00	10.0		
3	sec-Butylbenzene	19.76	-0.01	0.00	105	2926578	10.73	10.7		
3	4-Isopropyltoluene	19.90	0.01	0.00	119	2339647	9.81	9.81		
3	1,3-Dichlorobenzene	19.96		0.00	146	1352428	9.92	9.92		
3	1,4-Dichlorobenzene	20.06	0.01	0.00	146	1357751	9.67	9.67		
3	n-Butylbenzene	20.35	-0.01	0.00	91	2029256	9.97	9.97		
3	1,2-Dichlorobenzene	20.50		0.00	146	1126761	9.87	9.87		
3	1,2-Dibromo-3-chloropropane	21.41		0.00	157	57934	10.45	10.5		
3	1,3,5-Trichlorobenzene	21.63		0.00	180	3324158	42.15	42.2		
3	1,2,4-Trichlorobenzene	22.45		0.00	180	591054	10.65	10.7		
3	Hexachlorobutadiene	22.61	0.01	0.00	225	275024	10.33	10.3		
3	Naphthalene	22.85		0.00	128	696618	10.70	10.7		
3	1,2,3-Trichlorobenzene	23.18		0.00	180	415560	11.19	11.2		
	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:\MS04\DATA\041108\0411F004.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 10:37	**Quant Date:**	04/11/2008 11:20	**Vial:**	4
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG0803341-3			**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

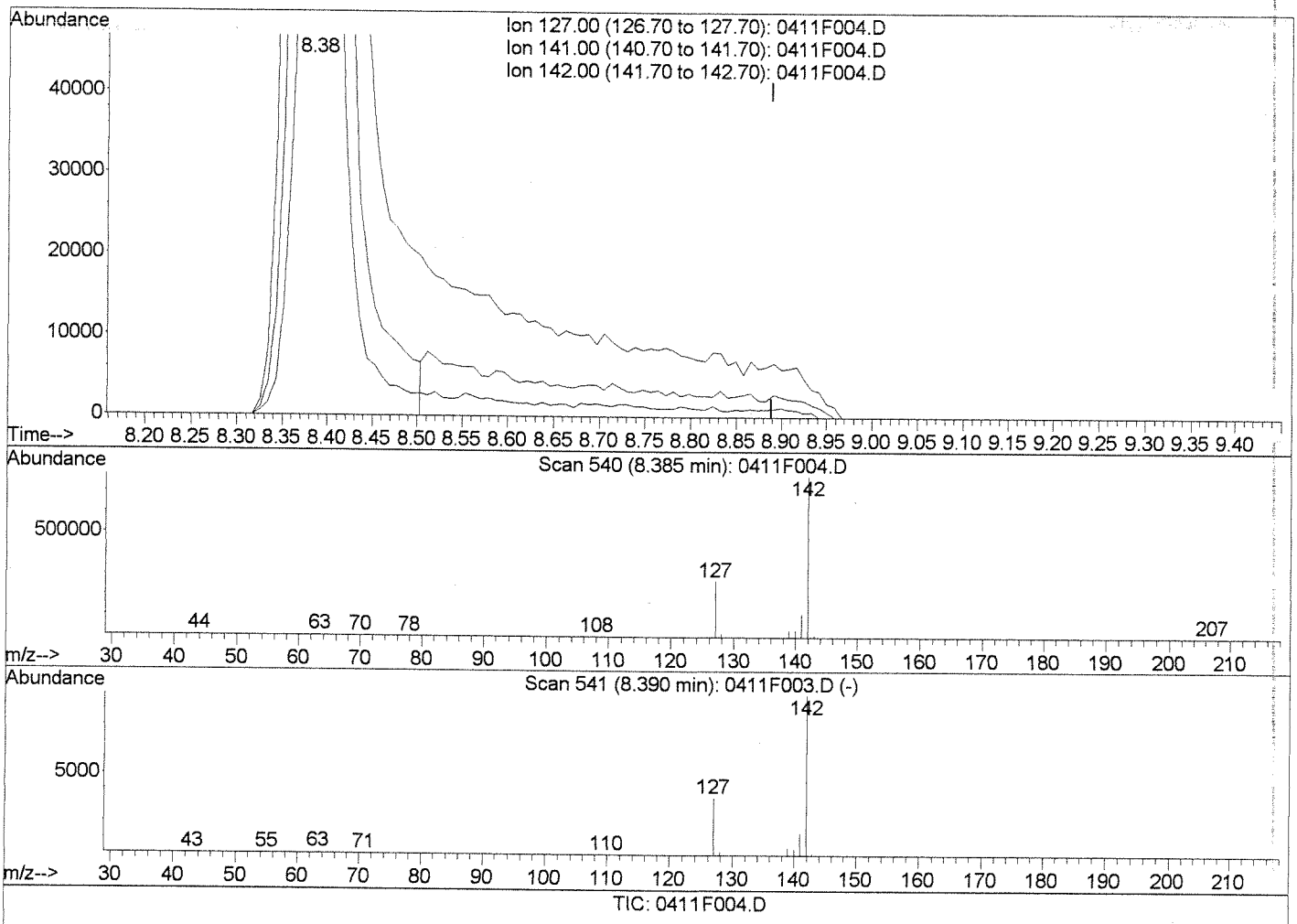
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\041108\0411F004.D
Acq On : 11 Apr 2008 10:37 am
Sample : LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 11:04 2008

Vial: 4
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Single Level Calibration



(13) Iodomethane (T)

8.38min 28.86PPB

response 848492

Ion	Exp%	Act%
127.00	100	100
141.00	39.50	41.89
142.00	279.40	286.44
0.00	0.00	0.00

0411F004.D 101007MS04-8260.M Fri Apr 11 11:19:23 2008

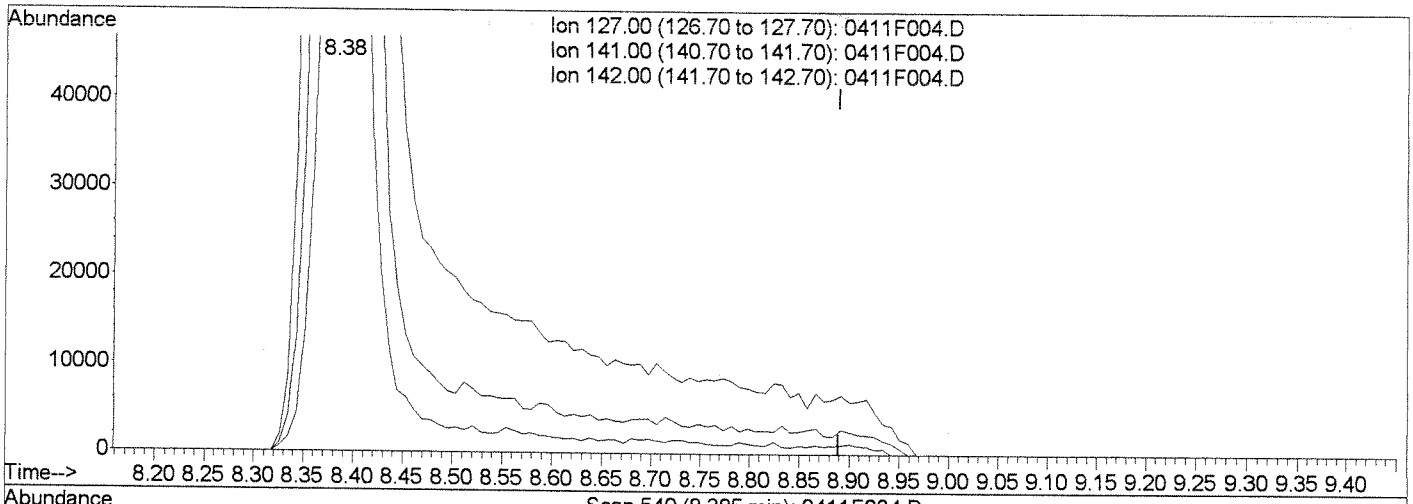
Quantitation Report (Qedit)

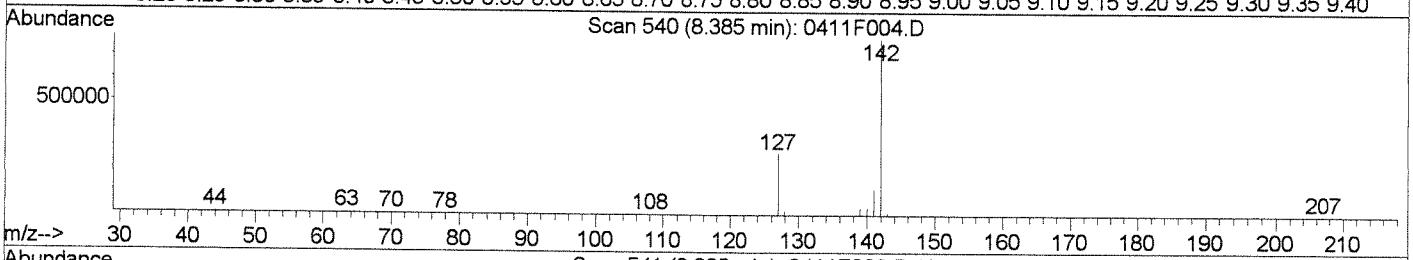
Data File : J:\MS04\DATA\041108\0411F004.D
Acq On : 11 Apr 2008 10:37 am
Sample : LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 11:19 2008

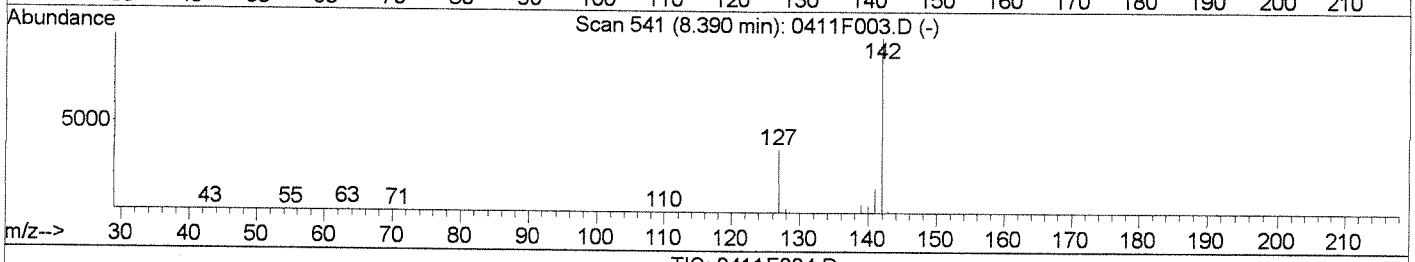
Vial: 4
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Single Level Calibration







TIC: 0411F004.D

(13) Iodomethane (T)

8.38min 32.20PPB m

response 946742

Ion	Exp%	Act%
127.00	100	100
141.00	39.50	41.89
142.00	279.40	286.44
0.00	0.00	0.00

Peak Tailing
HC 4.11.08
F-A-h. 4/14/8

0411F004.D 101007MS04-8260.M Fri Apr 11 11:19:28 2008

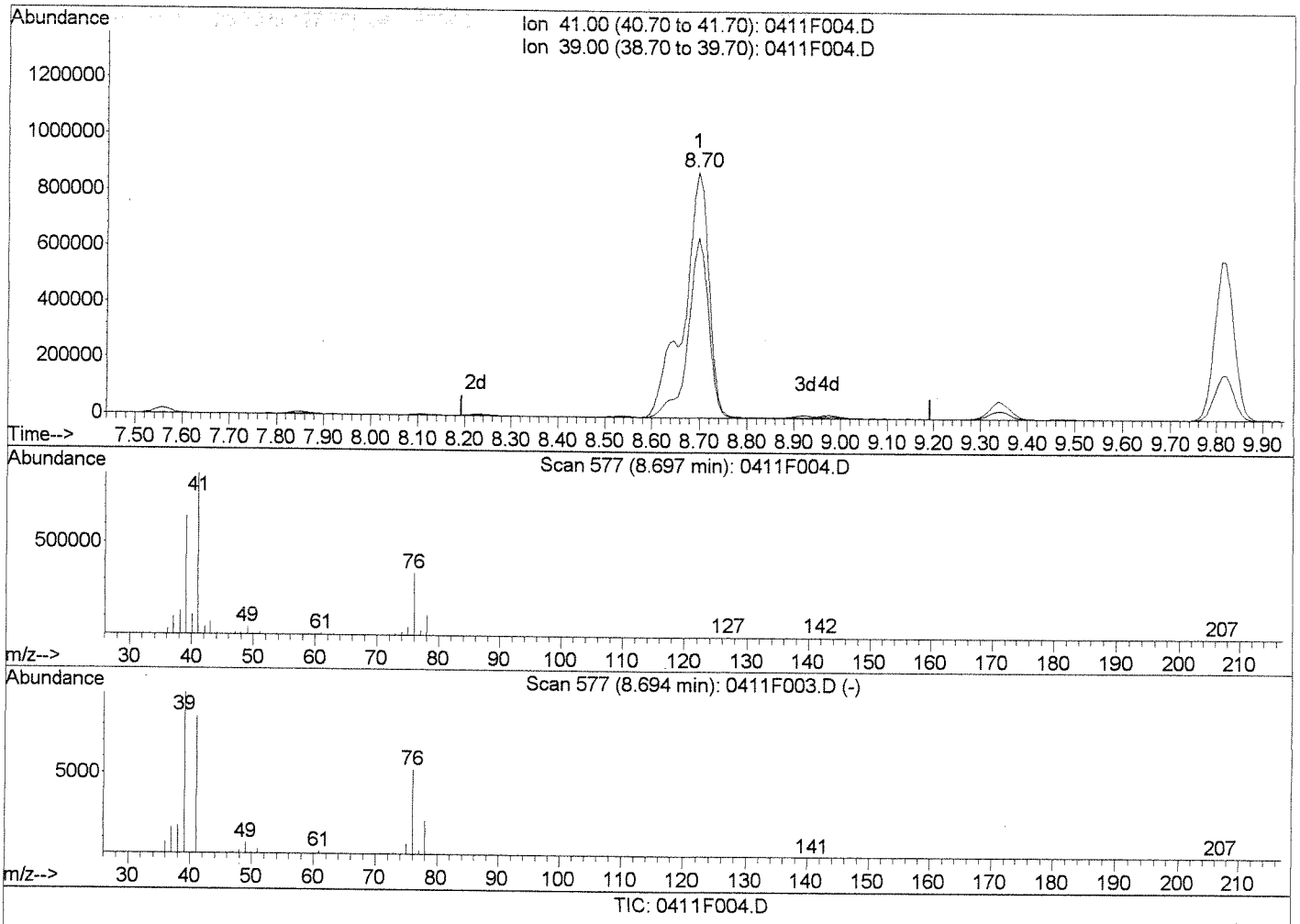
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\041108\0411F004.D
Acq On : 11 Apr 2008 10:37 am
Sample : LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 11:19 2008

Vial: 4
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Multiple Level Calibration



(17) 3-Cloro-1-propene (T)

8.70min 37.89PPB

response 3182682

Ion	Exp%	Act%
41.00	100	100
39.00	68.70	73.15
0.00	0.00	0.00
0.00	0.00	0.00

0411F004.D 101007MS04-8260.M Fri Apr 11 11:19:33 2008

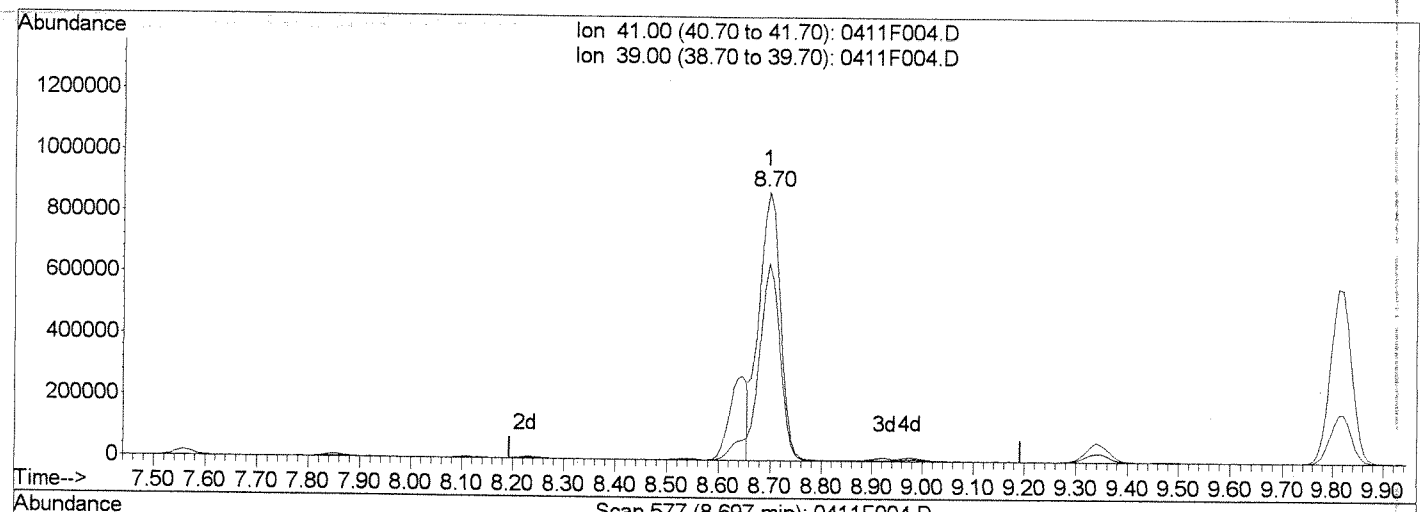
Quantitation Report (Qedit)

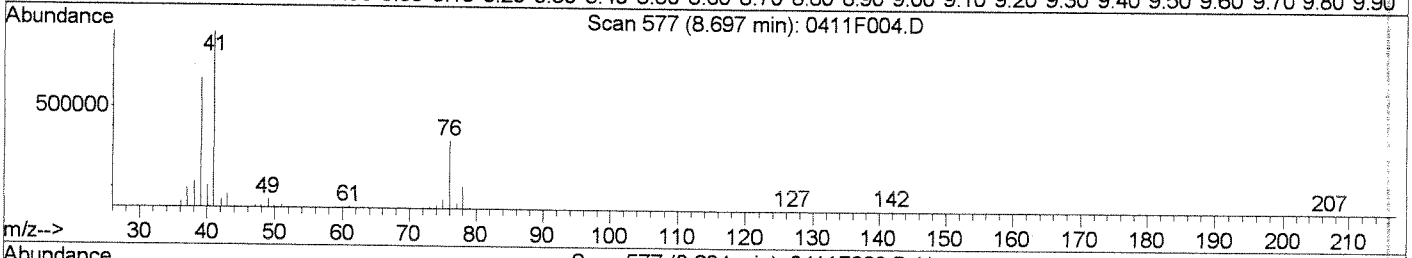
Data File : J:\MS04\DATA\041108\0411F004.D
Acq On : 11 Apr 2008 10:37 am
Sample : LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 11:19 2008

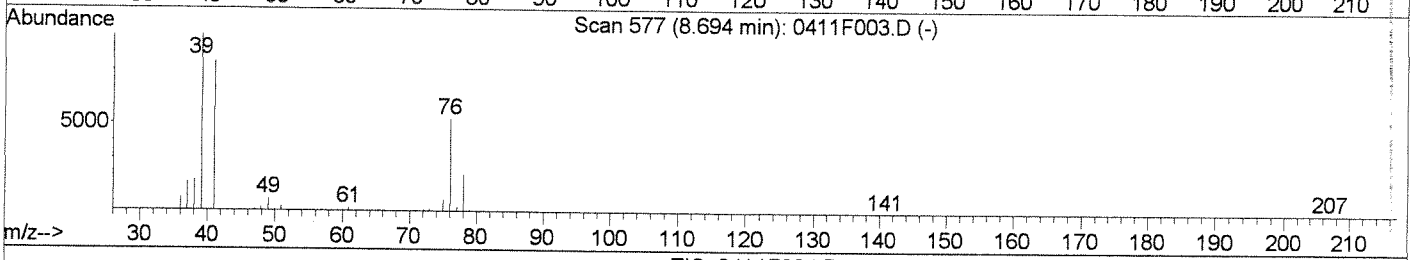
Vial: 4
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Multiple Level Calibration







TIC: 0411F004.D

(17) 3-Cloro-1-propene (T)

8.70min 29.80PPB m

response 2502589

Ion	Exp%	Act%
41.00	100	100
39.00	68.70	73.27
0.00	0.00	0.00
0.00	0.00	0.00

removed shoulder
HC 4.11.08
F-A-h. 4/14/8

0411F004.D 101007MS04-8260.M Fri Apr 11 11:19:40 2008

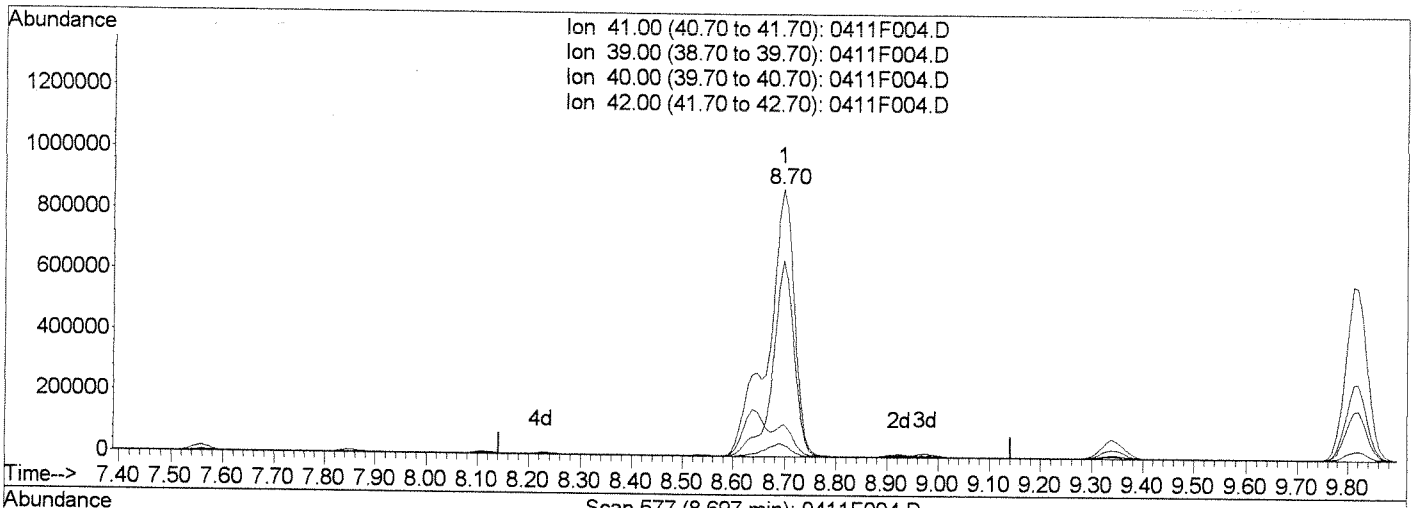
Quantitation Report (Qedit)

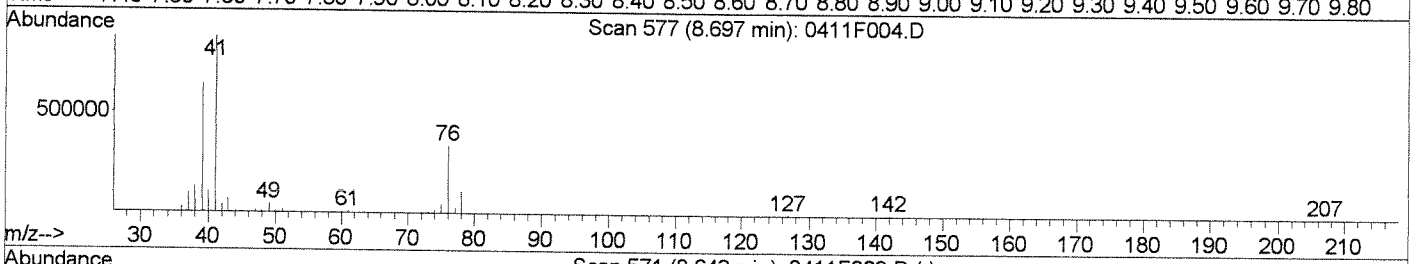
Data File : J:\MS04\DATA\041108\0411F004.D
Acq On : 11 Apr 2008 10:37 am
Sample : LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 11:19 2008

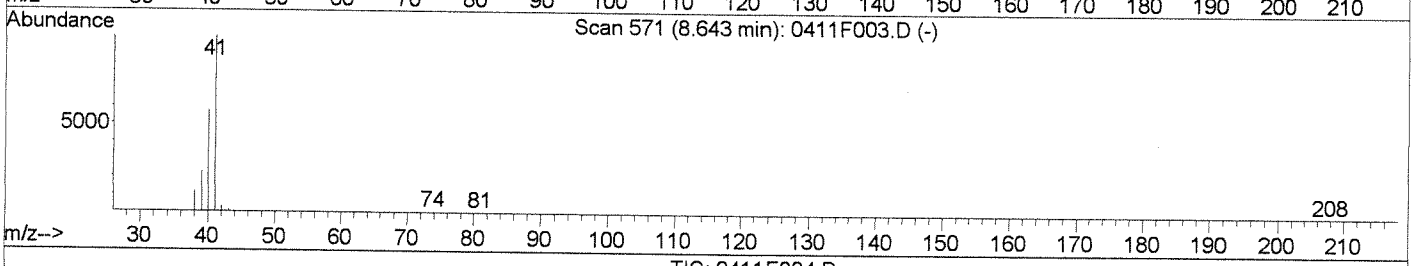
Vial: 4
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Multiple Level Calibration







TIC: 0411F004.D

(18) Acetonitrile (T)

8.70min 1093.09PPB

response 3182682

Ion	Exp%	Act%
41.00	100	100
39.00	22.20	73.15#
40.00	57.40	11.90#
42.00	3.10	4.33

0411F004.D 101007MS04-8260.M Fri Apr 11 11:19:42 2008

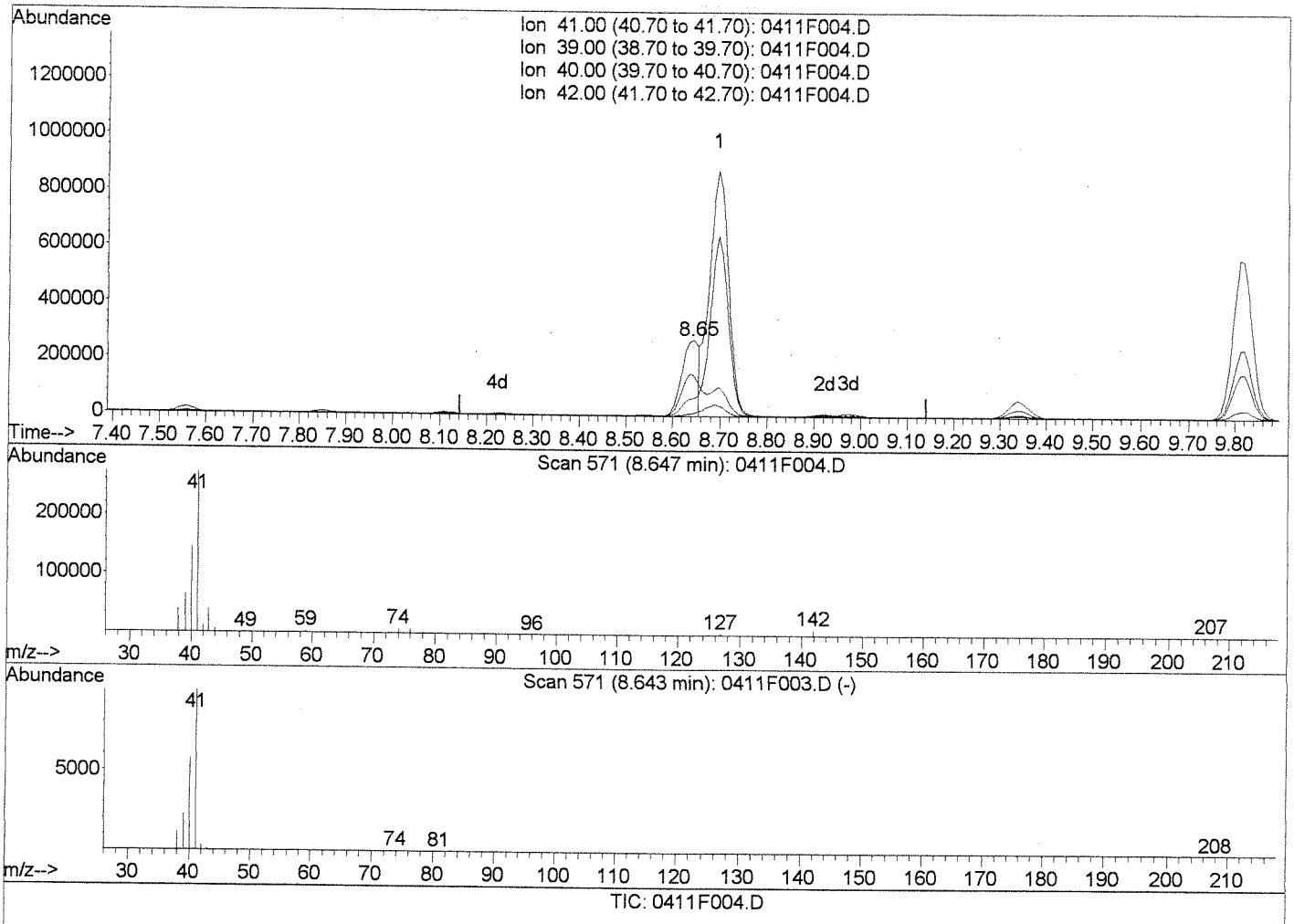
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\041108\0411F004.D
Acq On : 11 Apr 2008 10:37 am
Sample : LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 11:19 2008

Vial: 4
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Multiple Level Calibration



(18) Acetonitrile (T)

8.65min 232.57PPB m

response 677174

Ion	Exp%	Act%
41.00	100	100
39.00	22.20	23.54
40.00	57.40	53.13
42.00	3.10	4.21

wrong peak
HC 4.11.08
F-A-h 4/14/8

0411F004.D 101007MS04-8260.M Fri Apr 11 11:19:48 2008

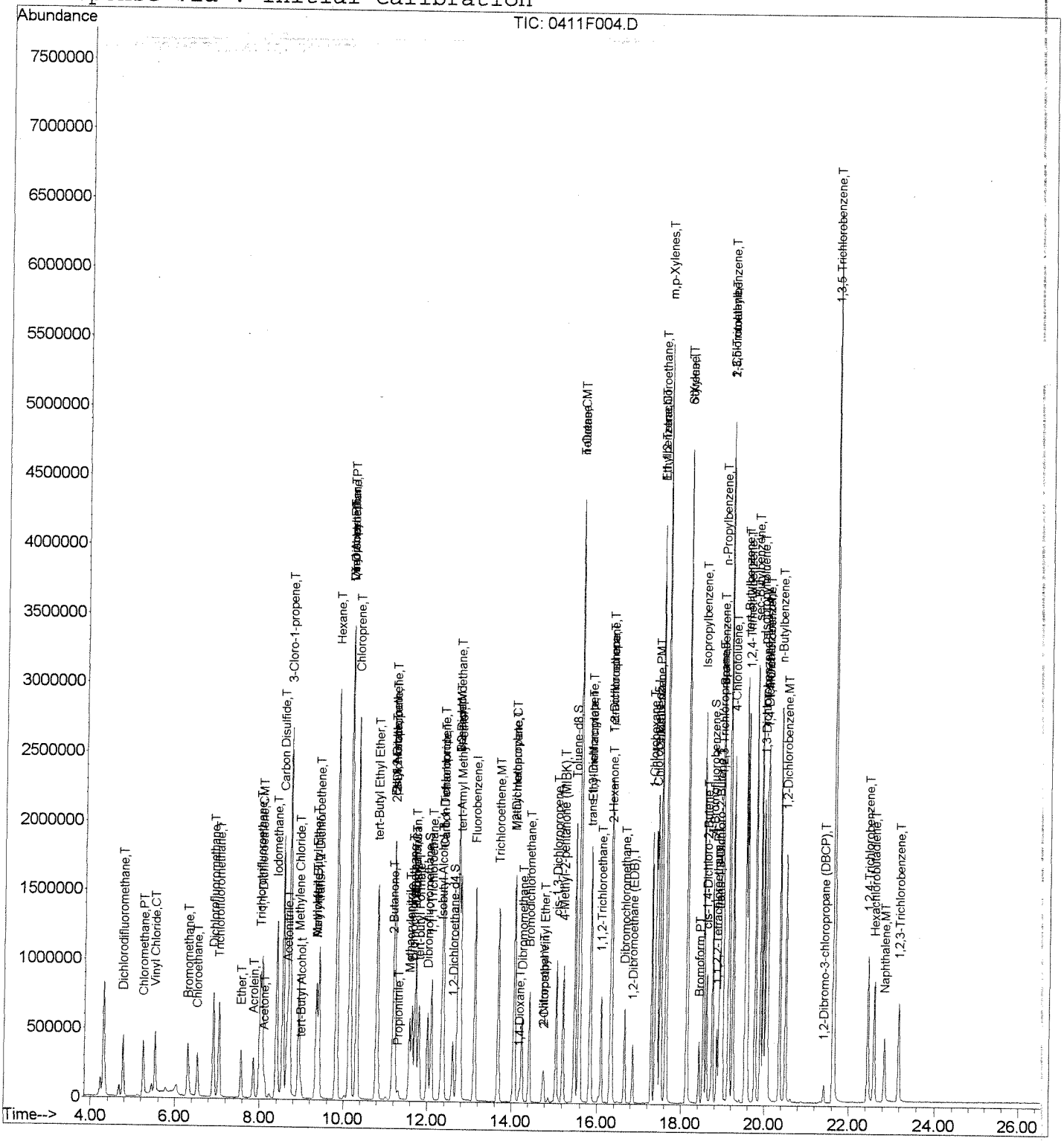
Quantitation Report (QT Reviewed)

Data File : J:\MS04\DATA\041108\0411F004.D
Acq On : 11 Apr 2008 10:37 am
Sample : LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 11:20 2008

Vial: 4
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Initial Calibration



Organic Analysis:
Volatile Organic Compounds

Validation Package

Standards Data

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
Date Analyzed: 04/11/2008
Time Analyzed: 09:29

Tune Summary
Volatile Organic Compounds

File ID: J:\MS04\DATA\041108\0411F002.D
Instrument ID: MS04
Column:

Analysis Method: 8260B
Analysis Lot: KWG0803340

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	16.7	24917	PASS
75	95	30	60	44.7	66776	PASS
95	95	100	100	100.0	149226	PASS
96	95	5	9	7.1	10567	PASS
173	174	0	2	0.0	0	PASS
174	95	50	120	101.5	151538	PASS
175	174	5	9	8.4	12689	PASS
176	174	95	101	95.3	144365	PASS
177	176	5	9	7.0	10104	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG0803340-2	J:\MS04\DATA\041108\0411F003.D	04/11/2008	10:05	
Lab Control Sample	KWG0803341-3	J:\MS04\DATA\041108\0411F004.D	04/11/2008	10:37	
KEP-GW-020A-003MS	KWG0803341-1	J:\MS04\DATA\041108\0411F005.D	04/11/2008	11:09	
KEP-GW-020A-003DMS	KWG0803341-2	J:\MS04\DATA\041108\0411F006.D	04/11/2008	11:41	
Method Blank	KWG0803341-4	J:\MS04\DATA\041108\0411F009.D	04/11/2008	13:17	
KEP-GW-020A-003	K0802796-001	J:\MS04\DATA\041108\0411F012.D	04/11/2008	14:53	
KEP-GW-020B-003	K0802796-002	J:\MS04\DATA\041108\0411F013.D	04/11/2008	15:25	
Duplcate 2	K0802796-003	J:\MS04\DATA\041108\0411F014.D	04/11/2008	15:57	

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

Exception Report

Data File: J:\MS04\DATA\041108\0411F002.D
Lab ID: KWG0803340-1
RunType: TUNE
Matrix: WATER

Date Acquired: 04/11/2008 09:29
Date Quantitated:
Batch ID: KWG0803340
Analysis Method: 8260B
MethodJoinID: MJ119

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Ion Ratio	NA	NA	NA	x	

Primary Review: HC 4.11.08

Secondary Review: EA-h-4/14/8

Printed: 04/11/2008 10:41:36
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8260B	**Collect Date:**		**Receive Date:**	04/11/2008

Analysis Lot:	KWG0803340	**Prep Lot:**		**Report Group:**	
Analysis Method:	BFB	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS04\METHODS\101007MS04-8	**Calibration ID:**	CAL6696
Title:	GC/MS Tuning Evaluation	**Report List ID:**	LJ774
Tune Ref:		**Method ID:**	MJ159
MB Ref:		**Quant based on Report List**	

Data File:	J:\MS04\DATA\041108\0411F002.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 09:29	**Quant Date:**		**Vial:**	2
Run Type:	TUNE			**Dilution:**	1.0
Lab ID:	KWG0803340-1			**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	16.7	24917	Pass
75	95	30	60	44.7	66776	Pass
95	95	100	100	100.0	149226	Pass
96	95	5	9	7.1	10567	Pass
173	174	0	2	0.0	0	Pass
174	95	50	120	101.5	151538	Pass
175	174	5	9	8.4	12689	Pass
176	174	95	101	95.3	144365	Pass
177	176	5	9	7.0	10104	Pass

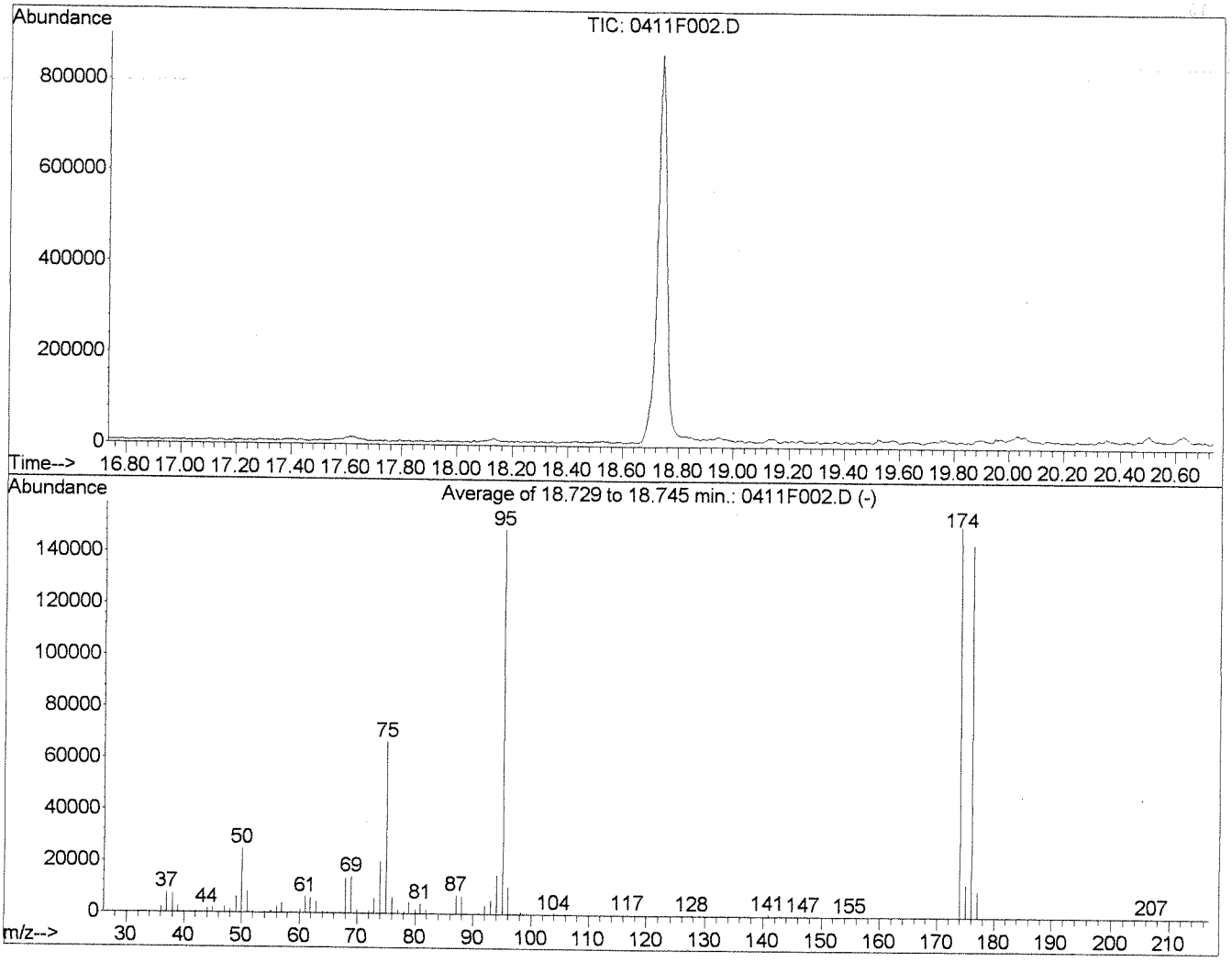
U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

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:\MS04\DATA\041108\0411F002.D
Acq On : 11 Apr 2008 9:29 am
Sample : 50NG BFB
Misc :
MS Integration Params: RTEINT.P
Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624

Vial: 2
Operator: HC
Inst : MS04
Multiplr: 1.00



AutoFind: Scans 1766, 1767, 1768; Background Corrected with Scan 1759

TC 4.11.08

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.7	24917	PASS
75	95	30	60	44.7	66776	PASS
95	95	100	100	100.0	149226	PASS
96	95	5	9	7.1	10567	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	101.5	151538	PASS
175	174	5	9	8.4	12689	PASS
176	174	95	101	95.3	144365	PASS
177	176	5	9	7.0	10104	PASS

0411F002.D 101007MS04-8260.M Fri Apr 11 10:18:23 2008

E.A.h. 4/14/8

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
Calibration Date: 10/10/2007

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL6696
Instrument ID: MS04

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS04\DATA\101007\1010F004.D	F	J:\MS04\DATA\101007\1010F010.D
B	J:\MS04\DATA\101007\1010F005.D	G	J:\MS04\DATA\101007\1010F011.D
C	J:\MS04\DATA\101007\1010F006.D	H	J:\MS04\DATA\101007\1010F012.D
D	J:\MS04\DATA\101007\1010F007.D	I	J:\MS04\DATA\101007\1010F013.D
E	J:\MS04\DATA\101007\1010F009.D	J	J:\MS04\DATA\101007\1010F017.D

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Dichlorodifluoromethane				B	0.20	0.285	C	0.50	0.317	D	1.0	0.328	E	5.0	0.302
	F	10	0.309	G	20	0.337	H	40	0.312	I	60	0.312	J	2.0	0.160
† Chloromethane				B	0.20	0.453	C	0.50	0.422	D	1.0	0.400	E	5.0	0.364
	F	10	0.371	G	20	0.397	H	40	0.392	I	60	0.393	J	2.0	0.272
‡ Vinyl Chloride	A	0.10	0.276	B	0.20	0.290	C	0.50	0.353	D	1.0	0.349	E	5.0	0.335
	F	10	0.338	G	20	0.365	H	40	0.352	I	60	0.354	J	2.0	0.193
Bromomethane							C	0.50	0.233	D	1.0	0.208	E	5.0	0.207
	F	10	0.224	G	20	0.258	H	40	0.261	I	60	0.272	J	2.0	0.156
Chloroethane				B	0.20	0.263	C	0.50	0.268	D	1.0	0.256	E	5.0	0.244
	F	10	0.241	G	20	0.250	H	40	0.238	I	60	0.235	J	2.0	0.161
Trichlorofluoromethane				B	0.20	0.350	C	0.50	0.394	D	1.0	0.398	E	5.0	0.374
	F	10	0.373	G	20	0.395	H	40	0.373	I	60	0.369	J	2.0	0.191
Acetone	A	4.0	0.0283	B	10	0.0264	C	20	0.0287	D	40	0.0259	E	100	0.0233
	F	200	0.0260	G	400	0.0251	H	800	0.0250	I	1600	0.0250	J	80	0.0258
‡ 1,1-Dichloroethene				B	0.20	0.247	C	0.50	0.265	D	1.0	0.258	E	5.0	0.249
	F	10	0.253	G	20	0.270	H	40	0.260	I	60	0.258	J	2.0	0.144
Carbon Disulfide	A	0.10	0.883	B	0.20	1.04	C	0.50	1.10	D	1.0	1.09	E	5.0	1.05
	F	10	1.06	G	20	1.13	H	40	1.09	I	60	1.10	J	2.0	0.634
Methylene Chloride							C	0.50	0.519	D	1.0	0.419	E	5.0	0.332
	F	10	0.314	G	20	0.312	H	40	0.296	I	60	0.290	J	2.0	0.316
trans-1,2-Dichloroethene	A	0.10	0.290	B	0.20	0.330	C	0.50	0.339	D	1.0	0.330	E	5.0	0.322
	F	10	0.325	G	20	0.339	H	40	0.325	I	60	0.323	J	2.0	0.221
† 1,1-Dichloroethane	A	0.10	0.487	B	0.20	0.521	C	0.50	0.523	D	1.0	0.538	E	5.0	0.516
	F	10	0.510	G	20	0.523	H	40	0.507	I	60	0.503	J	2.0	0.388
2-Butanone (MEK)	A	4.0	0.00830	B	10	0.00895	C	20	0.0107	D	40	0.0101	E	100	0.00919
	F	200	0.0105	G	400	0.0103	H	800	0.0106	I	1600	0.0105	J	80	0.0102
2,2-Dichloropropane							C	0.50	0.377	D	1.0	0.370	E	5.0	0.352
	F	10	0.351	G	20	0.364	H	40	0.347	I	60	0.343	J	2.0	0.219

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Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
Calibration Date: 10/10/2007

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL6696
Instrument ID: MS04

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
cis-1,2-Dichloroethene	A	0.10	0.302	B	0.20	0.327	C	0.50	0.345	D	1.0	0.332	E	5.0	0.332
	F	10	0.329	G	20	0.338	H	40	0.327	I	60	0.325	J	2.0	0.268
‡ Chloroform	A	0.10	0.466	B	0.20	0.486	C	0.50	0.496	D	1.0	0.489	E	5.0	0.475
	F	10	0.473	G	20	0.483	H	40	0.466	I	60	0.459	J	2.0	0.380
Bromochloromethane				B	0.20	0.158	C	0.50	0.155	D	1.0	0.157	E	5.0	0.157
	F	10	0.155	G	20	0.154	H	40	0.148	I	60	0.143	J	2.0	0.142
1,1,1-Trichloroethane (TCA)				B	0.20	0.323	C	0.50	0.367	D	1.0	0.370	E	5.0	0.357
	F	10	0.360	G	20	0.373	H	40	0.360	I	60	0.355	J	2.0	0.217
1,1-Dichloropropene				B	0.20	0.342	C	0.50	0.377	D	1.0	0.375	E	5.0	0.372
	F	10	0.384	G	20	0.406	H	40	0.394	I	60	0.391	J	2.0	0.222
Carbon Tetrachloride				B	0.20	0.262	C	0.50	0.321	D	1.0	0.318	E	5.0	0.303
	F	10	0.311	G	20	0.325	H	40	0.312	I	60	0.307	J	2.0	0.170
1,2-Dichloroethane (EDC)	A	0.10	0.236	B	0.20	0.242	C	0.50	0.250	D	1.0	0.245	E	5.0	0.240
	F	10	0.238	G	20	0.239	H	40	0.229	I	60	0.222	J	2.0	0.218
Benzene	A	0.10	1.06	B	0.20	1.08	C	0.50	1.16	D	1.0	1.11	E	5.0	1.10
	F	10	1.11	G	20	1.16	H	40	1.14	I	60	1.15	J	2.0	0.826
Trichloroethene (TCE)				B	0.20	0.269	C	0.50	0.292	D	1.0	0.282	E	5.0	0.274
	F	10	0.284	G	20	0.297	H	40	0.288	I	60	0.284	J	2.0	0.194
‡ 1,2-Dichloropropane				B	0.20	0.278	C	0.50	0.272	D	1.0	0.259	E	5.0	0.266
	F	10	0.260	G	20	0.270	H	40	0.263	I	60	0.262	J	2.0	0.226
Bromodichloromethane				B	0.20	0.311	C	0.50	0.301	D	1.0	0.298	E	5.0	0.302
	F	10	0.301	G	20	0.307	H	40	0.301	I	60	0.297	J	2.0	0.256
Dibromomethane				B	0.20	0.136	C	0.50	0.139	D	1.0	0.134	E	5.0	0.135
	F	10	0.133	G	20	0.134	H	40	0.130	I	60	0.128	J	2.0	0.123
2-Hexanone	A	4.0	0.0112	B	10	0.0106	C	20	0.0124	D	40	0.0125	E	100	0.0120
	F	200	0.0139	G	400	0.0140	H	800	0.0145	I	1600	0.0143	J	80	0.0135
cis-1,3-Dichloropropene	A	0.10	0.328	B	0.20	0.332	C	0.50	0.341	D	1.0	0.334	E	5.0	0.357
	F	10	0.357	G	20	0.375	H	40	0.373	I	60	0.372	J	2.0	0.312
‡ Toluene				B	0.20	0.643	C	0.50	0.678	D	1.0	0.662	E	5.0	0.666
	F	10	0.674	G	20	0.704	H	40	0.690	I	60	0.680	J	2.0	0.497
trans-1,3-Dichloropropene	A	0.10	0.325	B	0.20	0.319	C	0.50	0.350	D	1.0	0.341	E	5.0	0.366
	F	10	0.372	G	20	0.385	H	40	0.387	I	60	0.393	J	2.0	0.327
1,1,2-Trichloroethane	A	0.10	0.183	B	0.20	0.181	C	0.50	0.198	D	1.0	0.188	E	5.0	0.194
	F	10	0.188	G	20	0.194	H	40	0.191	I	60	0.192	J	2.0	0.179

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Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
Calibration Date: 10/10/2007

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL6696
Instrument ID: MS04

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)	A	4.0	0.0112	B	10	0.0118	C	20	0.0130	D	40	0.0135	E	100	0.0124
	F	200	0.0144	G	400	0.0143	H	800	0.0149	I	1600	0.0146	J	80	0.0140
1,3-Dichloropropane				B	0.20	0.411	C	0.50	0.408	D	1.0	0.403	E	5.0	0.403
	F	10	0.405	G	20	0.411	H	40	0.408	I	60	0.409	J	2.0	0.385
Tetrachloroethene (PCE)				B	0.20	0.365	C	0.50	0.381	D	1.0	0.369	E	5.0	0.359
	F	10	0.362	G	20	0.388	H	40	0.373	I	60	0.373	J	2.0	0.237
Dibromochloromethane				B	0.20	0.288	C	0.50	0.304	D	1.0	0.290	E	5.0	0.298
	F	10	0.301	G	20	0.312	H	40	0.313	I	60	0.315	J	2.0	0.274
1,2-Dibromoethane (EDB)				B	0.20	0.228	C	0.50	0.247	D	1.0	0.231	E	5.0	0.239
	F	10	0.239	G	20	0.243	H	40	0.243	I	60	0.243	J	2.0	0.223
† Chlorobenzene	A	0.10	0.989	B	0.20	1.05	C	0.50	1.11	D	1.0	1.07	E	5.0	1.07
	F	10	1.06	G	20	1.11	H	40	1.10	I	60	1.11	J	2.0	0.897
1,1,1,2-Tetrachloroethane	A	0.10	0.310	B	0.20	0.347	C	0.50	0.350	D	1.0	0.340	E	5.0	0.354
	F	10	0.350	G	20	0.364	H	40	0.357	I	60	0.357	J	2.0	0.296
‡ Ethylbenzene				B	0.20	0.461	C	0.50	0.517	D	1.0	0.520	E	5.0	0.533
	F	10	0.545	G	20	0.580	H	40	0.571	I	60	0.572	J	2.0	0.392
m,p-Xylenes				B	0.40	0.580	C	1.0	0.651	D	2.0	0.653	E	10	0.675
	F	20	0.690	G	40	0.736	H	80	0.726	I	120	0.735	J	4.0	0.507
o-Xylene	A	0.10	0.491	B	0.20	0.557	C	0.50	0.609	D	1.0	0.608	E	5.0	0.639
	F	10	0.656	G	20	0.687	H	40	0.676	I	60	0.673	J	2.0	0.508
Styrene				B	0.20	0.814	C	0.50	0.913	D	1.0	0.909	E	5.0	1.02
	F	10	1.06	G	20	1.12	H	40	1.13	I	60	1.14	J	2.0	0.829
† Bromoform							C	0.50	0.143	D	1.0	0.141	E	5.0	0.152
	F	10	0.151	G	20	0.159	H	40	0.159	I	60	0.160	J	2.0	0.138
Isopropylbenzene							C	0.50	1.50	D	1.0	1.52	E	5.0	1.60
	F	10	1.66	G	20	1.80	H	40	1.79	I	60	1.70	J	2.0	1.13
† 1,1,2,2-Tetrachloroethane							C	0.50	0.470	D	1.0	0.460	E	5.0	0.459
	F	10	0.448	G	20	0.455	H	40	0.453	I	60	0.459	J	2.0	0.449
1,2,3-Trichloropropane							C	0.50	0.124	D	1.0	0.123	E	5.0	0.130
	F	10	0.125	G	20	0.127	H	40	0.126	I	60	0.126	J	2.0	0.119
Bromobenzene	A	0.10	0.737	B	0.20	0.897	C	0.50	0.912	D	1.0	0.890	E	5.0	0.919
	F	10	0.898	G	20	0.928	H	40	0.913	I	60	0.927	J	2.0	0.808
n-Propylbenzene				B	0.20	3.45	C	0.50	3.85	D	1.0	3.81	E	5.0	3.99
	F	10	4.08	G	20	4.42	H	40	4.42	I	60	3.88	J	2.0	2.82

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Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
Calibration Date: 10/10/2007

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL6696
Instrument ID: MS04

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
2-Chlorotoluene	A	0.10	2.31	B	0.20	2.35	C	0.50	2.65	D	1.0	2.49	E	5.0	2.55
	F	10	2.56	G	20	2.71	H	40	2.66	I	60	2.72	J	2.0	2.02
4-Chlorotoluene	A	0.10	1.99	B	0.20	2.38	C	0.50	2.36	D	1.0	2.33	E	5.0	2.34
	F	10	2.32	G	20	2.47	H	40	2.45	I	60	2.51	J	2.0	1.90
1,3,5-Trimethylbenzene							C	0.50	2.52	D	1.0	2.48	E	5.0	2.62
	F	10	2.63	G	20	2.84	H	40	2.84	I	60	2.89	J	2.0	1.94
tert-Butylbenzene							C	0.50	0.624	D	1.0	0.628	E	5.0	0.640
	F	10	0.657	G	20	0.709	H	40	0.691	I	60	0.699	J	2.0	0.457
1,2,4-Trimethylbenzene				B	0.20	2.30	C	0.50	2.39	D	1.0	2.41	E	5.0	2.59
	F	10	2.61	G	20	2.81	H	40	2.79	I	60	2.84	J	2.0	2.01
sec-Butylbenzene							C	0.50	3.26	D	1.0	3.25	E	5.0	3.33
	F	10	3.44	G	20	3.74	H	40	3.72	I	60	3.59	J	2.0	2.26
1,3-Dichlorobenzene	A	0.10	1.53	B	0.20	1.64	C	0.50	1.72	D	1.0	1.65	E	5.0	1.70
	F	10	1.68	G	20	1.76	H	40	1.72	I	60	1.75	J	2.0	1.45
4-Isopropyltoluene							C	0.50	2.73	D	1.0	2.74	E	5.0	2.94
	F	10	3.00	G	20	3.28	H	40	3.26	I	60	3.25	J	2.0	2.02
1,4-Dichlorobenzene	A	0.10	1.71	B	0.20	1.80	C	0.50	1.79	D	1.0	1.72	E	5.0	1.71
	F	10	1.69	G	20	1.74	H	40	1.70	I	60	1.73	J	2.0	1.53
n-Butylbenzene							C	0.50	2.36	D	1.0	2.28	E	5.0	2.49
	F	10	2.58	G	20	2.81	H	40	2.78	I	60	2.87	J	2.0	1.66
1,2-Dichlorobenzene	A	0.10	1.31	B	0.20	1.42	C	0.50	1.41	D	1.0	1.36	E	5.0	1.43
	F	10	1.40	G	20	1.45	H	40	1.42	I	60	1.44	J	2.0	1.27
1,2-Dibromo-3-chloropropane										D	1.0	0.0553	E	5.0	0.0665
	F	10	0.0704	G	20	0.0700	H	40	0.0725	I	60	0.0735	J	2.0	0.0645
1,2,4-Trichlorobenzene				B	0.20	0.587	C	0.50	0.636	D	1.0	0.635	E	5.0	0.691
	F	10	0.702	G	20	0.735	H	40	0.729	I	60	0.738	J	2.0	0.633
1,2,3-Trichlorobenzene				B	0.20	0.397	C	0.50	0.416	D	1.0	0.414	E	5.0	0.458
	F	10	0.468	G	20	0.489	H	40	0.488	I	60	0.494	J	2.0	0.445
Naphthalene							C	0.50	0.662	D	1.0	0.682	E	5.0	0.781
	F	10	0.804	G	20	0.866	H	40	0.886	I	60	0.919	J	2.0	0.747
Hexachlorobutadiene				B	0.20	0.320	C	0.50	0.328	D	1.0	0.327	E	5.0	0.327
	F	10	0.330	G	20	0.354	H	40	0.344	I	60	0.348	J	2.0	0.239
1,3,5-Trichlorobenzene	A	0.10	0.793	B	0.20	0.887	C	0.50	0.970	D	1.0	0.937	E	5.0	1.01
	F	10	1.01	G	20	1.06	H	40	1.04	I	60	1.06	J	2.0	0.836

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Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
Calibration Date: 10/10/2007

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL6696
Instrument ID: MS04

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Dibromofluoromethane				B	4.0	0.280	C	5.0	0.244	D	6.0	0.258	E	8.0	0.251
	F	10	0.236	G	20	0.275	H	40	0.273	I	50	0.262	J	7.0	0.284
Toluene-d8				B	4.0	0.740	C	5.0	0.606	D	6.0	0.679	E	8.0	0.676
	F	10	0.613	G	20	0.810	H	40	0.835	I	50	0.792	J	7.0	0.846
4-Bromofluorobenzene				B	4.0	0.395	C	5.0	0.352	D	6.0	0.399	E	8.0	0.372
	F	10	0.364	G	20	0.424	H	40	0.425	I	50	0.415	J	7.0	0.430

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Calibration Date: 10/10/2007

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL6696
Instrument ID: MS04

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	17.9	*	≤ 15	0.296		0.01
† Chloromethane	TRG	AverageRF	% RSD	13.0		≤ 15	0.385		0.10
‡ Vinyl Chloride	TRG	AverageRF	% RSD	16.6	*	≤ 15	0.321		0.01
Bromomethane	TRG	AverageRF	% RSD	16.5	*	≤ 15	0.227		0.01
Chloroethane	TRG	AverageRF	% RSD	13.1		≤ 15	0.239		0.01
Trichlorofluoromethane	TRG	AverageRF	% RSD	17.9	*	≤ 15	0.357		0.01
Acetone	TRG	AverageRF	% RSD	6.2		≤ 15	0.0259		0.01
‡ 1,1-Dichloroethene	MS	AverageRF	% RSD	15.7	*	≤ 15	0.245		0.01
Carbon Disulfide	TRG	AverageRF	% RSD	14.8		≤ 15	1.02		0.01
Methylene Chloride	TRG	AverageRF	% RSD	22.7	*	≤ 15	0.350		0.01
trans-1,2-Dichloroethene	TRG	AverageRF	% RSD	11.3		≤ 15	0.314		0.01
† 1,1-Dichloroethane	TRG	AverageRF	% RSD	8.4		≤ 15	0.502		0.10
2-Butanone (MEK)	TRG	AverageRF	% RSD	8.2		≤ 15	0.00993	*	0.01
2,2-Dichloropropane	TRG	AverageRF	% RSD	14.8		≤ 15	0.341		0.01
cis-1,2-Dichloroethene	TRG	AverageRF	% RSD	6.9		≤ 15	0.323		0.01
‡ Chloroform	TRG	AverageRF	% RSD	7.0		≤ 15	0.467		0.01
Bromochloromethane	TRG	AverageRF	% RSD	4.1		≤ 15	0.152		0.01
1,1,1-Trichloroethane (TCA)	TRG	AverageRF	% RSD	14.4		≤ 15	0.342		0.01
1,1-Dichloropropene	TRG	AverageRF	% RSD	15.3	*	≤ 15	0.363		0.01
Carbon Tetrachloride	TRG	AverageRF	% RSD	16.8	*	≤ 15	0.292		0.01
1,2-Dichloroethane (EDC)	TRG	AverageRF	% RSD	4.3		≤ 15	0.236		0.01
Benzene	MS	AverageRF	% RSD	9.0		≤ 15	1.09		0.01
Trichloroethene (TCE)	MS	AverageRF	% RSD	11.4		≤ 15	0.274		0.01
‡ 1,2-Dichloropropane	TRG	AverageRF	% RSD	5.6		≤ 15	0.262		0.01
Bromodichloromethane	TRG	AverageRF	% RSD	5.4		≤ 15	0.297		0.01
Dibromomethane	TRG	AverageRF	% RSD	3.5		≤ 15	0.132		0.01
2-Hexanone	TRG	AverageRF	% RSD	10.4		≤ 15	0.0129		0.01
cis-1,3-Dichloropropene	TRG	AverageRF	% RSD	6.3		≤ 15	0.348		0.01
‡ Toluene	MS	AverageRF	% RSD	9.4		≤ 15	0.655		0.01
trans-1,3-Dichloropropene	TRG	AverageRF	% RSD	7.8		≤ 15	0.356		0.01
1,1,2-Trichloroethane	TRG	AverageRF	% RSD	3.3		≤ 15	0.189		0.01
4-Methyl-2-pentanone (MIBK)	TRG	AverageRF	% RSD	9.5		≤ 15	0.0134		0.01
1,3-Dichloropropane	TRG	AverageRF	% RSD	2.0		≤ 15	0.405		0.01
Tetrachloroethene (PCE)	TRG	AverageRF	% RSD	12.9		≤ 15	0.356		0.01
Dibromochloromethane	TRG	AverageRF	% RSD	4.6		≤ 15	0.299		0.01
1,2-Dibromoethane (EDB)	TRG	AverageRF	% RSD	3.4		≤ 15	0.237		0.01
† Chlorobenzene	MS	AverageRF	% RSD	6.4		≤ 15	1.06		0.30
1,1,1,2-Tetrachloroethane	TRG	AverageRF	% RSD	6.4		≤ 15	0.343		0.01
‡ Ethylbenzene	TRG	AverageRF	% RSD	11.7		≤ 15	0.521		0.01
m,p-Xylenes	TRG	AverageRF	% RSD	11.5		≤ 15	0.662		0.01
o-Xylene	TRG	AverageRF	% RSD	11.5		≤ 15	0.611		0.01
Styrene	TRG	AverageRF	% RSD	13.1		≤ 15	0.993		0.01

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Project: Kuhlman Electric

Service Request: K0802796
Calibration Date: 10/10/2007

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL6696
Instrument ID: MS04

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	5.8		≤ 15	0.150		0.10
Isopropylbenzene	TRG	AverageRF	% RSD	13.6		≤ 15	1.59		0.01
† 1,1,2,2-Tetrachloroethane	TRG	AverageRF	% RSD	1.5		≤ 15	0.457		0.30
1,2,3-Trichloropropane	TRG	AverageRF	% RSD	2.5		≤ 15	0.125		0.01
Bromobenzene	TRG	AverageRF	% RSD	7.0		≤ 15	0.883		0.01
n-Propylbenzene	TRG	AverageRF	% RSD	12.8		≤ 15	3.86		0.01
2-Chlorotoluene	TRG	AverageRF	% RSD	8.7		≤ 15	2.50		0.01
4-Chlorotoluene	TRG	AverageRF	% RSD	8.7		≤ 15	2.31		0.01
1,3,5-Trimethylbenzene	TRG	AverageRF	% RSD	11.8		≤ 15	2.60		0.01
tert-Butylbenzene	TRG	AverageRF	% RSD	12.5		≤ 15	0.638		0.01
1,2,4-Trimethylbenzene	TRG	AverageRF	% RSD	10.9		≤ 15	2.53		0.01
sec-Butylbenzene	TRG	AverageRF	% RSD	14.2		≤ 15	3.32		0.01
1,3-Dichlorobenzene	TRG	AverageRF	% RSD	6.1		≤ 15	1.66		0.01
4-Isopropyltoluene	TRG	AverageRF	% RSD	14.5		≤ 15	2.90		0.01
1,4-Dichlorobenzene	TRG	AverageRF	% RSD	4.3		≤ 15	1.71		0.01
n-Butylbenzene	TRG	AverageRF	% RSD	15.9	*	≤ 15	2.48		0.01
1,2-Dichlorobenzene	MS	AverageRF	% RSD	4.2		≤ 15	1.39		0.01
1,2-Dibromo-3-chloropropane	TRG	AverageRF	% RSD	9.3		≤ 15	0.0675		0.01
1,2,4-Trichlorobenzene	TRG	AverageRF	% RSD	8.1		≤ 15	0.676		0.01
1,2,3-Trichlorobenzene	TRG	AverageRF	% RSD	8.0		≤ 15	0.452		0.01
Naphthalene	MS	AverageRF	% RSD	11.9		≤ 15	0.793		0.01
Hexachlorobutadiene	TRG	AverageRF	% RSD	10.4		≤ 15	0.324		0.01
1,3,5-Trichlorobenzene	TRG	AverageRF	% RSD	9.9		≤ 15	0.961		0.01
Dibromofluoromethane	SURR	AverageRF	% RSD	6.4		≤ 15	0.262		0.01
Toluene-d8	SURR	Linear	R2	0.996		≥ 0.990	0.733		0.01
4-Bromofluorobenzene	SURR	AverageRF	% RSD	7.2		≤ 15	0.397		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: K0802796
Calibration Date: 10/10/2007
Date Analyzed: 10/10/2007

Second Source Calibration Verification
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration ID: CAL6696
Units: PPB

File ID: J:\MS04\DATA\101007\1010F020.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Dichlorodifluoromethane	10	7.9	0.296	0.235	-21	NA	± 40 %	AverageRF
† Chloromethane	10	8.2	0.385	0.317	-18	NA	± 40 %	AverageRF
‡ Vinyl Chloride	10	8.7	0.321	0.278	-13	NA	± 20 %	AverageRF
Bromomethane	10	8.8	0.227	0.200	-12	NA	± 40 %	AverageRF
Chloroethane	10	8.3	0.239	0.199	-17	NA	± 40 %	AverageRF
Trichlorofluoromethane	10	7.3	0.357	0.261	-27	NA	± 30 %	AverageRF
Acetone	50	47	0.0259	0.0242	-7	NA	± 30 %	AverageRF
‡ 1,1-Dichloroethene	10	8.8	0.245	0.215	-12	NA	± 20 %	AverageRF
Carbon Disulfide	20	15	1.02	0.769	-24	NA	± 30 %	AverageRF
Methylene Chloride	10	8.2	0.350	0.287	-18	NA	± 30 %	AverageRF
trans-1,2-Dichloroethene	10	8.1	0.314	0.254	-19	NA	± 30 %	AverageRF
† 1,1-Dichloroethane	10	8.2	0.502	0.411	-18	NA	± 30 %	AverageRF
2-Butanone (MEK)	50	54	0.00993	0.0107	8	NA	± 30 %	AverageRF
2,2-Dichloropropane	10	7.9	0.341	0.270	-21	NA	± 30 %	AverageRF
cis-1,2-Dichloroethene	10	8.8	0.323	0.283	-12	NA	± 30 %	AverageRF
‡ Chloroform	10	8.1	0.467	0.380	-19	NA	± 20 %	AverageRF
Bromochloromethane	10	8.8	0.152	0.134	-12	NA	± 30 %	AverageRF
1,1,1-Trichloroethane (TCA)	10	7.9	0.342	0.271	-21	NA	± 30 %	AverageRF
1,1-Dichloropropene	10	7.8	0.363	0.284	-22	NA	± 30 %	AverageRF
Carbon Tetrachloride	10	7.9	0.292	0.232	-21	NA	± 30 %	AverageRF
1,2-Dichloroethane (EDC)	10	8.7	0.236	0.204	-14	NA	± 30 %	AverageRF
Benzene	10	8.2	1.09	0.898	-18	NA	± 30 %	AverageRF
Trichloroethene (TCE)	10	8.1	0.274	0.223	-19	NA	± 30 %	AverageRF
‡ 1,2-Dichloropropane	10	8.5	0.262	0.221	-16	NA	± 20 %	AverageRF
Bromodichloromethane	10	8.8	0.297	0.262	-12	NA	± 30 %	AverageRF
Dibromomethane	10	9.0	0.132	0.119	-10	NA	± 30 %	AverageRF
2-Hexanone	50	53	0.0129	0.0135	5	NA	± 30 %	AverageRF
cis-1,3-Dichloropropene	10	9.0	0.348	0.313	-10	NA	± 30 %	AverageRF
‡ Toluene	10	8.2	0.655	0.537	-18	NA	± 20 %	AverageRF
trans-1,3-Dichloropropene	10	8.9	0.356	0.316	-11	NA	± 30 %	AverageRF
1,1,2-Trichloroethane	10	9.3	0.189	0.175	-7	NA	± 30 %	AverageRF
4-Methyl-2-pentanone (MIBK)	50	51	0.0134	0.0137	2	NA	± 30 %	AverageRF
1,3-Dichloropropane	10	9.1	0.405	0.369	-9	NA	± 30 %	AverageRF
Tetrachloroethene (PCE)	10	7.8	0.356	0.278	-22	NA	± 30 %	AverageRF
Dibromochloromethane	10	9.1	0.299	0.273	-9	NA	± 30 %	AverageRF
1,2-Dibromoethane (EDB)	10	9.1	0.237	0.217	-9	NA	± 30 %	AverageRF
† Chlorobenzene	10	8.4	1.06	0.889	-16	NA	± 30 %	AverageRF
1,1,1,2-Tetrachloroethane	10	8.6	0.343	0.296	-14	NA	± 30 %	AverageRF
‡ Ethylbenzene	10	8.4	0.521	0.435	-16	NA	± 20 %	AverageRF
m,p-Xylenes	20	17	0.662	0.560	-15	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: K0802796
Calibration Date: 10/10/2007
Date Analyzed: 10/10/2007

Second Source Calibration Verification
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration ID: CAL6696
Units: PPB

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
o-Xylene	10	8.9	0.611	0.541	-11	NA	± 30 %	AverageRF
Styrene	10	9.2	0.993	0.909	-8	NA	± 30 %	AverageRF
† Bromoform	10	9.5	0.150	0.143	-5	NA	± 30 %	AverageRF
Isopropylbenzene	10	7.5	1.59	1.19	-25	NA	± 30 %	AverageRF
† 1,1,2,2-Tetrachloroethane	10	9.5	0.457	0.433	-5	NA	± 30 %	AverageRF
1,2,3-Trichloropropane	10	9.8	0.125	0.123	-2	NA	± 30 %	AverageRF
Bromobenzene	10	8.9	0.883	0.781	-11	NA	± 30 %	AverageRF
n-Propylbenzene	10	8.7	3.86	3.34	-13	NA	± 30 %	AverageRF
2-Chlorotoluene	10	8.6	2.50	2.15	-14	NA	± 30 %	AverageRF
4-Chlorotoluene	10	8.5	2.31	1.96	-15	NA	± 30 %	AverageRF
1,3,5-Trimethylbenzene	10	8.4	2.60	2.18	-16	NA	± 30 %	AverageRF
tert-Butylbenzene	10	8.5	0.638	0.543	-15	NA	± 30 %	AverageRF
1,2,4-Trimethylbenzene	10	8.8	2.53	2.23	-12	NA	± 30 %	AverageRF
sec-Butylbenzene	10	9.1	3.32	3.01	-10	NA	± 30 %	AverageRF
1,3-Dichlorobenzene	10	8.7	1.66	1.44	-13	NA	± 30 %	AverageRF
4-Isopropyltoluene	10	8.3	2.90	2.41	-17	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	10	8.5	1.71	1.46	-15	NA	± 30 %	AverageRF
n-Butylbenzene	10	8.6	2.48	2.14	-14	NA	± 30 %	AverageRF
1,2-Dichlorobenzene	10	8.9	1.39	1.24	-11	NA	± 30 %	AverageRF
1,2-Dibromo-3-chloropropane	10	9.8	0.0675	0.0665	-2	NA	± 30 %	AverageRF
1,2,4-Trichlorobenzene	10	9.6	0.676	0.647	-4	NA	± 30 %	AverageRF
1,2,3-Trichlorobenzene	10	10	0.452	0.452	0	NA	± 30 %	AverageRF
Naphthalene	10	10	0.793	0.792	0	NA	± 30 %	AverageRF
Hexachlorobutadiene	10	9.3	0.324	0.301	-7	NA	± 30 %	AverageRF
1,3,5-Trichlorobenzene	40	43	0.961	1.03	7	NA	± 30 %	AverageRF

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

† SPCC Compound **‡ CCC Compound**

ANALYTICAL SERVICES

VOA DAILY ANALYSIS LOG
GCMS 5971 MS-04

DATE: 10·10·07
OPERATOR H. Conrad
ICV/LCS STD# see prep-sheet
IS/SS STD# 47VOA33P

ICAL Date: 10·10·07
CAL: 6696
TUNE FILE: BFB4
NEW TUNE? NO
SECOND REVIEW F-A-h·10/11/7
MISC: STD# BFB: 47VOA25F
CCV STD# N/A
N/A TORR N/A °C
MS/D STD# N/A

RUN TIME	SAMPLE NAME	DATA FILE	METHOD	PH	DL	R	COMMENTS
1	IB	1010F001	8260				
2	50ng BFB	2			44µL/44mL	✓	
3	IB	3				✓	
4	8260 ICAL 0.1PPB	4			see prepsheet	✓	
5	0.2PPB	5				✓	
6	0.5PPB	6				✓	
7	1.0PPB	7				✓	
8	2.0PPB	8				✓ (NR)	not used
9	5.0PPB	9				✓	
10	10PPB	10				✓	
11	20PPB	11				✓	
12	40PPB	12				✓	
13	60PPB	13				✓	
14	IB	14					
15	IB	15					
16	IB	16				✓	
17	8260 ICAL 2.0PPB (R)	17			see prepsheet	✓	
18	IB	18					
19	ICV	19			see prepsheet	✓	(NR)
20	ICV	20				✓	
21							
22							
23							
24							
25							

LIMS WORKGROUP # N/A

No D.O.D on this curve.

1

INTIAL CALIBRATION CURVE

Date 10/10/07 Analysis: 8260
Prepared By H. Conrad Instrument: MS04
Matrix: Water

Stock Solution #1 47V0A33F Analytes: Surrogates Init. Concentration: 200ppm
Stock Solution #2 47V0A39D Analytes: Low 8260 Init. Concentration: 5/10/20/100/200ppm
Stock Solution #3 47V0A34C Analytes: 8260 Init. Concentration: 50/100/200/1000/2000ppm
Stock Solution #4 47V0A346 Analytes: Ketones Init. Concentration: 2000ppm
Stock Solution #5 47V0A38E Analytes: Low Ketones Init. Concentration: 200ppm

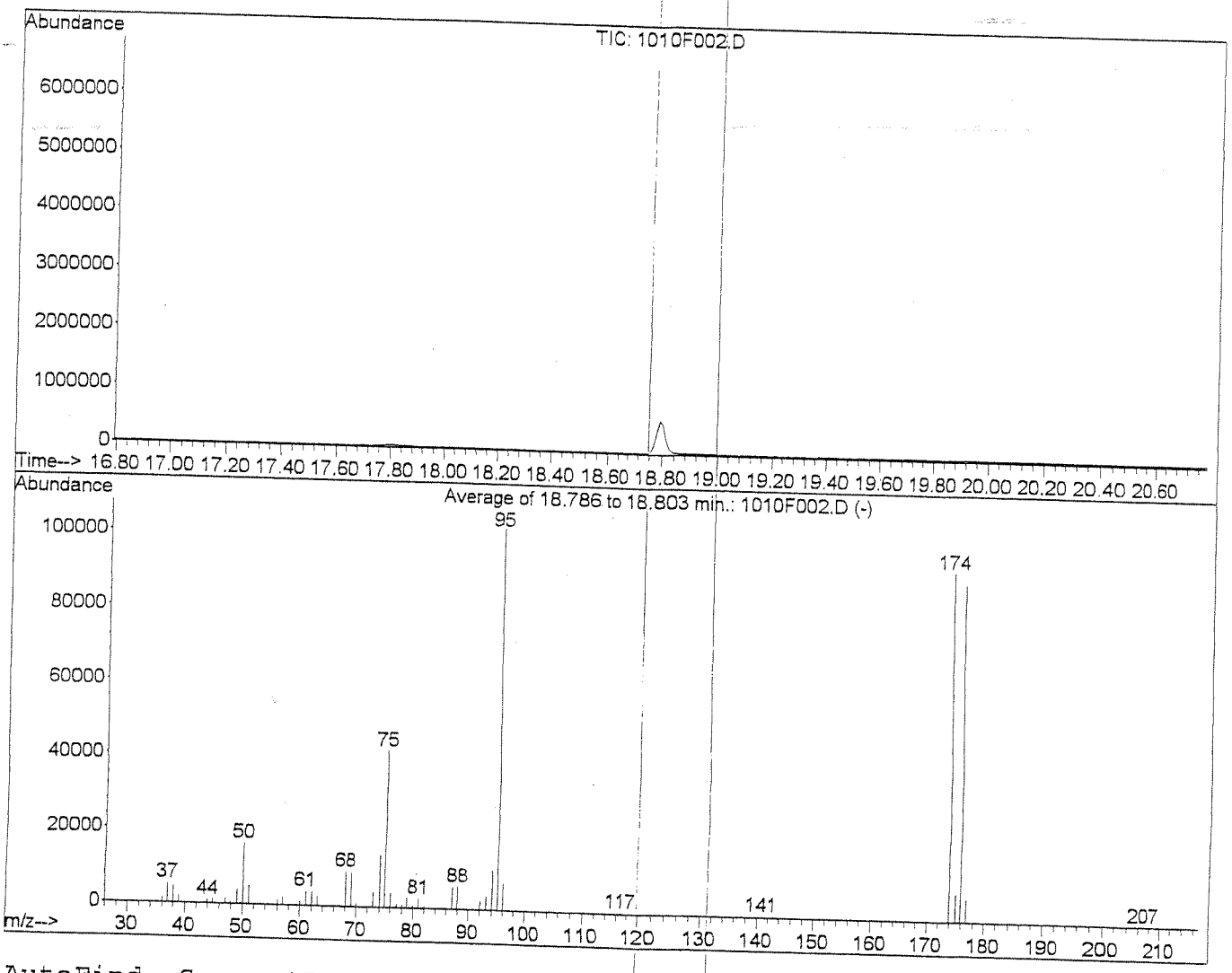
Aliquot of Stock Solution #1 (µL)	Final Conc. of #1 (µg/L)	Aliquot of Stock Solution #2 (µL)	Final Conc. of #2 (µg/L)	Aliquot of Stock Solution #3 (µL)	Final Conc. of #3 (µg/L)	Aliquot of Stock Solution #4 (µL)	Final Conc. of #4 (µg/L)	Aliquot of Stock Solution #5 (µL)	Final Conc. of #5 (µg/L)	Final Volume (mL)	Notes
-	-	1	0.1	-	-	-	-	1	4	50	
1.0	4	2	0.2	-	-	-	-	2.5	10	50	
1.25	5	5.0	0.5	-	-	-	-	5	20	50	
1.5	6	10	1	-	-	-	-	10	40	50	
1.75	7	-	-	2.0	2	2	80	-	-	50	
2.0	8	-	-	5.0	5	2.5	100	-	-	50	
2.5	10	-	-	10	10	5.0	200	-	-	50	
5	20	-	-	20	20	10	400	-	-	50	
10	40	-	-	40	40	20	800	-	-	50	
12.5	50	-	-	60	60	40	1600	-	-	50	

8260 ICV: 10uL of 50/250ppm Accustd ICV (47V0A40B) + 50uL of 100ppm Acrolein (47V0A34E) + 2.5uL of 200ppm Surrogates (47V0A33F) + 5uL of 100ppm Dichlorofluoromethane (47V0A31B) + 5uL of 200ppm n-Octane/TBF/Tetrahydrafuran (47V0A36E) + 7.5uL of 200/2000ppm Appendix ICV (47V0A38D) + 5uL of 200/1000ppm Oxygenate (47V0A30D) to 50 ml.

BFB

Data File : J:\MS04\DATA\101007\1010F002.D
Acq On : 10 Oct 2007 10:42 am
Sample : 50NG BFB
Misc :
MS Integration Params: RTEINT.P
Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624

Vial: 2
Operator: HC
Inst : MS04
Multiplr: 1.00



AutoFind: Scans 1774, 1775, 1776; Background Corrected with Scan 1768

HC 10-11-07

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.8	16241	PASS
75	95	30	60	40.9	41976	PASS
95	95	100	100	100.0	102728	PASS
96	95	5	9	6.8	7019	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	91.2	93656	PASS
175	174	5	9	7.9	7367	PASS
176	174	95	101	96.5	90392	PASS
177	176	5	9	6.8	6105	PASS

1010F002.D 101007MS04-8260.M Wed Oct 10 16:43:16 2007

F-A-h 10/11/7

Data File : J:\MS04\DATA\101007\1010F004.D
Acq On : 10 Oct 2007 11:46 am
Sample : 8260 ICAL 0.1PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05:33 2007

Vial: 4
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

HC 10·10·07
E.A.h. 10/11/07

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	13.19	96	1693351	10.00	PPB	0.01
63) Chlorobenzene-d5	17.45	117	1167909	10.00	PPB	0.00
83) 1,4-Dichlorobenzene-d4	20.09	152	541631	10.00	PPB	0.01
System Monitoring Compounds						
41) Dibromofluoromethane	0.00	113	0	0.00	PPB	
Spiked Amount 10.000			Recovery =	0.00%		
47) 1,2-Dichloroethane-d4	0.00	65	0	0.00	PPB	
Spiked Amount 10.000			Recovery =	0.00%		
61) Toluene-d8	15.52	98	2028	0.02	PPB	0.00
Spiked Amount 10.000			Recovery =	0.20%		
82) 4-Bromofluorobenzene	0.00	95	0	0.00	PPB	
Spiked Amount 10.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.83	85	3531	0.07	PPB	83
4) Vinyl Chloride	5.58	62	4680	0.08	PPB	85
6) Chloroethane	6.59	64	3379	0.08	PPB	72
7) Dichlorofluoromethane	6.97	67	8449	0.09	PPB	95
8) Trichlorofluoromethane	7.12	101	4432	0.07	PPB	87
10) Trichlorotrifluoroethane	8.09	151	2721	0.07	PPB	94
11) 1,1-Dichloroethene	8.13	96	3328	0.08	PPB	84
12) Acetone	8.20	43	19184	4.36	PPB	96
14) Carbon Disulfide	8.62	76	14946	0.08	PPB	84
15) Acrolein	7.93	56	7301	2.09	PPB	93
19) Methylene Chloride	9.00	84	19780	0.37	PPB	93
21) Methyl tert-Butyl Ether	9.42	73	12870	0.19	PPB	95
22) trans-1,2-Dichloroethene	9.48	96	4908	0.09	PPB	80
23) Hexane	9.90	57	5489	0.09	PPB	87
24) 1,1-Dichloroethane	10.23	63	8249	0.10	PPB	86
26) Acrylonitrile	9.43	53	2784	0.37	PPB	76
27) Diisopropyl Ether	10.21	45	15293	0.12	PPB	90
28) Chloroprene	10.39	88	10323	0.27	PPB	88
29) tert-Butyl Ethyl Ether	10.88	59	8768	0.09	PPB	90
30) 2,2-Dichloropropane	11.29	77	5607	0.09	PPB	85
32) cis-1,2-Dichloroethene	11.28	96	5121	0.09	PPB	84
33) 2-Butanone	11.25	72	5624	3.16	PPB	99
37) Chloroform	11.79	83	7887	0.10	PPB	97
40) 1,1,1-Trichloroethane	12.17	97	4509	0.07	PPB	85
45) 1,1-Dichloropropene	12.43	75	4946	0.08	PPB	94
48) Benzene	12.79	78	18004	0.10	PPB	94
49) 1,2-Dichloroethane	12.80	62	3989	0.10	PPB	77

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

Data File : J:\MS04\DATA\101007\1010F004.D
Acq On : 10 Oct 2007 11:46 am
Sample : 8260 ICAL 0.1PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05:33 2007

Vial: 4
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	Trichloroethene	13.76	95	3504	0.07	PPB		92
53)	1,2-Dichloropropane	14.12	63	4305	0.10	PPB		95
56)	Bromodichloromethane	14.48	83	4568	0.09	PPB		81
59)	cis-1,3-Dichloropropene	15.12	75	5557	0.09	PPB		94
60)	4-Methyl-2-pentanone (MIBK	15.29	100	7597	3.11	PPB	#	68
62)	Toluene	15.62	92	8742	0.08	PPB		98
65)	n-Octane	15.63	85	2326	0.08	PPB	#	88
66)	trans-1,3-Dichloropropene	15.88	75	3794	0.09	PPB	#	50
67)	1,1,2-Trichloroethane	16.15	83	2135	0.10	PPB		86
68)	Tetrachloroethene	16.37	164	3662	0.09	PPB		96
69)	2-Hexanone	16.41	57	5254	3.23	PPB		91
70)	1,3-Dichloropropane	16.39	76	4473	0.09	PPB		81
72)	1,2-Dibromoethane (EDB)	16.91	107	2433	0.09	PPB		79
74)	Chlorobenzene	17.48	112	11548	0.09	PPB		85
75)	Ethylbenzene	17.56	106	3899	0.06	PPB	#	80
76)	1,1,1,2-Tetrachloroethane	17.56	131	3626	0.09	PPB		95
77)	m,p-Xylenes	17.69	106	11282	0.14	PPB		86
78)	o-Xylene	18.19	106	5740	0.07	PPB		82
79)	Styrene	18.20	104	8297	0.07	PPB		96
81)	Isopropylbenzene	18.58	105	13440	0.07	PPB		95
86)	Bromobenzene	19.01	156	3994	0.08	PPB		98
87)	n-Propylbenzene	19.03	91	15673	0.07	PPB		96
90)	2-Chlorotoluene	19.18	91	12503	0.09	PPB		95
91)	1,3,5-Trimethylbenzene	19.19	105	10413	0.07	PPB		97
92)	4-Chlorotoluene	19.29	91	10802	0.09	PPB		93
93)	tert-Butylbenzene	19.58	134	2103	0.06	PPB	#	74
94)	1,2,4-Trimethylbenzene	19.63	105	10629	0.08	PPB		94
95)	sec-Butylbenzene	19.82	105	12243	0.07	PPB		99
96)	p-Isopropyltoluene	19.95	119	11403	0.07	PPB		98
97)	1,3-Dichlorobenzene	20.02	146	8266	0.09	PPB		94
98)	1,4-Dichlorobenzene	20.11	146	9241	0.10	PPB		97
99)	n-Butylbenzene	20.41	91	8551	0.06	PPB		99
100)	1,2-Dichlorobenzene	20.56	146	7121	0.09	PPB		94
102)	1,3,5-Trichlorobenzene	21.70	180	4293	0.08	PPB		79

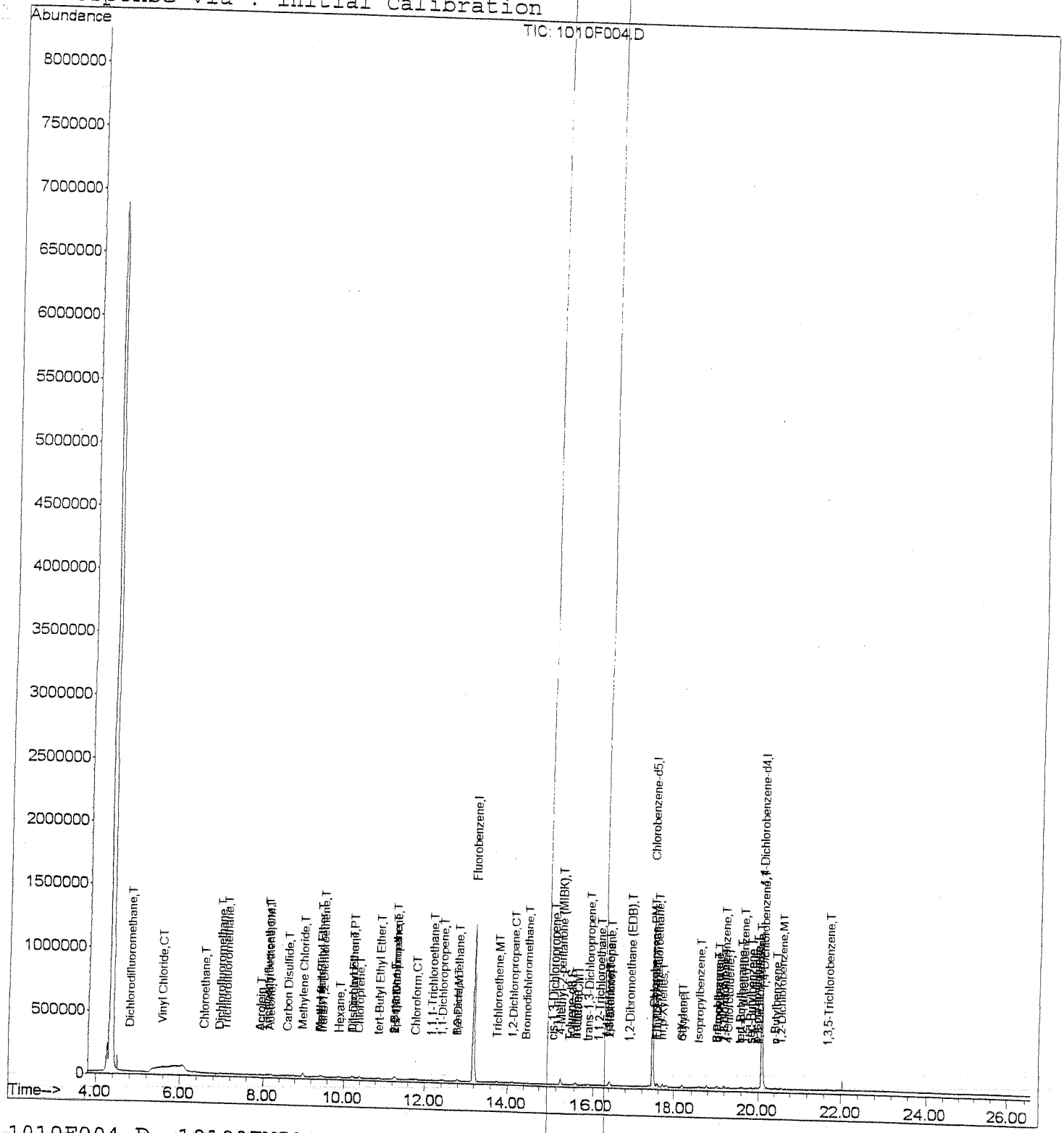
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS04\DATA\101007\1010F004.D
Acq On : 10 Oct 2007 11:46 am
Sample : 8260 ICAL 0.1PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:07 2007

Vial: 4
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration



1010F004.D 101007MS04-8260.M Wed Oct 10 16:19:19 2007 Page 3

Data File : J:\MS04\DATA\101007\1010F005.D
Acq On : 10 Oct 2007 12:18 pm
Sample : 8260 ICAL 0.2PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05:36 2007

Vial: 5
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

HC 10.10.07
F-A-h-10/11/7.

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	13.19	96	1687464	10.00	PPB		0.01
63) Chlorobenzene-d5	17.44	117	1182982	10.00	PPB		0.00
83) 1,4-Dichlorobenzene-d4	20.09	152	551322	10.00	PPB		0.01
System Monitoring Compounds							
41) Dibromofluoromethane	12.08	113	189027	4.76	PPB		0.01
Spiked Amount 10.000			Recovery =	47.60%			
47) 1,2-Dichloroethane-d4	12.68	65	131982	4.62	PPB		0.01
Spiked Amount 10.000			Recovery =	46.20%			
61) Toluene-d8	15.52	98	499484	4.83	PPB		0.00
Spiked Amount 10.000			Recovery =	48.30%			
82) 4-Bromofluorobenzene	18.80	95	187088	4.34	PPB		0.01
Spiked Amount 10.000			Recovery =	43.40%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	4.82	85	9632	0.18	PPB		97
3) Chloromethane	5.31	50	15298	0.24	PPB		97
4) Vinyl Chloride	5.59	62	9780	0.17	PPB		87
5) Bromomethane	6.37	94	9846	0.26	PPB		91
6) Chloroethane	6.59	64	8876	0.22	PPB		93
7) Dichlorofluoromethane	6.97	67	19852	0.20	PPB		96
8) Trichlorofluoromethane	7.11	101	11796	0.19	PPB		89
9) Ether	7.64	59	4605	0.18	PPB	#	66
10) Trichlorotrifluoroethane	8.09	151	7666	0.19	PPB		96
11) 1,1-Dichloroethene	8.13	96	8329	0.20	PPB		93
12) Acetone	8.19	43	44566	10.17	PPB		97
13) Iodomethane	8.47	127	7121	0.25	PPB		95
14) Carbon Disulfide	8.62	76	35132	0.20	PPB		93
15) Acrolein	7.92	56	13043	3.75	PPB		95
17) 3-Cloro-1-propene	8.78	41	17844m	0.25	PPB		
18) Acetonitrile	8.72	41	22541	9.40	PPB		95
19) Methylene Chloride	9.00	84	25564	0.48	PPB		96
21) Methyl tert-Butyl Ether	9.42	73	26074	0.39	PPB		97
22) trans-1,2-Dichloroethene	9.49	96	11137	0.20	PPB		83
23) Hexane	9.90	57	12117	0.20	PPB		91
24) 1,1-Dichloroethane	10.24	63	17587	0.20	PPB		99
27) Diisopropyl Ether	10.22	45	26919	0.21	PPB		97
28) Chloroprene	10.39	88	23679	0.61	PPB		99
29) tert-Butyl Ethyl Ether	10.88	59	17757	0.19	PPB		95
30) 2,2-Dichloropropane	11.29	77	12267	0.21	PPB		94
32) cis-1,2-Dichloroethene	11.28	96	11035	0.20	PPB		90
33) 2-Butanone	11.24	72	15104	8.53	PPB		93

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

Data File : J:\MS04\DATA\101007\1010F005.D
Acq On : 10 Oct 2007 12:18 pm
Sample : 8260 ICAL 0.2PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05:36 2007

Vial: 5
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
35) Methacrylonitrile	11.66	67	5569	0.69	PPB		81
36) Bromochloromethane	11.71	128	5335	0.20	PPB		93
37) Chloroform	11.79	83	16409	0.21	PPB		91
38) tert-butyl Formate	11.87	59	2734	0.16	PPB	#	71
40) 1,1,1-Trichloroethane	12.17	97	10901	0.18	PPB		94
44) Carbon Tetrachloride	12.46	117	8859	0.17	PPB		98
45) 1,1-Dichloropropene	12.42	75	11559	0.18	PPB		96
46) tert-Amyl Methyl-ether	12.84	55	4125	0.24	PPB	#	55
48) Benzene	12.79	78	36445	0.20	PPB		93
49) 1,2-Dichloroethane	12.80	62	8181	0.20	PPB		87
50) Trichloroethene	13.75	95	9075	0.19	PPB		86
53) 1,2-Dichloropropane	14.12	63	9387	0.21	PPB		96
55) Dibromomethane	14.31	93	4596	0.21	PPB		88
56) Bromodichloromethane	14.48	83	10493	0.21	PPB		94
59) cis-1,3-Dichloropropene	15.12	75	11189	0.19	PPB		90
60) 4-Methyl-2-pentanone (MIBK	15.28	100	19937	8.18	PPB		97
62) Toluene	15.62	92	21693	0.19	PPB		96
65) n-Octane	15.64	85	5593	0.19	PPB		91
66) trans-1,3-Dichloropropene	15.87	75	7550	0.17	PPB		85
67) 1,1,2-Trichloroethane	16.15	83	4281	0.19	PPB		95
68) Tetrachloroethene	16.37	164	8624	0.20	PPB		97
69) 2-Hexanone	16.41	57	12487	7.58	PPB		92
70) 1,3-Dichloropropane	16.39	76	9722	0.20	PPB		95
71) Dibromochloromethane	16.71	129	6823	0.19	PPB		86
72) 1,2-Dibromoethane (EDB)	16.90	107	5398	0.19	PPB		97
73) 1-Chlorohexane	17.34	55	6831	0.18	PPB		92
74) Chlorobenzene	17.48	112	24897	0.20	PPB		97
75) Ethylbenzene	17.56	106	10897	0.17	PPB		91
76) 1,1,1,2-Tetrachloroethane	17.55	131	8220	0.20	PPB		98
77) m,p-Xylenes	17.69	106	27438	0.34	PPB		97
78) o-Xylene	18.18	106	13177	0.17	PPB		93
79) Styrene	18.20	104	19250	0.15	PPB		98
81) Isopropylbenzene	18.58	105	32324	0.16	PPB		99
84) cis-1,4-Dichloro-2-Butene	18.65	88	2955	0.60	PPB		98
86) Bromobenzene	19.01	156	9892	0.20	PPB		99
87) n-Propylbenzene	19.03	91	37998	0.17	PPB		99
90) 2-Chlorotoluene	19.18	91	25948	0.18	PPB		98
91) 1,3,5-Trimethylbenzene	19.19	105	24073	0.17	PPB		96
92) 4-Chlorotoluene	19.29	91	26246	0.20	PPB		93
93) tert-Butylbenzene	19.58	134	5876	0.16	PPB	#	90
94) 1,2,4-Trimethylbenzene	19.63	105	25356	0.18	PPB		96

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

Data File : J:\MS04\DATA\101007\1010F005.D
Acq On : 10 Oct 2007 12:18 pm
Sample : 8260 ICAL 0.2PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05:36 2007

Vial: 5
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
95) sec-Butylbenzene	19.82	105	31674	0.17	PPB	99
96) p-Isopropyltoluene	19.95	119	27080	0.16	PPB	95
97) 1,3-Dichlorobenzene	20.02	146	18120	0.20	PPB	99
98) 1,4-Dichlorobenzene	20.11	146	19896	0.21	PPB	94
99) n-Butylbenzene	20.42	91	23053	0.16	PPB	94
100) 1,2-Dichlorobenzene	20.56	146	15631	0.20	PPB	95
102) 1,3,5-Trichlorobenzene	21.70	180	9783	0.17	PPB	95
103) 1,2,4-Trichlorobenzene	22.53	180	6470	0.17	PPB	84
104) Hexachlorobutadiene	22.67	225	3527	0.19	PPB	80
106) 1,2,3-Trichlorobenzene	23.25	180	4382	0.17	PPB	99

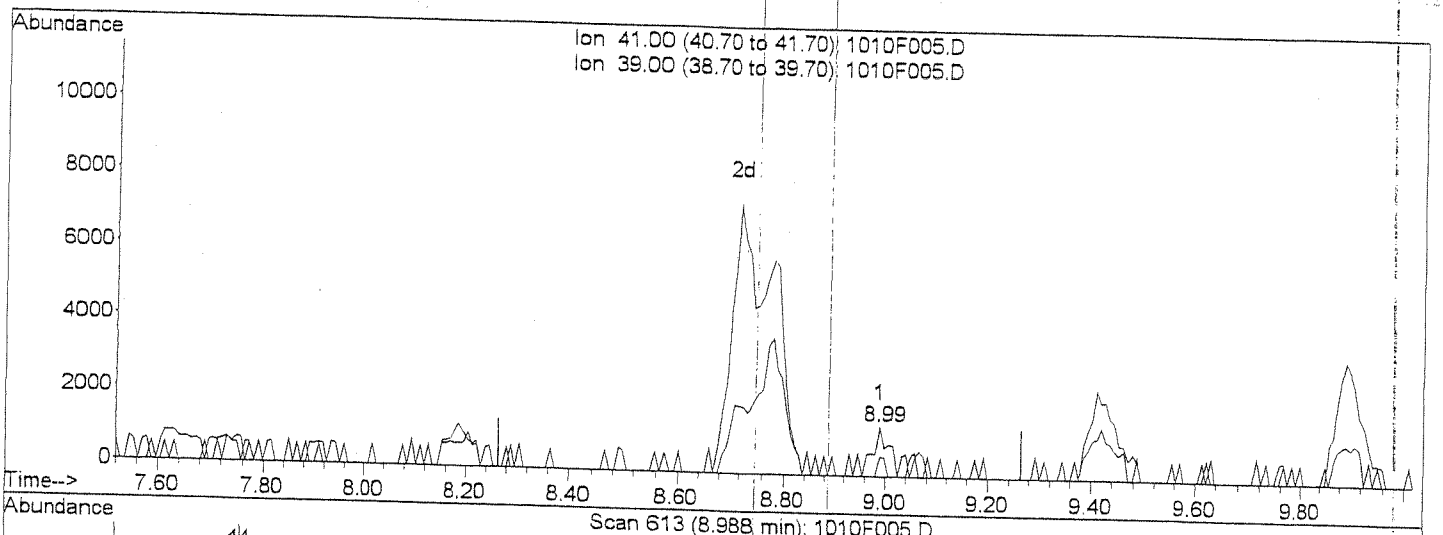
(#) = qualifier out of range (m) = manual integration

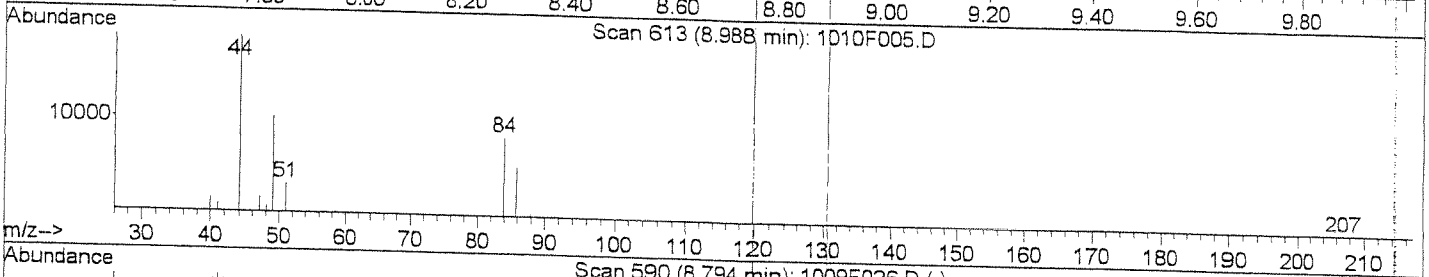
Data File : J:\MS04\DATA\101007\1010F005.D
Acq On : 10 Oct 2007 12:18 pm
Sample : 8260 ICAL 0.2PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:08 2007

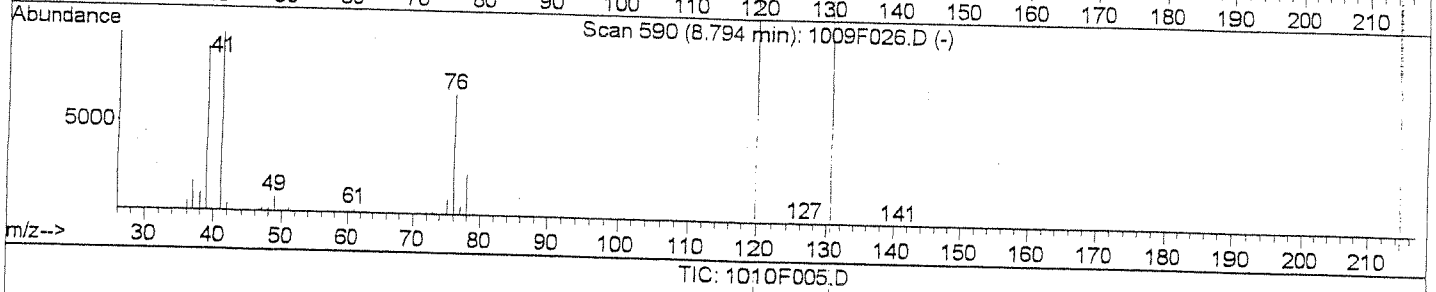
Vial: 5
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Multiple Level Calibration







TIC: 1010F005.D

(17) 3-Cloro-1-propene (T)

8.99min 0.04PPB

response 2809

Ion	Exp%	Act%
41.00	100	100
39.00	57.90	38.93
0.00	0.00	0.00
0.00	0.00	0.00

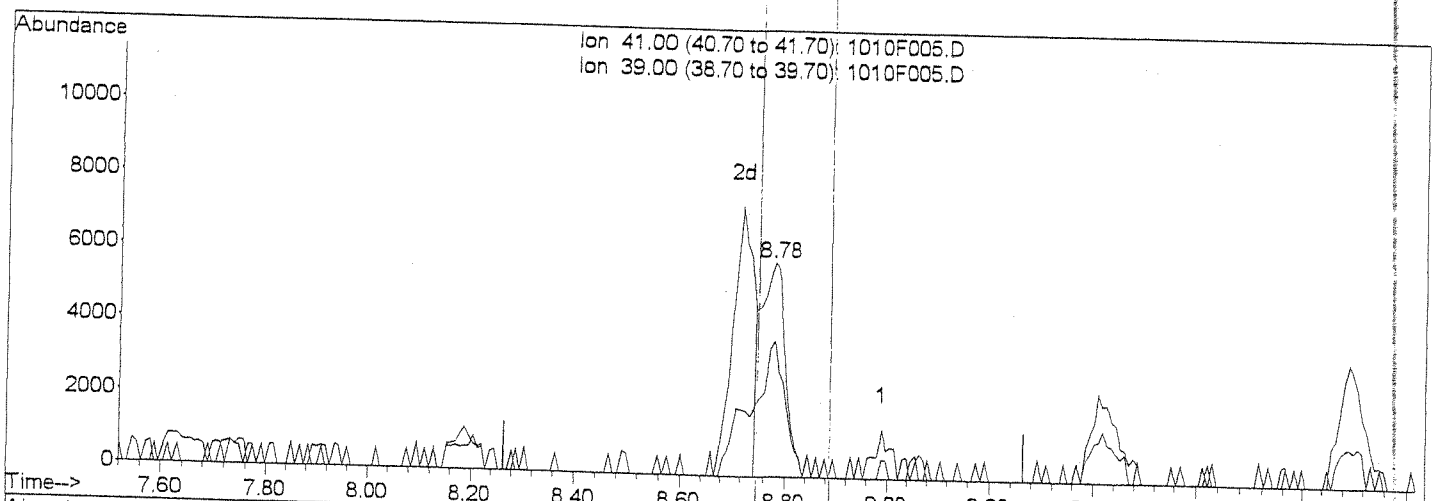
1010F005.D 101007MS04-8260.M Wed Oct 10 16:08:16 2007

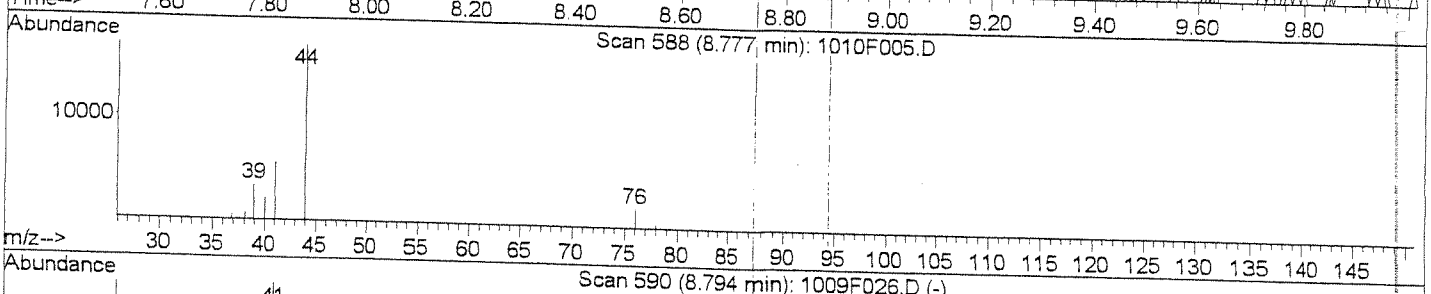
Data File : J:\MS04\DATA\101007\1010F005.D
Acq On : 10 Oct 2007 12:18 pm
Sample : 8260 ICAL 0.2PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:08 2007

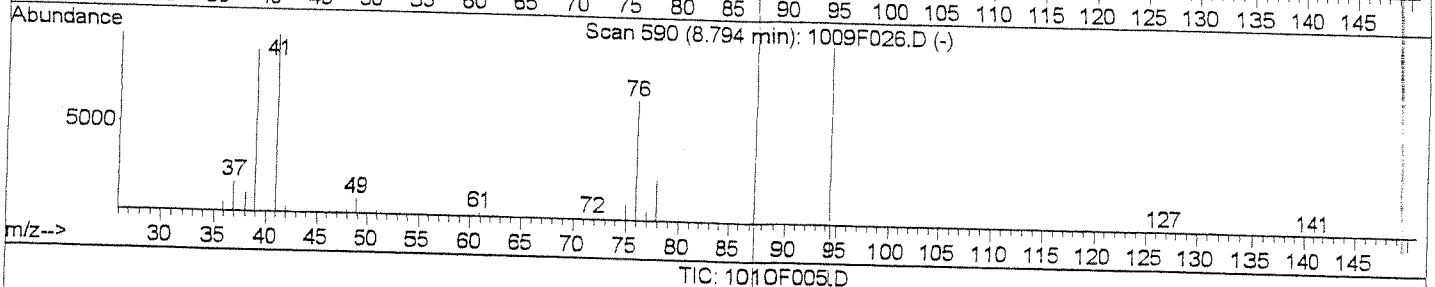
Vial: 5
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Multiple Level Calibration







TIC: 1010F005.D

(17) 3-Cloro-1-propene (T)

8.78min 0.25PPB m

response 17844

Ion	Exp%	Act%
41.00	100	100
39.00	57.90	63.20
0.00	0.00	0.00
0.00	0.00	0.00

Wrong peak

HZ 10.10.07

F.A.h. 10/11/7.

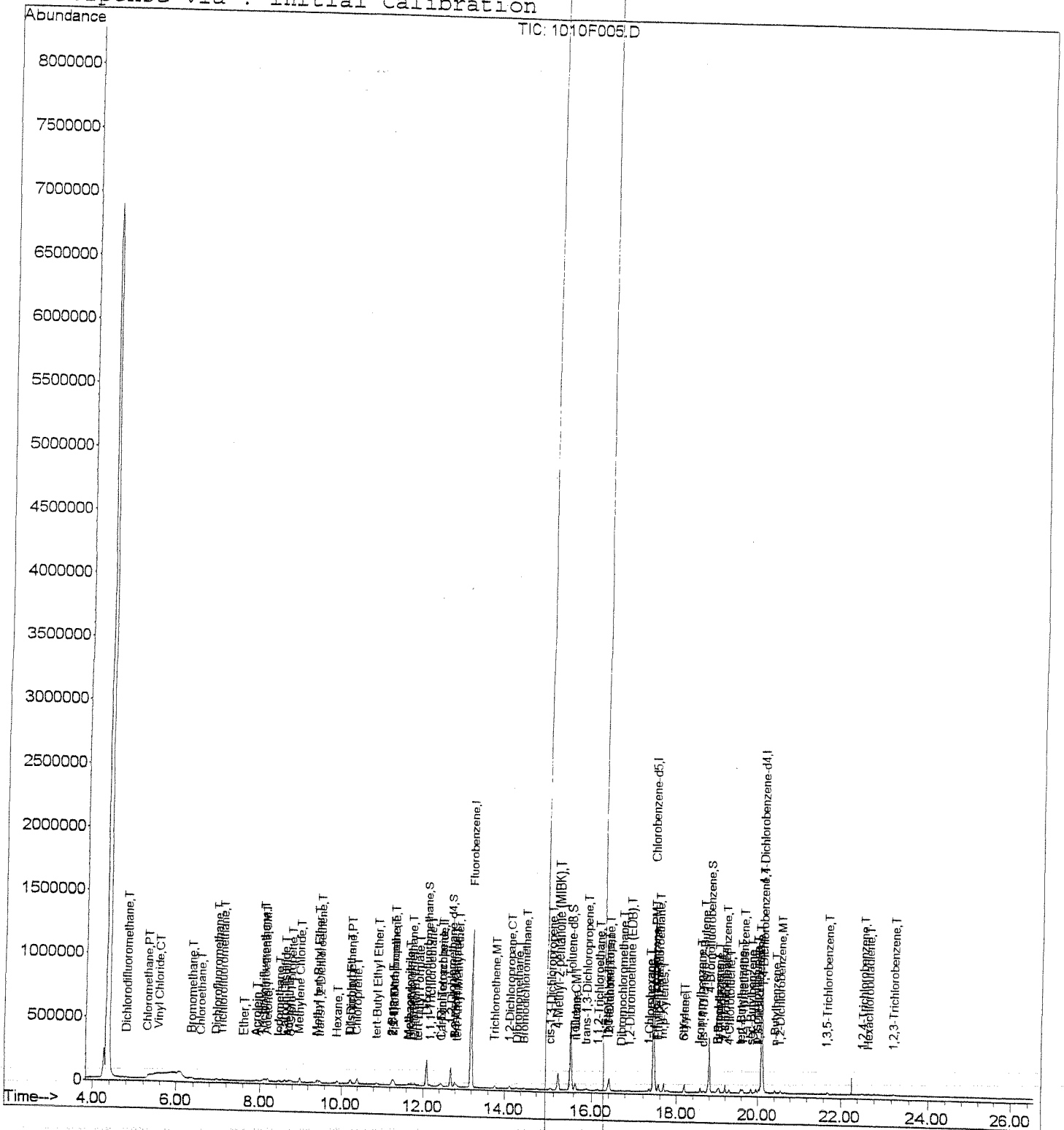
1010F005.D 101007MS04-8260.M Wed Oct 10 16:08:24 2007

Data File : J:\MS04\DATA\101007\1010F005.D
Acq On : 10 Oct 2007 12:18 pm
Sample : 8260 ICAL 0.2PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:09 2007

Vial: 5
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration



1010F005.D 101007MS04-8260.M Wed Oct 10 16:19:22 2007 Page 4

Data File : J:\MS04\DATA\101007\1010F006.D
Acq On : 10 Oct 2007 12:50 pm
Sample : 8260 ICAL 0.5PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05:41 2007

Vial: 6
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

HL 10.10.07
E-A-h 10/11/7

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	13.19	96	1677507	10.00	PPB	0.01
63) Chlorobenzene-d5	17.44	117	1177591	10.00	PPB	0.00
83) 1,4-Dichlorobenzene-d4	20.08	152	555021	10.00	PPB	0.00
System Monitoring Compounds						
41) Dibromofluoromethane	12.08	113	204834	5.18	PPB	0.01
Spiked Amount 10.000			Recovery =	51.80%		
47) 1,2-Dichloroethane-d4	12.67	65	148855	5.25	PPB	0.00
Spiked Amount 10.000			Recovery =	52.50%		
61) Toluene-d8	15.52	98	508254	4.94	PPB	0.00
Spiked Amount 10.000			Recovery =	49.40%		
82) 4-Bromofluorobenzene	18.79	95	207264	4.83	PPB	0.00
Spiked Amount 10.000			Recovery =	48.30%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.82	85	26616	0.51	PPB	93
3) Chloromethane	5.31	50	35388	0.57	PPB	96
4) Vinyl Chloride	5.58	62	29616	0.52	PPB	93
5) Bromomethane	6.37	94	19552	0.52	PPB	89
6) Chloroethane	6.59	64	22458	0.56	PPB	92
7) Dichlorofluoromethane	6.97	67	51792	0.53	PPB	100
8) Trichlorofluoromethane	7.11	101	33065	0.53	PPB	100
9) Ether	7.63	59	12655	0.50	PPB	88
10) Trichlorotrifluoroethane	8.08	151	21485	0.54	PPB	97
11) 1,1-Dichloroethene	8.13	96	22234	0.52	PPB	95
12) Acetone	8.19	43	96210	22.09	PPB	97
13) Iodomethane	8.46	127	29146	1.05	PPB	97
14) Carbon Disulfide	8.62	76	91980	0.52	PPB	97
15) Acrolein	7.92	56	33029	9.55	PPB	97
17) 3-Cloro-1-propene	8.78	41	34366	0.48	PPB	99
18) Acetonitrile	8.72	41	54905	23.04	PPB	96
19) Methylene Chloride	9.00	84	43517	0.83	PPB	91
21) Methyl tert-Butyl Ether	9.42	73	66341	0.99	PPB	98
22) trans-1,2-Dichloroethene	9.49	96	28457	0.52	PPB	90
23) Hexane	9.89	57	31386	0.52	PPB	97
24) 1,1-Dichloroethane	10.23	63	43865	0.51	PPB	97
25) Vinyl Acetate	10.22	86	4906	0.90	PPB #	59
26) Acrylonitrile	9.42	53	15375	2.07	PPB	98
27) Diisopropyl Ether	10.21	45	66314	0.51	PPB	98
28) Chloroprene	10.39	88	70308	1.83	PPB	96
29) tert-Butyl Ethyl Ether	10.87	59	46470	0.50	PPB	99
30) 2,2-Dichloropropane	11.29	77	31599	0.54	PPB	98

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

Data File : J:\MS04\DATA\101007\1010F006.D
Acq On : 10 Oct 2007 12:50 pm
Sample : 8260 ICAL 0.5PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05:41 2007

Vial: 6
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
31) Ethyl Acetate	11.28	70	4175	1.99	PPB		96
32) cis-1,2-Dichloroethene	11.28	96	28941	0.52	PPB		99
33) 2-Butanone	11.24	72	35842	20.36	PPB	#	84
35) Methacrylonitrile	11.65	67	15121	1.88	PPB		83
36) Bromochloromethane	11.71	128	12960	0.50	PPB		86
37) Chloroform	11.79	83	41614	0.52	PPB		99
38) tert-butyl Formate	11.87	59	8177	0.47	PPB		83
40) 1,1,1-Trichloroethane	12.17	97	30768	0.51	PPB		95
43) Isobutyl Alcohol	12.40	43	12662	29.10	PPB	#	73
44) Carbon Tetrachloride	12.45	117	26939	0.52	PPB		91
45) 1,1-Dichloropropene	12.42	75	31661	0.49	PPB		94
46) tert-Amyl Methyl-ether	12.84	55	10182	0.59	PPB	#	60
48) Benzene	12.79	78	97285	0.52	PPB		98
49) 1,2-Dichloroethane	12.79	62	20970	0.52	PPB		96
50) Trichloroethene	13.75	95	24530	0.52	PPB		97
52) Methyl methacrylate	14.14	69	5485	0.44	PPB	#	66
53) 1,2-Dichloropropane	14.12	63	22788	0.52	PPB		93
55) Dibromomethane	14.31	93	11629	0.52	PPB		96
56) Bromodichloromethane	14.49	83	25271	0.50	PPB		97
58) 2-Nitropropane	14.82	41	10169	2.85	PPB		85
59) cis-1,3-Dichloropropene	15.12	75	28619	0.48	PPB		95
60) 4-Methyl-2-pentanone (MIBK	15.28	100	43768	18.07	PPB		93
62) Toluene	15.62	92	56863	0.50	PPB		92
64) Ethyl methacrylate	15.89	69	10773	0.42	PPB		89
65) n-Octane	15.64	85	14233	0.49	PPB		86
66) trans-1,3-Dichloropropene	15.87	75	20583	0.47	PPB		92
67) 1,1,2-Trichloroethane	16.14	83	11638	0.53	PPB		95
68) Tetrachloroethene	16.37	164	22438	0.53	PPB		97
69) 2-Hexanone	16.41	57	29304	17.86	PPB		95
70) 1,3-Dichloropropane	16.39	76	24045	0.50	PPB		98
71) Dibromochloromethane	16.71	129	17917	0.51	PPB		86
72) 1,2-Dibromoethane (EDB)	16.90	107	14523	0.52	PPB		88
73) 1-Chlorohexane	17.34	55	18970	0.49	PPB		98
74) Chlorobenzene	17.48	112	65542	0.52	PPB		99
75) Ethylbenzene	17.56	106	30436	0.47	PPB		94
76) 1,1,1,2-Tetrachloroethane	17.55	131	20586	0.50	PPB		92
77) m,p-Xylenes	17.69	106	76719	0.94	PPB		99
78) o-Xylene	18.18	106	35846	0.46	PPB		97
79) Styrene	18.20	104	53728	0.43	PPB		97
80) Bromoform	18.47	173	8431	0.48	PPB		93
81) Isopropylbenzene	18.58	105	88458	0.45	PPB		95

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

Data File : J:\MS04\DATA\101007\1010F006.D
Acq On : 10 Oct 2007 12:50 pm
Sample : 8260 ICAL 0.5PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05:41 2007

Vial: 6
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
84)	cis-1,4-Dichloro-2-Butene	18.65	88	8337	1.69	PPB		90
85)	1,1,2,2-Tetrachloroethane	18.90	83	13048	0.52	PPB		98
86)	Bromobenzene	19.01	156	25297	0.51	PPB		92
87)	n-Propylbenzene	19.03	91	106910	0.47	PPB		97
89)	1,2,3-Trichloropropane	18.99	110	3431	0.49	PPB	#	70
90)	2-Chlorotoluene	19.18	91	73441	0.52	PPB		98
91)	1,3,5-Trimethylbenzene	19.19	105	69857	0.48	PPB		97
92)	4-Chlorotoluene	19.29	91	65359	0.51	PPB		100
93)	tert-Butylbenzene	19.58	134	17329	0.48	PPB	#	81
94)	1,2,4-Trimethylbenzene	19.62	105	66333	0.46	PPB		99
95)	sec-Butylbenzene	19.82	105	90397	0.47	PPB		99
96)	p-Isopropyltoluene	19.95	119	75775	0.45	PPB		99
97)	1,3-Dichlorobenzene	20.02	146	47745	0.51	PPB		99
98)	1,4-Dichlorobenzene	20.11	146	49543	0.53	PPB		98
99)	n-Butylbenzene	20.41	91	65433	0.46	PPB		99
100)	1,2-Dichlorobenzene	20.56	146	39008	0.50	PPB		99
102)	1,3,5-Trichlorobenzene	21.69	180	26920	0.48	PPB		98
103)	1,2,4-Trichlorobenzene	22.52	180	17650	0.45	PPB		94
104)	Hexachlorobutadiene	22.66	225	9107	0.50	PPB		91
105)	Naphthalene	22.92	128	18362	0.41	PPB		88
106)	1,2,3-Trichlorobenzene	23.26	180	11540	0.44	PPB		95

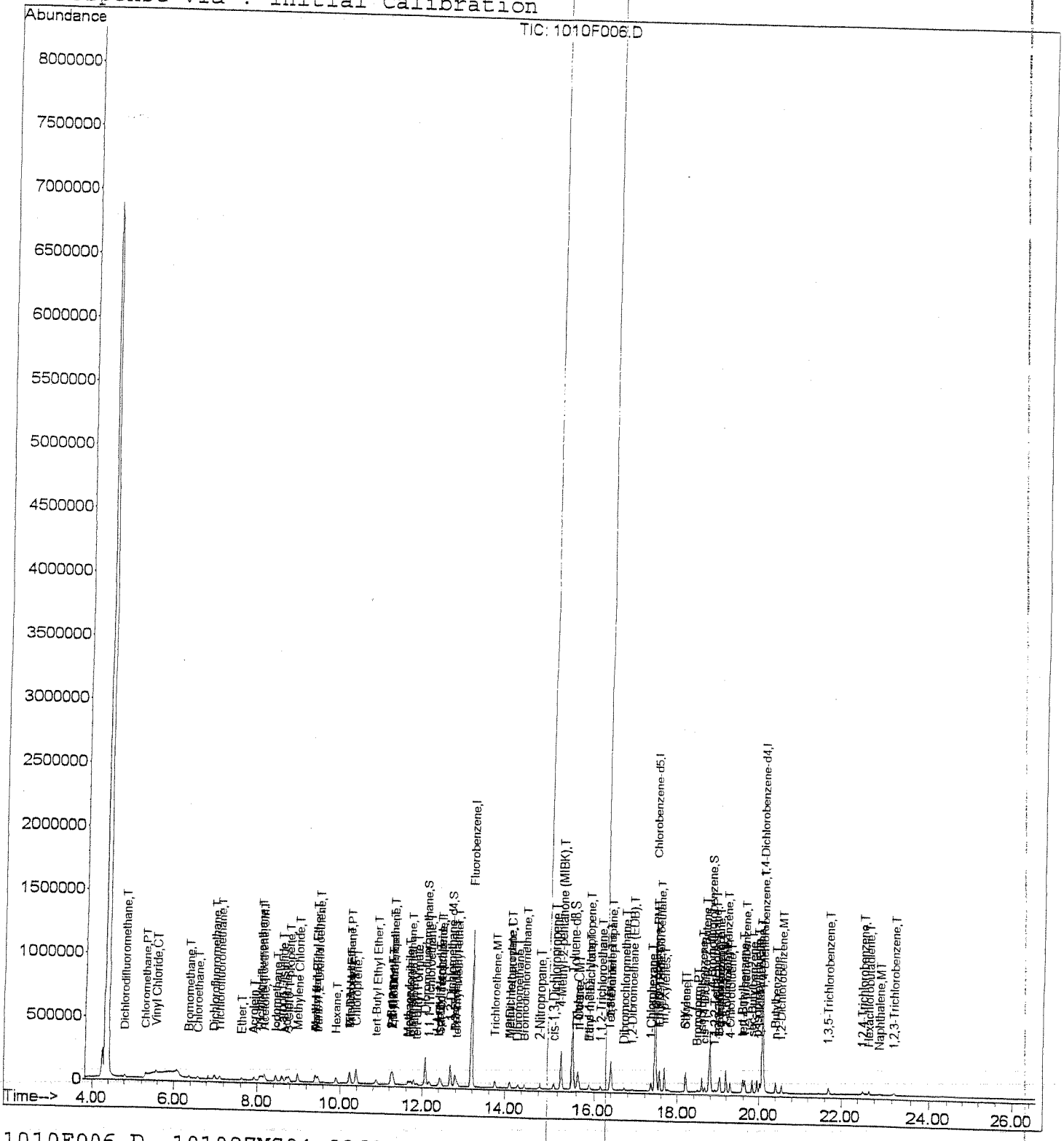
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS04\DATA\101007\1010F006.D
Acq On : 10 Oct 2007 12:50 pm
Sample : 8260 ICAL 0.5PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:14 2007

Vial: 6
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration



1010F006.D 101007MS04-8260.M Wed Oct 10 16:19:24 2007 Page 4

Data File : J:\MS04\DATA\101007\1010F007.D
Acq On : 10 Oct 2007 1:22 pm
Sample : 8260 ICAL 1.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05:46 2007

Vial: 7
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-826(

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

HC 10.10.07
E-A-h 10/11/17.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	13.18	96	1689149	10.00	PPB	0.00
63) Chlorobenzene-d5	17.44	117	1187225	10.00	PPB	0.00
83) 1,4-Dichlorobenzene-d4	20.08	152	565913	10.00	PPB	0.00
System Monitoring Compounds						
41) Dibromofluoromethane	12.08	113	261301	6.57	PPB	0.01
Spiked Amount 10.000			Recovery =	65.70%		
47) 1,2-Dichloroethane-d4	12.67	65	181620	6.36	PPB	0.00
Spiked Amount 10.000			Recovery =	63.60%		
61) Toluene-d8	15.52	98	688116	6.64	PPB	0.00
Spiked Amount 10.000			Recovery =	66.40%		
82) 4-Bromofluorobenzene	18.79	95	284035	6.57	PPB	0.00
Spiked Amount 10.000			Recovery =	65.70%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.82	85	55331	1.06	PPB	99
3) Chloromethane	5.31	50	67567	1.08	PPB	99
4) Vinyl Chloride	5.58	62	58936	1.03	PPB	96
5) Bromomethane	6.37	94	35141	0.93	PPB	97
6) Chloroethane	6.58	64	43307	1.07	PPB	95
7) Dichlorofluoromethane	6.97	67	101661	1.04	PPB	100
8) Trichlorofluoromethane	7.11	101	67163	1.07	PPB	96
9) Ether	7.63	59	24203	0.96	PPB	94
10) Trichlorotrifluoroethane	8.08	151	43437	1.09	PPB	96
11) 1,1-Dichloroethene	8.13	96	43507	1.02	PPB	93
12) Acetone	8.18	43	174712	39.84	PPB	99
13) Iodomethane	8.46	127	80130m	2.85	PPB	
14) Carbon Disulfide	8.62	76	184257	1.03	PPB	98
15) Acrolein	7.92	56	65443	18.79	PPB	91
17) 3-Cloro-1-propene	8.77	41	78930m	1.11	PPB	
18) Acetonitrile	8.72	41	96489	40.21	PPB	98
19) Methylene Chloride	8.99	84	70783	1.34	PPB	93
20) tert-Butyl Alcohol	9.06	59	5714	5.43	PPB	79
21) Methyl tert-Butyl Ether	9.42	73	128432	1.91	PPB	98
22) trans-1,2-Dichloroethene	9.48	96	55821	1.02	PPB	94
23) Hexane	9.89	57	62511	1.02	PPB	98
24) 1,1-Dichloroethane	10.23	63	90956	1.06	PPB	96
25) Vinyl Acetate	10.22	86	10475	1.92	PPB #	57
26) Acrylonitrile	9.42	53	29177	3.91	PPB	99
27) Diisopropyl Ether	10.21	45	124525	0.96	PPB	98
28) Chloroprene	10.39	88	143949	3.72	PPB	98
29) tert-Butyl Ethyl Ether	10.87	59	90198	0.96	PPB	98

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

Data File : J:\MS04\DATA\101007\1010F007.D
Acq On : 10 Oct 2007 1:22 pm
Sample : 8260 ICAL 1.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05:46 2007

Vial: 7
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-826(

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
30) 2,2-Dichloropropane	11.29	77	62579	1.06 PPB		97
31) Ethyl Acetate	11.27	70	8283	3.93 PPB		98
32) cis-1,2-Dichloroethene	11.27	96	56162	1.01 PPB		97
33) 2-Butanone	11.24	72	68257	38.50 PPB	#	88
34) Propionitrile	11.38	54	9652	4.10 PPB		85
35) Methacrylonitrile	11.65	67	30322	3.74 PPB		91
36) Bromochloromethane	11.71	128	26470	1.01 PPB		93
37) Chloroform	11.79	83	82580	1.03 PPB		97
38) tert-butyl Formate	11.87	59	16093	0.91 PPB	#	83
40) 1,1,1-Trichloroethane	12.17	97	62475	1.03 PPB		96
43) Isobutyl Alcohol	12.39	43	20013	45.67 PPB		93
44) Carbon Tetrachloride	12.44	117	53643	1.02 PPB		98
45) 1,1-Dichloropropene	12.42	75	63337	0.98 PPB		96
46) tert-Amyl Methyl-ether	12.84	55	17926	1.03 PPB	#	86
48) Benzene	12.79	78	188193	1.01 PPB		98
49) 1,2-Dichloroethane	12.79	62	41381	1.03 PPB		96
50) Trichloroethene	13.75	95	47579	0.99 PPB		92
52) Methyl methacrylate	14.14	69	11374	0.90 PPB		89
53) 1,2-Dichloropropane	14.12	63	43665	0.99 PPB		97
55) Dibromomethane	14.30	93	22569	1.01 PPB		90
56) Bromodichloromethane	14.49	83	50419	0.99 PPB		100
57) 2-Chloroethyl Vinyl Ether	14.84	63	7242	0.94 PPB		90
58) 2-Nitropropane	14.81	41	18887	5.25 PPB		94
59) cis-1,3-Dichloropropene	15.12	75	56406	0.94 PPB		97
60) 4-Methyl-2-pentanone (MIBK	15.28	100	90896	37.27 PPB	#	87
62) Toluene	15.62	92	111756	0.98 PPB		99
64) Ethyl methacrylate	15.89	69	21642	0.84 PPB		97
65) n-Octane	15.63	85	28716	0.99 PPB		98
66) trans-1,3-Dichloropropene	15.87	75	40434	0.92 PPB		98
67) 1,1,2-Trichloroethane	16.15	83	22325	1.00 PPB		95
68) Tetrachloroethene	16.37	164	43861	1.02 PPB		95
69) 2-Hexanone	16.41	57	59347	35.89 PPB		99
70) 1,3-Dichloropropane	16.39	76	47869	1.00 PPB		97
71) Dibromochloromethane	16.71	129	34403	0.96 PPB		96
72) 1,2-Dibromoethane (EDB)	16.90	107	27459	0.97 PPB		99
73) 1-Chlorohexane	17.34	55	38637	1.00 PPB		95
74) Chlorobenzene	17.48	112	127079	1.01 PPB		97
75) Ethylbenzene	17.56	106	61791	0.96 PPB		100
76) 1,1,1,2-Tetrachloroethane	17.55	131	40401	0.97 PPB		97
77) m,p-Xylenes	17.69	106	155161	1.89 PPB		97
78) o-Xylene	18.18	106	72191	0.93 PPB		99

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

Data File : J:\MS04\DATA\101007\1010F007.D
Acq On : 10 Oct 2007 1:22 pm
Sample : 8260 ICAL 1.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05:46 2007

Vial: 7
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
79)	Styrene	18.19	104	107873	0.86	PPB	97
80)	Bromoform	18.47	173	16743	0.94	PPB	97
81)	Isopropylbenzene	18.57	105	180039	0.91	PPB	99
84)	cis-1,4-Dichloro-2-Butene	18.65	88	16722	3.33	PPB	92
85)	1,1,2,2-Tetrachloroethane	18.90	83	26033	1.03	PPB	99
86)	Bromobenzene	19.01	156	50361	0.99	PPB	99
87)	n-Propylbenzene	19.03	91	215710	0.93	PPB	98
88)	trans-1,3-Dichloro-2-Buten	18.95	53	4334	0.90	PPB	77
89)	1,2,3-Trichloropropane	18.99	110	6986	0.99	PPB	87
90)	2-Chlorotoluene	19.18	91	140908	0.97	PPB	99
91)	1,3,5-Trimethylbenzene	19.19	105	140220	0.94	PPB	98
92)	4-Chlorotoluene	19.29	91	132001	1.00	PPB	98
93)	tert-Butylbenzene	19.58	134	35564	0.96	PPB	97
94)	1,2,4-Trimethylbenzene	19.62	105	136367	0.92	PPB	97
95)	sec-Butylbenzene	19.82	105	184073	0.95	PPB	98
96)	p-Isopropyltoluene	19.95	119	155233	0.91	PPB	99
97)	1,3-Dichlorobenzene	20.02	146	93230	0.98	PPB	99
98)	1,4-Dichlorobenzene	20.11	146	97236	1.01	PPB	98
99)	n-Butylbenzene	20.41	91	128934	0.88	PPB	99
100)	1,2-Dichlorobenzene	20.56	146	77224	0.97	PPB	95
101)	1,2-Dibromo-3-chloropropan	21.46	157	3129	0.79	PPB	82
102)	1,3,5-Trichlorobenzene	21.69	180	53016	0.92	PPB	96
103)	1,2,4-Trichlorobenzene	22.52	180	35919	0.90	PPB	92
104)	Hexachlorobutadiene	22.67	225	18485	0.99	PPB	96
105)	Naphthalene	22.92	128	38612	0.85	PPB	98
106)	1,2,3-Trichlorobenzene	23.26	180	23443	0.88	PPB	98

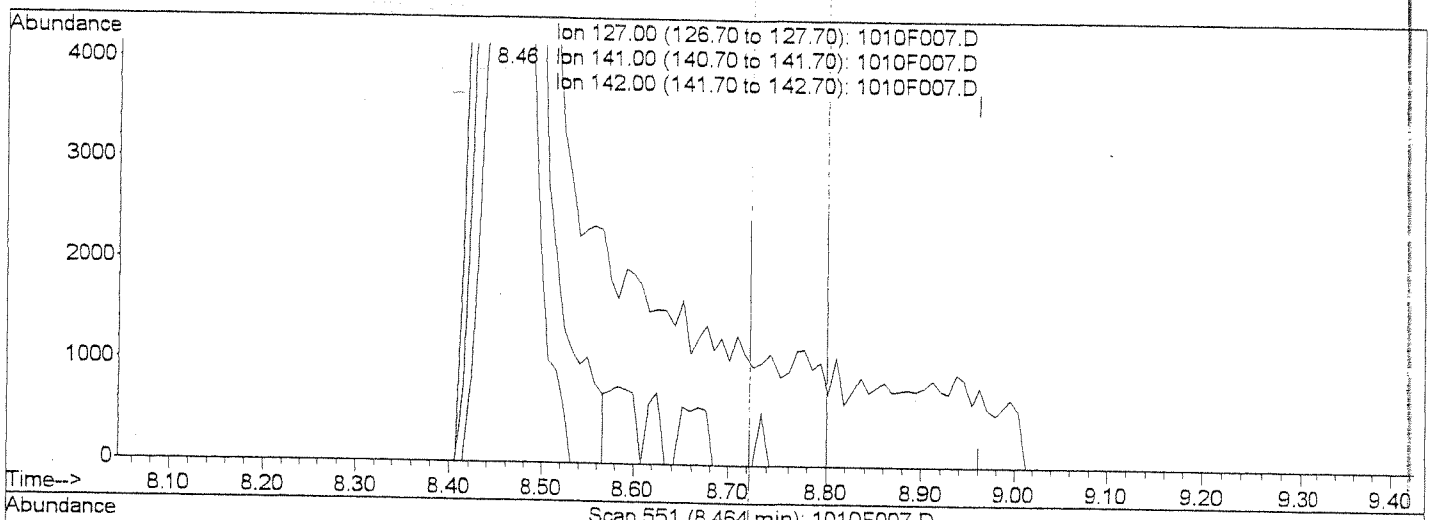
(#) = qualifier out of range (m) = manual integration

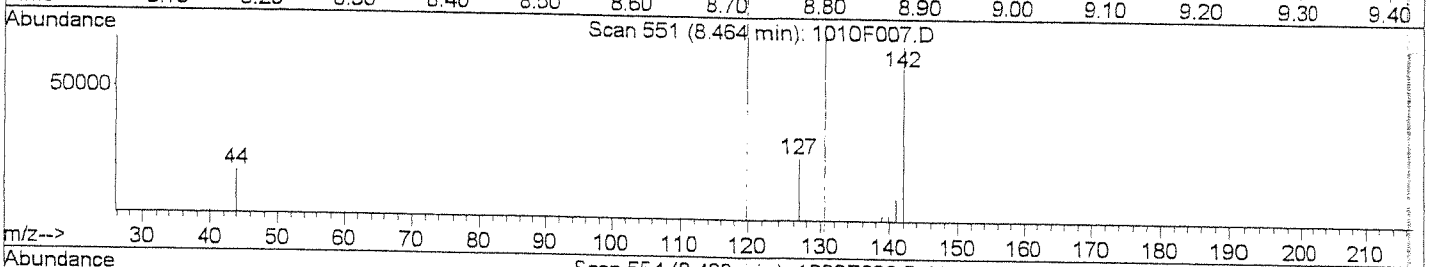
Data File : J:\MS04\DATA\101007\1010F007.D
Acq On : 10 Oct 2007 1:22 pm
Sample : 8260 ICAL 1.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05 2007

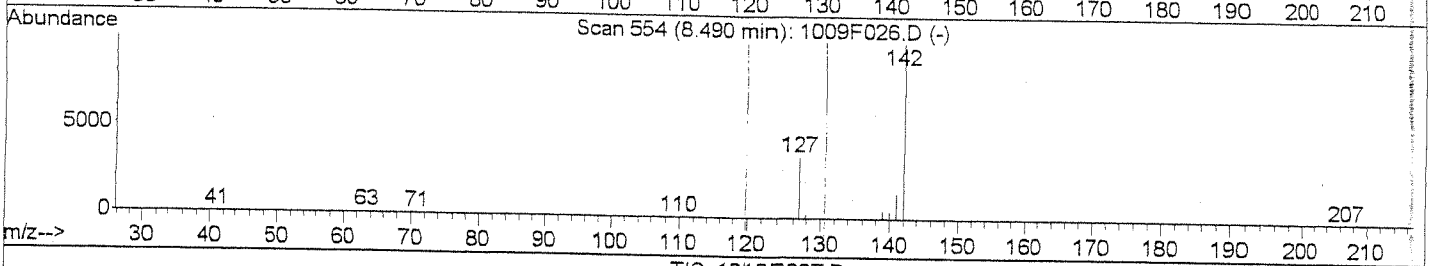
Vial: 7
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Multiple Level Calibration







TIC: 1010F007.D

(13) Iodomethane (T)

8.46min 2.73PPB

response 76599

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	38.01
142.00	282.80	280.17
0.00	0.00	0.00

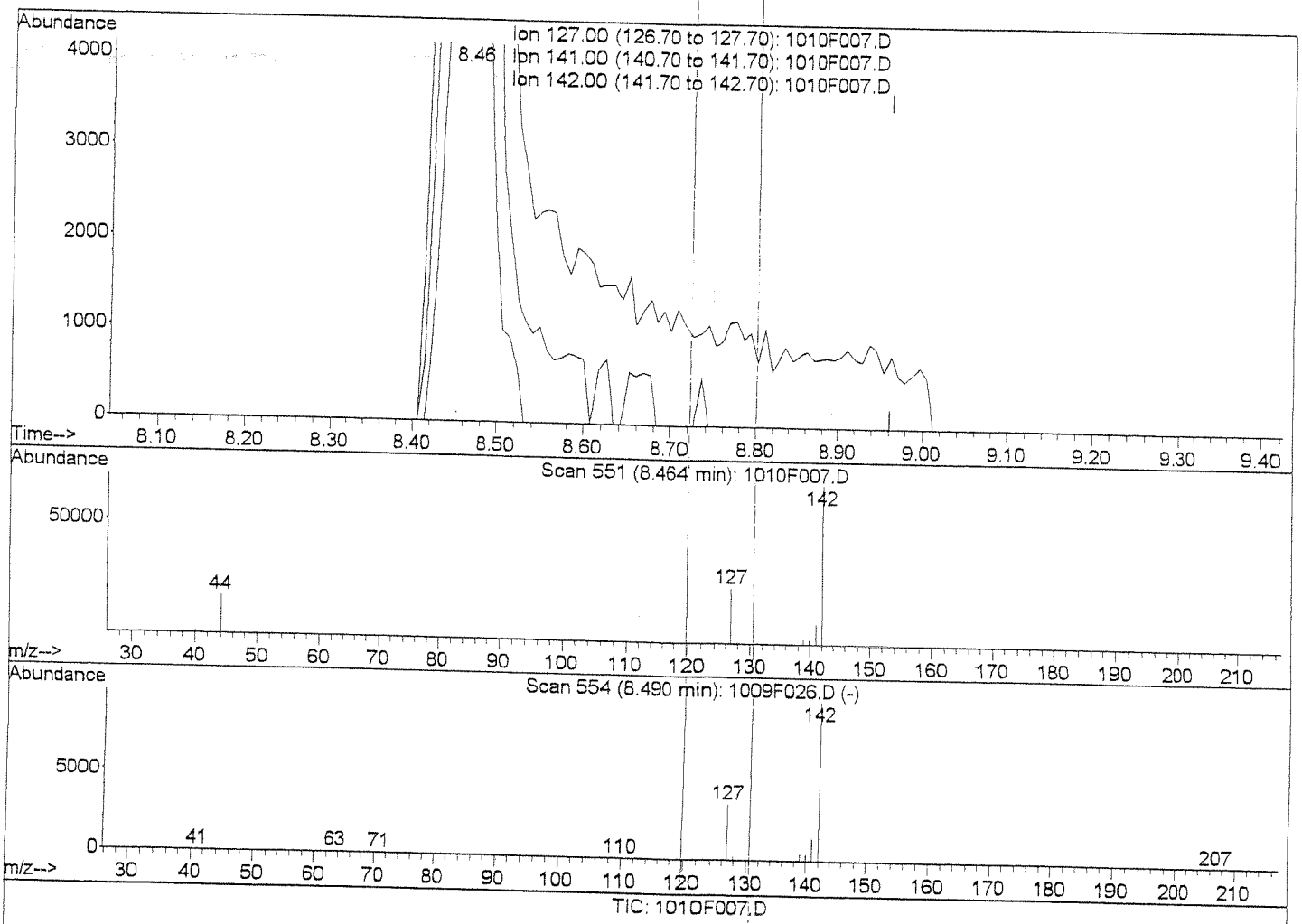
1010F007.D 101007MS04-8260.M Wed Oct 10 16:14:39 2007

Data File : J:\MS04\DATA\101007\1010F007.D
Acq On : 10 Oct 2007 1:22 pm
Sample : 8260 ICAL 1.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:14 2007

Vial: 7
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Multiple Level Calibration



(13) Iodomethane (T)

8.46min 2.85PPB m

response 80130

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	38.01
142.00	282.80	280.17
0.00	0.00	0.00

Peak Tailing
HL 10.10.07
F.A-h. 10/11/7.

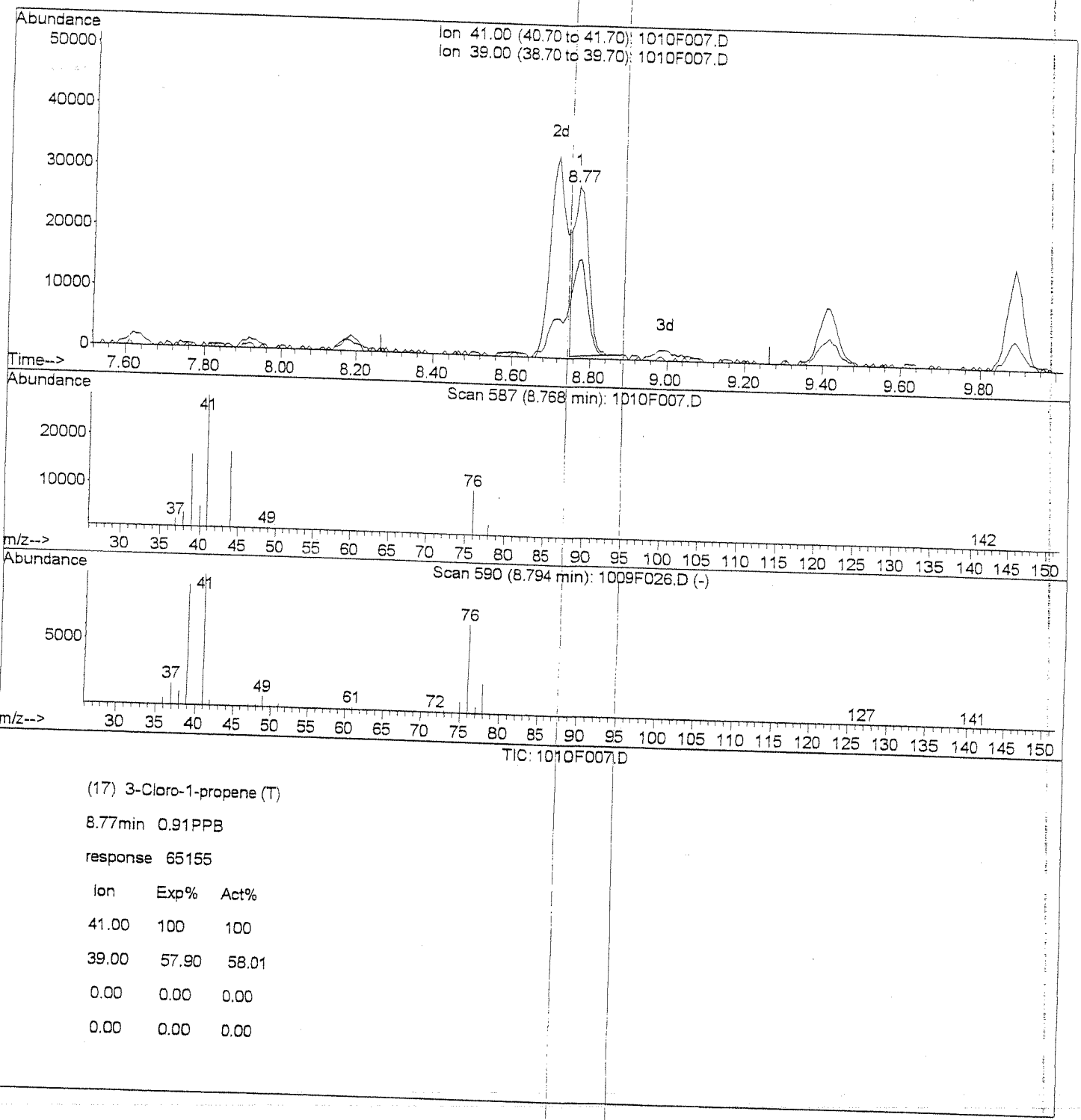
1010F007.D 101007MS04-8260.M Wed Oct 10 16:14:43 2007

Data File : J:\MS04\DATA\101007\1010F007.D
Acq On : 10 Oct 2007 1:22 pm
Sample : 8260 ICAL 1.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:14 2007

Vial: 7
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Multiple Level Calibration



(17) 3-Cloro-1-propene (T)

8.77min 0.91PPB

response 65155

Ion	Exp%	Act%
41.00	100	100
39.00	57.90	58.01
0.00	0.00	0.00
0.00	0.00	0.00

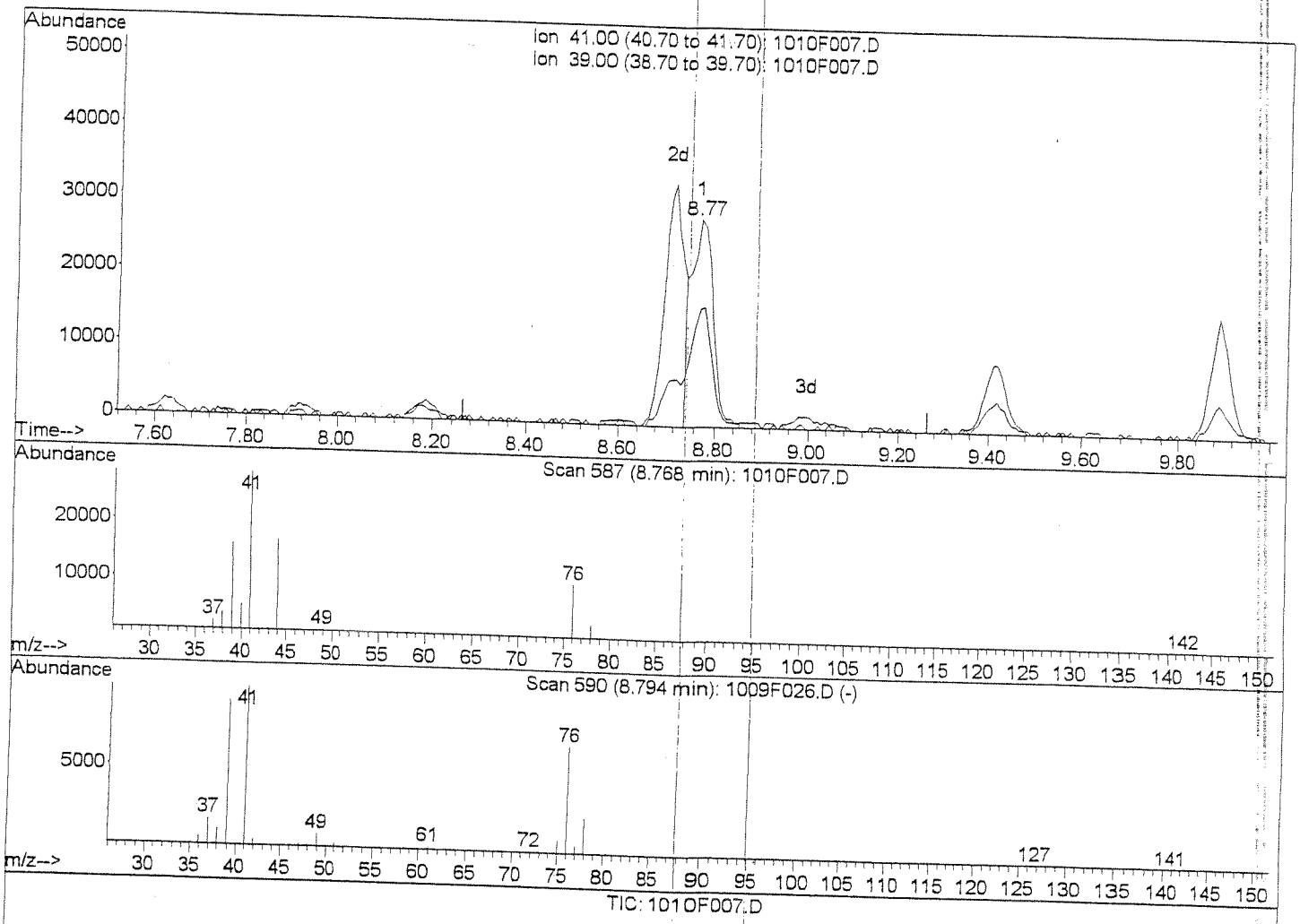
1010F007.D 101007MS04-8260.M Wed Oct 10 16:14:56 2007

Data File : J:\MS04\DATA\101007\1010F007.D
Acq On : 10 Oct 2007 1:22 pm
Sample : 8260 ICAL 1.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:14 2007

Vial: 7
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Multiple Level Calibration



TIC: 1010F007.D

(17) 3-Cloro-1-propene (T)

8.77min 1.11PPB m

response 78930

Ion	Exp%	Act%
41.00	100	100
39.00	57.90	56.58
0.00	0.00	0.00
0.00	0.00	0.00

Baseline
HL 10.10.07
F-A-h-10/11/7.

1010F007.D 101007MS04-8260.M Wed Oct 10 16:15:02 2007

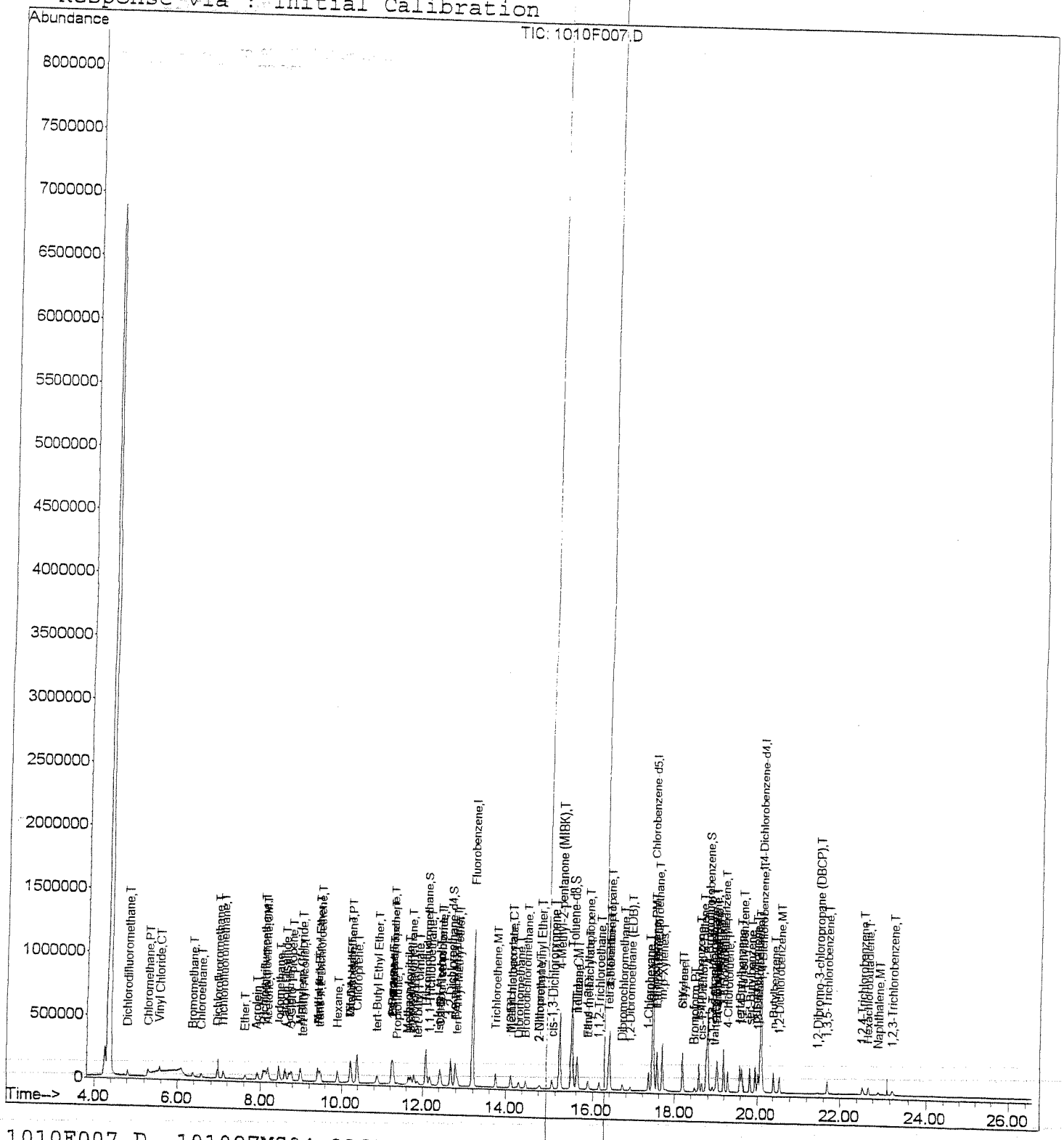
Quantitation Report (QT Reviewed)

Data File : J:\MS04\DATA\101007\1010F007.D
Acq On : 10 Oct 2007 1:22 pm
Sample : 8260 ICAL 1.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:16 2007

Vial: 7
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration



(QA Reviewed)

Data File : J:\MS04\DATA\101007\1010F008.D
Acq On : 10 Oct 2007 1:54 pm
Sample : 8260 ICAL 2.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05:47 2007

Vial: 8
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

HR 10.10.07
F.A.H. 10/11/7

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
1) Fluorobenzene	13.19	96	1701487	10.00 PPB		0.00
63) Chlorobenzene-d5	17.44	117	1197117	10.00 PPB		0.00
83) 1,4-Dichlorobenzene-d4	20.08	152	577169	10.00 PPB		0.00
System Monitoring Compounds						
41) Dibromofluoromethane	12.07	113	290011	7.24 PPB		0.00
Spiked Amount 10.000			Recovery =	72.40%		
47) 1,2-Dichloroethane-d4	12.67	65	212616	7.39 PPB		0.00
Spiked Amount 10.000			Recovery =	73.90%		
61) Toluene-d8	15.52	98	738033	7.07 PPB		0.00
Spiked Amount 10.000			Recovery =	70.70%		
82) 4-Bromofluorobenzene	18.79	95	303110	6.95 PPB		0.00
Spiked Amount 10.000			Recovery =	69.50%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.82	85	55716	1.06 PPB		98
3) Chloromethane	5.30	50	96186	1.52 PPB		96
4) Vinyl Chloride	5.58	62	72669	1.26 PPB		99
5) Bromomethane	6.37	94	53340	1.40 PPB		94
6) Chloroethane	6.59	64	59307	1.45 PPB		99
7) Dichlorofluoromethane	6.97	67	143255	1.46 PPB		99
8) Trichlorofluoromethane	7.11	101	71675	1.13 PPB		97
9) Ether	7.63	59	48549	1.90 PPB		99
10) Trichlorotrifluoroethane	8.07	151	44990	1.12 PPB		99
11) 1,1-Dichloroethene	8.12	96	52275	1.22 PPB		98
12) Acetone	8.18	43	304074	68.83 PPB		99
13) Iodomethane	8.46	127	145168m	5.13 PPB		
14) Carbon Disulfide	8.61	76	234207	1.30 PPB		99
15) Acrolein	7.92	56	129763	37.00 PPB		97
17) 3-Cloro-1-propene	8.77	41	103971	1.45 PPB		99
18) Acetonitrile	8.71	41	194348	80.41 PPB		98
19) Methylene Chloride	8.99	84	117426	2.20 PPB		99
20) tert-Butyl Alcohol	9.05	59	10688	10.08 PPB		79
21) Methyl tert-Butyl Ether	9.42	73	256481	3.79 PPB		99
22) trans-1,2-Dichloroethene	9.47	96	80123	1.45 PPB		98
23) Hexane	9.90	57	70067	1.14 PPB		100
24) 1,1-Dichloroethane	10.23	63	139459	1.61 PPB		96
25) Vinyl Acetate	10.22	86	19876	3.61 PPB	#	60
26) Acrylonitrile	9.42	53	57800	7.68 PPB		96
27) Diisopropyl Ether	10.21	45	233538	1.79 PPB		99
28) Chloroprene	10.39	88	183534	4.71 PPB		99
29) tert-Butyl Ethyl Ether	10.87	59	173915	1.84 PPB		98

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

Data File : J:\MS04\DATA\101007\1010F008.D
Acq On : 10 Oct 2007 1:54 pm
Sample : 8260 ICAL 2.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05:47 2007

Vial: 8
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30) 2,2-Dichloropropane	11.30	77	82838	1.39 PPB	96
31) Ethyl Acetate	11.27	70	16551	7.79 PPB	97
32) cis-1,2-Dichloroethene	11.27	96	95083	1.70 PPB	99
33) 2-Butanone	11.24	72	116572	65.28 PPB	99
34) Propionitrile	11.40	54	18123	7.64 PPB	97
35) Methacrylonitrile	11.66	67	60949	7.45 PPB	94
36) Bromochloromethane	11.72	128	51178	1.94 PPB	98
37) Chloroform	11.79	83	137811	1.71 PPB	99
38) tert-butyl Formate	11.87	59	29570	1.66 PPB	87
39) Tetrahydrofuran	11.78	42	12054	2.82 PPB	85
40) 1,1,1-Trichloroethane	12.17	97	78597	1.28 PPB	99
43) Isobutyl Alcohol	12.39	43	34230	77.55 PPB	89
44) Carbon Tetrachloride	12.44	117	61910	1.17 PPB	95
45) 1,1-Dichloropropene	12.42	75	78143	1.19 PPB	94
46) tert-Amyl Methyl-ether	12.83	55	34903	1.99 PPB	91
48) Benzene	12.78	78	297493	1.58 PPB	98
49) 1,2-Dichloroethane	12.79	62	78936	1.95 PPB	98
50) Trichloroethene	13.74	95	67812	1.40 PPB	97
52) Methyl methacrylate	14.13	69	22286	1.76 PPB	87
53) 1,2-Dichloropropane	14.12	63	79305	1.79 PPB	95
54) 1,4-Dioxane	14.26	88	9206	71.31 PPB	97
55) Dibromomethane	14.31	93	43232	1.91 PPB	93
56) Bromodichloromethane	14.49	83	92449	1.80 PPB	99
57) 2-Chloroethyl Vinyl Ether	14.84	63	13557	1.75 PPB	95
58) 2-Nitropropane	14.81	41	32697	9.03 PPB	97
59) cis-1,3-Dichloropropene	15.12	75	108859	1.79 PPB	95
60) 4-Methyl-2-pentanone (MIBK	15.28	100	162209	66.03 PPB	94
62) Toluene	15.62	92	173050	1.51 PPB	95
64) Ethyl methacrylate	15.90	69	44789	1.72 PPB	97
65) n-Octane	15.63	85	43426	1.48 PPB	97
66) trans-1,3-Dichloropropene	15.87	75	79208	1.78 PPB	96
67) 1,1,2-Trichloroethane	16.14	83	43873	1.95 PPB	91
68) Tetrachloroethene	16.37	164	56325	1.30 PPB	96
69) 2-Hexanone	16.40	57	109393	65.60 PPB	94
70) 1,3-Dichloropropane	16.39	76	93686	1.93 PPB	99
71) Dibromochloromethane	16.71	129	66771	1.85 PPB	100
72) 1,2-Dibromoethane (EDB)	16.90	107	54267	1.90 PPB	100
73) 1-Chlorohexane	17.34	55	46314	1.18 PPB	99
74) Chlorobenzene	17.47	112	220021	1.73 PPB	99
75) Ethylbenzene	17.56	106	93252	1.43 PPB	98
76) 1,1,1,2-Tetrachloroethane	17.55	131	74203	1.77 PPB	96

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

Data File : J:\MS04\DATA\101007\1010F008.D
Acq On : 10 Oct 2007 1:54 pm
Sample : 8260 ICAL 2.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05:47 2007

Vial: 8
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77)	m,p-Xylenes	17.69	106	238679	2.89	PPB	97
78)	o-Xylene	18.18	106	119278	1.52	PPB	96
79)	Styrene	18.19	104	197310	1.55	PPB	99
80)	Bromoform	18.47	173	32691	1.81	PPB	95
81)	Isopropylbenzene	18.57	105	256884	1.29	PPB	99
84)	cis-1,4-Dichloro-2-Butene	18.65	88	36118	7.05	PPB	91
85)	1,1,2,2-Tetrachloroethane	18.90	83	51339	1.98	PPB	100
86)	Bromobenzene	19.00	156	93730	1.81	PPB	95
87)	n-Propylbenzene	19.03	91	316101	1.34	PPB	99
88)	trans-1,3-Dichloro-2-Buten	18.95	53	9630	1.97	PPB	87
89)	1,2,3-Trichloropropane	18.99	110	14489	2.01	PPB	88
90)	2-Chlorotoluene	19.18	91	230014	1.56	PPB	99
91)	1,3,5-Trimethylbenzene	19.19	105	219469	1.45	PPB	98
92)	4-Chlorotoluene	19.29	91	213072	1.59	PPB	99
93)	tert-Butylbenzene	19.58	134	51172	1.35	PPB	95
94)	1,2,4-Trimethylbenzene	19.63	105	224591	1.49	PPB	96
95)	sec-Butylbenzene	19.82	105	257905	1.30	PPB	99
96)	p-Isopropyltoluene	19.95	119	231549	1.34	PPB	99
97)	1,3-Dichlorobenzene	20.02	146	168650	1.74	PPB	99
98)	1,4-Dichlorobenzene	20.11	146	179207	1.83	PPB	98
99)	n-Butylbenzene	20.41	91	199643	1.34	PPB	99
100)	1,2-Dichlorobenzene	20.56	146	149727	1.85	PPB	99
101)	1,2-Dibromo-3-chloropropan	21.47	157	7334	1.81	PPB	88
102)	1,3,5-Trichlorobenzene	21.69	180	99102	1.69	PPB	99
103)	1,2,4-Trichlorobenzene	22.51	180	70517	1.74	PPB	98
104)	Hexachlorobutadiene	22.66	225	30057	1.58	PPB	94
105)	Naphthalene	22.92	128	81229	1.75	PPB	100
106)	1,2,3-Trichlorobenzene	23.25	180	48046	1.78	PPB	99

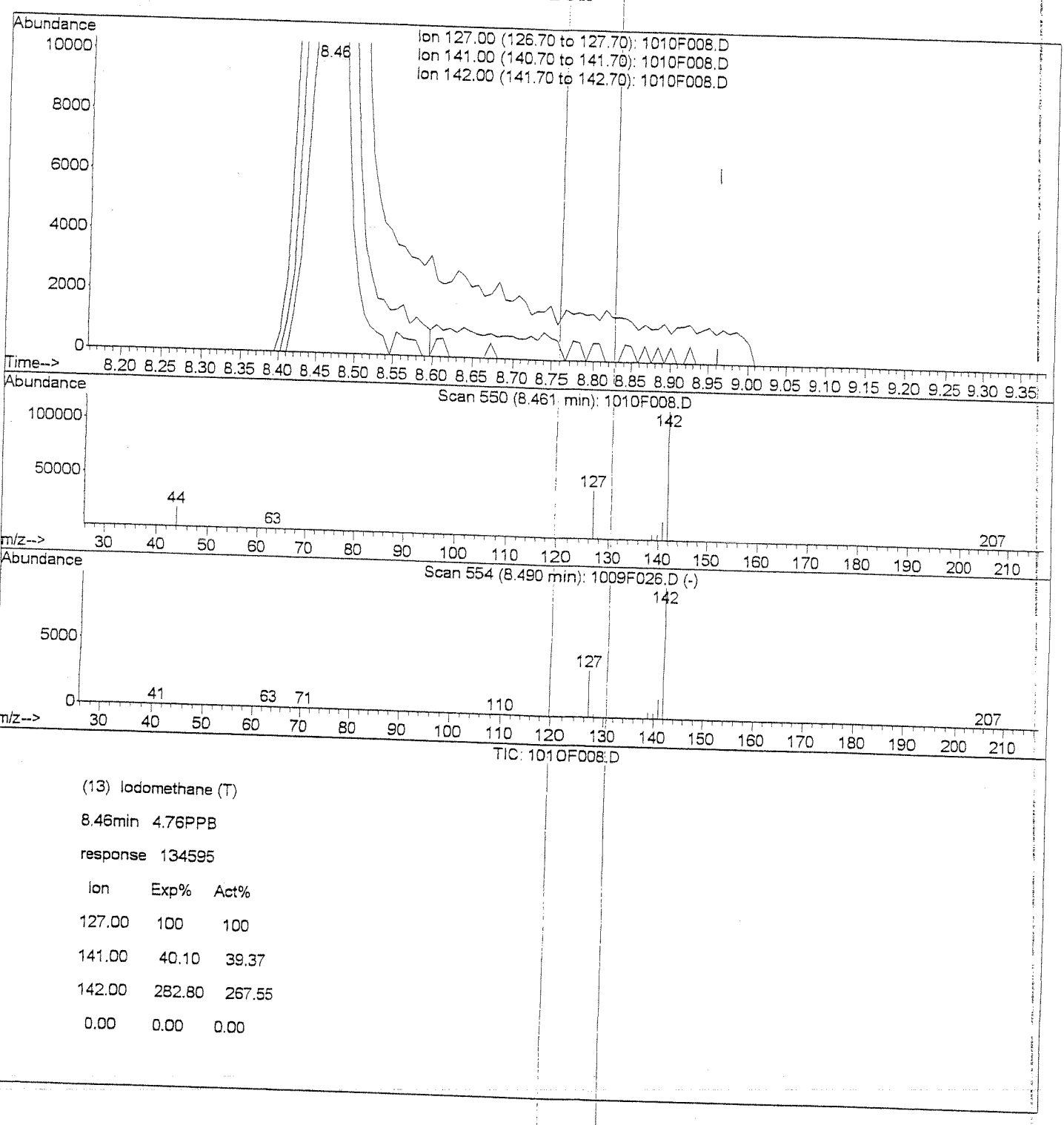
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS04\DATA\101007\1010F008.D
Acq On : 10 Oct 2007 1:54 pm
Sample : 8260 ICAL 2.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05 2007

Vial: 8
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Multiple Level Calibration



(13) Iodomethane (T)

8.46min 4.76PPB

response 134595

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	39.37
142.00	282.80	267.55
0.00	0.00	0.00

1010F008.D 101007MS04-8260.M Wed Oct 10 16:16:47 2007

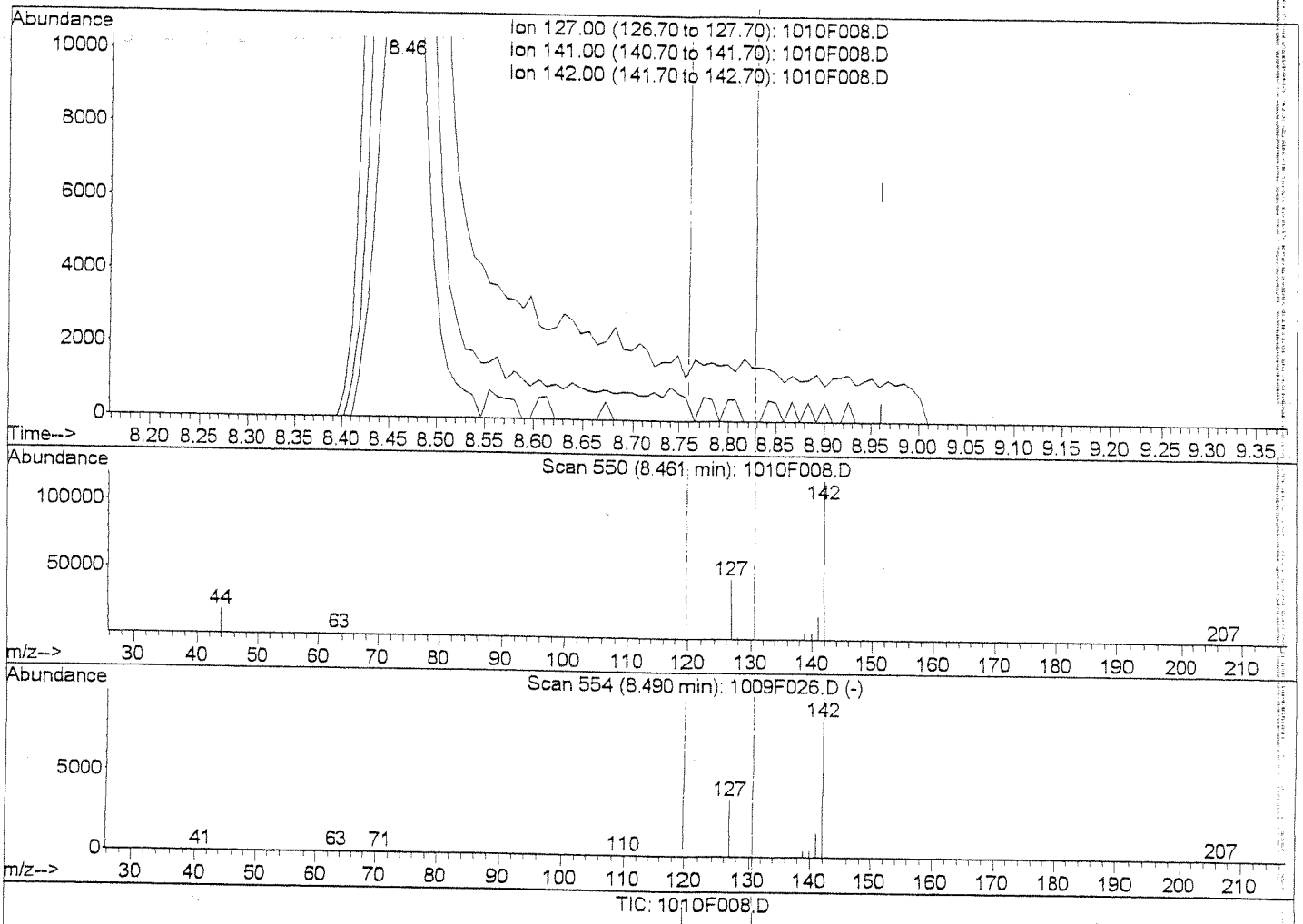
Calibration Report (Qedit)

Data File : J:\MS04\DATA\101007\1010F008.D
Acq On : 10 Oct 2007 1:54 pm
Sample : 8260 ICAL 2.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:16 2007

Vial: 8
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Multiple Level Calibration



TIC: 1010F008.D

(13) Iodomethane (T)

8.46min 5.13PPB m

response 145168

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	39.37
142.00	282.80	267.55
0.00	0.00	0.00

Peak Tailing
HL 10.10.07
EAh 10/11/07.

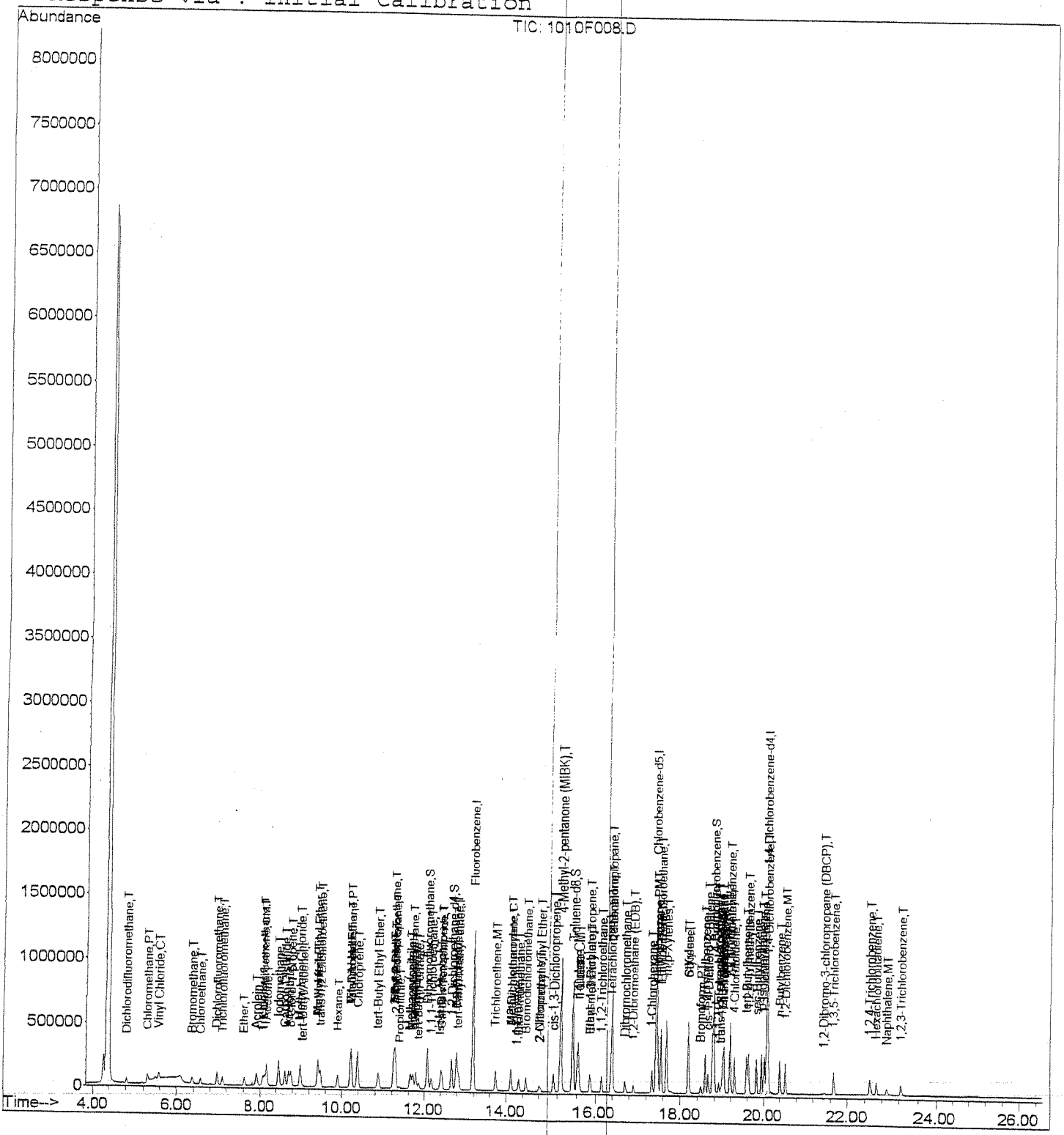
1010F008.D 101007MS04-8260.M Wed Oct 10 16:16:51 2007

Data File : J:\MS04\DATA\101007\1010F008.D
Acq On : 10 Oct 2007 1:54 pm
Sample : 8260 ICAL 2.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:17 2007

Vial: 8
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration



1010F008.D 101007MS04-8260.M Wed Oct 10 16:19:29 2007 Page 4

Quantitation Report (QT Reviewed)

Data File : J:\MS04\DATA\101007\1010F009.D
Acq On : 10 Oct 2007 2:26 pm
Sample : 8260 ICAL 5.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05:49 2007

Vial: 9
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-826(

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

HL 10.10.07
F-A-h 10/11/

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	13.18	96	1731883	10.00	PPB	0.00
63) Chlorobenzene-d5	17.44	117	1218501	10.00	PPB	0.00
83) 1,4-Dichlorobenzene-d4	20.08	152	588479	10.00	PPB	0.00
System Monitoring Compounds						
41) Dibromofluoromethane	12.07	113	347211	8.51	PPB	0.00
Spiked Amount 10.000			Recovery =	85.10%		
47) 1,2-Dichloroethane-d4	12.67	65	241558	8.25	PPB	0.00
Spiked Amount 10.000			Recovery =	82.50%		
61) Toluene-d8	15.52	98	936303	8.81	PPB	0.00
Spiked Amount 10.000			Recovery =	88.10%		
82) 4-Bromofluorobenzene	18.79	95	362690	8.17	PPB	0.00
Spiked Amount 10.000			Recovery =	81.70%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.82	85	261859	4.89	PPB	99
3) Chloromethane	5.31	50	314906	4.90	PPB	100
4) Vinyl Chloride	5.58	62	290488	4.96	PPB	99
5) Bromomethane	6.37	94	178960	4.62	PPB	99
6) Chloroethane	6.58	64	210859	5.06	PPB	99
7) Dichlorofluoromethane	6.97	67	505669	5.05	PPB	99
8) Trichlorofluoromethane	7.11	101	324261	5.02	PPB	100
9) Ether	7.63	59	127982	4.93	PPB	96
10) Trichlorotrifluoroethane	8.08	151	202505	4.95	PPB	98
11) 1,1-Dichloroethene	8.13	96	216027	4.93	PPB	99
12) Acetone	8.18	43	403336	89.70	PPB	97
13) Iodomethane	8.46	127	535916m	18.62	PPB	
14) Carbon Disulfide	8.62	76	905895	4.94	PPB	99
15) Acrolein	7.92	56	351682	98.51	PPB	99
17) 3-Cloro-1-propene	8.77	41	375517	5.13	PPB	100
18) Acetonitrile	8.71	41	491941	199.96	PPB	100
19) Methylene Chloride	9.00	84	287542	5.29	PPB	97
20) tert-Butyl Alcohol	9.05	59	28561	26.46	PPB	96
21) Methyl tert-Butyl Ether	9.42	73	689416	10.00	PPB	99
22) trans-1,2-Dichloroethene	9.48	96	279075	4.96	PPB	99
23) Hexane	9.89	57	304943	4.87	PPB	100
24) 1,1-Dichloroethane	10.23	63	446437	5.05	PPB	99
25) Vinyl Acetate	10.21	86	54627	9.76	PPB	100
26) Acrylonitrile	9.42	53	155656	20.32	PPB	98
27) Diisopropyl Ether	10.21	45	663762	4.99	PPB	99
28) Chloroprene	10.39	88	766225	19.31	PPB	99
29) tert-Butyl Ethyl Ether	10.87	59	474676	4.94	PPB	98

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

Data File : J:\MS04\DATA\101007\1010F009.D
Acq On : 10 Oct 2007 2:26 pm
Sample : 8260 ICAL 5.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05:49 2007

Vial: 9
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
30) 2,2-Dichloropropane	11.29	77	305171	5.02 PPB		98
31) Ethyl Acetate	11.27	70	44322	20.50 PPB		95
32) cis-1,2-Dichloroethene	11.28	96	287062	5.04 PPB		99
33) 2-Butanone	11.24	72	159208	87.59 PPB	#	81
34) Propionitrile	11.39	54	48874	20.24 PPB		98
35) Methacrylonitrile	11.65	67	163415	19.64 PPB		98
36) Bromochloromethane	11.71	128	136336	5.07 PPB		95
37) Chloroform	11.79	83	411276	5.02 PPB		100
38) tert-butyl Formate	11.87	59	85927	4.75 PPB		95
39) Tetrahydrofuran	11.78	42	23254	5.35 PPB		94
40) 1,1,1-Trichloroethane	12.16	97	308785	4.96 PPB		98
43) Isobutyl Alcohol	12.39	43	88012	195.91 PPB		96
44) Carbon Tetrachloride	12.44	117	262703	4.87 PPB		97
45) 1,1-Dichloropropene	12.41	75	321959	4.84 PPB		99
46) tert-Amyl Methyl-ether	12.84	55	89878	5.02 PPB	#	89
48) Benzene	12.79	78	953502	4.97 PPB		99
49) 1,2-Dichloroethane	12.79	62	208136	5.04 PPB		99
50) Trichloroethene	13.75	95	237533	4.83 PPB		96
52) Methyl methacrylate	14.14	69	61073	4.73 PPB		98
53) 1,2-Dichloropropane	14.11	63	230123	5.11 PPB		99
54) 1,4-Dioxane	14.25	88	25472	193.84 PPB		97
55) Dibromomethane	14.31	93	116848	5.08 PPB		98
56) Bromodichloromethane	14.48	83	261464	5.01 PPB		99
57) 2-Chloroethyl Vinyl Ether	14.84	63	38852	4.93 PPB		97
58) 2-Nitropropane	14.81	41	91210	24.75 PPB		96
59) cis-1,3-Dichloropropene	15.12	75	309403	5.00 PPB		99
60) 4-Methyl-2-pentanone (MIBK	15.28	100	214429	85.76 PPB		98
62) Toluene	15.61	92	576508	4.94 PPB		98
64) Ethyl methacrylate	15.89	69	126817	4.78 PPB		100
65) n-Octane	15.63	85	145650	4.88 PPB		98
66) trans-1,3-Dichloropropene	15.87	75	222853	4.92 PPB		99
67) 1,1,2-Trichloroethane	16.14	83	118062	5.16 PPB		98
68) Tetrachloroethene	16.37	164	218431	4.95 PPB		98
69) 2-Hexanone	16.40	57	146125	86.09 PPB		100
70) 1,3-Dichloropropane	16.39	76	245575	4.98 PPB		100
71) Dibromochloromethane	16.71	129	181621	4.95 PPB		99
72) 1,2-Dibromoethane (EDB)	16.90	107	145866	5.01 PPB		100
73) 1-Chlorohexane	17.34	55	195340	4.91 PPB		99
74) Chlorobenzene	17.48	112	653491	5.04 PPB		100
75) Ethylbenzene	17.56	106	324681	4.89 PPB		95
76) 1,1,1,2-Tetrachloroethane	17.55	131	215613	5.06 PPB		99

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

Data File : J:\MS04\DATA\101007\1010F009.D
Acq On : 10 Oct 2007 2:26 pm
Sample : 8260 ICAL 5.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05:49 2007

Vial: 9
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77) m,p-Xylenes	17.69	106	821998	9.78	PPB	99
78) o-Xylene	18.18	106	389597	4.87	PPB	98
79) Styrene	18.19	104	620662	4.80	PPB	98
80) Bromoform	18.47	173	92377	5.03	PPB	98
81) Isopropylbenzene	18.58	105	973030	4.81	PPB	99
84) cis-1,4-Dichloro-2-Butene	18.64	88	101759	19.48	PPB	95
85) 1,1,2,2-Tetrachloroethane	18.90	83	135098	5.12	PPB	99
86) Bromobenzene	19.00	156	270521	5.12	PPB	93
87) n-Propylbenzene	19.02	91	1174001	4.89	PPB	99
88) trans-1,3-Dichloro-2-Buten	18.95	53	25591	5.14	PPB	93
89) 1,2,3-Trichloropropane	18.98	110	38301	5.21	PPB	96
90) 2-Chlorotoluene	19.17	91	749273	4.97	PPB	99
91) 1,3,5-Trimethylbenzene	19.19	105	772241	4.99	PPB	100
92) 4-Chlorotoluene	19.28	91	688380	5.03	PPB	97
93) tert-Butylbenzene	19.58	134	188173	4.87	PPB	95
94) 1,2,4-Trimethylbenzene	19.62	105	762484	4.96	PPB	99
95) sec-Butylbenzene	19.82	105	980171	4.85	PPB	99
96) p-Isopropyltoluene	19.94	119	866327	4.90	PPB	99
97) 1,3-Dichlorobenzene	20.01	146	500595	5.06	PPB	98
98) 1,4-Dichlorobenzene	20.10	146	502107	5.04	PPB	98
99) n-Butylbenzene	20.41	91	732923	4.83	PPB	99
100) 1,2-Dichlorobenzene	20.56	146	419516	5.08	PPB	99
101) 1,2-Dibromo-3-chloropropan	21.46	157	19564	4.73	PPB	91
102) 1,3,5-Trichlorobenzene	21.69	180	296132	4.96	PPB	100
103) 1,2,4-Trichlorobenzene	22.51	180	203404	4.92	PPB	100
104) Hexachlorobutadiene	22.66	225	96123	4.94	PPB	98
105) Naphthalene	22.91	128	229736	4.85	PPB	99
106) 1,2,3-Trichlorobenzene	23.25	180	134860	4.89	PPB	96

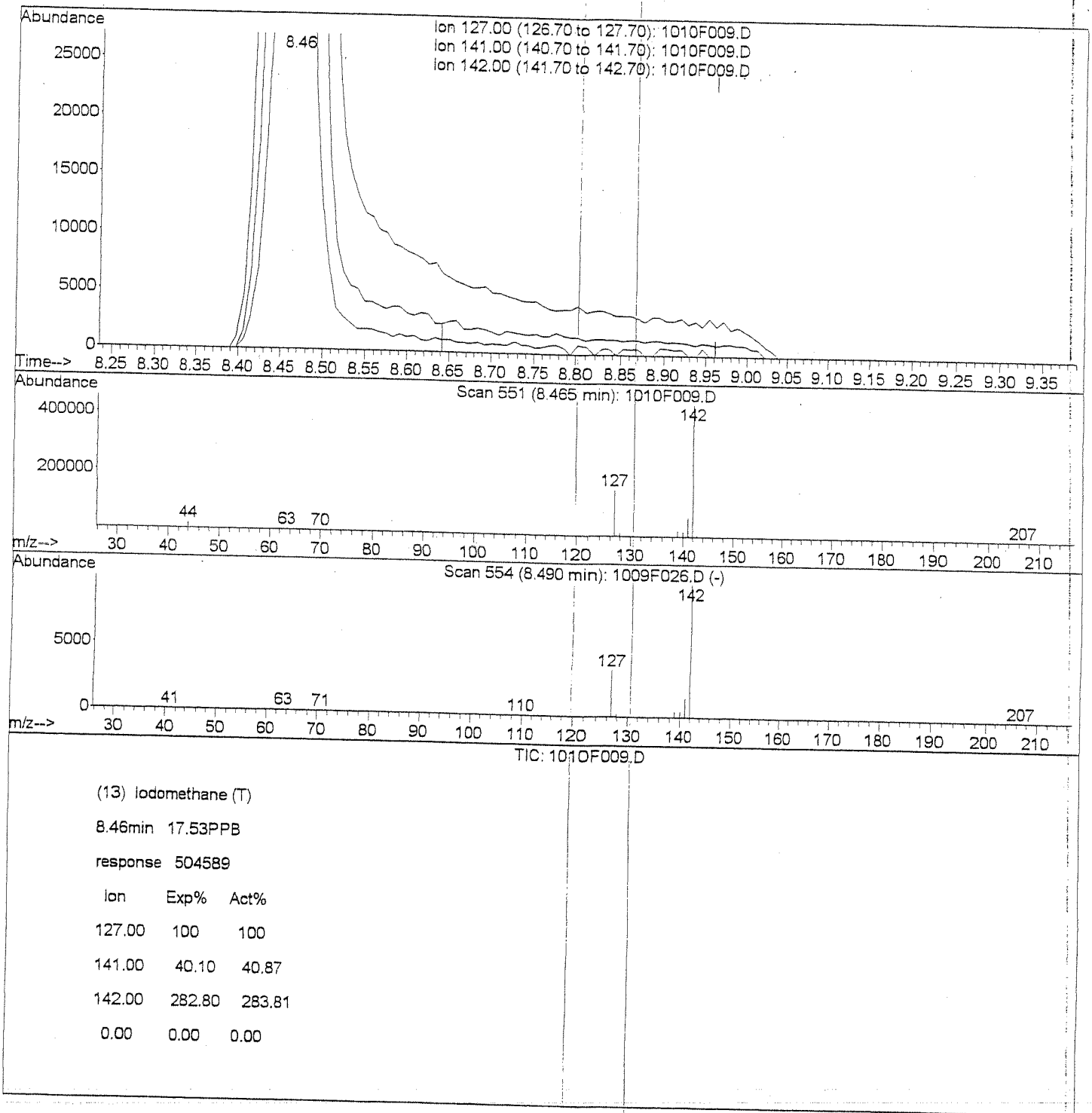
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS04\DATA\101007\1010F009.D
Acq On : 10 Oct 2007 2:26 pm
Sample : 8260 ICAL 5.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:05 2007

Vial: 9
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Multiple Level Calibration



(13) Iodomethane (T)

8.46min 17.53PPB

response 504589

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	40.87
142.00	282.80	283.81
0.00	0.00	0.00

1010F009.D 101007MS04-8260.M Wed Oct 10 16:18:21 2007

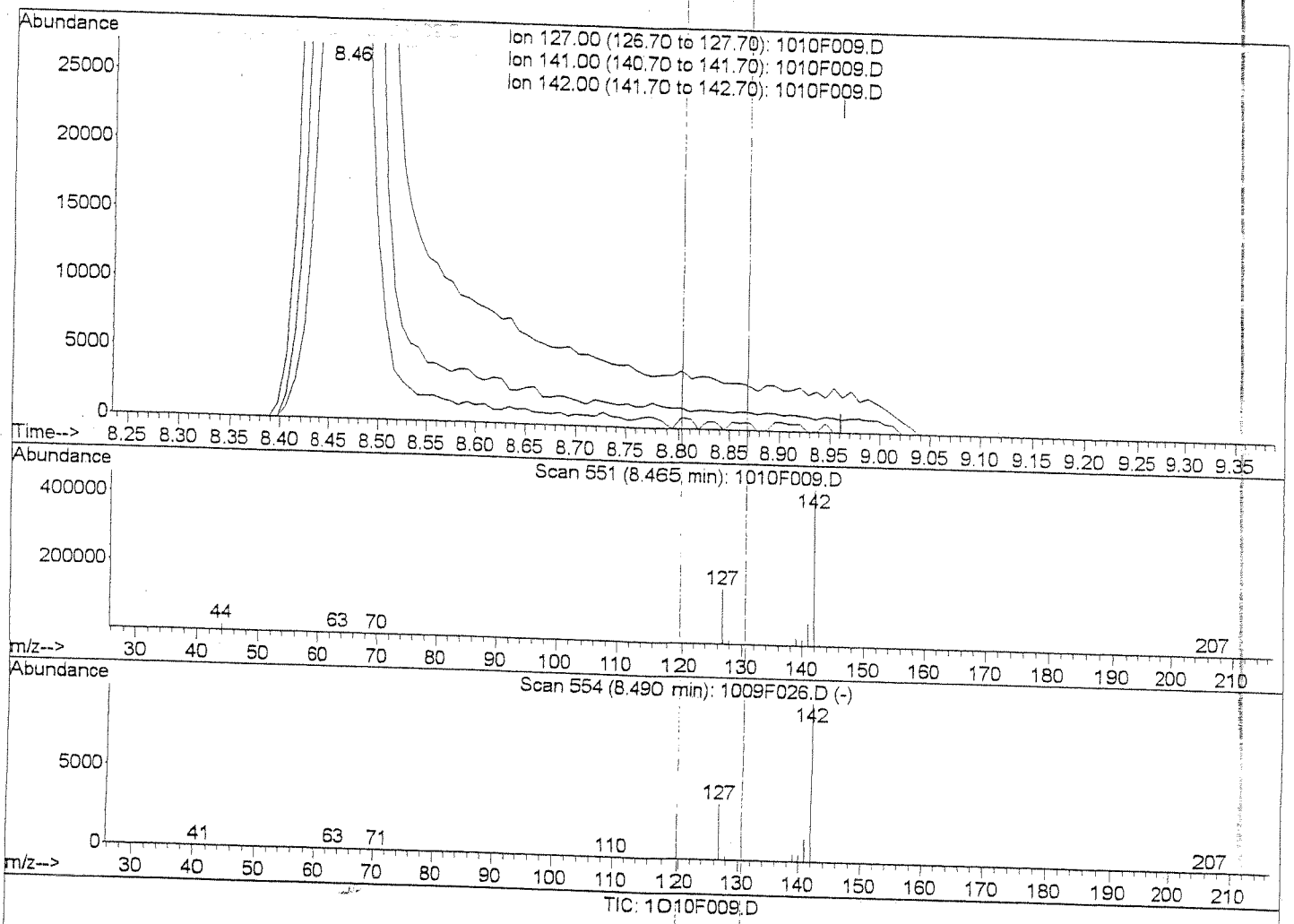
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\101007\1010F009.D
Acq On : 10 Oct 2007 2:26 pm
Sample : 8260 ICAL 5.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:18 2007

Vial: 9
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Multiple Level Calibration



(13) Iodomethane (T)

8.46min 18.62PPB m

response 535916

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	40.87
142.00	282.80	283.81
0.00	0.00	0.00

HL 10.10.07
peak tailing
F.A.h. 10/11/7.

1010F009.D 101007MS04-8260.M Wed Oct 10 16:18:26 2007

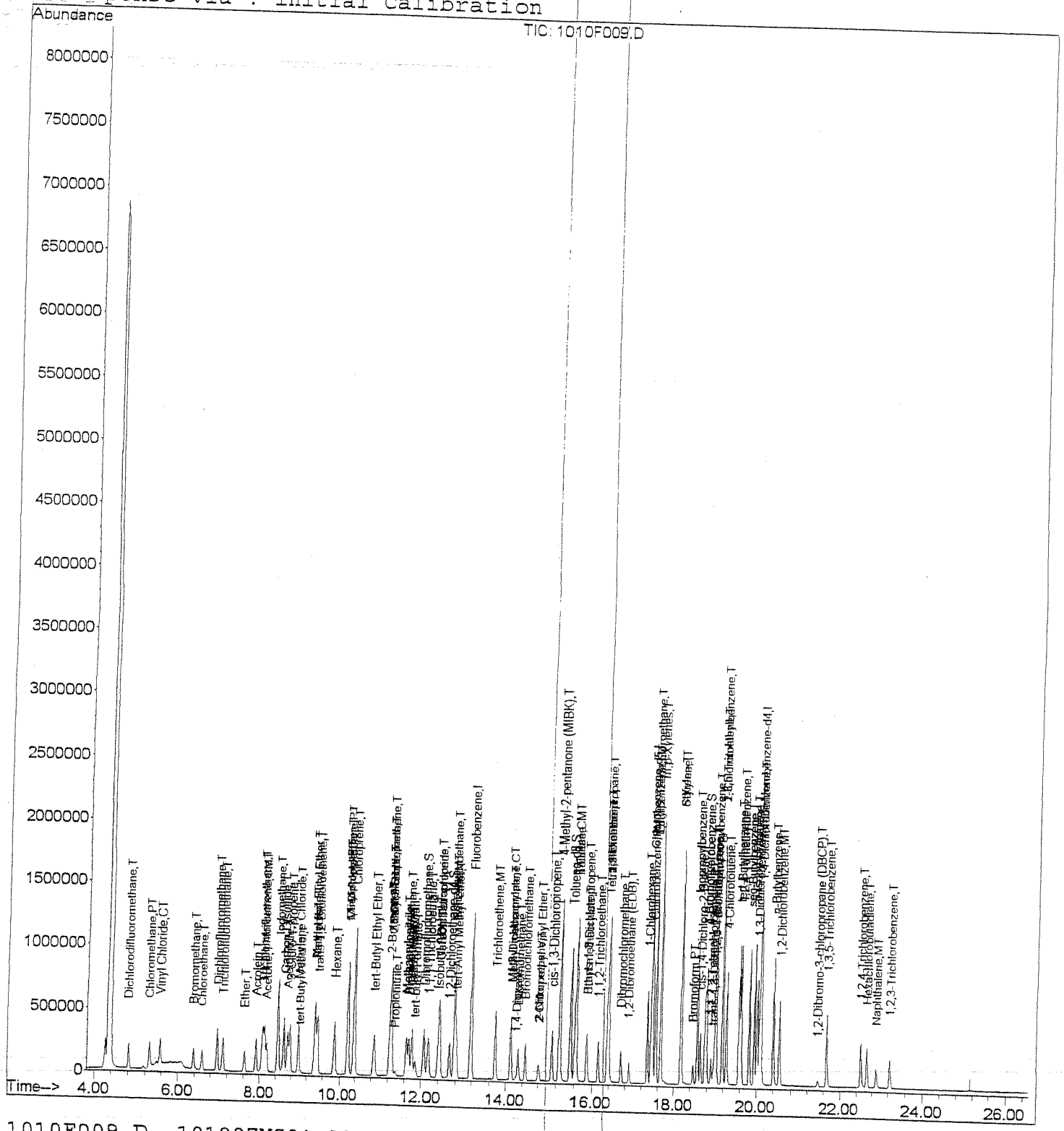
(QA Reviewed)

Data File : J:\MS04\DATA\101007\1010F009.D
Acq On : 10 Oct 2007 2:26 pm
Sample : 8260 ICAL 5.0PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:18 2007

Vial: 9
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration



Data File : J:\MS04\DATA\101007\1010F010.D
Acq On : 10 Oct 2007 2:58 pm
Sample : 8260 ICAL 10PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:03:01 2007

Vial: 10
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

HL 10.10.07
F-A-h-10/11/07.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	13.18	96	1753678	10.00	PPB	0.00
63) Chlorobenzene-d5	17.44	117	1237660	10.00	PPB	0.00
83) 1,4-Dichlorobenzene-d4	20.07	152	609147	10.00	PPB	0.00
System Monitoring Compounds						
41) Dibromofluoromethane	12.07	113	413100	10.00	PPB	0.00
Spiked Amount 10.000			Recovery =	100.00%		
47) 1,2-Dichloroethane-d4	12.66	65	296585	10.00	PPB	0.00
Spiked Amount 10.000			Recovery =	100.00%		
61) Toluene-d8	15.52	98	1075669	10.00	PPB	0.00
Spiked Amount 10.000			Recovery =	100.00%		
82) 4-Bromofluorobenzene	18.78	95	450805	10.00	PPB	0.00
Spiked Amount 10.000			Recovery =	100.00%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.82	85	541750	10.00	PPB	100
3) Chloromethane	5.31	50	650726	10.00	PPB	100
4) Vinyl Chloride	5.58	62	593476	10.00	PPB	100
5) Bromomethane	6.37	94	392507	10.00	PPB	100
6) Chloroethane	6.58	64	421795	10.00	PPB	100
7) Dichlorofluoromethane	6.97	67	1014285	10.00	PPB	100
8) Trichlorofluoromethane	7.10	101	654603	10.00	PPB	100
9) Ether	7.63	59	263040	10.00	PPB	100
10) Trichlorotrifluoroethane	8.07	151	414004	10.00	PPB	100
11) 1,1-Dichloroethene	8.12	96	443443	10.00	PPB	100
12) Acetone	8.17	43	910602	200.00	PPB	100
13) Iodomethane	8.46	127	1165742m	40.00	PPB	
14) Carbon Disulfide	8.61	76	1855461	10.00	PPB	100
15) Acrolein	7.91	56	723020	200.00	PPB	100
17) 3-Cloro-1-propene	8.77	41	741064	10.00	PPB	100
18) Acetonitrile	8.71	41	996449	400.00	PPB	100
19) Methylene Chloride	8.99	84	549939	10.00	PPB	100
20) tert-Butyl Alcohol	9.04	59	54642	50.00	PPB	100
21) Methyl tert-Butyl Ether	9.42	73	1396115	20.00	PPB	100
22) trans-1,2-Dichloroethene	9.47	96	569419	10.00	PPB	100
23) Hexane	9.89	57	634179	10.00	PPB	100
24) 1,1-Dichloroethane	10.23	63	894812	10.00	PPB	100
25) Vinyl Acetate	10.21	86	113382	20.00	PPB	100
26) Acrylonitrile	9.42	53	310240	40.00	PPB	100
27) Diisopropyl Ether	10.21	45	1347264	10.00	PPB	100
28) Chloroprene	10.39	88	1607476	40.00	PPB	100
29) tert-Butyl Ethyl Ether	10.87	59	973867	10.00	PPB	100

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

Data File : J:\MS04\DATA\101007\1010F010.D
Acq On : 10 Oct 2007 2:58 pm
Sample : 8260 ICAL 10PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:03:01 2007

Vial: 10
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
30) 2,2-Dichloropropane	11.29	77	615576	10.00	PPB	100
31) Ethyl Acetate	11.26	70	87591	40.00	PPB	100
32) cis-1,2-Dichloroethene	11.27	96	576379	10.00	PPB	100
33) 2-Butanone	11.23	72	368103	200.00	PPB	100
34) Propionitrile	11.38	54	97806	40.00	PPB	100
35) Methacrylonitrile	11.64	67	337056	40.00	PPB	100
36) Bromochloromethane	11.71	128	272315	10.00	PPB	100
37) Chloroform	11.79	83	829372	10.00	PPB	100
38) tert-butyl Formate	11.86	59	183205	10.00	PPB	100
39) Tetrahydrofuran	11.77	42	44030	10.00	PPB	100
40) 1,1,1-Trichloroethane	12.16	97	630712	10.00	PPB	100
43) Isobutyl Alcohol	12.39	43	181963	400.00	PPB	100
44) Carbon Tetrachloride	12.44	117	546235	10.00	PPB	100
45) 1,1-Dichloropropene	12.41	75	674174	10.00	PPB	100
46) tert-Amyl Methyl-ether	12.83	55	181209	10.00	PPB	100
48) Benzene	12.78	78	1942053	10.00	PPB	100
49) 1,2-Dichloroethane	12.79	62	418045	10.00	PPB	100
50) Trichloroethene	13.75	95	497538	10.00	PPB	100
52) Methyl methacrylate	14.13	69	130762	10.00	PPB	100
53) 1,2-Dichloropropane	14.11	63	455660	10.00	PPB	100
54) 1,4-Dioxane	14.25	88	53225	400.00	PPB	100
55) Dibromomethane	14.30	93	232702	10.00	PPB	100
56) Bromodichloromethane	14.48	83	528170	10.00	PPB	100
57) 2-Chloroethyl Vinyl Ether	14.83	63	79720	10.00	PPB	100
58) 2-Nitropropane	14.81	41	186615	50.00	PPB	100
59) cis-1,3-Dichloropropene	15.11	75	626157	10.00	PPB	100
60) 4-Methyl-2-pentanone (MIBK	15.27	100	506389	200.00	PPB	100
62) Toluene	15.61	92	1181642	10.00	PPB	100
64) Ethyl methacrylate	15.89	69	269497	10.00	PPB	100
65) n-Octane	15.63	85	302968	10.00	PPB	100
66) trans-1,3-Dichloropropene	15.86	75	460496	10.00	PPB	100
67) 1,1,2-Trichloroethane	16.14	83	232223	10.00	PPB	100
68) Tetrachloroethene	16.37	164	448291	10.00	PPB	100
69) 2-Hexanone	16.40	57	344805	200.00	PPB	100
70) 1,3-Dichloropropane	16.39	76	501033	10.00	PPB	100
71) Dibromochloromethane	16.71	129	372744	10.00	PPB	100
72) 1,2-Dibromoethane (EDB)	16.90	107	295995	10.00	PPB	100
73) 1-Chlorohexane	17.34	55	404399	10.00	PPB	100
74) Chlorobenzene	17.48	112	1316352	10.00	PPB	100
75) Ethylbenzene	17.56	106	674117	10.00	PPB	100
76) 1,1,1,2-Tetrachloroethane	17.55	131	433075	10.00	PPB	100

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

Qualitation Report (QT Reviewed)

Data File : J:\MS04\DATA\101007\1010F010.D
Acq On : 10 Oct 2007 2:58 pm
Sample : 8260 ICAL 10PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:03:01 2007

Vial: 10
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77)	m,p-Xylenes	17.69	106	1707997	20.00	PPB	100
78)	o-Xylene	18.18	106	812347	10.00	PPB	100
79)	Styrene	18.18	104	1312685	10.00	PPB	100
80)	Bromoform	18.47	173	186536	10.00	PPB	100
81)	Isopropylbenzene	18.57	105	2052920	10.00	PPB	100
84)	cis-1,4-Dichloro-2-Butene	18.65	88	216237	40.00	PPB	100
85)	1,1,2,2-Tetrachloroethane	18.90	83	273097	10.00	PPB	100
86)	Bromobenzene	19.00	156	546910	10.00	PPB	100
87)	n-Propylbenzene	19.03	91	2483670	10.00	PPB	100
88)	trans-1,3-Dichloro-2-Buten	18.95	53	51551	10.00	PPB	100
89)	1,2,3-Trichloropropane	18.99	110	76083	10.00	PPB	100
90)	2-Chlorotoluene	19.18	91	1560888	10.00	PPB	100
91)	1,3,5-Trimethylbenzene	19.19	105	1601692	10.00	PPB	100
92)	4-Chlorotoluene	19.29	91	1415630	10.00	PPB	100
93)	tert-Butylbenzene	19.58	134	400366	10.00	PPB	100
94)	1,2,4-Trimethylbenzene	19.62	105	1592454	10.00	PPB	100
95)	sec-Butylbenzene	19.81	105	2093490	10.00	PPB	100
96)	p-Isopropyltoluene	19.95	119	1829985	10.00	PPB	100
97)	1,3-Dichlorobenzene	20.02	146	1024610	10.00	PPB	100
98)	1,4-Dichlorobenzene	20.11	146	1032216	10.00	PPB	100
99)	n-Butylbenzene	20.40	91	1571162	10.00	PPB	100
100)	1,2-Dichlorobenzene	20.56	146	855195	10.00	PPB	100
101)	1,2-Dibromo-3-chloropropan	21.47	157	42854	10.00	PPB	100
102)	1,3,5-Trichlorobenzene	21.69	180	618089	10.00	PPB	100
103)	1,2,4-Trichlorobenzene	22.51	180	427823	10.00	PPB	100
104)	Hexachlorobutadiene	22.67	225	201249	10.00	PPB	100
105)	Naphthalene	22.91	128	489820	10.00	PPB	100
106)	1,2,3-Trichlorobenzene	23.25	180	285348	10.00	PPB	100

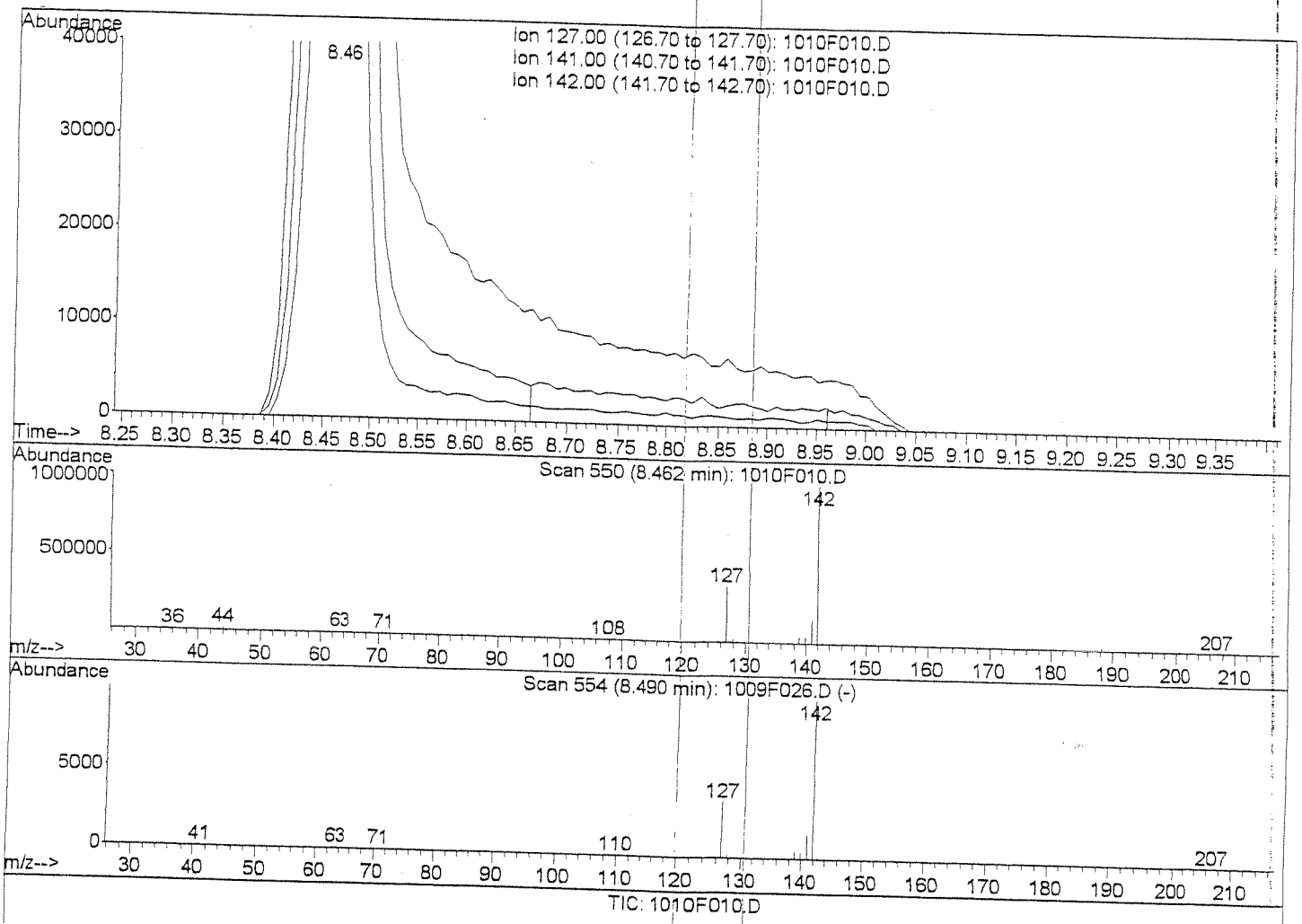
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS04\DATA\101007\1010F010.D
Acq On : 10 Oct 2007 2:58 pm
Sample : 8260 ICAL 10PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:03 2007

Vial: 10
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Multiple Level Calibration



(13) Iodomethane (T)

8.46min 38.12PPB

response 1111039

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	40.11
142.00	282.80	282.75
0.00	0.00	0.00

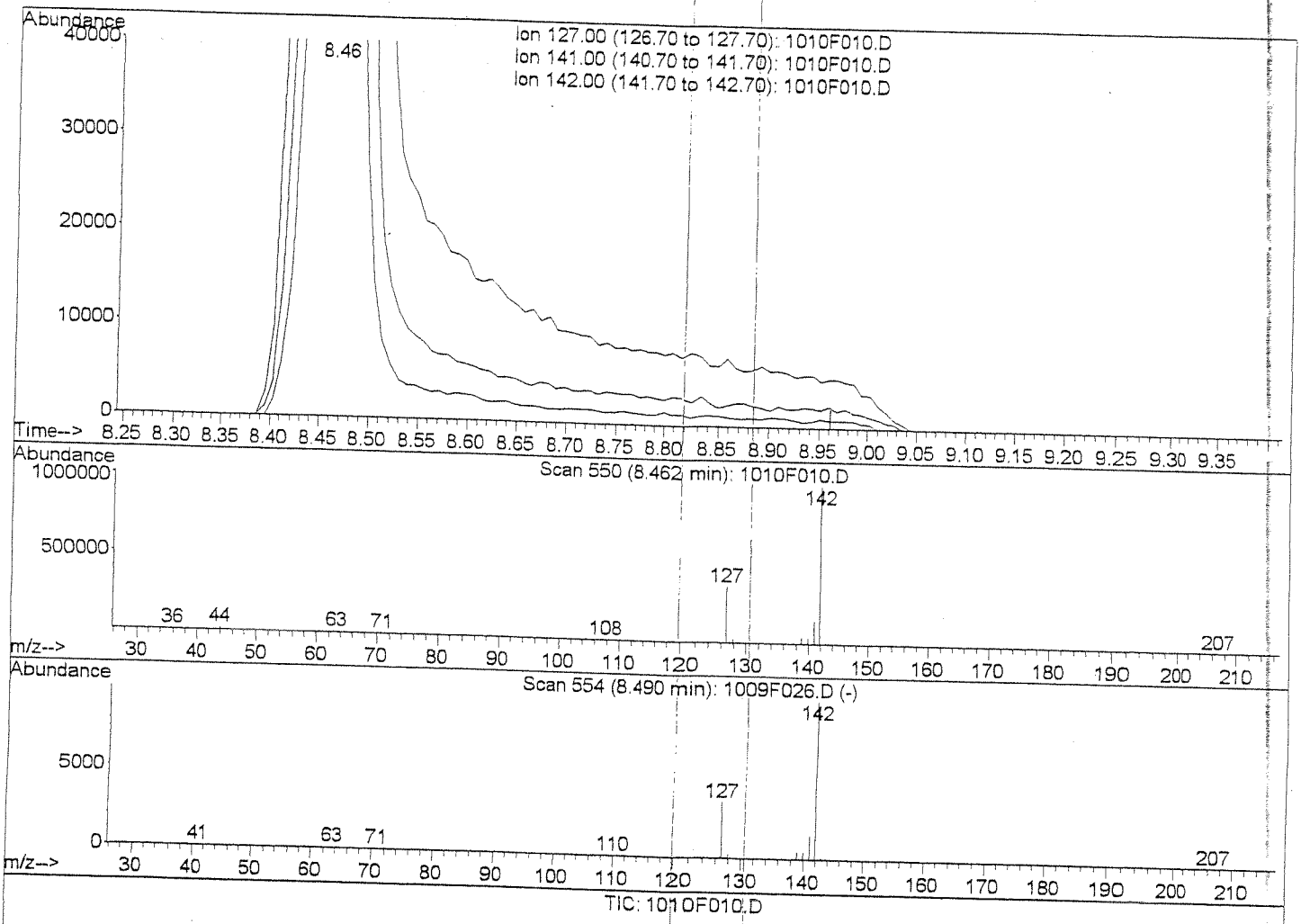
1010F010.D 101007MS04-8260.M Wed Oct 10 16:03:18 2007

Data File : J:\MS04\DATA\101007\1010F010.D
Acq On : 10 Oct 2007 2:58 pm
Sample : 8260 ICAL 10PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:03 2007

Vial: 10
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Multiple Level Calibration



TIC: 1010F010.D

(13) Iodomethane (T)

8.46min 40.00PPB m

response 1165742

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	40.11
142.00	282.80	282.75
0.00	0.00	0.00

Peak Tailing
Hz 10.10.07
F-A-h-10/11/7.

1010F010.D 101007MS04-8260.M Wed Oct 10 16:03:22 2007

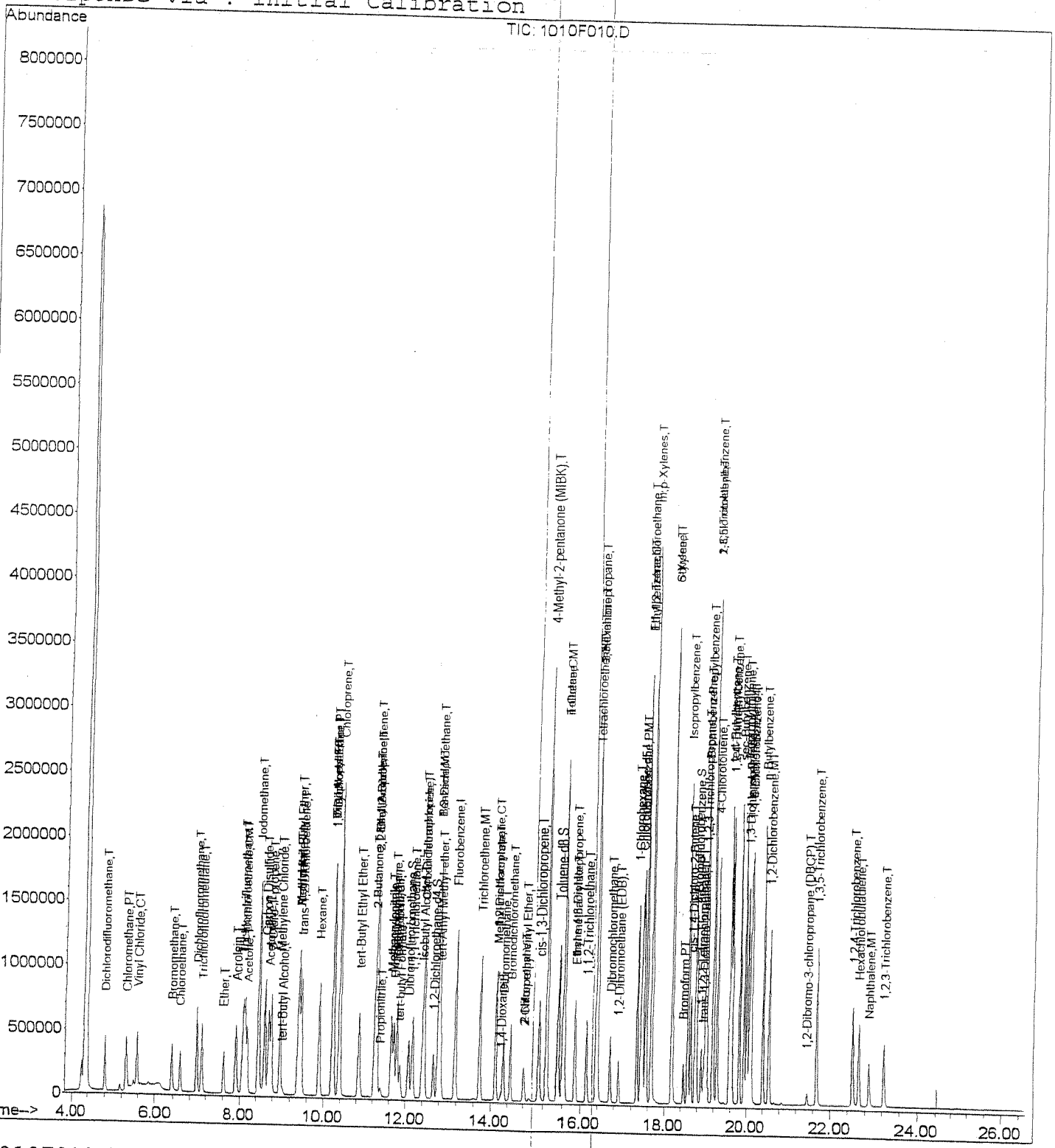
(QA Reviewed)

Data File : J:\MS04\DATA\101007\1010F010.D
Acq On : 10 Oct 2007 2:58 pm
Sample : 8260 ICAL 10PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:03 2007

Vial: 10
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration



(QA reviewed)

Data File : J:\MS04\DATA\101007\1010F011.D
Acq On : 10 Oct 2007 3:30 pm
Sample : 8260 ICAL 20PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:04:03 2007

Vial: 11
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

#10.10.07
F.A.h.10/11/07.

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	13.18	96	1816711	10.00	PPB		0.00
63) Chlorobenzene-d5	17.44	117	1272829	10.00	PPB		0.00
83) 1,4-Dichlorobenzene-d4	20.07	152	619372	10.00	PPB		0.00
System Monitoring Compounds							
41) Dibromofluoromethane	12.06	113	1000303	23.37	PPB		0.00
Spiked Amount 10.000			Recovery = 233.70%				
47) 1,2-Dichloroethane-d4	12.66	65	660605	21.50	PPB		0.00
Spiked Amount 10.000			Recovery = 215.00%				
61) Toluene-d8	15.52	98	2942716	26.41	PPB		0.00
Spiked Amount 10.000			Recovery = 264.10%				
82) 4-Bromofluorobenzene	18.78	95	1078177	23.26	PPB		0.00
Spiked Amount 10.000			Recovery = 232.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	4.81	85	1224694	21.82	PPB		98
3) Chloromethane	5.30	50	1440757	21.37	PPB		99
4) Vinyl Chloride	5.57	62	1324944	21.55	PPB		98
5) Bromomethane	6.37	94	935660	23.01	PPB		100
6) Chloroethane	6.58	64	906768	20.75	PPB		100
7) Dichlorofluoromethane	6.97	67	2162691	20.58	PPB		99
8) Trichlorofluoromethane	7.10	101	1436887	21.19	PPB		99
9) Ether	7.63	59	555087	20.37	PPB		99
10) Trichlorotrifluoroethane	8.07	151	934803	21.80	PPB		99
11) 1,1-Dichloroethene	8.12	96	980103	21.34	PPB		99
12) Acetone	8.17	43	1824979	386.92	PPB		100
13) Iodomethane	8.46	127	2588134m	85.73	PPB		
14) Carbon Disulfide	8.61	76	4088405	21.27	PPB		99
15) Acrolein	7.91	56	1520460	405.99	PPB		99
17) 3-Cloro-1-propene	8.76	41	1575003	20.52	PPB		98
18) Acetonitrile	8.71	41	2086862	808.65	PPB		99
19) Methylene Chloride	8.98	84	1132991	19.89	PPB		99
20) tert-Butyl Alcohol	9.04	59	113626	100.37	PPB		97
21) Methyl tert-Butyl Ether	9.41	73	2937315	40.62	PPB		100
22) trans-1,2-Dichloroethene	9.47	96	1230454	20.86	PPB		97
23) Hexane	9.89	57	1490203	22.68	PPB		98
24) 1,1-Dichloroethane	10.22	63	1899592	20.49	PPB		99
25) Vinyl Acetate	10.21	86	246194	41.92	PPB	#	87
26) Acrylonitrile	9.41	53	645606	80.35	PPB		99
27) Diisopropyl Ether	10.21	45	2896985	20.76	PPB		100
28) Chloroprene	10.38	88	3569762	85.75	PPB		99
29) tert-Butyl Ethyl Ether	10.87	59	2091594	20.73	PPB		98

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

Data File : J:\MS04\DATA\101007\1010F011.D
Acq On : 10 Oct 2007 3:30 pm
Sample : 8260 ICAL 20PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:04:03 2007

Vial: 11
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30) 2,2-Dichloropropane	11.29	77	1324096	20.76 PPB	99
31) Ethyl Acetate	11.26	70	184377	81.28 PPB	99
32) cis-1,2-Dichloroethene	11.27	96	1229419	20.59 PPB	99
33) 2-Butanone	11.23	72	750872	393.81 PPB	99
34) Propionitrile	11.38	54	201139	79.41 PPB	99
35) Methacrylonitrile	11.65	67	720235	82.51 PPB	99
36) Bromochloromethane	11.71	128	560754	19.88 PPB	99
37) Chloroform	11.79	83	1753202	20.41 PPB	99
38) tert-butyl Formate	11.86	59	401899	21.18 PPB	98
39) Tetrahydrofuran	11.77	42	88235	19.34 PPB	98
40) 1,1,1-Trichloroethane	12.16	97	1356101	20.76 PPB	98
43) Isobutyl Alcohol	12.39	43	385608	818.25 PPB	97
44) Carbon Tetrachloride	12.44	117	1180686	20.87 PPB	99
45) 1,1-Dichloropropene	12.41	75	1474589	21.11 PPB	99
46) tert-Amyl Methyl-ether	12.83	55	376514	20.06 PPB	93
48) Benzene	12.78	78	4212969	20.94 PPB	99
49) 1,2-Dichloroethane	12.79	62	867744	20.04 PPB	98
50) Trichloroethene	13.74	95	1078522	20.93 PPB	100
52) Methyl methacrylate	14.13	69	284317	20.99 PPB	98
53) 1,2-Dichloropropane	14.11	63	980632	20.77 PPB	99
54) 1,4-Dioxane	14.25	88	108720	788.71 PPB	96
55) Dibromomethane	14.30	93	487828	20.24 PPB	99
56) Bromodichloromethane	14.48	83	1114523	20.37 PPB	99
57) 2-Chloroethyl Vinyl Ether	14.83	63	180005	21.80 PPB	97
58) 2-Nitropropane	14.81	41	396295	102.50 PPB	94
59) cis-1,3-Dichloropropene	15.11	75	1361598	20.99 PPB	99
60) 4-Methyl-2-pentanone (MIBK	15.27	100	1041821	397.19 PPB	98
62) Toluene	15.61	92	2559213	20.91 PPB	97
64) Ethyl methacrylate	15.89	69	590466	21.30 PPB	98
65) n-Octane	15.63	85	703321	22.57 PPB	98
66) trans-1,3-Dichloropropene	15.86	75	980219	20.70 PPB	100
67) 1,1,2-Trichloroethane	16.14	83	494490	20.71 PPB	98
68) Tetrachloroethene	16.37	164	988493	21.44 PPB	98
69) 2-Hexanone	16.39	57	711336	401.20 PPB	97
70) 1,3-Dichloropropane	16.39	76	1047372	20.33 PPB	100
71) Dibromochloromethane	16.71	129	794175	20.72 PPB	99
72) 1,2-Dibromoethane (EDB)	16.90	107	618177	20.31 PPB	99
73) 1-Chlorohexane	17.34	55	910444	21.89 PPB	99
74) Chlorobenzene	17.47	112	2838187	20.97 PPB	99
75) Ethylbenzene	17.56	106	1477146	21.31 PPB	99
76) 1,1,1,2-Tetrachloroethane	17.55	131	926299	20.80 PPB	99

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

(QA Reviewed)

Data File : J:\MS04\DATA\101007\1010F011.D
Acq On : 10 Oct 2007 3:30 pm
Sample : 8260 ICAL 20PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:04:03 2007

Vial: 11
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77) m,p-Xylenes	17.69	106	3748188	42.68	PPB	99
78) o-Xylene	18.17	106	1750135	20.95	PPB	100
79) Styrene	18.18	104	2863442	21.21	PPB	99
80) Bromoform	18.47	173	403497	21.03	PPB	97
81) Isopropylbenzene	18.57	105	4578509	21.69	PPB	99
84) cis-1,4-Dichloro-2-Butene	18.65	88	479360	87.21	PPB	98
85) 1,1,2,2-Tetrachloroethane	18.90	83	563622	20.30	PPB	100
86) Bromobenzene	19.00	156	1149836	20.68	PPB	99
87) n-Propylbenzene	19.03	91	5478380	21.69	PPB	100
88) trans-1,3-Dichloro-2-Buten	18.95	53	109815	20.95	PPB	96
89) 1,2,3-Trichloropropane	18.98	110	157442	20.35	PPB	92
90) 2-Chlorotoluene	19.18	91	3354482	21.14	PPB	100
91) 1,3,5-Trimethylbenzene	19.19	105	3522599	21.63	PPB	99
92) 4-Chlorotoluene	19.29	91	3064810	21.29	PPB	99
93) tert-Butylbenzene	19.58	134	878383	21.58	PPB	99
94) 1,2,4-Trimethylbenzene	19.62	105	3483817	21.52	PPB	100
95) sec-Butylbenzene	19.81	105	4633535	21.77	PPB	99
96) p-Isopropyltoluene	19.95	119	4064103	21.84	PPB	99
97) 1,3-Dichlorobenzene	20.01	146	2174540	20.87	PPB	99
98) 1,4-Dichlorobenzene	20.11	146	2149764	20.48	PPB	99
99) n-Butylbenzene	20.40	91	3477742	21.77	PPB	100
100) 1,2-Dichlorobenzene	20.55	146	1794650	20.64	PPB	100
101) 1,2-Dibromo-3-chloropropan	21.46	157	86746	19.91	PPB	94
102) 1,3,5-Trichlorobenzene	21.69	180	1319013	20.99	PPB	100
103) 1,2,4-Trichlorobenzene	22.50	180	910585	20.93	PPB	99
104) Hexachlorobutadiene	22.66	225	438999	21.45	PPB	99
105) Naphthalene	22.91	128	1072815	21.54	PPB	99
106) 1,2,3-Trichlorobenzene	23.25	180	605190	20.86	PPB	98

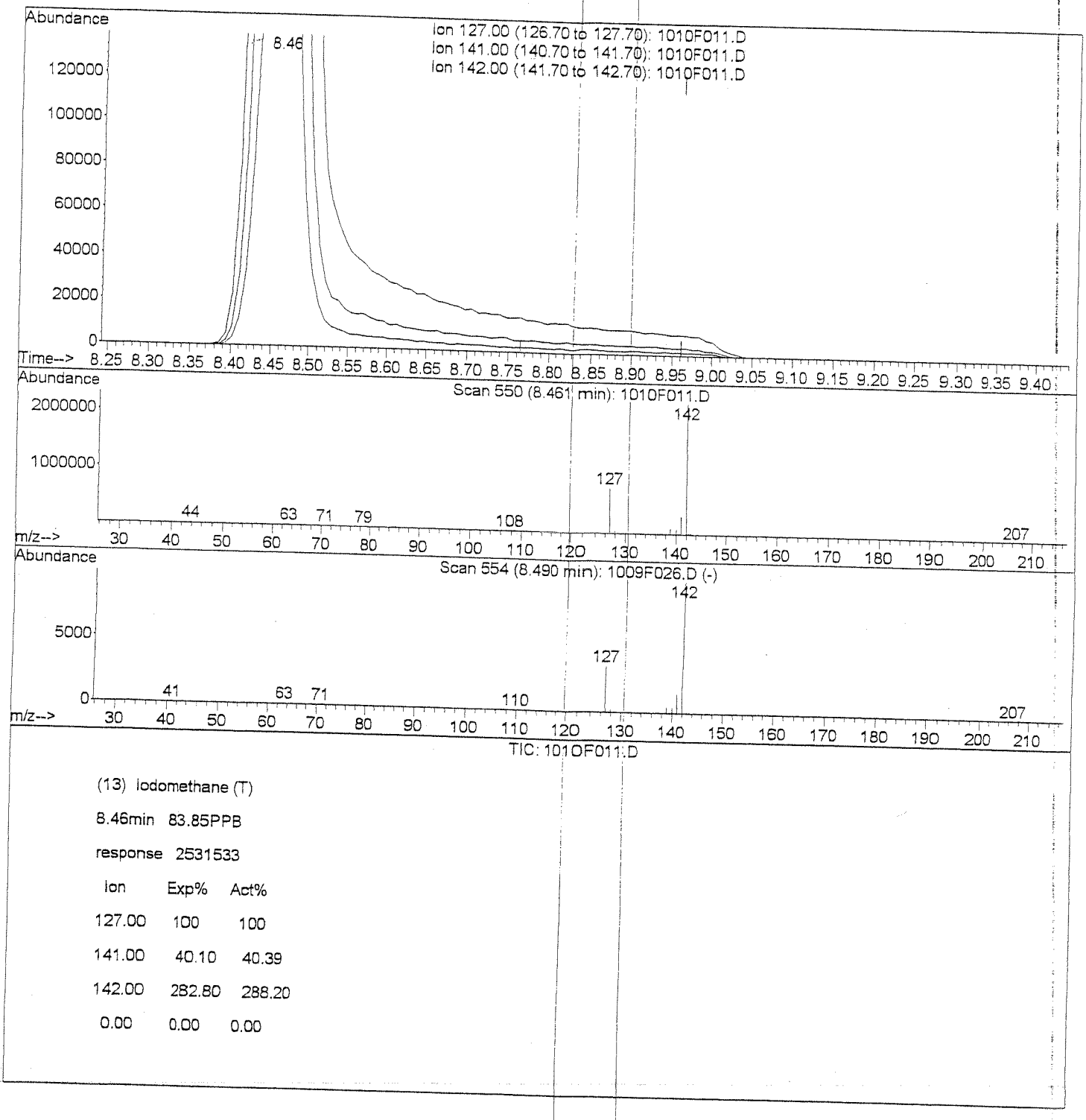
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS04\DATA\101007\1010F011.D
Acq On : 10 Oct 2007 3:30 pm
Sample : 8260 ICAL 20PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:04 2007

Vial: 11
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Multiple Level Calibration



(13) Iodomethane (T)

8.46min 83.85PPB

response 2531533

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	40.39
142.00	282.80	288.20
0.00	0.00	0.00

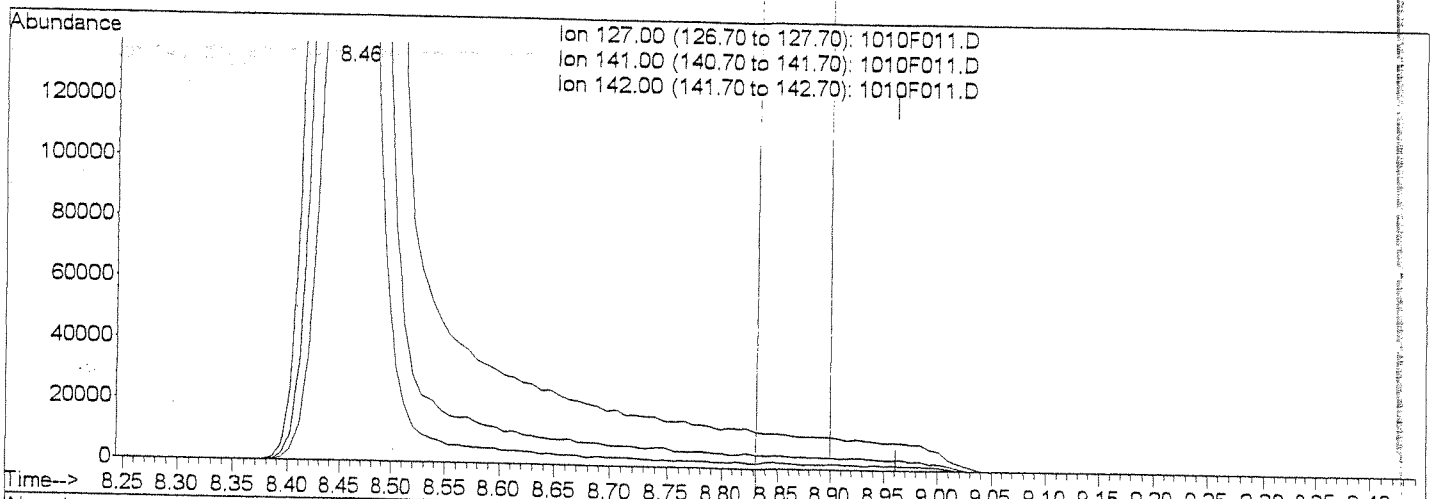
1010F011.D 101007MS04-8260.M Wed Oct 10 16:04:19 2007

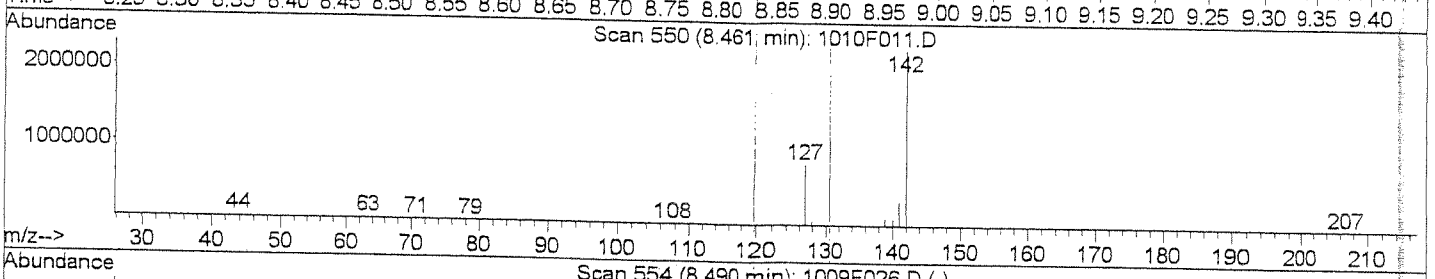
Data File : J:\MS04\DATA\101007\1010F011.D
Acq On : 10 Oct 2007 3:30 pm
Sample : 8260 ICAL 20PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:04 2007

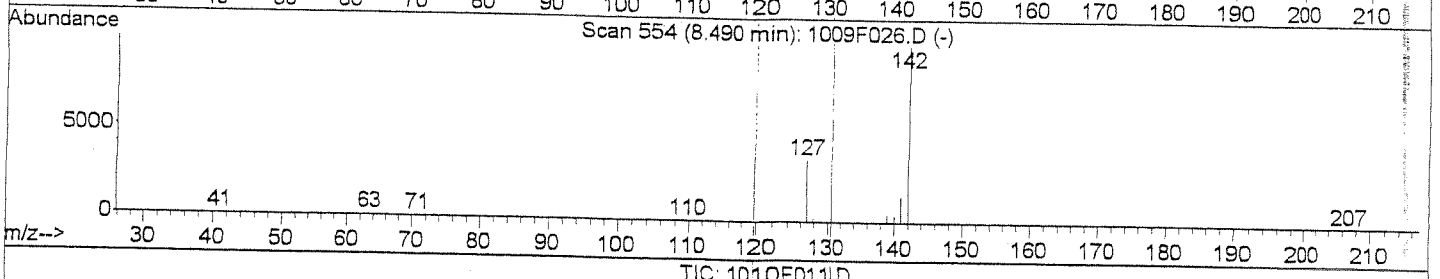
Vial: 11
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Multiple Level Calibration







TIC: 1010F011.D

(13) Iodomethane (T)

8.46min 85.73PPB m

response 2588134

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	40.39
142.00	282.80	288.20
0.00	0.00	0.00

Peak Tailing
HC 10.10.07
F-A-h. 10/11/7.

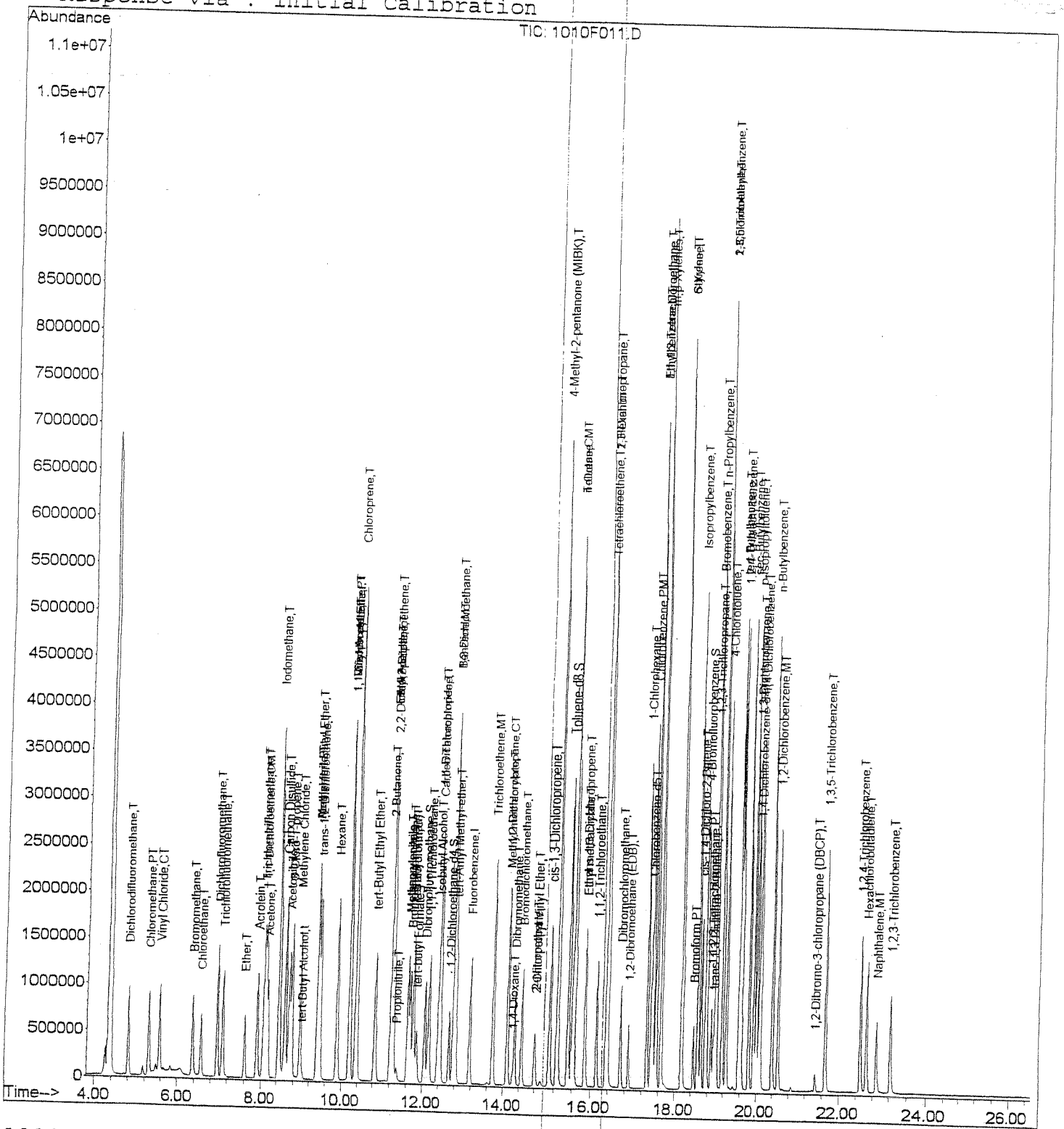
1010F011.D 101007MS04-8260.M Wed Oct 10 16:04:23 2007

Data File : J:\MS04\DATA\101007\1010F011.D
Acq On : 10 Oct 2007 3:30 pm
Sample : 8260 ICAL 20PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:04 2007

Vial: 11
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:02:47 2007
Response via : Initial Calibration



Data Path : J:\MS04\DATA\101007\1010F012.D (QT Reviewed)

Data File : J:\MS04\DATA\101007\1010F012.D
Acq On : 10 Oct 2007 4:03 pm
Sample : 8260 ICAL 40PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:30:15 2007

Vial: 12
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:26:00 2007
Response via : Initial Calibration
DataAcq Meth : 8260

HC 10.10.07
F.A.H. 10/11/7

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	13.18	96	1893438	10.00	PPB	0.00
63) Chlorobenzene-d5	17.44	117	1320897	10.00	PPB	0.00
83) 1,4-Dichlorobenzene-d4	20.07	152	642144	10.00	PPB	0.00
System Monitoring Compounds						
41) Dibromofluoromethane	12.06	113	2064316	42.71	PPB	0.00
Spiked Amount 10.000			Recovery = 427.10%			
47) 1,2-Dichloroethane-d4	12.66	65	1343457	39.54	PPB	0.00
Spiked Amount 10.000			Recovery = 395.40%			
61) Toluene-d8	15.51	98	6322328	49.27	PPB	0.00
Spiked Amount 10.000			Recovery = 492.70%			
82) 4-Bromofluorobenzene	18.78	95	2243069	44.56	PPB	0.00
Spiked Amount 10.000			Recovery = 445.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.81	85	2359887	44.30	PPB	98
3) Chloromethane	5.30	50	2970674	40.84	PPB	99
4) Vinyl Chloride	5.57	62	2665082	44.68	PPB	99
5) Bromomethane	6.37	94	1977121	46.33	PPB	99
6) Chloroethane	6.58	64	1799277	39.24	PPB	99
7) Dichlorofluoromethane	6.97	67	4334418	40.20	PPB	99
8) Trichlorofluoromethane	7.10	101	2821716	41.81	PPB	100
9) Ether	7.62	59	1163077	42.00	PPB	99
10) Trichlorotrifluoroethane	8.07	151	1821975	42.10	PPB	98
11) 1,1-Dichloroethene	8.12	96	1967970	43.96	PPB	99
12) Acetone	8.17	43	3781683	775.74	PPB	99
13) Iodomethane	8.46	127	5214772m	223.18	PPB	
14) Carbon Disulfide	8.61	76	8277825	43.56	PPB	99
15) Acrolein	7.91	56	3170742	841.54	PPB	99
17) 3-Cloro-1-propene	8.76	41	3214852	39.60	PPB	99
18) Acetonitrile	8.70	41	4375445	1549.61	PPB	100
19) Methylene Chloride	8.99	84	2239836	22.72	PPB	96
20) tert-Butyl Alcohol	9.04	59	260306	213.94	PPB	98
21) Methyl tert-Butyl Ether	9.41	73	6100456	82.64	PPB	99
22) trans-1,2-Dichloroethene	9.47	96	2460493	41.41	PPB	99
23) Hexane	9.89	57	2985406	45.75	PPB	99
24) 1,1-Dichloroethane	10.22	63	3837016	40.25	PPB	99
25) Vinyl Acetate	10.21	86	519433	87.93	PPB #	90
26) Acrylonitrile	9.40	53	1352452	163.31	PPB	100
27) Diisopropyl Ether	10.21	45	6051872	40.93	PPB	100
28) Chloroprene	10.38	88	7281387	188.40	PPB	98
29) tert-Butyl Ethyl Ether	10.86	59	4408551	43.10	PPB	99

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

(QA Reviewed)

Data File : J:\MS04\DATA\101007\1010F012.D
Acq On : 10 Oct 2007 4:03 pm
Sample : 8260 ICAL 40PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:30:15 2007

Vial: 12
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:26:00 2007
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
30)	2,2-Dichloropropane	11.29	77	2629801	40.14	PPB		99
31)	Ethyl Acetate	11.26	70	379915	160.88	PPB		97
32)	cis-1,2-Dichloroethene	11.27	96	2477670	40.50	PPB		99
33)	2-Butanone	11.23	72	1599324	881.88	PPB		96
34)	Propionitrile	11.38	54	426604	162.11	PPB		98
35)	Methacrylonitrile	11.65	67	1512371	174.31	PPB		99
36)	Bromochloromethane	11.71	128	1118968	38.07	PPB		97
37)	Chloroform	11.78	83	3527927	39.51	PPB		99
38)	tert-butyl Formate	11.86	59	831165	45.52	PPB		96
39)	Tetrahydrofuran	11.77	42	185852	35.16	PPB		89
40)	1,1,1-Trichloroethane	12.16	97	2728456	42.38	PPB		99
43)	Isobutyl Alcohol	12.38	43	830478	1653.27	PPB		99
44)	Carbon Tetrachloride	12.44	117	2364000	43.20	PPB		99
45)	1,1-Dichloropropene	12.41	75	2983069	44.35	PPB		100
46)	tert-Amyl Methyl-ether	12.83	55	757884	37.48	PPB	#	88
48)	Benzene	12.78	78	8659149	42.25	PPB		99
49)	1,2-Dichloroethane	12.79	62	1731016	38.04	PPB		98
50)	Trichloroethene	13.74	95	2182769	43.83	PPB		100
52)	Methyl methacrylate	14.12	69	609189	45.79	PPB		84
53)	1,2-Dichloropropane	14.11	63	1993077	40.11	PPB		92
54)	1,4-Dioxane	14.25	88	235822	1706.99	PPB		94
55)	Dibromomethane	14.30	93	987375	38.94	PPB		99
56)	Bromodichloromethane	14.48	83	2281074	40.31	PPB		99
57)	2-Chloroethyl Vinyl Ether	14.83	63	343009	40.69	PPB		98
58)	2-Nitropropane	14.81	41	822450	200.49	PPB		94
59)	cis-1,3-Dichloropropene	15.11	75	2827490	43.54	PPB		98
60)	4-Methyl-2-pentanone (MIBK	15.27	100	2259875	930.61	PPB		97
62)	Toluene	15.61	92	5225361	43.71	PPB		96
64)	Ethyl methacrylate	15.89	69	1269269	47.64	PPB		99
65)	n-Octane	15.62	85	1404960	44.81	PPB		99
66)	trans-1,3-Dichloropropene	15.86	75	2043059	44.38	PPB		99
67)	1,1,2-Trichloroethane	16.14	83	1009873	40.55	PPB		98
68)	Tetrachloroethene	16.37	164	1971893	42.49	PPB		98
69)	2-Hexanone	16.39	57	1528270	943.93	PPB		95
70)	1,3-Dichloropropane	16.38	76	2153105	40.27	PPB		99
71)	Dibromochloromethane	16.70	129	1652537	42.25	PPB		100
72)	1,2-Dibromoethane (EDB)	16.90	107	1282913	41.10	PPB		99
73)	1-Chlorohexane	17.34	55	1826362	45.34	PPB		100
74)	Chlorobenzene	17.47	112	5832482	42.08	PPB		99
75)	Ethylbenzene	17.56	106	3017918	45.11	PPB		98
76)	1,1,1,2-Tetrachloroethane	17.55	131	1884633	41.88	PPB		99

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

Quantitation Report (QT Reviewed)

Data File : J:\MS04\DATA\101007\1010F012.D
Acq On : 10 Oct 2007 4:03 pm
Sample : 8260 ICAL 40PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:30:15 2007

Vial: 12
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:26:00 2007
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77)	m,p-Xylenes	17.68	106	7667536	90.62	PPB	90
78)	o-Xylene	18.17	106	3571357	45.57	PPB	98
79)	Styrene	18.18	104	5967455	47.46	PPB	98
80)	Bromoform	18.47	173	841800	43.37	PPB	99
81)	Isopropylbenzene	18.57	105	9437301	47.57	PPB	98
84)	cis-1,4-Dichloro-2-Butene	18.65	88	1005195	193.55	PPB	98
85)	1,1,2,2-Tetrachloroethane	18.90	83	1164800	39.76	PPB	100
86)	Bromobenzene	19.00	156	2343900	41.75	PPB	99
87)	n-Propylbenzene	19.03	91	11342842	46.95	PPB	99
88)	trans-1,3-Dichloro-2-Buten	18.95	53	226393	41.95	PPB	91
89)	1,2,3-Trichloropropane	18.98	110	324492	40.17	PPB	90
90)	2-Chlorotoluene	19.18	91	6819958	43.33	PPB	99
91)	1,3,5-Trimethylbenzene	19.19	105	7282766	46.22	PPB	99
92)	4-Chlorotoluene	19.29	91	6286358	43.40	PPB	98
93)	tert-Butylbenzene	19.57	134	1774508	45.68	PPB	98
94)	1,2,4-Trimethylbenzene	19.62	105	7162801	46.90	PPB	99
95)	sec-Butylbenzene	19.81	105	9561832	47.11	PPB	99
96)	p-Isopropyltoluene	19.95	119	8371128	47.62	PPB	99
97)	1,3-Dichlorobenzene	20.01	146	4428593	42.00	PPB	99
98)	1,4-Dichlorobenzene	20.11	146	4374208	40.10	PPB	99
99)	n-Butylbenzene	20.40	91	7149501	47.71	PPB	100
100)	1,2-Dichlorobenzene	20.55	146	3647939	41.02	PPB	99
101)	1,2-Dibromo-3-chloropropan	21.46	157	186166	44.51	PPB	94
102)	1,3,5-Trichlorobenzene	21.68	180	2675358	44.26	PPB	99
103)	1,2,4-Trichlorobenzene	22.50	180	1871421	44.38	PPB	99
104)	Hexachlorobutadiene	22.65	225	882839	42.84	PPB	98
105)	Naphthalene	22.91	128	2276573	47.29	PPB	99
106)	1,2,3-Trichlorobenzene	23.25	180	1254516	44.70	PPB	97

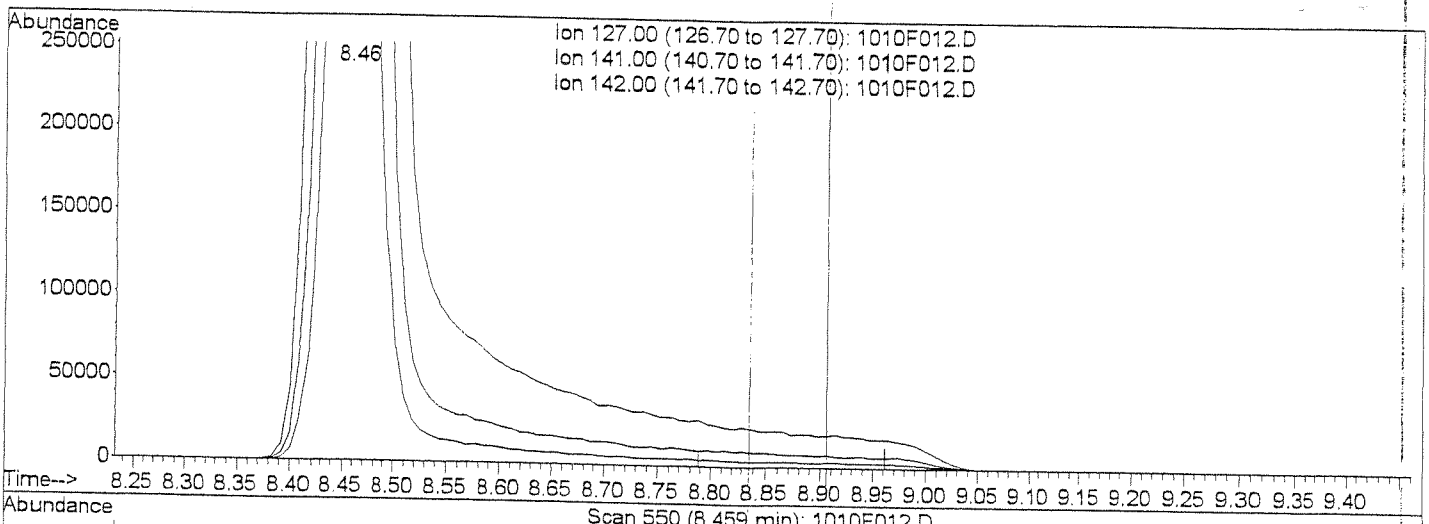
(#) = qualifier out of range (m) = manual integration

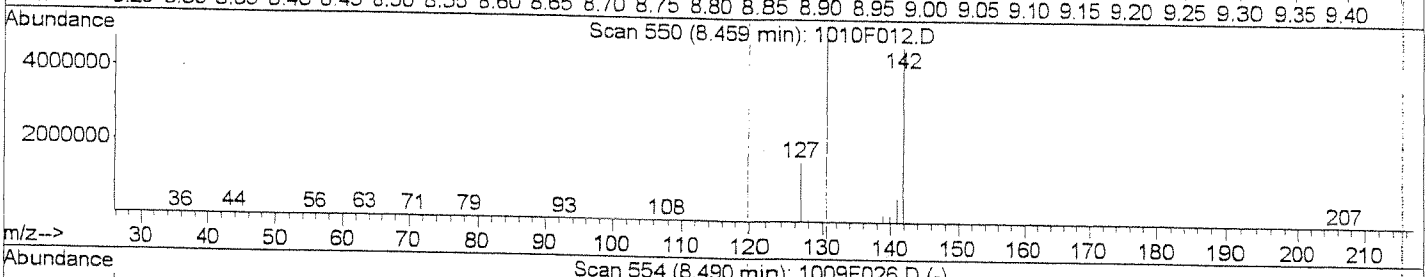
Data File : J:\MS04\DATA\101007\1010F012.D
Acq On : 10 Oct 2007 4:03 pm
Sample : 8260 ICAL 40PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:30 2007

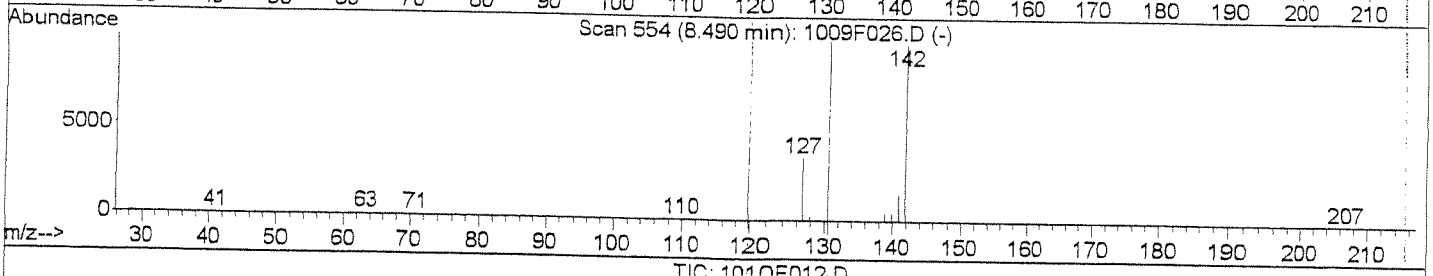
Vial: 12
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:26:00 2007
Response via : Multiple Level Calibration







TIC: 1010F012.D

(13) Iodomethane (T)

8.46min 219.05PPB

response 5118420

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	40.26
142.00	282.80	293.71
0.00	0.00	0.00

1010F012.D 101007MS04-8260.M Wed Oct 10 16:30:31 2007

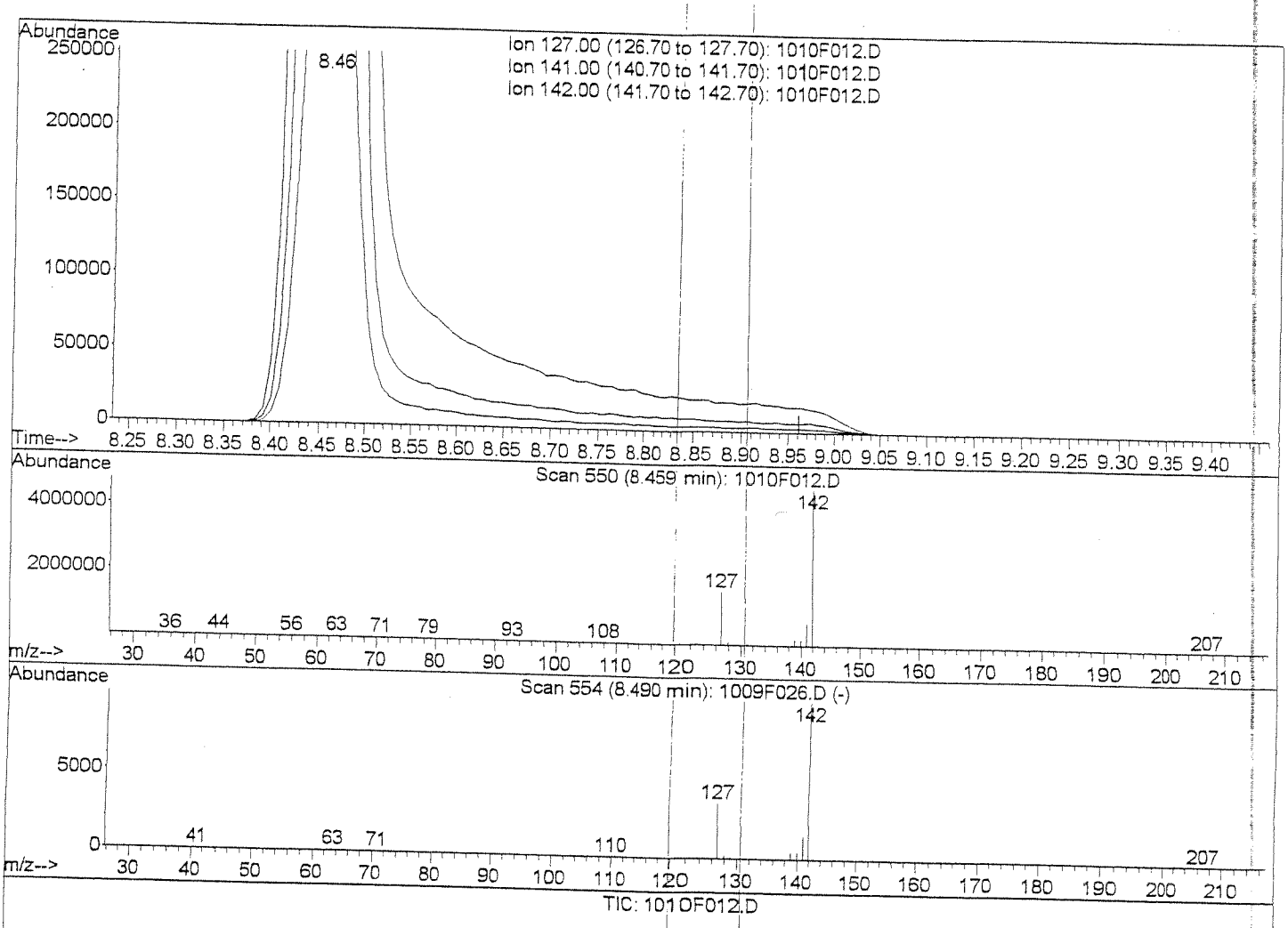
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\101007\1010F012.D
Acq On : 10 Oct 2007 4:03 pm
Sample : 8260 ICAL 40PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:30 2007

Vial: 12
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:26:00 2007
Response via : Multiple Level Calibration



TIC: 1010F012.D

(13) Iodomethane (T)

8.46min 223.18PPB m

response 5214772

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	40.26
142.00	282.80	293.71
0.00	0.00	0.00

Peak Tailing
HL 10.10.07
F-A-h-10/11/7

1010F012.D 101007MS04-8260.M Wed Oct 10 16:30:36 2007

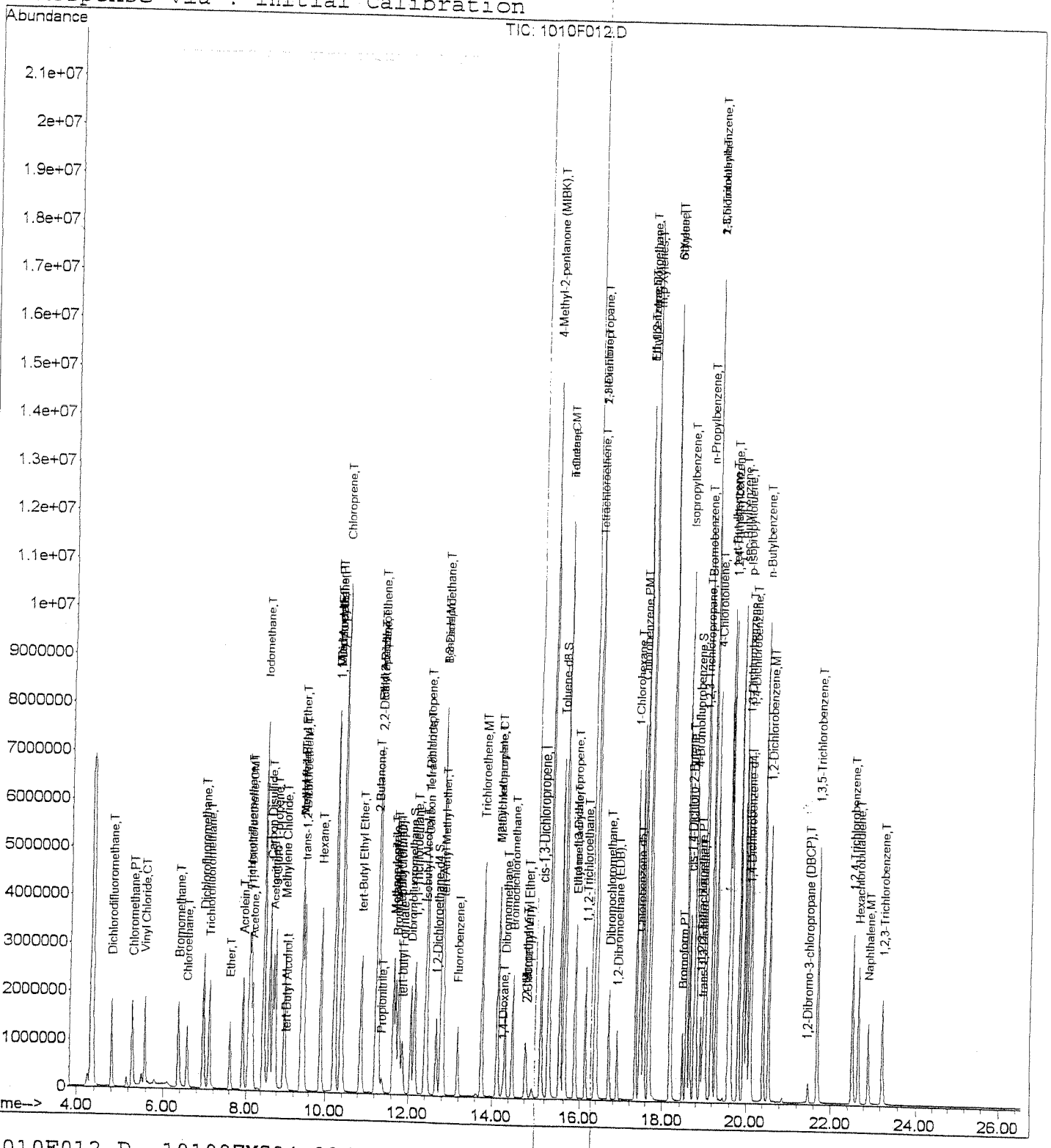
Quantitation Report (QT Reviewed)

Data File : J:\MS04\DATA\101007\1010F012.D
Acq On : 10 Oct 2007 4:03 pm
Sample : 8260 ICAL 40PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 16:30 2007

Vial: 12
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:31:21 2007
Response via : Initial Calibration



1010F012.D 101007MS04-8260.M Wed Oct 10 16:31:45 2007 Page 4

Data File : J:\MS04\DATA\101007\1010F013.D
Acq On : 10 Oct 2007 4:35 pm
Sample : 8260 ICAL 60PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 17:06:54 2007

Vial: 13
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:31:21 2007
Response via : Initial Calibration
DataAcq Meth : 8260

HZ 10 10 07
F.A.h. 10/11/07

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	13.18	96	1971841	10.00	PPB	0.00
63) Chlorobenzene-d5	17.44	117	1346900	10.00	PPB	0.00
83) 1,4-Dichlorobenzene-d4	20.07	152	642094	10.00	PPB	0.00
System Monitoring Compounds						
41) Dibromofluoromethane	12.06	113	2586681	50.95	PPB	0.00
Spiked Amount 10.000			Recovery = 509.50%			
47) 1,2-Dichloroethane-d4	12.66	65	1675430	47.42	PPB	0.00
Spiked Amount 10.000			Recovery = 474.20%			
61) Toluene-d8	15.51	98	7804920	56.76	PPB	0.00
Spiked Amount 10.000			Recovery = 567.60%			
82) 4-Bromofluorobenzene	18.78	95	2795257	53.69	PPB	0.00
Spiked Amount 10.000			Recovery = 536.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.81	85	3687921	65.69	PPB	98
3) Chloromethane	5.30	50	4649276	61.22	PPB	98
4) Vinyl Chloride	5.57	62	4189727	66.58	PPB	100
5) Bromomethane	6.36	94	3212518	70.89	PPB	100
6) Chloroethane	6.58	64	2785069	58.47	PPB	99
7) Dichlorofluoromethane	6.96	67	6684355	59.49	PPB	99
8) Trichlorofluoromethane	7.10	101	4360254	61.69	PPB	99
9) Ether	7.62	59	1815988	62.58	PPB	100
10) Trichlorotrifluoroethane	8.07	151	2802067	61.77	PPB	96
11) 1,1-Dichloroethene	8.12	96	3056686	64.85	PPB	99
12) Acetone	8.17	43	7874124	1556.25	PPB	99
13) Iodomethane	8.46	127	8237545m	322.60	PPB	
14) Carbon Disulfide	8.61	76	13011300	65.11	PPB	99
15) Acrolein	7.91	56	5003725	1267.00	PPB	98
17) 3-Cloro-1-propene	8.76	41	5110969	60.53	PPB	98
18) Acetonitrile	8.70	41	6930379	2366.18	PPB	99
19) Methylene Chloride	8.98	84	3434580	35.14	PPB	99
20) tert-Butyl Alcohol	9.05	59	413852	322.86	PPB	97
21) Methyl tert-Butyl Ether	9.41	73	9580536	124.16	PPB	99
22) trans-1,2-Dichloroethene	9.47	96	3823536	61.55	PPB	98
23) Hexane	9.88	57	4751712	68.82	PPB	97
24) 1,1-Dichloroethane	10.22	63	5945531	59.84	PPB	99
25) Vinyl Acetate	10.20	86	814374	130.52	PPB	98
26) Acrylonitrile	9.40	53	2105458	243.50	PPB	100
27) Diisopropyl Ether	10.20	45	9489097	61.47	PPB	99
28) Chloroprene	10.38	88	11409201	277.31	PPB	98
29) tert-Butyl Ethyl Ether	10.86	59	6897928	64.20	PPB	98

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

Data File : J:\MS04\DATA\101007\1010F013.D
Acq On : 10 Oct 2007 4:35 pm
Sample : 8260 ICAL 60PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 17:06:54 2007

Vial: 13
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:31:21 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
30) 2,2-Dichloropropane	11.28	77	4054323	59.40	PPB		99
31) Ethyl Acetate	11.26	70	595540	241.97	PPB		98
32) cis-1,2-Dichloroethene	11.27	96	3850562	60.35	PPB		100
33) 2-Butanone	11.23	72	3316512	1736.30	PPB		97
34) Propionitrile	11.38	54	665024	242.13	PPB		98
35) Methacrylonitrile	11.65	67	2353839	257.63	PPB		98
36) Bromochloromethane	11.71	128	1691074	55.58	PPB		97
37) Chloroform	11.78	83	5428489	58.46	PPB		99
38) tert-butyl Formate	11.86	59	1392260	71.98	PPB		95
39) Tetrahydrofuran	11.77	42	280653	52.25	PPB		93
40) 1,1,1-Trichloroethane	12.16	97	4198925	62.16	PPB		98
43) Isobutyl Alcohol	12.38	43	1291164	2454.56	PPB		98
44) Carbon Tetrachloride	12.44	117	3635504	63.16	PPB		99
45) 1,1-Dichloropropene	12.42	75	4626253	65.16	PPB		99
46) tert-Amyl Methyl-ether	12.83	55	1150319	55.12	PPB	#	82
48) Benzene	12.78	78	13553536	63.11	PPB		98
49) 1,2-Dichloroethane	12.79	62	2628975	55.78	PPB		97
50) Trichloroethene	13.74	95	3354867	64.01	PPB		99
52) Methyl methacrylate	14.13	69	956885	67.67	PPB		98
53) 1,2-Dichloropropane	14.11	63	3097129	59.84	PPB		93
54) 1,4-Dioxane	14.26	88	375087	2572.69	PPB		91
55) Dibromomethane	14.30	93	1513418	57.51	PPB		98
56) Bromodichloromethane	14.47	83	3512601	59.54	PPB		99
57) 2-Chloroethyl Vinyl Ether	14.83	63	641230	72.84	PPB		99
58) 2-Nitropropane	14.80	41	1279550	299.42	PPB		96
59) cis-1,3-Dichloropropene	15.11	75	4405119	64.50	PPB		97
60) 4-Methyl-2-pentanone (MIBK	15.28	100	4613187	1791.67	PPB	#	44
62) Toluene	15.61	92	8041285	63.93	PPB		95
64) Ethyl methacrylate	15.88	69	1983814	71.08	PPB		99
65) n-Octane	15.62	85	2171302	66.91	PPB		98
66) trans-1,3-Dichloropropene	15.86	75	3177495	66.88	PPB		99
67) 1,1,2-Trichloroethane	16.14	83	1549674	60.93	PPB		98
68) Tetrachloroethene	16.37	164	3013968	63.20	PPB		99
69) 2-Hexanone	16.40	57	3073067	1824.95	PPB	#	62
70) 1,3-Dichloropropane	16.38	76	3306413	60.60	PPB		99
71) Dibromochloromethane	16.70	129	2547615	63.44	PPB		99
72) 1,2-Dibromoethane (EDB)	16.90	107	1966394	61.57	PPB		100
73) 1-Chlorohexane	17.34	55	2823966	67.62	PPB		100
74) Chlorobenzene	17.47	112	8933318	62.84	PPB		99
75) Ethylbenzene	17.56	106	4625088	66.73	PPB	#	82
76) 1,1,1,2-Tetrachloroethane	17.55	131	2887171	62.59	PPB		99

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

Data File : J:\MS04\DATA\101007\1010F013.D
Acq On : 10 Oct 2007 4:35 pm
Sample : 8260 ICAL 60PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 17:06:54 2007

Vial: 13
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:31:21 2007
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
77)	m,p-Xylenes	17.68	106	11877313	135.41	PPB	#	56
78)	o-Xylene	18.17	106	5438423	67.01	PPB		97
79)	Styrene	18.18	104	9188346	70.04	PPB		98
80)	Bromoform	18.47	173	1294552	64.63	PPB		98
81)	Isopropylbenzene	18.57	105	13722775	66.27	PPB		95
84)	cis-1,4-Dichloro-2-Butene	18.64	88	1559444	292.62	PPB		96
85)	1,1,2,2-Tetrachloroethane	18.90	83	1767808	60.40	PPB		99
86)	Bromobenzene	19.00	156	3569634	63.29	PPB		98
87)	n-Propylbenzene	19.02	91	14945911	60.55	PPB		84
88)	trans-1,3-Dichloro-2-Buten	18.95	53	350805	64.48	PPB		91
89)	1,2,3-Trichloropropane	18.98	110	485746	60.10	PPB		91
90)	2-Chlorotoluene	19.18	91	10475491	65.95	PPB		98
91)	1,3,5-Trimethylbenzene	19.18	105	11147797	69.40	PPB		99
92)	4-Chlorotoluene	19.29	91	9665345	66.11	PPB		97
93)	tert-Butylbenzene	19.57	134	2691402	68.08	PPB		95
94)	1,2,4-Trimethylbenzene	19.62	105	10943786	70.32	PPB		99
95)	sec-Butylbenzene	19.81	105	13833699	66.68	PPB		95
96)	p-Isopropyltoluene	19.94	119	12520780	69.57	PPB		98
97)	1,3-Dichlorobenzene	20.01	146	6756319	63.72	PPB		99
98)	1,4-Dichlorobenzene	20.10	146	6664473	61.08	PPB		98
99)	n-Butylbenzene	20.40	91	11072895	72.16	PPB		99
100)	1,2-Dichlorobenzene	20.55	146	5544953	62.19	PPB		99
101)	1,2-Dibromo-3-chloropropan	21.46	157	283215	66.47	PPB		96
102)	1,3,5-Trichlorobenzene	21.68	180	4069189	66.53	PPB		99
103)	1,2,4-Trichlorobenzene	22.51	180	2841390	66.47	PPB		98
104)	Hexachlorobutadiene	22.66	225	1342598	64.58	PPB		99
105)	Naphthalene	22.91	128	3541557	71.70	PPB		99
106)	1,2,3-Trichlorobenzene	23.24	180	1903289	66.85	PPB		97

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

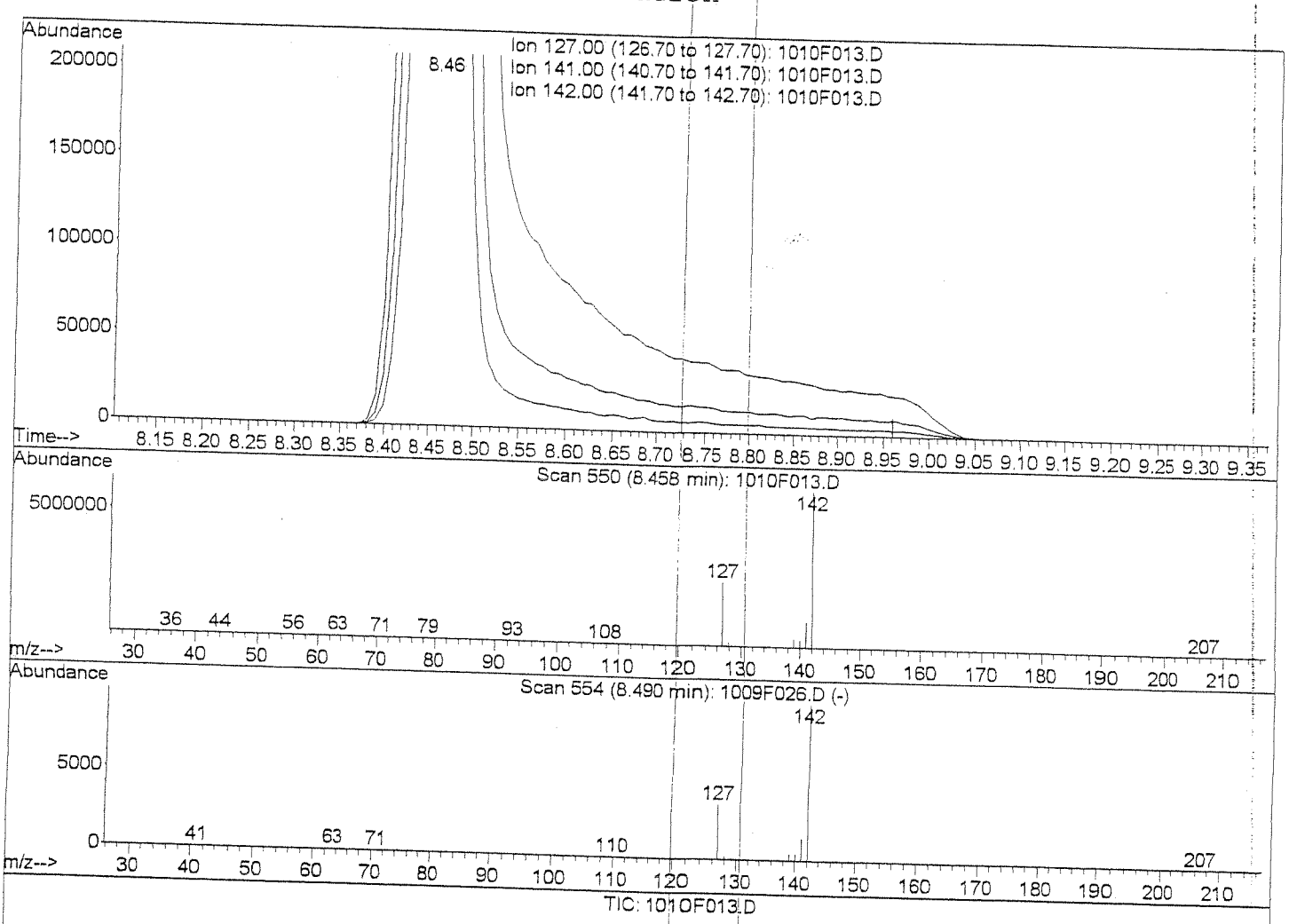
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\101007\1010F013.D
Acq On : 10 Oct 2007 4:35 pm
Sample : 8260 ICAL 60PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 17:06 2007

Vial: 13
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:31:21 2007
Response via : Multiple Level Calibration



(13) Iodomethane (T)

8.46min 315.69PPB

response 8061124

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	40.75
142.00	282.80	244.41#
0.00	0.00	0.00

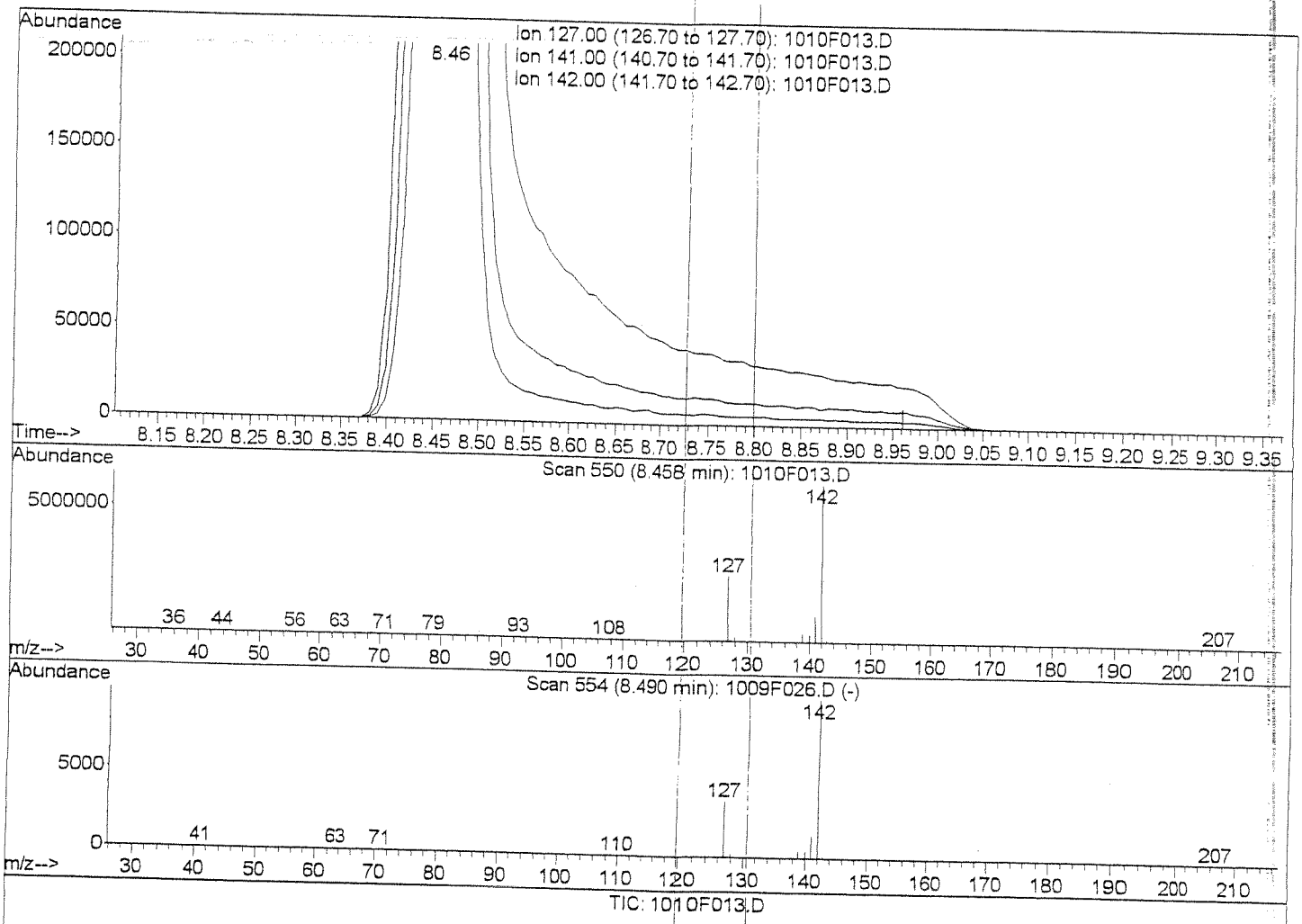
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\101007\1010F013.D
Acq On : 10 Oct 2007 4:35 pm
Sample : 8260 ICAL 60PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 17:07 2007

Vial: 13
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 16:31:21 2007
Response via : Multiple Level Calibration



TIC: 1010F013.D

(13) Iodomethane (T)

8.46min 322.60PPB m

response 8237545

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	40.75
142.00	282.80	244.41#
0.00	0.00	0.00

Peak Tailing
HC 10.10.07
FAH. 10/11/7.

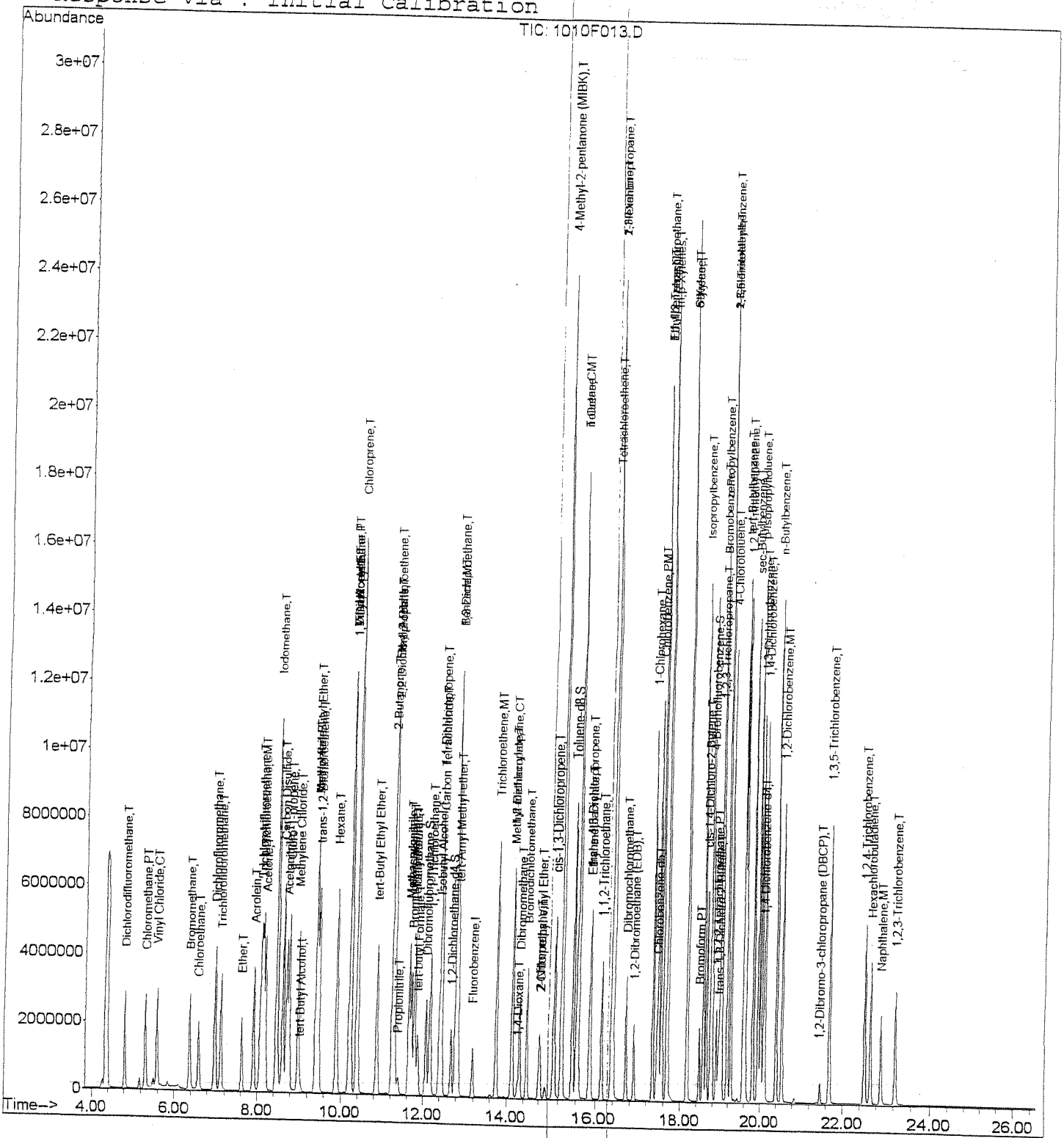
1010F013.D 101007MS04-8260.M Wed Oct 10 17:07:15 2007

Data File : J:\MS04\DATA\101007\1010F013.D
Acq On : 10 Oct 2007 4:35 pm
Sample : 8260 ICAL 60PPB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 10 17:07 2007

Vial: 13
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 17:08:04 2007
Response via : Initial Calibration



1010F013.D 101007MS04-8260.M Wed Oct 10 17:08:21 2007 Page 4

Quantitation Report (QT Reviewed)

Data File : J:\MS04\DATA\101007\1010F017.D
Acq On : 10 Oct 2007 6:43 pm
Sample : 8260 ICAL 2.0PPPB (R)
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 11 07:08:41 2007

Vial: 17
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 17:08:04 2007
Response via : Initial Calibration
DataAcq Meth : 8260

HC 10.11.07
F.A.h. 10/11/7

Internal Standards	R.T.	Qion	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	13.18	96	1790834	10.00	PPB		0.00
63) Chlorobenzene-d5	17.41	117	1246965	10.00	PPB		-0.01
83) 1,4-Dichlorobenzene-d4	20.07	152	594423	10.00	PPB		0.00
System Monitoring Compounds							
41) Dibromofluoromethane	12.06	113	355532	7.70	PPB		0.00
Spiked Amount 10.000			Recovery =	77.00%			
47) 1,2-Dichloroethane-d4	12.66	65	231572	7.26	PPB		0.00
Spiked Amount 10.000			Recovery =	72.60%			
61) Toluene-d8	15.51	98	1060205	8.36	PPB		0.00
Spiked Amount 10.000			Recovery =	83.60%			
82) 4-Bromofluorobenzene	18.78	95	375016	7.72	PPB		0.00
Spiked Amount 10.000			Recovery =	77.20%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	4.81	85	57204	1.11	PPB		95
3) Chloromethane	5.30	50	97485	1.41	PPB		100
4) Vinyl Chloride	5.57	62	69269	1.20	PPB		97
5) Bromomethane	6.36	94	55995	1.33	PPB		99
6) Chloroethane	6.58	64	57824	1.34	PPB		98
7) Dichlorofluoromethane	6.96	67	139142	1.36	PPB		98
8) Trichlorofluoromethane	7.10	101	68586	1.07	PPB		100
9) Ether	7.62	59	50894	1.92	PPB		99
10) Trichlorotrifluoroethane	8.07	151	45966	1.11	PPB		93
11) 1,1-Dichloroethene	8.11	96	51749	1.20	PPB		98
12) Acetone	8.17	43	369162	80.56	PPB		96
13) Iodomethane	8.45	127	125968m	5.23	PPB		
14) Carbon Disulfide	8.60	76	226923	1.24	PPB		98
15) Acrolein	7.91	56	140761	39.00	PPB		96
17) 3-Cloro-1-propene	8.75	41	111476m	1.45	PPB		
18) Acetonitrile	8.70	41	210941	79.42	PPB		99
19) Methylene Chloride	8.98	84	113157	1.33	PPB		96
20) tert-Butyl Alcohol	9.04	59	12515	10.63	PPB		79
21) Methyl tert-Butyl Ether	9.40	73	272983	3.88	PPB		100
22) trans-1,2-Dichloroethene	9.46	96	79041	1.40	PPB		92
23) Hexane	9.88	57	82895	1.30	PPB		99
24) 1,1-Dichloroethane	10.21	63	138854	1.54	PPB		99
25) Vinyl Acetate	10.20	86	21773	3.80	PPB	#	93
26) Acrylonitrile	9.40	53	63397	8.06	PPB		94
27) Diisopropyl Ether	10.20	45	251112	1.79	PPB		98
28) Chloroprene	10.38	88	181564	4.78	PPB		99
29) tert-Butyl Ethyl Ether	10.86	59	182102	1.85	PPB		97

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

Quantitation Report (QT Reviewed)

Data File : J:\MS04\DATA\101007\1010F017.D
Acq On : 10 Oct 2007 6:43 pm
Sample : 8260 ICAL 2.0PPPB (R)
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 11 07:08:41 2007

Vial: 17
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 17:08:04 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
30) 2,2-Dichloropropane	11.28	77	78509	1.27 PPB	93
31) Ethyl Acetate	11.26	70	17982	8.04 PPB	90
32) cis-1,2-Dichloroethene	11.26	96	96012	1.66 PPB	99
33) 2-Butanone	11.23	72	145921	83.41 PPB	96
34) Propionitrile	11.38	54	19726	7.90 PPB	92
35) Methacrylonitrile	11.64	67	65930	7.88 PPB	94
36) Bromochloromethane	11.70	128	50773	1.85 PPB	99
37) Chloroform	11.78	83	136100	1.62 PPB	98
38) tert-butyl Formate	11.86	59	30945	1.72 PPB	92
39) Tetrahydrofuran	11.77	42	12610	2.64 PPB	93
40) 1,1,1-Trichloroethane	12.16	97	77573	1.26 PPB	92
43) Isobutyl Alcohol	12.38	43	39194	81.77 PPB	97
44) Carbon Tetrachloride	12.43	117	61045	1.16 PPB	94
45) 1,1-Dichloropropene	12.41	75	79550	1.22 PPB	95
46) tert-Amyl Methyl-ether	12.82	55	36164	1.93 PPB	88
48) Benzene	12.77	78	295911	1.51 PPB	98
49) 1,2-Dichloroethane	12.78	62	78163	1.84 PPB	98
50) Trichloroethene	13.73	95	69392	1.45 PPB	95
52) Methyl methacrylate	14.12	69	23919	1.83 PPB	95
53) 1,2-Dichloropropane	14.11	63	81021	1.72 PPB	98
54) 1,4-Dioxane	14.25	88	9385	70.04 PPB	98
55) Dibromomethane	14.30	93	44160	1.86 PPB	95
56) Bromodichloromethane	14.48	83	91646	1.71 PPB	99
57) 2-Chloroethyl Vinyl Ether	14.82	63	12776	1.55 PPB	92
58) 2-Nitropropane	14.81	41	35186	9.07 PPB	97
59) cis-1,3-Dichloropropene	15.11	75	111781	1.79 PPB	92
60) 4-Methyl-2-pentanone (MIBK	15.27	100	200237	84.61 PPB	98
62) Toluene	15.61	92	178158	1.55 PPB	97
64) Ethyl methacrylate	15.89	69	48363	1.83 PPB	99
65) n-Octane	15.62	85	40068	1.32 PPB	97
66) trans-1,3-Dichloropropene	15.86	75	81541	1.83 PPB	97
67) 1,1,2-Trichloroethane	16.14	83	44590	1.89 PPB	97
68) Tetrachloroethene	16.36	164	58999	1.33 PPB	97
69) 2-Hexanone	16.39	57	134218	84.90 PPB	97
70) 1,3-Dichloropropane	16.38	76	95981	1.90 PPB	99
71) Dibromochloromethane	16.70	129	68246	1.82 PPB	99
72) 1,2-Dibromoethane (EDB)	16.89	107	55605	1.88 PPB	99
73) 1-Chlorohexane	17.34	55	52203	1.33 PPB	97
74) Chlorobenzene	17.47	112	223605	1.69 PPB	97
75) Ethylbenzene	17.55	106	97769	1.50 PPB	98
76) 1,1,1,2-Tetrachloroethane	17.54	131	73820	1.72 PPB	98

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

Quantitation Report (QT Reviewed)

Data File : J:\MS04\DATA\101007\1010F017.D
Acq On : 10 Oct 2007 6:43 pm
Sample : 8260 ICAL 2.0PPPB (R)
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 11 07:08:41 2007

Vial: 17
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 17:08:04 2007
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77)	m,p-Xylenes	17.68	106	253108	3.07	PPB	100
78)	o-Xylene	18.17	106	126782	1.67	PPB	100
79)	Styrene	18.18	104	206642	1.67	PPB	98
80)	Bromoform	18.47	173	34490	1.84	PPB	96
81)	Isopropylbenzene	18.57	105	280983	1.45	PPB	100
84)	cis-1,4-Dichloro-2-Butene	18.64	88	34660	6.86	PPB	92
85)	1,1,2,2-Tetrachloroethane	18.89	83	53386	1.97	PPB	98
86)	Bromobenzene	18.99	156	96025	1.83	PPB	93
87)	n-Propylbenzene	19.02	91	335002	1.46	PPB	99
88)	trans-1,3-Dichloro-2-Buten	18.95	53	9347	1.84	PPB	93
89)	1,2,3-Trichloropropane	18.97	110	14195	1.90	PPB	96
90)	2-Chlorotoluene	19.17	91	240523	1.62	PPB	98
91)	1,3,5-Trimethylbenzene	19.19	105	230975	1.53	PPB	100
92)	4-Chlorotoluene	19.28	91	226272	1.65	PPB	97
93)	tert-Butylbenzene	19.57	134	54347	1.46	PPB	96
94)	1,2,4-Trimethylbenzene	19.62	105	239021	1.63	PPB	99
95)	sec-Butylbenzene	19.81	105	268681	1.38	PPB	99
96)	p-Isopropyltoluene	19.94	119	240307	1.42	PPB	99
97)	1,3-Dichlorobenzene	20.00	146	172053	1.74	PPB	98
98)	1,4-Dichlorobenzene	20.10	146	181943	1.80	PPB	98
99)	n-Butylbenzene	20.40	91	197430	1.36	PPB	97
100)	1,2-Dichlorobenzene	20.54	146	150629	1.82	PPB	99
101)	1,2-Dibromo-3-chloropropan	21.46	157	7670	1.91	PPB	88
102)	1,3,5-Trichlorobenzene	21.68	180	99415	1.74	PPB	94
103)	1,2,4-Trichlorobenzene	22.50	180	75304	1.88	PPB	98
104)	Hexachlorobutadiene	22.65	225	28471	1.47	PPB	94
105)	Naphthalene	22.91	128	88761	1.89	PPB	99
106)	1,2,3-Trichlorobenzene	23.25	180	52939	1.98	PPB	95

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

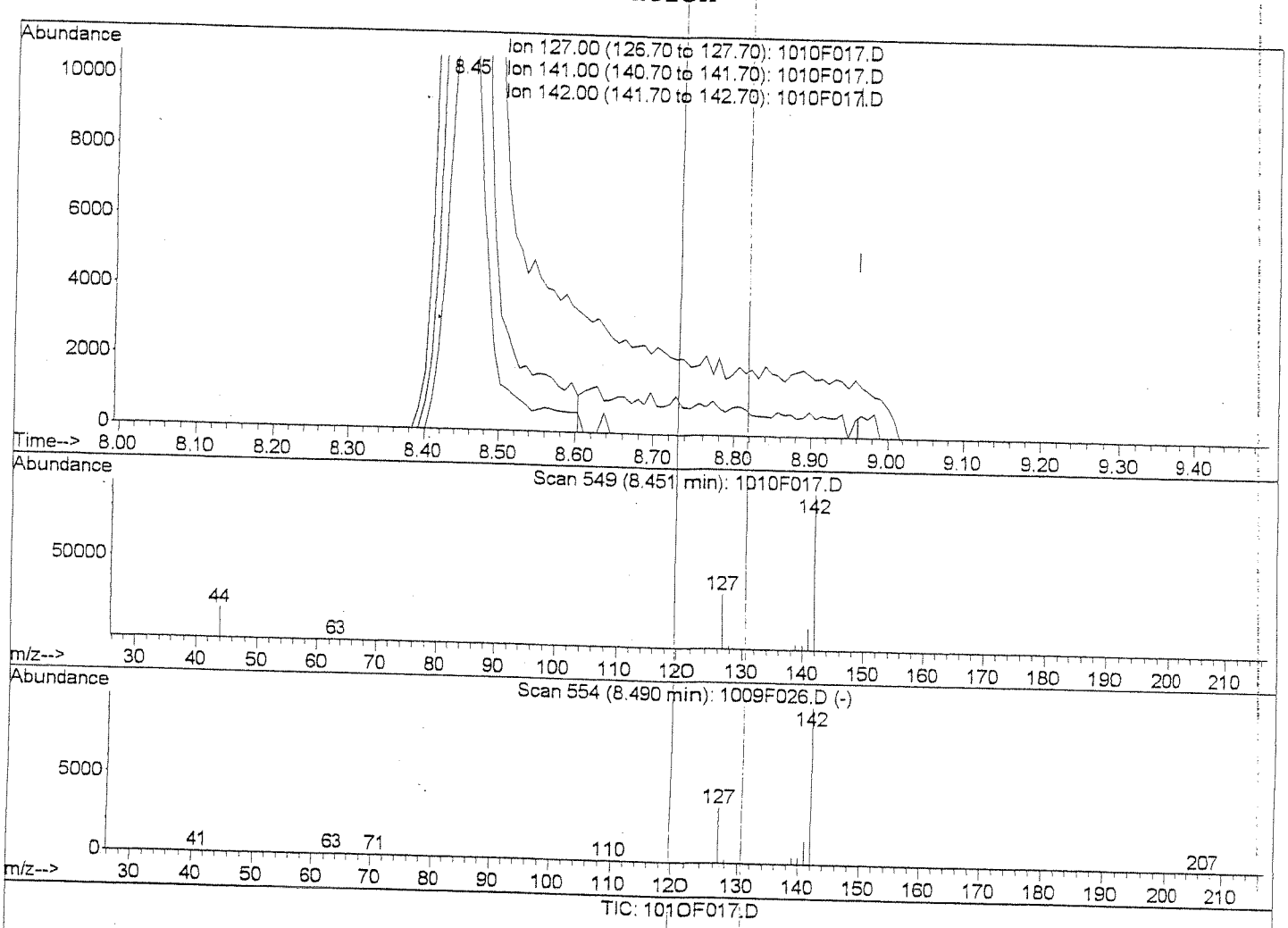
Qualification Report (Qedit)

Data File : J:\MS04\DATA\101007\1010F017.D
Acq On : 10 Oct 2007 6:43 pm
Sample : 8260 ICAL 2.0PPPB (R)
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 11 7:08 2007

Vial: 17
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 17:08:04 2007
Response via : Multiple Level Calibration



TIC: 1010F017.D

(13) Iodomethane (T)

8.45min 4.51PPB

response 108681

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	40.77
142.00	282.80	281.62
0.00	0.00	0.00

1010F017.D 101007MS04-8260.M Thu Oct 11 07:09:18 2007

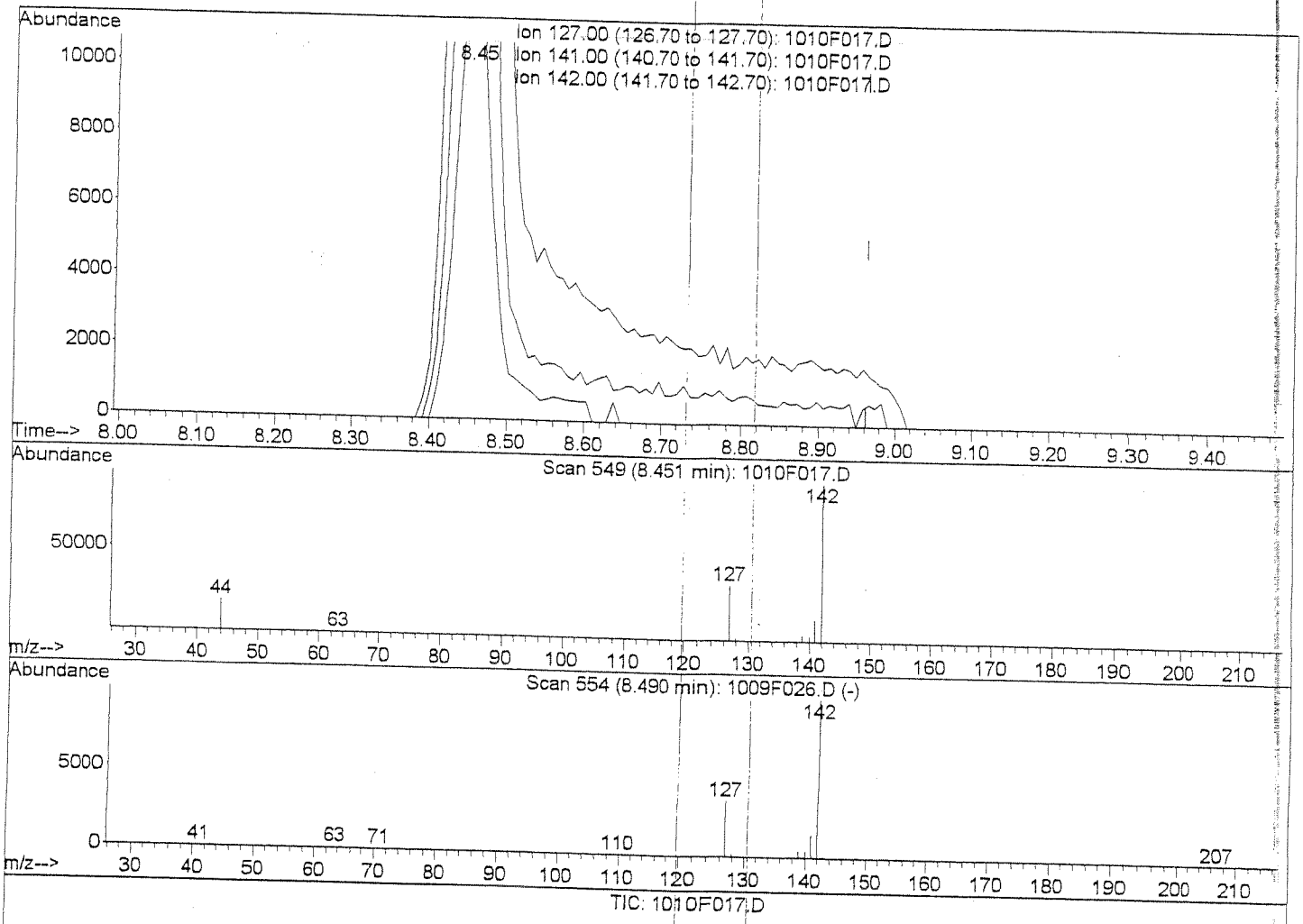
Calibration Report (Qedit)

Data File : J:\MS04\DATA\101007\1010F017.D
Acq On : 10 Oct 2007 6:43 pm
Sample : 8260 ICAL 2.0PPPB (R)
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 11 7:09 2007

Vial: 17
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 17:08:04 2007
Response via : Multiple Level Calibration



(13) Iodomethane (T)

8.45min 5.23PPB m

response 125968

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	40.77
142.00	282.80	281.62
0.00	0.00	0.00

Peak Tailing
HC 10.11.07
F.A.h. 10/11/07.

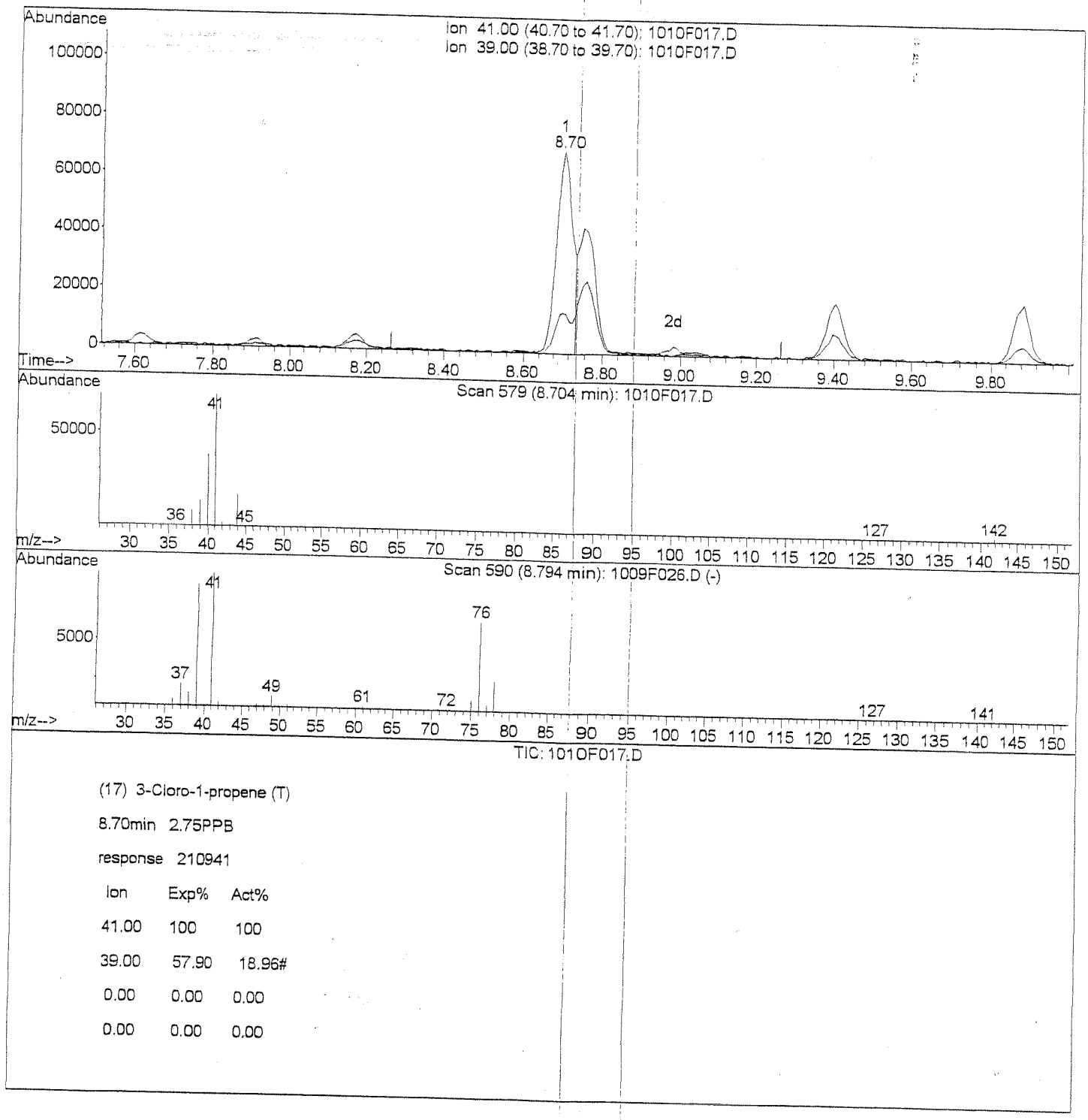
1010F017.D 101007MS04-8260.M Thu Oct 11 07:09:22 2007

Data File : J:\MS04\DATA\101007\1010F017.D
Acq On : 10 Oct 2007 6:43 pm
Sample : 8260 ICAL 2.0PPPB (R)
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 11 7:09 2007

Vial: 17
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 17:08:04 2007
Response via : Multiple Level Calibration



TIC: 1010F017.D

(17) 3-Cloro-1-propene (T)

8.70min 2.75PPB

response 210941

Ion	Exp%	Act%
41.00	100	100
39.00	57.90	18.96#
0.00	0.00	0.00
0.00	0.00	0.00

1010F017.D 101007MS04-8260.M Thu Oct 11 07:09:29 2007

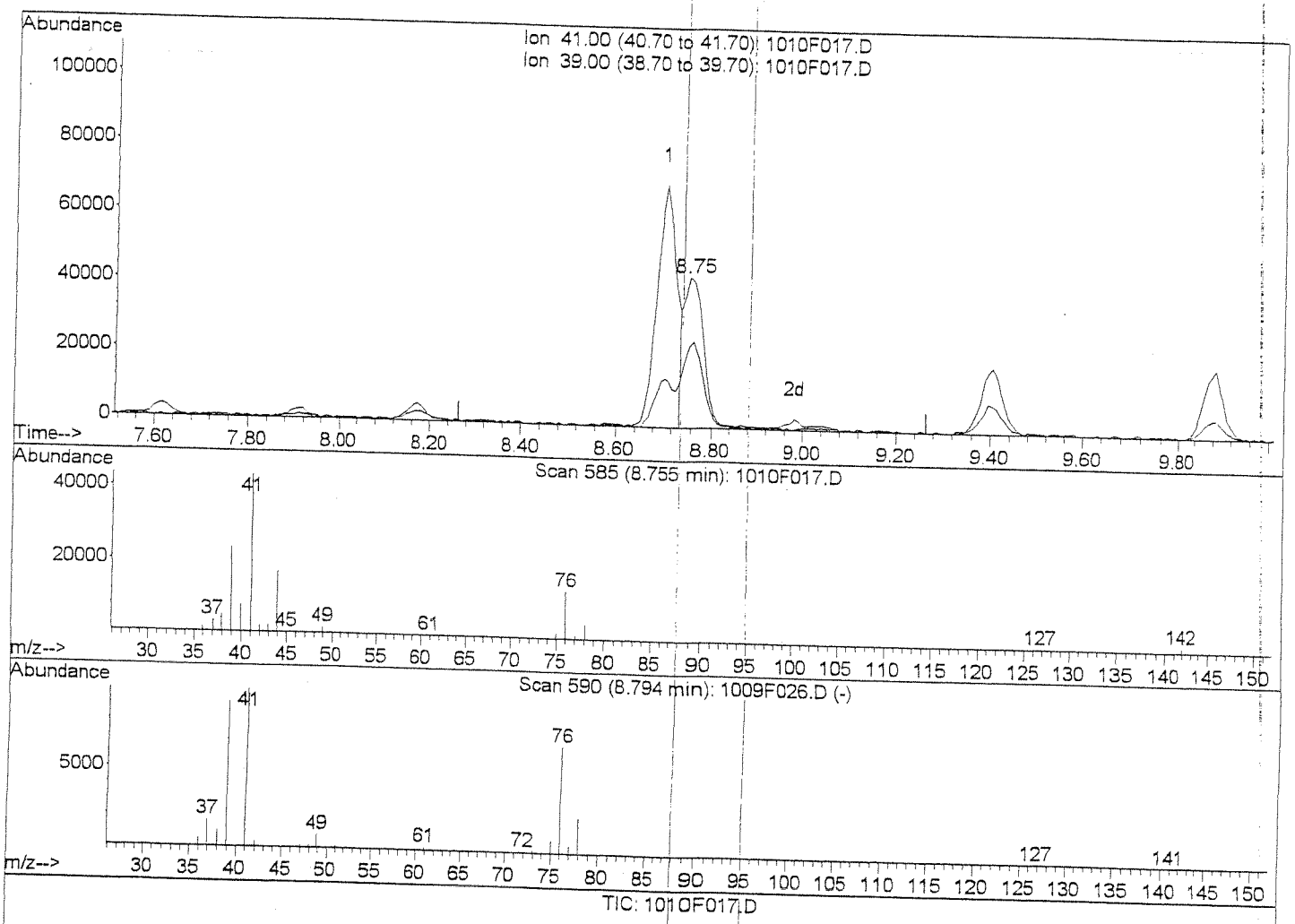
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\101007\1010F017.D
Acq On : 10 Oct 2007 6:43 pm
Sample : 8260 ICAL 2.0PPPB (R)
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 11 7:09 2007

Vial: 17
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Oct 10 17:08:04 2007
Response via : Multiple Level Calibration



TIC: 1010F017.D

(17) 3-Cloro-1-propene (T)

8.75min 1.45PPB m

response 111476

Ion	Exp%	Act%
41.00	100	100
39.00	57.90	54.03
0.00	0.00	0.00
0.00	0.00	0.00

wrong peak
HC 10.11.07
F.A.h. 10/11/7.

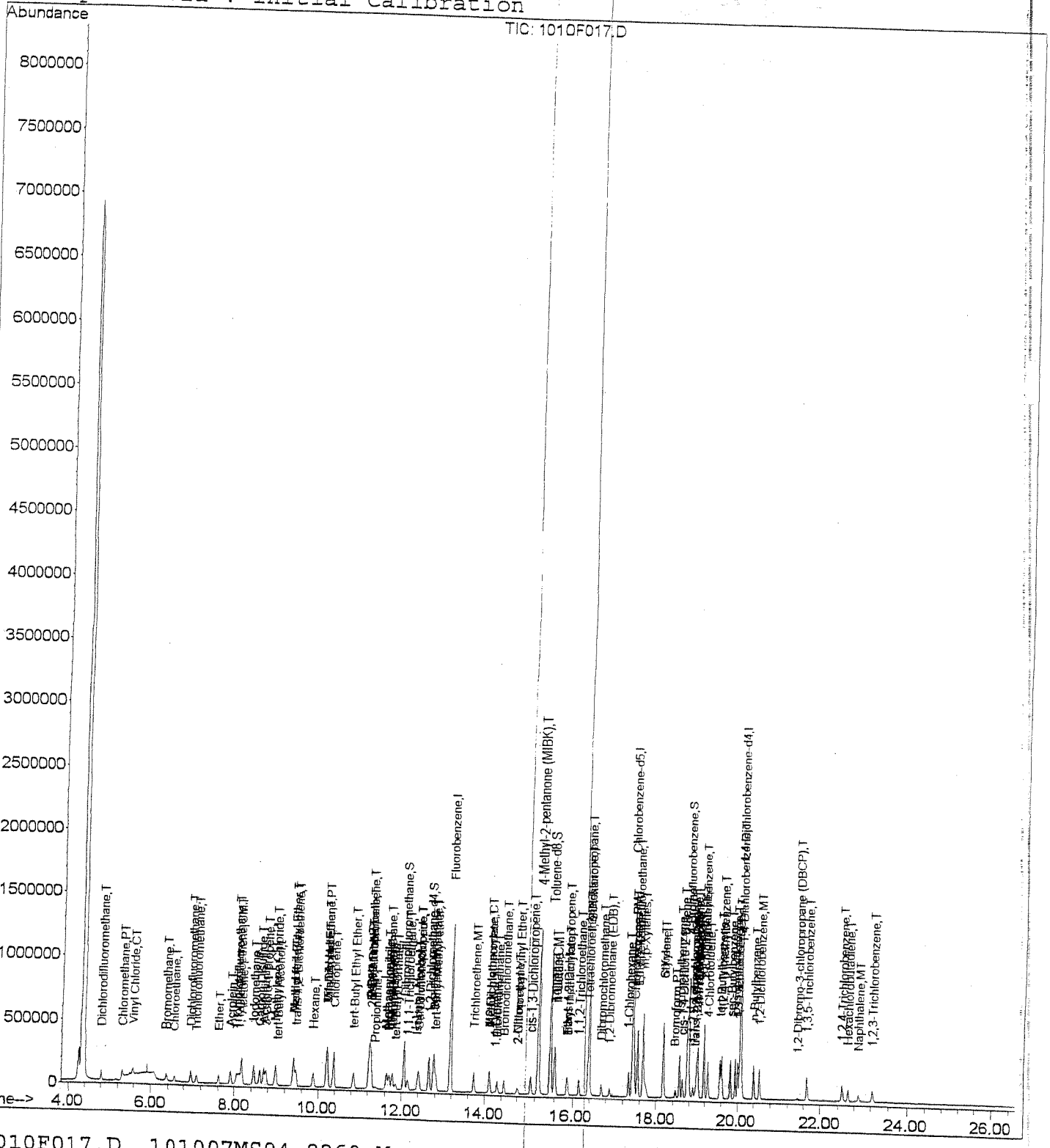
1010F017.D 101007MS04-8260.M Thu Oct 11 07:09:34 2007

Data File : J:\MS04\DATA\101007\1010F017.D
Acq On : 10 Oct 2007 6:43 pm
Sample : 8260 ICAL 2.0PPPB (R)
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 11 7:09 2007

Vial: 17
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Thu Oct 11 07:10:27 2007
Response via : Initial Calibration



1010F017.D 101007MS04-8260.M Thu Oct 11 07:11:03 2007 Page 4

Data File : J:\MS04\DATA\101007\1010F020.D
Acq On : 10 Oct 2007 8:19 pm
Sample : ICV
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 11 08:18:08 2007

Vial: 20
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Thu Oct 11 08:16:11 2007
Response via : Initial Calibration
DataAcq Meth : 8260

HC 10/11/07
FA 10/11/07

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	13.17	96	1815180	10.00	PPB	0.00
63) Chlorobenzene-d5	17.43	117	1272548	10.00	PPB	-0.01
83) 1,4-Dichlorobenzene-d4	20.07	152	613044	10.00	PPB	0.00
System Monitoring Compounds						
41) Dibromofluoromethane	12.05	113	432215	9.07	PPB	-0.01
Spiked Amount 10.000			Recovery =	90.70%		
47) 1,2-Dichloroethane-d4	12.66	65	295305	9.10	PPB	0.00
Spiked Amount 10.000			Recovery =	91.00%		
61) Toluene-d8	15.50	98	1261426	9.38	PPB	-0.01
Spiked Amount 10.000			Recovery =	93.80%		
82) 4-Bromofluorobenzene	18.78	95	467996	9.26	PPB	0.00
Spiked Amount 10.000			Recovery =	92.60%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	4.81	85	426299	7.94	PPB	98
3) Chloromethane	5.29	50	575547	8.24	PPB	100
4) Vinyl Chloride	5.57	62	504322	8.67	PPB	99
5) Bromomethane	6.36	94	363485	8.81	PPB	99
6) Chloroethane	6.57	64	360771	8.30	PPB	99
7) Dichlorofluoromethane	6.95	67	956002	9.42	PPB	99
8) Trichlorofluoromethane	7.10	101	473764	7.30	PPB	99
9) Ether	7.61	59	244090	9.10	PPB	99
10) Trichlorotrifluoroethane	8.06	151	307256	7.35	PPB	99
11) 1,1-Dichloroethene	8.11	96	389430	8.76	PPB	99
12) Acetone	8.17	43	219769	46.69	PPB	99
13) Iodomethane	8.45	127	833670m	30.57	PPB	
14) Carbon Disulfide	8.60	76	2790951	15.12	PPB	100
15) Acrolein	7.91	56	352381	96.02	PPB	99
17) 3-Cloro-1-propene	8.76	41	2293307	29.43	PPB	99
18) Acetonitrile	8.70	41	748260	277.03	PPB	99
19) Methylene Chloride	8.98	84	520314	8.20	PPB	98
20) tert-Butyl Alcohol	9.04	59	112020	92.49	PPB	100
21) Methyl tert-Butyl Ether	9.40	73	656424	9.20	PPB	98
22) trans-1,2-Dichloroethene	9.46	96	460875	8.08	PPB	99
23) Hexane	9.87	57	2000074	30.79	PPB	99
24) 1,1-Dichloroethane	10.21	63	746852	8.20	PPB	99
25) Vinyl Acetate	10.20	86	252585	43.30	PPB #	85
26) Acrylonitrile	9.40	53	316833	39.23	PPB	97
27) Diisopropyl Ether	10.20	45	2599403	18.21	PPB	99
28) Chloroprene	10.37	88	1421144	36.27	PPB	98
29) tert-Butyl Ethyl Ether	10.85	59	1838218	18.46	PPB	98

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

Data File : J:\MS04\DATA\101007\1010F020.D
Acq On : 10 Oct 2007 8:19 pm
Sample : ICV
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 11 08:18:08 2007

Vial: 20
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Thu Oct 11 08:16:11 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
30) 2,2-Dichloropropane	11.28	77	489434	7.92	PPB		99
31) Ethyl Acetate	11.25	70	69115	30.36	PPB		98
32) cis-1,2-Dichloroethene	11.26	96	513069	8.76	PPB		100
33) 2-Butanone	11.22	72	96945	53.78	PPB	#	56
34) Propionitrile	11.37	54	76864	30.22	PPB		98
35) Methacrylonitrile	11.64	67	270915	31.86	PPB		98
36) Bromochloromethane	11.70	128	242441	8.78	PPB		95
37) Chloroform	11.77	83	689347	8.13	PPB		99
38) tert-butyl Formate	11.86	59	342671	18.84	PPB		99
39) Tetrahydrofuran	11.77	42	98324	21.75	PPB		87
40) 1,1,1-Trichloroethane	12.15	97	491477	7.91	PPB		99
43) Isobutyl Alcohol	12.37	43	153870	313.04	PPB		99
44) Carbon Tetrachloride	12.43	117	420299	7.92	PPB		99
45) 1,1-Dichloropropene	12.41	75	515672	7.83	PPB		98
46) tert-Amyl Methyl-ether	12.82	55	344663	18.16	PPB		95
48) Benzene	12.77	78	1630376	8.24	PPB		99
49) 1,2-Dichloroethane	12.78	62	370319	8.65	PPB		97
50) Trichloroethene	13.73	95	404410	8.14	PPB		97
52) Methyl methacrylate	14.12	69	444534	33.54	PPB	#	78
53) 1,2-Dichloropropane	14.10	63	401334	8.45	PPB	#	67
54) 1,4-Dioxane	14.25	88	47093	348.38	PPB		93
55) Dibromomethane	14.30	93	216296	9.00	PPB		98
56) Bromodichloromethane	14.47	83	475276	8.81	PPB		99
57) 2-Chloroethyl Vinyl Ether	14.82	63	69771	8.75	PPB		99
58) 2-Nitropropane	14.79	41	117672	29.84	PPB		97
59) cis-1,3-Dichloropropene	15.11	75	568485	9.00	PPB		97
60) 4-Methyl-2-pentanone (MIBK	15.27	100	124130	50.96	PPB		97
62) Toluene	15.61	92	974146	8.20	PPB		98
64) Ethyl methacrylate	15.88	69	975446	36.01	PPB		98
65) n-Octane	15.62	85	603567	19.62	PPB		99
66) trans-1,3-Dichloropropene	15.86	75	401888	8.86	PPB		84
67) 1,1,2-Trichloroethane	16.14	83	222777	9.28	PPB		98
68) Tetrachloroethene	16.36	164	353781	7.80	PPB		98
69) 2-Hexanone	16.39	57	86079	52.51	PPB		96
70) 1,3-Dichloropropane	16.37	76	469931	9.12	PPB		99
71) Dibromochloromethane	16.69	129	347955	9.13	PPB		100
72) 1,2-Dibromoethane (EDB)	16.89	107	275667	9.12	PPB		98
73) 1-Chlorohexane	17.34	55	335015	8.33	PPB		98
74) Chlorobenzene	17.47	112	1131832	8.41	PPB		99
75) Ethylbenzene	17.55	106	553993	8.35	PPB		97
76) 1,1,1,2-Tetrachloroethane	17.54	131	376219	8.63	PPB		99

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

Data File : J:\MS04\DATA\101007\1010F020.D
Acq On : 10 Oct 2007 8:19 pm
Sample : ICV
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 11 08:18:08 2007

Vial: 20
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Thu Oct 11 08:16:11 2007
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77) m,p-Xylenes	17.68	106	1425382	16.93	PPB	99
78) o-Xylene	18.17	106	689017	8.87	PPB	99
79) Styrene	18.18	104	1156564	9.16	PPB	98
80) Bromoform	18.47	173	182442	9.54	PPB	99
81) Isopropylbenzene	18.57	105	1518867	7.53	PPB	100
84) cis-1,4-Dichloro-2-Butene	18.63	88	193357	36.42	PPB	99
85) 1,1,2,2-Tetrachloroethane	18.89	83	265368	9.48	PPB	98
86) Bromobenzene	18.99	156	479077	8.85	PPB	93
87) n-Propylbenzene	19.01	91	2046871	8.66	PPB	99
88) trans-1,3-Dichloro-2-Buten	18.94	53	197326	37.89	PPB	94
89) 1,2,3-Trichloropropane	18.97	110	75137	9.79	PPB	88
90) 2-Chlorotoluene	19.17	91	1319054	8.60	PPB	100
91) 1,3,5-Trimethylbenzene	19.18	105	1337886	8.41	PPB	100
92) 4-Chlorotoluene	19.28	91	1202751	8.51	PPB	97
93) tert-Butylbenzene	19.57	134	332860	8.51	PPB	99
94) 1,2,4-Trimethylbenzene	19.61	105	1364661	8.80	PPB	99
95) sec-Butylbenzene	19.81	105	1843541	9.05	PPB	99
96) p-Isopropyltoluene	19.93	119	1480083	8.31	PPB	99
97) 1,3-Dichlorobenzene	20.00	146	884056	8.69	PPB	99
98) 1,4-Dichlorobenzene	20.09	146	892939	8.51	PPB	99
99) n-Butylbenzene	20.40	91	1312809	8.64	PPB	99
100) 1,2-Dichlorobenzene	20.54	146	758688	8.90	PPB	98
101) 1,2-Dibromo-3-chloropropan	21.45	157	40745	9.84	PPB	93
102) 1,3,5-Trichlorobenzene	21.68	180	2514775	42.70	PPB	99
103) 1,2,4-Trichlorobenzene	22.50	180	396864	9.57	PPB	98
104) Hexachlorobutadiene	22.65	225	184294	9.27	PPB	99
105) Naphthalene	22.90	128	485447	9.98	PPB	99
106) 1,2,3-Trichlorobenzene	23.23	180	277162	10.00	PPB	98

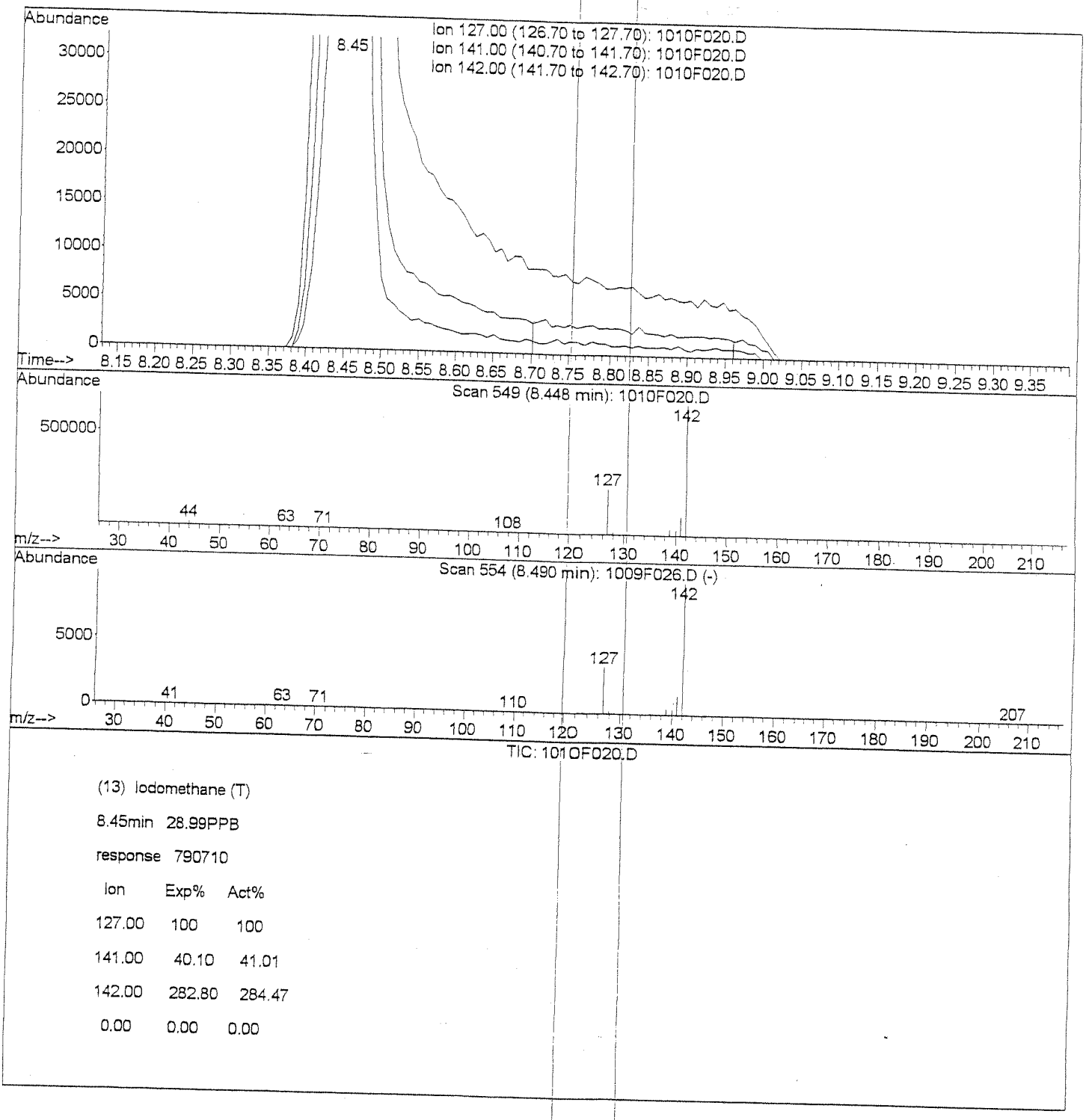
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS04\DATA\101007\1010F020.D
Acq On : 10 Oct 2007 8:19 pm
Sample : ICV
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 11 8:18 2007

Vial: 20
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Thu Oct 11 08:16:11 2007
Response via : Single Level Calibration



(13) Iodomethane (T)

8.45min 28.99PPB

response 790710

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	41.01
142.00	282.80	284.47
0.00	0.00	0.00

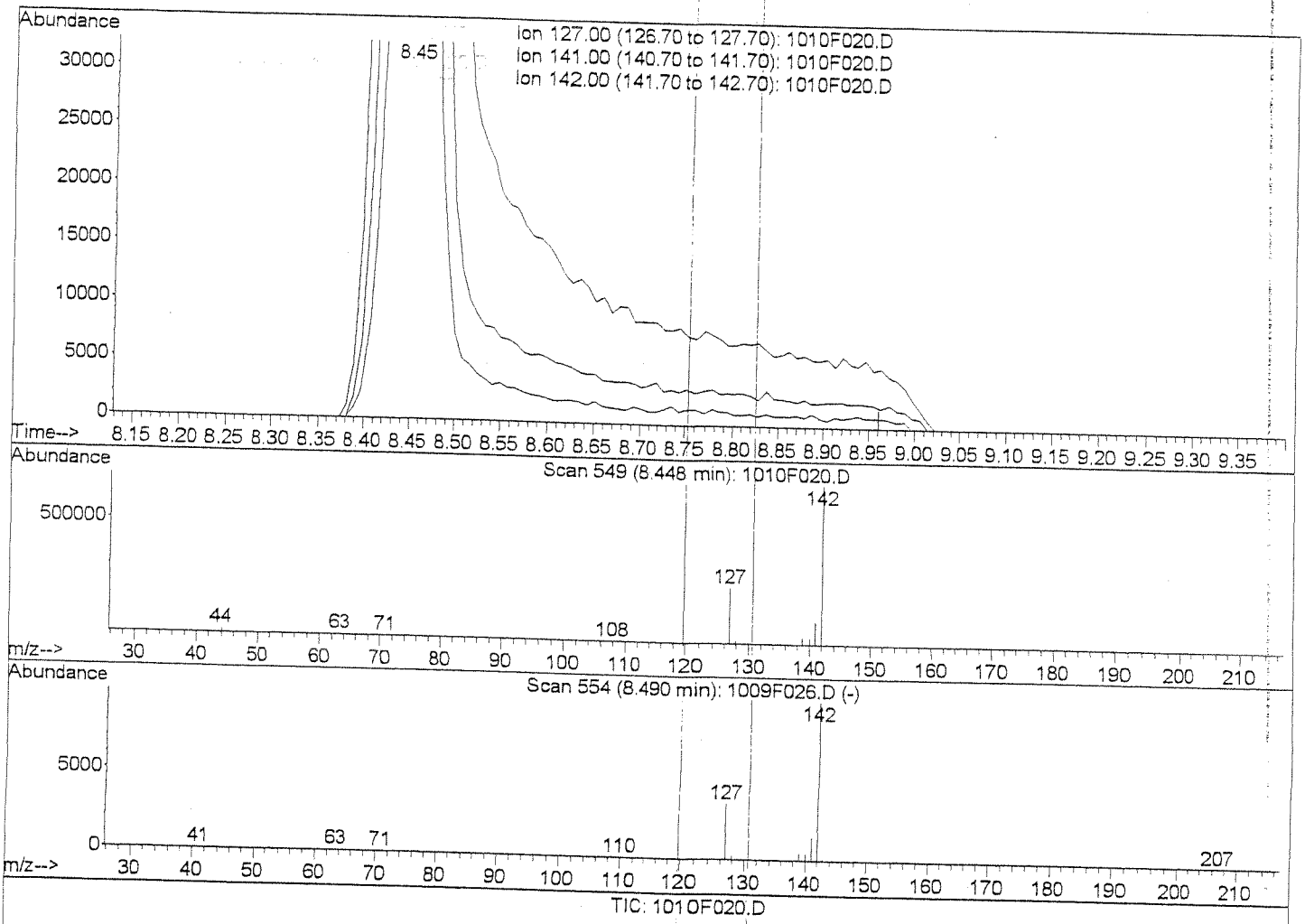
1010F020.D 101007MS04-8260.M Thu Oct 11 08:19:27 2007

Data File : J:\MS04\DATA\101007\1010F020.D
Acq On : 10 Oct 2007 8:19 pm
Sample : ICV
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 11 8:19 2007

Vial: 20
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Thu Oct 11 08:16:11 2007
Response via : Single Level Calibration



TIC: 1010F020.D

(13) Iodomethane (T)

8.45min 30.57PPB m

response 833670

Ion	Exp%	Act%
127.00	100	100
141.00	40.10	41.01
142.00	282.80	284.47
0.00	0.00	0.00

Peak Tailing
HC 10-11-07
F.A.h. 10/11/7.

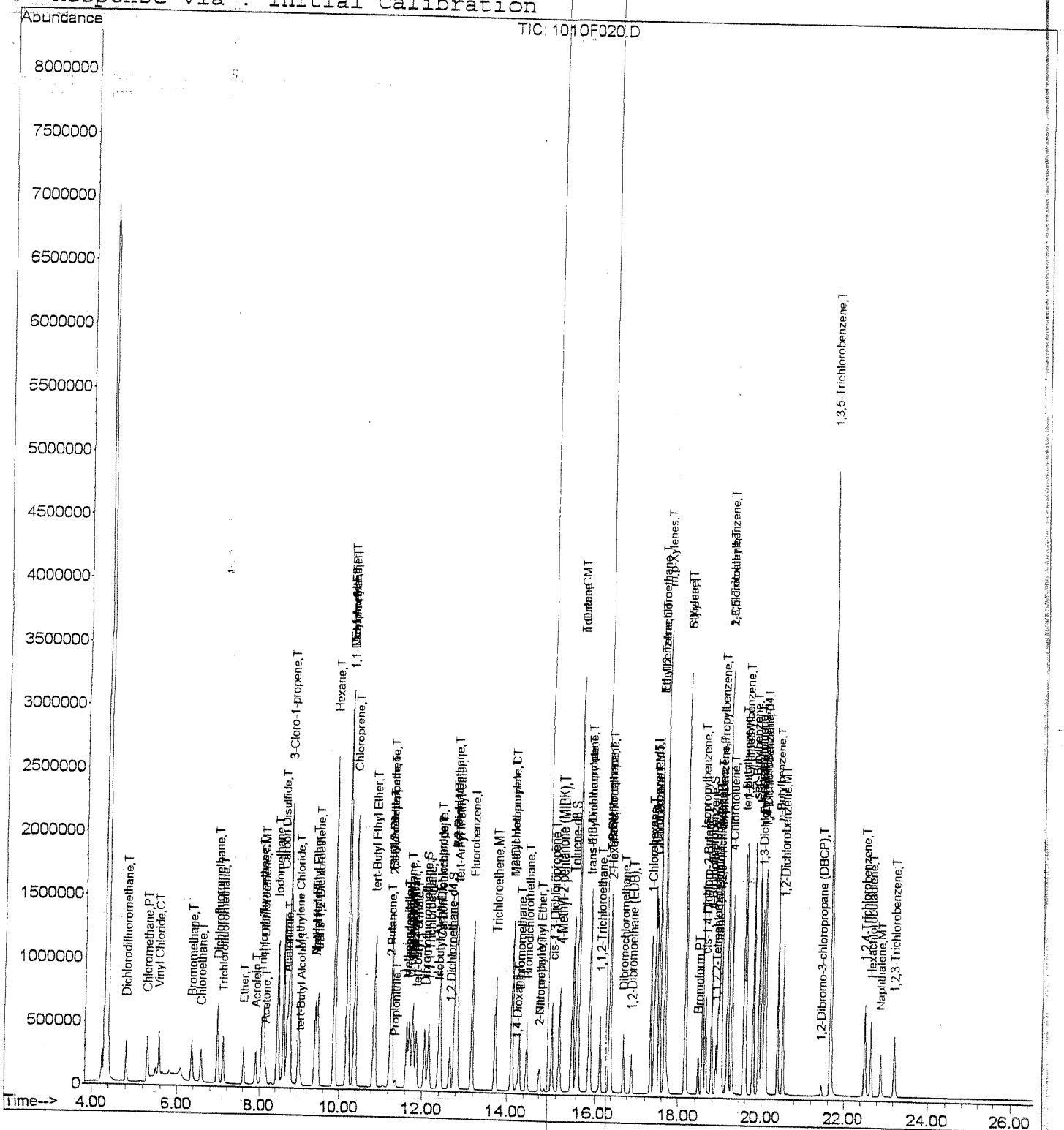
1010F020.D 101007MS04-8260.M Thu Oct 11 08:19:31 2007

Data File : J:\MS04\DATA\101007\1010F020.D
Acq On : 10 Oct 2007 8:19 pm
Sample : ICV
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 11 8:21 2007

Vial: 20
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Thu Oct 11 08:16:11 2007
Response via : Initial Calibration



1010F020.D 101007MS04-8260.M Thu Oct 11 08:41:57 2007 Page 4

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
Date Analyzed: 04/11/2008

Continuing Calibration Verification Summary
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration Date: 10/10/2007
Calibration ID: CAL6696
Analysis Lot: KWG0803340
Units: PPB

File ID: J:\MS04\DATA\041108\0411F003.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Dichlorodifluoromethane	10	8.1	0.01	0.296	0.241	-19	NA	± 40 %	AverageRF
† Chloromethane	10	8.0	0.10	0.385	0.306	-20	NA	± 40 %	AverageRF
‡ Vinyl Chloride	10	8.3	0.01	0.321	0.266	-17	NA	± 20 %	AverageRF
Bromomethane	10	8.8	0.01	0.227	0.199	-12	NA	± 40 %	AverageRF
Chloroethane	10	8.3	0.01	0.239	0.198	-17	NA	± 40 %	AverageRF
Trichlorofluoromethane	10	11	0.01	0.357	0.387	8	NA	± 30 %	AverageRF
Acetone	200	230	0.01	0.0259	0.0298	15	NA	± 30 %	AverageRF
‡ 1,1-Dichloroethene	10	9.2	0.01	0.245	0.226	-8	NA	± 20 %	AverageRF
Carbon Disulfide	10	8.8	0.01	1.02	0.899	-12	NA	± 30 %	AverageRF
Methylene Chloride	10	8.4	0.01	0.350	0.294	-16	NA	± 30 %	AverageRF
trans-1,2-Dichloroethene	10	9.2	0.01	0.314	0.290	-8	NA	± 30 %	AverageRF
† 1,1-Dichloroethane	10	9.6	0.10	0.502	0.479	-4	NA	± 30 %	AverageRF
2-Butanone (MEK)	200	210	0.01	0.00993	0.0105	6	NA	± 30 %	AverageRF
2,2-Dichloropropane	10	11	0.01	0.341	0.369	8	NA	± 30 %	AverageRF
cis-1,2-Dichloroethene	10	10	0.01	0.323	0.322	0	NA	± 30 %	AverageRF
‡ Chloroform	10	11	0.01	0.467	0.493	5	NA	± 20 %	AverageRF
Bromochloromethane	10	10	0.01	0.152	0.158	4	NA	± 30 %	AverageRF
1,1,1-Trichloroethane (TCA)	10	11	0.01	0.342	0.366	7	NA	± 30 %	AverageRF
1,1-Dichloropropene	10	9.6	0.01	0.363	0.348	-4	NA	± 30 %	AverageRF
Carbon Tetrachloride	10	11	0.01	0.292	0.307	5	NA	± 30 %	AverageRF
1,2-Dichloroethane (EDC)	10	13	0.01	0.236	0.304	29	NA	± 30 %	AverageRF
Benzene	10	9.4	0.01	1.09	1.03	-6	NA	± 30 %	AverageRF
Trichloroethene (TCE)	10	9.8	0.01	0.274	0.267	-2	NA	± 30 %	AverageRF
‡ 1,2-Dichloropropane	10	9.4	0.01	0.262	0.247	-6	NA	± 20 %	AverageRF
Bromodichloromethane	10	12	0.01	0.297	0.343	15	NA	± 30 %	AverageRF
Dibromomethane	10	11	0.01	0.132	0.143	8	NA	± 30 %	AverageRF
2-Hexanone	200	220	0.01	0.0129	0.0142	10	NA	± 30 %	AverageRF
cis-1,3-Dichloropropene	10	11	0.01	0.348	0.391	12	NA	± 30 %	AverageRF
‡ Toluene	10	10	0.01	0.655	0.658	0	NA	± 20 %	AverageRF
trans-1,3-Dichloropropene	10	11	0.01	0.356	0.398	12	NA	± 30 %	AverageRF
1,1,2-Trichloroethane	10	9.7	0.01	0.189	0.184	-3	NA	± 30 %	AverageRF
4-Methyl-2-pentanone (MIBK)	200	230	0.01	0.0134	0.0153	14	NA	± 30 %	AverageRF
1,3-Dichloropropane	10	9.8	0.01	0.405	0.395	-2	NA	± 30 %	AverageRF
Tetrachloroethene (PCE)	10	9.4	0.01	0.356	0.334	-6	NA	± 30 %	AverageRF
Dibromochloromethane	10	10	0.01	0.299	0.310	3	NA	± 30 %	AverageRF
1,2-Dibromoethane (EDB)	10	10	0.01	0.237	0.245	3	NA	± 30 %	AverageRF
† Chlorobenzene	10	9.4	0.30	1.06	0.992	-6	NA	± 30 %	AverageRF
1,1,1,2-Tetrachloroethane	10	10	0.01	0.343	0.347	1	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: K0802796
Date Analyzed: 04/11/2008

Continuing Calibration Verification Summary
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration Date: 10/10/2007
Calibration ID: CAL6696
Analysis Lot: KWG0803340
Units: PPB

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
‡ Ethylbenzene	10	9.3	0.01	0.521	0.485	-7	NA	± 20 %	AverageRF
m,p-Xylenes	20	19	0.01	0.662	0.623	-6	NA	± 30 %	AverageRF
o-Xylene	10	10	0.01	0.611	0.613	0	NA	± 30 %	AverageRF
Styrene	10	10	0.01	0.993	1.03	3	NA	± 30 %	AverageRF
† Bromoform	10	12	0.10	0.150	0.177	18	NA	± 30 %	AverageRF
Isopropylbenzene	10	9.4	0.01	1.59	1.49	-6	NA	± 30 %	AverageRF
† 1,1,2,2-Tetrachloroethane	10	8.4	0.30	0.457	0.384	-16	NA	± 30 %	AverageRF
1,2,3-Trichloropropane	10	9.2	0.01	0.125	0.115	-8	NA	± 30 %	AverageRF
Bromobenzene	10	9.8	0.01	0.883	0.864	-2	NA	± 30 %	AverageRF
n-Propylbenzene	10	8.5	0.01	3.86	3.29	-15	NA	± 30 %	AverageRF
2-Chlorotoluene	10	8.8	0.01	2.50	2.21	-12	NA	± 30 %	AverageRF
4-Chlorotoluene	10	8.9	0.01	2.31	2.04	-11	NA	± 30 %	AverageRF
1,3,5-Trimethylbenzene	10	8.9	0.01	2.60	2.30	-12	NA	± 30 %	AverageRF
tert-Butylbenzene	10	8.5	0.01	0.638	0.540	-15	NA	± 30 %	AverageRF
1,2,4-Trimethylbenzene	10	9.2	0.01	2.53	2.34	-8	NA	± 30 %	AverageRF
sec-Butylbenzene	10	8.9	0.01	3.32	2.95	-11	NA	± 30 %	AverageRF
1,3-Dichlorobenzene	10	9.3	0.01	1.66	1.55	-7	NA	± 30 %	AverageRF
4-Isopropyltoluene	10	8.8	0.01	2.90	2.56	-12	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	10	9.2	0.01	1.71	1.57	-8	NA	± 30 %	AverageRF
n-Butylbenzene	10	8.7	0.01	2.48	2.15	-13	NA	± 30 %	AverageRF
1,2-Dichlorobenzene	10	9.5	0.01	1.39	1.32	-5	NA	± 30 %	AverageRF
1,2-Dibromo-3-chloropropane	10	10	0.01	0.0675	0.0695	3	NA	± 30 %	AverageRF
1,2,4-Trichlorobenzene	10	9.8	0.01	0.676	0.660	-2	NA	± 30 %	AverageRF
1,2,3-Trichlorobenzene	10	9.5	0.01	0.452	0.429	-5	NA	± 30 %	AverageRF
Naphthalene	10	9.0	0.01	0.793	0.714	-10	NA	± 30 %	AverageRF
Hexachlorobutadiene	10	8.9	0.01	0.324	0.290	-11	NA	± 30 %	AverageRF
1,3,5-Trichlorobenzene	10	10	0.01	0.961	0.981	2	NA	± 30 %	AverageRF
Dibromofluoromethane	10	11	0.01	0.262	0.287	9	NA	± 30 %	AverageRF
Toluene-d8	10	12	0.01	0.733	0.922	NA	21	± 30 %	Linear
4-Bromofluorobenzene	10	11	0.01	0.397	0.447	13	NA	± 30 %	AverageRF

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

† SPCC Compound **‡ CCC Compound**

Exception Report

Data File: J:\MS04\DATA\041108\0411F003.D
Lab ID: KWG0803340-2
RunType: CCV
Matrix: WATER

Date Acquired: 04/11/2008 10:05
Date Quantitated: 04/11/2008 10:36
Batch ID: KWG0803340
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	0.0007	0.01	NA	NT
	tert-Butyl Alcohol	0.0067	0.01	NA	1
	Isobutyl Alcohol	0.0027	0.01	NA	1
	2-Butanone (MEK)	0.0099	0.01	NA	MRL check

HL 4.11.08
Primary Review: M HL 4.11.08
Secondary Review: E-A-h. 4/14/8

Printed: 04/11/2008 10:41:39
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8260B	**Collect Date:**		**Receive Date:**	04/11/2008

Analysis Lot:	KWG0803340	**Prep Lot:**		**Report Group:**	
Analysis Method:	8260B	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS04\METHODS\101007MS04-8	**Calibration ID:**	CAL6696
Title:			
Tune Ref:	J:\MS04\DATA\041108\0411F002.D	**Method ID:**	MJ119
MB Ref:		**Quant based on Method**	

Data File:	J:\MS04\DATA\041108\0411F003.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 10:05	**Quant Date:**	04/11/2008 10:36	**Vial:**	3
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG0803340-2			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	13.12	-0.06	96	1919856	10.00	OK
2	Chlorobenzene-d5	17.39	-0.05	117	1487735	10.00	OK
3	1,4-Dichlorobenzene-d4	20.03	-0.04	152	817586	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	11.99			113	551560	10.95		75-120	NA
1	1,2-Dichloroethane-d4	12.59			65	414368	12.07		62-121	NA
1	Toluene-d8	15.45			98	1769852	12.13		80-128	NA
2	4-Bromofluorobenzene	18.74			95	665549	11.26		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	4.77			85	462089	8.14			
1	Chloromethane	5.25			50	587610	7.95			
1	Vinyl Chloride	5.52			62	510499	8.29			
1	Bromomethane	6.31			94	382851	8.77			
1	Chloroethane	6.52			64	380980	8.29			
1	Dichlorofluoromethane (CFC 21	6.90			67	1021983	9.52			
1	Trichlorofluoromethane	7.04			101	742027	10.81			
1	Ethyl Ether	7.56			59	286901	10.11			
1	Trichlorotrifluoroethane	8.01			151	421205	9.52			
1	1,1-Dichloroethene	8.06			96	433525	9.22			
1	Acetone	8.11			43	1142791	229.54			
1	Iodomethane	8.39			127	975406m	33.82			
1	Carbon Disulfide	8.54			76	1725927	8.84			
1	Acrolein	7.85			56	860153	221.61			

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:\MS04\DATA\041108\0411F003.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 10:05	**Quant Date:**	04/11/2008 10:36	**Vial:**	3
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG0803340-2			**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	8.69			41	601835	7.30			
1	Acetonitrile	8.64			41	1056732	369.91			
1	Methylene Chloride	8.92			84	564567	8.41			
1	tert-Butyl Alcohol	8.98			59	59335	46.32			
1	Methyl tert-Butyl Ether	9.34			73	1703655	22.57			
1	trans-1,2-Dichloroethene	9.40			96	557014	9.23			
1	n-Hexane	9.82			57	572479	8.33			
1	1,1-Dichloroethane	10.15			63	919777	9.55			
1	Vinyl Acetate	10.14			86	119897	19.43			
1	Acrylonitrile	9.34			53	336861	39.43			
1	Diisopropyl Ether	10.14			45	1484065	9.83			
1	Chloroprene	10.31			88	1785884	43.10			
1	tert-Butyl Ethyl Ether	10.80			59	1193760	11.34			
1	2,2-Dichloropropane	11.22			77	708685	10.84			
1	Ethyl Acetate	11.19			70	91441	37.97			
1	cis-1,2-Dichloroethene	11.19			96	618617	9.99			
1	2-Butanone (MEK)	11.16			72	404182	211.98			
1	Propionitrile	11.31			54	107917	40.12			
1	Methacrylonitrile	11.57			67	376194	41.82			
1	Bromochloromethane	11.64			128	303150	10.38			
1	Chloroform	11.71			83	946173	10.55			
1	tert-Butyl Formate	11.80			59	194022	10.08			
1	Tetrahydrofuran	11.71			42	145074	30.35			
1	1,1,1-Trichloroethane (TCA)	12.09			97	703623	10.71			
1	Isobutyl Alcohol	12.31			43	222207	427.42			
1	Carbon Tetrachloride	12.37			117	589158	10.50			
1	1,1-Dichloropropene	12.35			75	667331	9.58			
1	tert-Amyl Methyl Ether	12.77			55	227838	11.35			
1	Benzene	12.71			78	1970352	9.42			
1	1,2-Dichloroethane (EDC)	12.72			62	583117	12.87			
1	Trichloroethene (TCE)	13.68			95	512755	9.76			
1	Methyl Methacrylate	14.07			69	148230	10.57			
1	1,2-Dichloropropane	14.04			63	473628	9.43			
1	1,4-Dioxane	14.19			88	73797	516.16			
1	Dibromomethane	14.24			93	273589	10.76			
1	Bromodichloromethane	14.42			83	658513	11.54			
1	2-Chloroethyl Vinyl Ether	14.77			63	61283	7.26			
1	2-Nitropropane	14.74			41	280123	67.17			
1	cis-1,3-Dichloropropene	15.06			75	750175	11.22			
1	4-Methyl-2-pentanone (MIBK)	15.22			100	588925	228.58			
1	Toluene	15.55			92	1262462	10.04			
2	Ethyl Methacrylate	15.83			69	306762	9.69			

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:\MS04\DATA\041108\0411F003.D			**Instrument:**	MS04
Acqu Date:	04/11/2008 10:05	**Quant Date:**	04/11/2008 10:36	**Vial:**	3
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG0803340-2			**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	n-Octane	15.57			85	326656	9.08			
2	trans-1,3-Dichloropropene	15.81			75	592463	11.17			
2	1,1,2-Trichloroethane	16.09			83	273171	9.73			
2	Tetrachloroethene (PCE)	16.31			164	497141	9.38			
2	2-Hexanone	16.34			57	422356	220.39			
2	1,3-Dichloropropane	16.32			76	587800	9.76			
2	Dibromochloromethane	16.65			129	460902	10.34			
2	1,2-Dibromoethane (EDB)	16.84			107	364378	10.32			
2	1-Chlorohexane	17.29			55	428066	9.10			
2	Chlorobenzene	17.42			112	1475878	9.38			
2	Ethylbenzene	17.50			106	722080	9.31			
2	1,1,1,2-Tetrachloroethane	17.50			131	516927	10.14			
2	m,p-Xylenes	17.63			106	1853512	18.83			
2	o-Xylene	18.13			106	911684	10.04			
2	Styrene	18.14			104	1527061	10.34			
2	Bromoform	18.42			173	263473	11.78			
2	Isopropylbenzene	18.53			105	2216825	9.40			
3	cis-1,4-Dichloro-2-butene	18.59			88	290498	41.03			
3	1,1,2,2-Tetrachloroethane	18.85			83	314243	8.41			
3	Bromobenzene	18.95			156	706421	9.79			
3	n-Propylbenzene	18.97			91	2688919	8.53			
3	trans-1,4-Dichloro-2-butene	18.90			53	66555	9.58			
3	1,2,3-Trichloropropane	18.93			110	93800	9.17			
3	2-Chlorotoluene	19.12			91	1805809	8.83			
3	1,3,5-Trimethylbenzene	19.14			105	1877880	8.85			
3	4-Chlorotoluene	19.23			91	1668542	8.85			
3	tert-Butylbenzene	19.53			134	441367	8.46			
3	1,2,4-Trimethylbenzene	19.57			105	1910840	9.24			
3	sec-Butylbenzene	19.77			105	2414556	8.88			
3	4-Isopropyltoluene	19.89			119	2092208	8.81			
3	1,3-Dichlorobenzene	19.96			146	1267368	9.34			
3	1,4-Dichlorobenzene	20.05			146	1280591	9.15			
3	n-Butylbenzene	20.36			91	1754621	8.66			
3	1,2-Dichlorobenzene	20.50			146	1078475	9.48			
3	1,2-Dibromo-3-chloropropane	21.41			157	56854	10.30			
3	1,3,5-Trichlorobenzene	21.63			180	801823	10.21			
3	1,2,4-Trichlorobenzene	22.45			180	539611	9.76			
3	Hexachlorobutadiene	22.60			225	237080	8.94			
3	Naphthalene	22.85			128	583500	9.00			
3	1,2,3-Trichlorobenzene	23.18			180	350454	9.48			

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

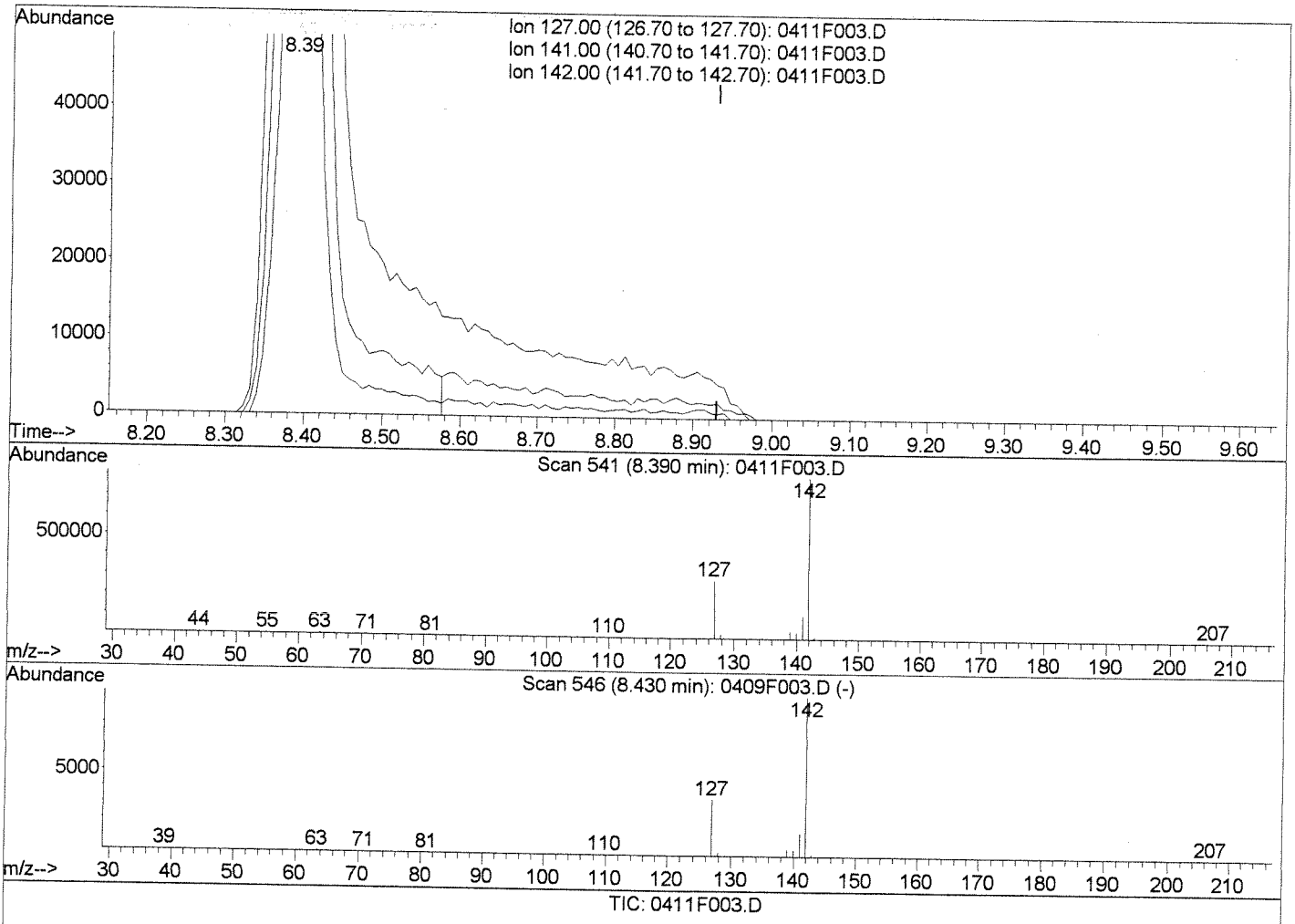
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\041108\0411F003.D
Acq On : 11 Apr 2008 10:05 am
Sample : 8260 CCV
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 10:35 2008

Vial: 3
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Apr 09 10:02:56 2008
Response via : Single Level Calibration



TIC: 0411F003.D

(13) Iodomethane (T)

8.39min 31.47PPB

response 907615

Ion	Exp%	Act%
127.00	100	100
141.00	40.90	39.51
142.00	282.50	279.43
0.00	0.00	0.00

0411F003.D 101007MS04-8260.M Fri Apr 11 10:35:42 2008

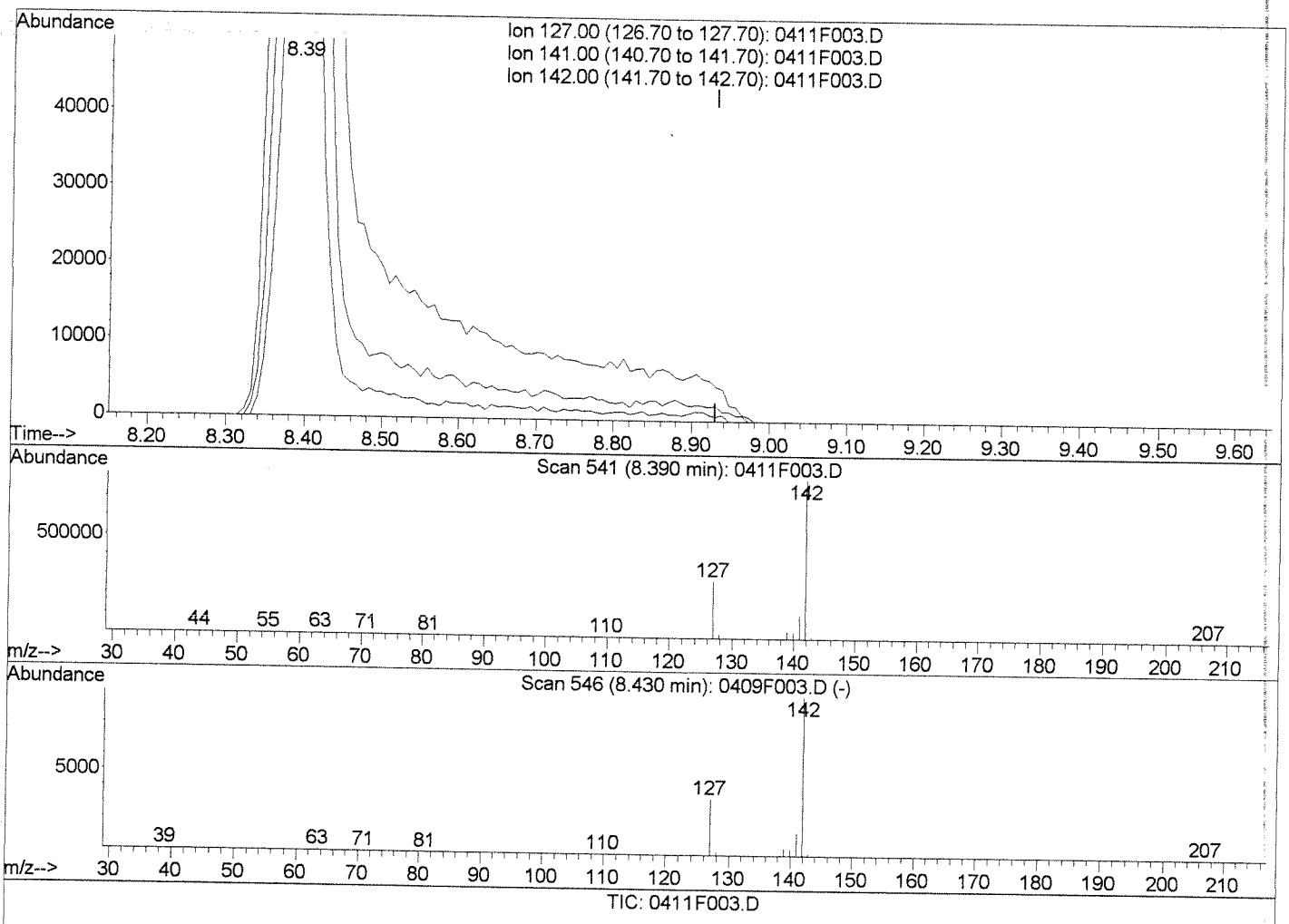
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\041108\0411F003.D
Acq On : 11 Apr 2008 10:05 am
Sample : 8260 CCV
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 10:35 2008

Vial: 3
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Wed Apr 09 10:02:56 2008
Response via : Single Level Calibration



TIC: 0411F003.D

(13) Iodomethane (T)

8.39min 33.82PPB m

response 975406

Ion	Exp%	Act%
127.00	100	100
141.00	40.90	39.51
142.00	282.50	279.43
0.00	0.00	0.00

Peak Tailing
HC 4.11.08
EA-h 4/14/8

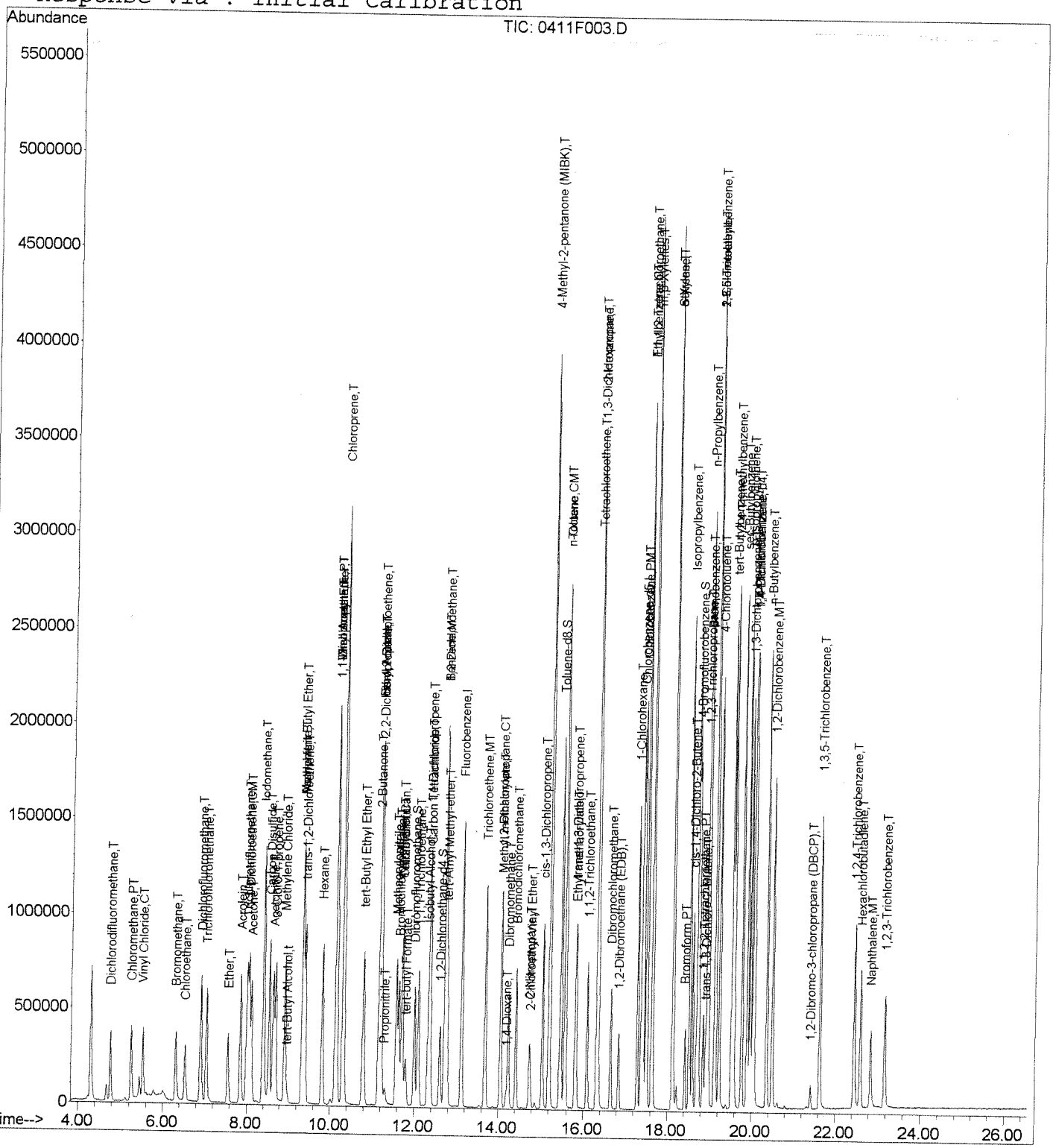
0411F003.D 101007MS04-8260.M Fri Apr 11 10:35:46 2008

Data File : J:\MS04\DATA\041108\0411F003.D
Acq On : 11 Apr 2008 10:05 am
Sample : 8260 CCV
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 10:36 2008

Vial: 3
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Initial Calibration



Organic Analysis:
Volatile Organic Compounds

Validation Package

Sample Prep and Screen Data

Run: 111826
Date: 4/11/08
OPERATOR HConrad
49V0A12C/10B/13C/
ICV/LCS STD# 12D/12A/11C
IS/SS STD# 49V0A01D

COLUMBIA ANALYTICAL SERVICES
VOA DAILY ANALYSIS LOG
GCMS 5971 MS-04

ICAL Date: 10/10/07
CAL: 6696
TUNE FILE: BFB.U
NEW TUNE? NO
N/A TORR N/A °C
SECOND REVIEW E.A.h. 4/14/8
MISC: STD# BFB 49V0A13B, MRL: see CCV
CCV STD# 48V0A103F/49V0A11A MS/D STD# See LCS

	RUN TIME	SAMPLE NAME	DATA FILE	METHOD	PH	DL	R	COMMENTS
1		Primer	0411F001	8260				
2		50ng BFB	2			4.4uL/44mL	/	
3		8260CCV	3			5uL+10uL/9mL	/	
4		LCS	4			10uL+50uL+5uL+5uL+5uL+75uL/5mL	/	
5		2796-01MS	5		L2	88uL+44uL+4uL+4uL+4uL+4.4uL+66uL/44mL	/	
6		〃 01DMS	6		〃	〃	/	
7		IB	7					
8		MRL	8			.25uL+.5uL/9mL	/	
9		MB	9				/	
10		2932-03	10		L2		/	TB 36977
11		2888-04	11				/	TB 37270
12		2796-01	12				/	
13		〃 02	13				/	
14		〃 03	14				/	
15		2874-06R	15		3		/	
16		2880-01	16		L2		/	
17		〃 02	17				/	
18		2932-01	18				/	
19		〃 02	19				/	
20		2888-01	20				/	
21		〃 02	21				/	
22		〃 03	22				/	
23		2957-02DIL	23			20X: 2.5mL/50mL		
24		〃 02	24				/	
25		IB	25					

LIMS WORKGROUP # KWG0803340A/3341P

1

Quantitation Report (QT Reviewed)

Data File : J:\MS04\DATA\041108\0411F008.D
Acq On : 11 Apr 2008 12:45 pm
Sample : MRL CHECK
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 13:14:08 2008

Vial: 8
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-8260

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Initial Calibration
DataAcq Meth : 8260

HC 4.11.08
F.A.H. 4/14/8

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	13.11	96	2021608	10.00	PPB		0.00
63) Chlorobenzene-d5	17.38	117	1533015	10.00	PPB		0.00
83) 1,4-Dichlorobenzene-d4	20.03	152	837977	10.00	PPB		0.00
System Monitoring Compounds							
41) Dibromofluoromethane	12.00	113	576233	10.86	PPB		0.00
Spiked Amount 10.000			Recovery = 108.60%				
47) 1,2-Dichloroethane-d4	12.60	65	431004	11.92	PPB		0.00
Spiked Amount 10.000			Recovery = 119.20%				
61) Toluene-d8	15.46	98	1854987	12.08	PPB		0.00
Spiked Amount 10.000			Recovery = 120.80%				
82) 4-Bromofluorobenzene	18.73	95	678852	11.15	PPB		0.00
Spiked Amount 10.000			Recovery = 111.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	4.77	85	29166	0.49	PPB		88
3) Chloromethane	5.25	50	40968	0.53	PPB		97
4) Vinyl Chloride	5.53	62	34451	0.53	PPB		98
5) Bromomethane	6.31	94	23314	0.51	PPB		97
6) Chloroethane	6.52	64	24868	0.51	PPB		97
7) Dichlorofluoromethane	6.90	67	60999	0.54	PPB		98
8) Trichlorofluoromethane	7.05	101	46039	0.64	PPB		95
9) Ether	7.56	59	15803	0.53	PPB		89
10) Trichlorotrifluoroethane	8.00	151	26151	0.56	PPB		94
11) 1,1-Dichloroethene	8.06	96	29827	0.60	PPB		98
12) Acetone	8.12	43	83949	16.01	PPB		98
13) Iodomethane	8.39	127	34959	1.15	PPB		89
14) Carbon Disulfide	8.54	76	103549	0.50	PPB		92
15) Acrolein	7.85	56	40493	9.91	PPB		96
17) 3-Cloro-1-propene	8.70	41	40698m	0.47	PPB		
18) Acetonitrile	8.66	41	69894	23.23	PPB		86
19) Methylene Chloride	8.92	84	41007	0.58	PPB		93
20) tert-Butyl Alcohol	8.98	59	5160	3.83	PPB		70
21) Methyl tert-Butyl Ether	9.34	73	88679	1.12	PPB		97
22) trans-1,2-Dichloroethene	9.40	96	34601	0.54	PPB		83
23) Hexane	9.81	57	37895	0.52	PPB		94
24) 1,1-Dichloroethane	10.15	63	52532	0.52	PPB		94
25) Vinyl Acetate	10.13	86	4398	0.68	PPB	#	94
26) Acrylonitrile	9.35	53	18087	2.01	PPB		77
27) Diisopropyl Ether	10.13	45	76037	0.48	PPB		98
28) Chloroprene	10.31	88	100648	2.31	PPB		92
29) tert-Butyl Ethyl Ether	10.79	59	60316	0.54	PPB		97

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

Quantitation Report (QT Reviewed)

Data File : J:\MS04\DATA\041108\0411F008.D
Acq On : 11 Apr 2008 12:45 pm
Sample : MRL CHECK
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 13:14:08 2008

Vial: 8
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-826

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
30) 2,2-Dichloropropane	11.21	77	44160	0.64 PPB		87
31) Ethyl Acetate	11.21	70	5660	2.23 PPB	#	68
32) cis-1,2-Dichloroethene	11.20	96	37308	0.57 PPB		98
33) 2-Butanone	11.16	72	24824	12.36 PPB		90
34) Propionitrile	11.31	54	5467	1.93 PPB		64
35) Methacrylonitrile	11.58	67	18133	1.91 PPB		85
36) Bromochloromethane	11.64	128	16170	0.53 PPB		78
37) Chloroform	11.72	83	51349	0.54 PPB		92
38) tert-butyl Formate	11.79	59	12834	0.63 PPB	#	88
39) Tetrahydrofuran	11.70	42	109599	21.77 PPB		95
40) 1,1,1-Trichloroethane	12.09	97	41678	0.60 PPB		96
43) Isobutyl Alcohol	12.32	43	14354	26.22 PPB		86
44) Carbon Tetrachloride	12.37	117	33618	0.57 PPB		94
45) 1,1-Dichloropropene	12.35	75	38321	0.52 PPB		96
46) tert-Amyl Methyl-ether	12.78	55	11624	0.55 PPB	#	74
48) Benzene	12.72	78	114539	0.52 PPB		99
49) 1,2-Dichloroethane	12.73	62	29938	0.63 PPB		93
50) Trichloroethene	13.68	95	29425	0.53 PPB		92
52) Methyl methacrylate	14.07	69	7119	0.48 PPB		81
53) 1,2-Dichloropropane	14.05	63	26259	0.50 PPB		99
54) 1,4-Dioxane	14.19	88	3135	20.82 PPB		98
55) Dibromomethane	14.24	93	13706	0.51 PPB		97
56) Bromodichloromethane	14.41	83	33186	0.55 PPB		91
57) 2-Chloroethyl Vinyl Ether	14.77	63	4777	0.54 PPB	#	65
58) 2-Nitropropane	14.74	41	13688	3.12 PPB		95
59) cis-1,3-Dichloropropene	15.05	75	37245	0.53 PPB		94
60) 4-Methyl-2-pentanone (MIBK	15.21	100	28329	10.44 PPB	#	85
62) Toluene	15.56	92	70012	0.53 PPB		92
64) Ethyl methacrylate	15.84	69	14025	0.43 PPB		94
65) n-Octane	15.58	85	18942	0.51 PPB		94
66) trans-1,3-Dichloropropene	15.81	75	28724	0.53 PPB		96
67) 1,1,2-Trichloroethane	16.08	83	13630	0.47 PPB		86
68) Tetrachloroethene	16.31	164	28925	0.53 PPB		94
69) 2-Hexanone	16.35	57	19897	10.08 PPB		90
70) 1,3-Dichloropropane	16.33	76	29480	0.48 PPB		99
71) Dibromochloromethane	16.65	129	23538	0.51 PPB		97
72) 1,2-Dibromoethane (EDB)	16.84	107	16926	0.47 PPB		92
73) 1-Chlorohexane	17.28	55	24073	0.50 PPB		97
74) Chlorobenzene	17.43	112	76452	0.47 PPB		90
75) Ethylbenzene	17.51	106	57961	0.73 PPB	#	81
77) m,p-Xylenes	17.64	106	136756	1.35 PPB	#	53

TV=10

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

Data File : J:\MS04\DATA\041108\0411F008.D
Acq On : 11 Apr 2008 12:45 pm
Sample : MRL CHECK
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 13:14:08 2008

Vial: 8
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-826

Quant Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
78) o-Xylene	18.13	106	49094	0.52	PPB		94
79) Styrene	18.14	104	77348	0.51	PPB		92
80) Bromoform	18.41	173	12927	0.56	PPB		94
81) Isopropylbenzene	18.52	105	125020	0.51	PPB		96
84) cis-1,4-Dichloro-2-Butene	18.60	88	13757	1.90	PPB		90
85) 1,1,2,2-Tetrachloroethane	18.85	83	18294	0.48	PPB		89
86) Bromobenzene	18.95	156	35703	0.48	PPB		94
87) n-Propylbenzene	18.98	91	149837	0.46	PPB		99
88) trans-1,3-Dichloro-2-Buten	18.90	53	3439	0.48	PPB		82
89) 1,2,3-Trichloropropane	18.94	110	5116	0.49	PPB	#	64
90) 2-Chlorotoluene	19.13	91	101985	0.49	PPB		96
91) 1,3,5-Trimethylbenzene	19.14	105	101706	0.47	PPB		95
92) 4-Chlorotoluene	19.24	91	93362	0.48	PPB		95
93) tert-Butylbenzene	19.53	134	25036	0.47	PPB		96
94) 1,2,4-Trimethylbenzene	19.57	105	97954	0.46	PPB		99
95) sec-Butylbenzene	19.76	105	130329	0.47	PPB		98
96) p-Isopropyltoluene	19.90	119	112355	0.46	PPB		97
97) 1,3-Dichlorobenzene	19.97	146	66287	0.48	PPB		93
98) 1,4-Dichlorobenzene	20.06	146	64222	0.45	PPB		98
99) n-Butylbenzene	20.35	91	95796	0.46	PPB		97
100) 1,2-Dichlorobenzene	20.50	146	56467	0.48	PPB		96
101) 1,2-Dibromo-3-chloropropan	21.41	157	3659	0.65	PPB		88
102) 1,3,5-Trichlorobenzene	21.63	180	69305	0.86	PPB		97
103) 1,2,4-Trichlorobenzene	22.46	180	33392	0.59	PPB		97
104) Hexachlorobutadiene	22.61	225	14995	0.55	PPB		95
105) Naphthalene	22.85	128	38365	0.58	PPB		91
106) 1,2,3-Trichlorobenzene	23.19	180	28236	0.75	PPB		91

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

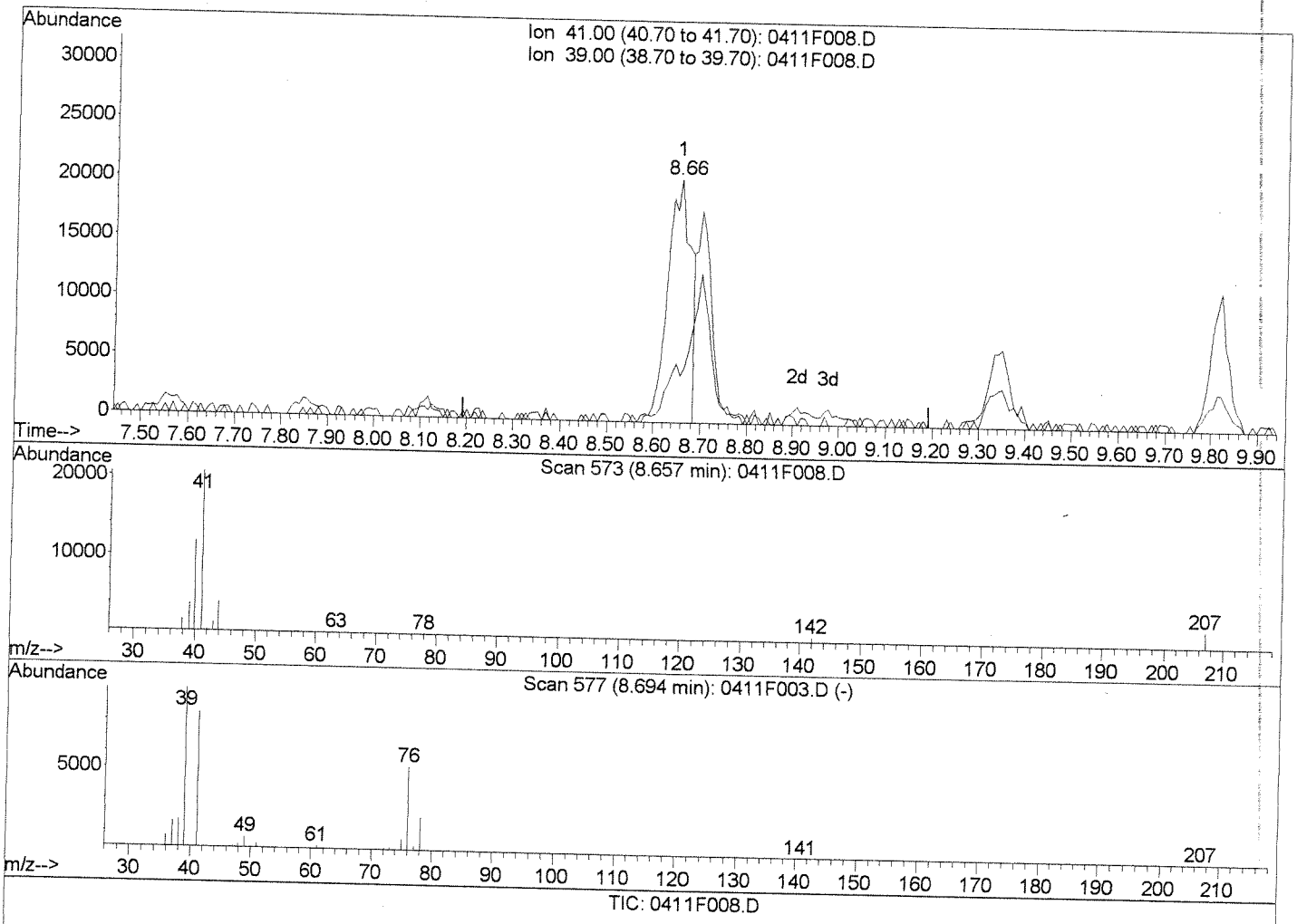
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\041108\0411F008.D
Acq On : 11 Apr 2008 12:45 pm
Sample : MRL CHECK
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 13:14 2008

Vial: 8
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Multiple Level Calibration



TIC: 0411F008.D

(17) 3-Cloro-1-propene (T)

8.66min 0.81PPB

response 69894

Ion	Exp%	Act%
41.00	100	100
39.00	68.70	15.88#
0.00	0.00	0.00
0.00	0.00	0.00

0411F008.D 101007MS04-8260.M Fri Apr 11 13:14:25 2008

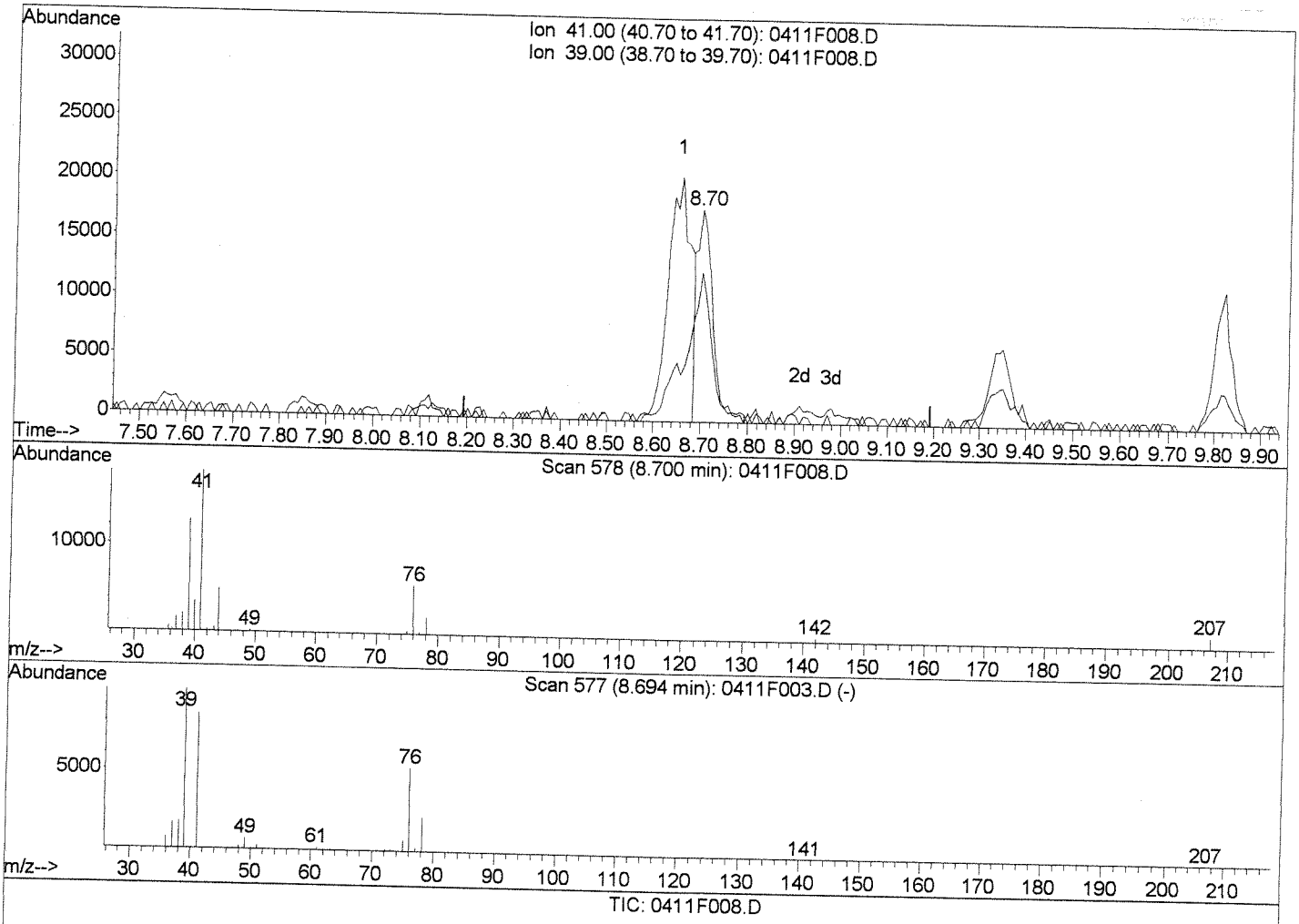
Quantitation Report (Qedit)

Data File : J:\MS04\DATA\041108\0411F008.D
Acq On : 11 Apr 2008 12:45 pm
Sample : MRL CHECK
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 13:14 2008

Vial: 8
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Multiple Level Calibration



(17) 3-Cloro-1-propene (T)

8.70min 0.47PPB m

response 40698

Ion	Exp%	Act%
41.00	100	100
39.00	68.70	70.30
0.00	0.00	0.00
0.00	0.00	0.00

wrong peak
HL 4.11.08
F-A-h-4/14/8

0411F008.D 101007MS04-8260.M Fri Apr 11 13:14:29 2008

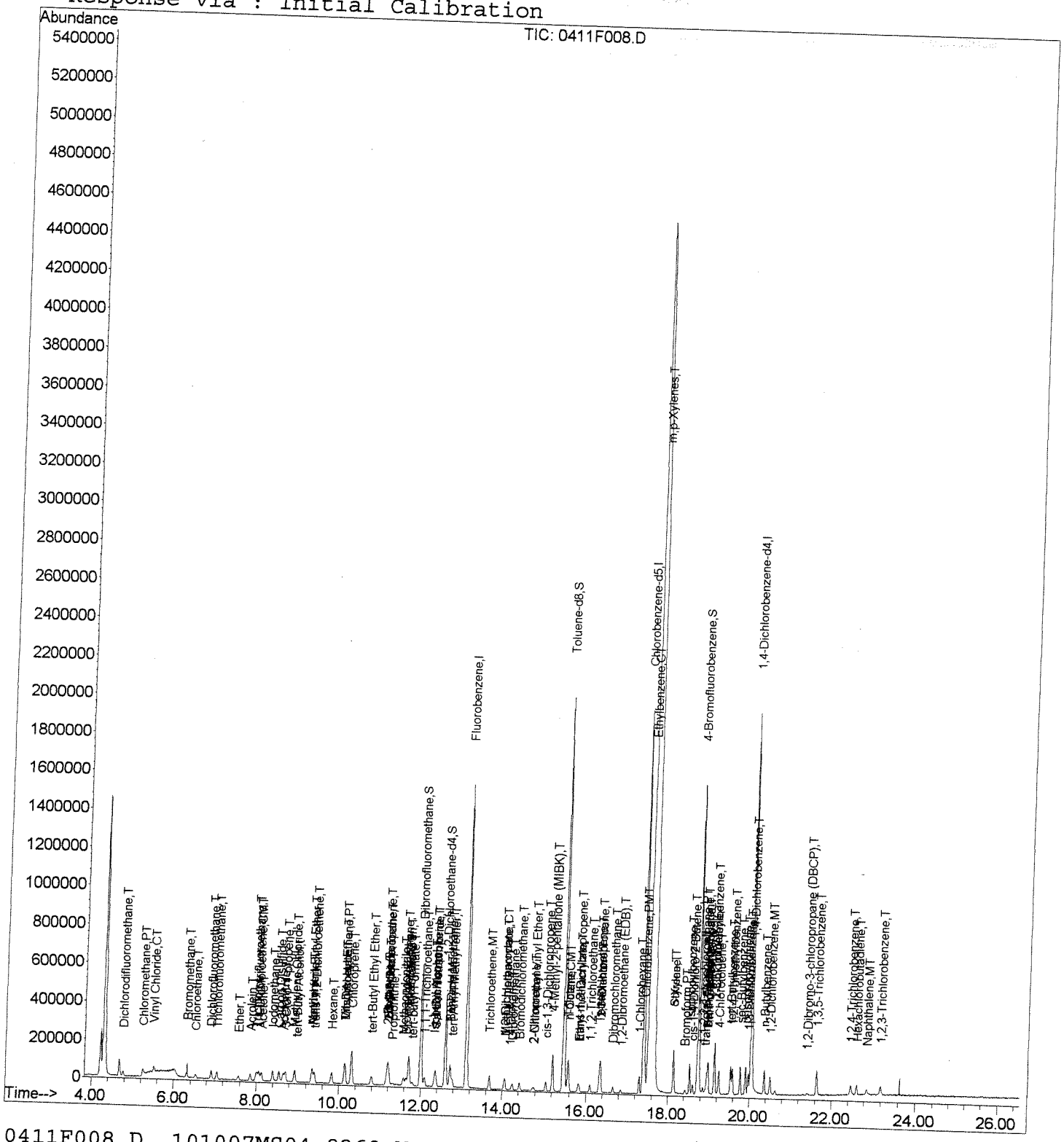
Quantitation Report (QT Reviewed)

Data File : J:\MS04\DATA\041108\0411F008.D
Acq On : 11 Apr 2008 12:45 pm
Sample : MRL CHECK
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 11 13:15 2008

Vial: 8
Operator: HC
Inst : MS04
Multiplr: 1.00

Quant Results File: 101007MS04-

Method : J:\MS04\METHODS\101007MS04-8260.M (RTE Integrator)
Title : VOA MS04 EPA Method 8260B/624
Last Update : Fri Apr 11 10:36:38 2008
Response via : Initial Calibration



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: K0802796

Cover Page - Organic Analysis Data Package
1,4-Dioxane by GC/MS

Sample Name	Lab Code	Date Collected	Date Received
KEP-GW-020A-003	K0802796-001	03/28/2008	04/01/2008
KEP-GW-020B-003	K0802796-002	03/28/2008	04/01/2008
Duplcate 2	K0802796-003	03/28/2008	04/01/2008

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 Dyer

Date: 4/17/08 Title: Lab Supervisor

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802796
Project:	Kuhlman Electric	**Date Collected:**	03/28/2008
Sample Matrix:	Water	**Date Received:**	04/01/2008

1,4-Dioxane by GC/MS

Sample Name:	KEP-GW-020A-003	**Units:**	ug/L
Lab Code:	K0802796-001	**Basis:**	NA
Extraction Method:	METHOD	**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	04/04/08	04/09/08	KWG0803108	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	60	55-100	04/09/08	Acceptable

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802796
Project:	Kuhlman Electric	**Date Collected:**	03/28/2008
Sample Matrix:	Water	**Date Received:**	04/01/2008

1,4-Dioxane by GC/MS

Sample Name:	KEP-GW-020B-003	**Units:**	ug/L
Lab Code:	K0802796-002	**Basis:**	NA
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	**0.64**		0.50	0.260	1	04/04/08	04/09/08	KWG0803108	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	62	55-100	04/09/08	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802796
Project:	Kuhlman Electric	**Date Collected:**	03/28/2008
Sample Matrix:	Water	**Date Received:**	04/01/2008

1,4-Dioxane by GC/MS

Sample Name:	Duplcate 2	**Units:**	ug/L
Lab Code:	K0802796-003	**Basis:**	NA
Extraction Method:	METHOD	**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	04/04/08	04/09/08	KWG0803108	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	60	55-100	04/09/08	Acceptable

Comments:

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802796
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:	KWG0803108-3	**Basis:**	NA
Extraction Method:	METHOD	**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	04/04/08	04/09/08	KWG0803108	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	63	55-100	04/09/08	Acceptable

Comments:

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

Service Request: K0802796

Surrogate Recovery Summary
1,4-Dioxane by GC/MS

Extraction Method: METHOD
Analysis Method: 8270C SIM

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1
KEP-GW-020A-003	K0802796-001	60
KEP-GW-020B-003	K0802796-002	62
Duplcate 2	K0802796-003	60
Method Blank	KWG0803108-3	63
Lab Control Sample	KWG0803108-1	56
Duplicate Lab Control Sample	KWG0803108-2	63

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
Project: Kuhlman Electric

Service Request: K0802796
Date Analyzed: 04/09/2008
Time Analyzed: 11:48

Internal Standard Area and RT Summary
1,4-Dioxane by GC/MS

File ID: J:\MS20\DATA\040908\0409F002.D
Instrument ID: MS20
Analysis Method: 8270C SIM

Lab Code: KWG0803281-2
Analysis Lot: KWG0803281

		1,4-Dichlorobenzene-d4	
		Area	**RT**
	Results ==>	81,877	8.40
	Upper Limit ==>	163,754	8.90
	Lower Limit ==>	40,939	7.90
	ICAL Result ==>	85,840	8.43
Associated Analyses			
Method Blank	KWG0803108-3	87,574	8.43
Lab Control Sample	KWG0803108-1	89,704	8.39
Duplicate Lab Control Sample	KWG0803108-2	88,375	8.42
KEP-GW-020A-003	K0802796-001	85,128	8.40
KEP-GW-020B-003	K0802796-002	86,772	8.40
Duplcate 2	K0802796-003	89,528	8.43

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

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

Service Request: K0802796
Date Extracted: 04/04/2008
Date Analyzed: 04/09/2008

Lab Control Spike/Duplicate Lab Control Spike Summary
1,4-Dioxane by GC/MS

Extraction Method: METHOD
Analysis Method: 8270C SIM

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0803108

	Lab Control Sample KWG0803108-1 Lab Control Spike			Duplicate Lab Control Sample KWG0803108-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	16.0	25.0	64	17.6	25.0	70	56-107	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.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802796
Project:	Kuhlman Electric	**Date Extracted:**	04/04/2008
Sample Matrix:	Water	**Date Analyzed:**	04/09/2008
		Time Analyzed:	12:08

Method Blank Summary
1,4-Dioxane by GC/MS

Sample Name:	Method Blank	**File ID:**	J:\MS20\DATA\040908\0409F003.D
Lab Code:	KWG0803108-3	**Instrument ID:**	MS20
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8270C SIM	**Extraction Lot:**	KWG0803108

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0803108-1	J:\MS20\DATA\040908\0409F004.D	04/09/08	12:27
Duplicate Lab Control Sample	KWG0803108-2	J:\MS20\DATA\040908\0409F005.D	04/09/08	12:46
KEP-GW-020A-003	K0802796-001	J:\MS20\DATA\040908\0409F006.D	04/09/08	13:05
KEP-GW-020B-003	K0802796-002	J:\MS20\DATA\040908\0409F007.D	04/09/08	13:26
Duplcate 2	K0802796-003	J:\MS20\DATA\040908\0409F008.D	04/09/08	13:46

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

Service Request: K0802796

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:	KWG0803108-1	**Lab Code:**	KWG0803108-2
File ID:	J:\MS20\DATA\040908\0409F004.D	**File ID:**	J:\MS20\DATA\040908\0409F005.D
Instrument ID:	MS20	**Instrument ID:**	MS20
Date Extracted:	04/04/2008	**Date Extracted:**	04/04/2008
Date Analyzed:	04/09/2008	**Date Analyzed:**	04/09/2008
Time Analyzed:	12:27	**Time Analyzed:**	12:46

Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8270C SIM	**Extraction Lot:**	KWG0803108

These Lab Control Samples apply to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG0803108-3	J:\MS20\DATA\040908\0409F003.D	04/09/08	12:08
KEP-GW-020A-003	K0802796-001	J:\MS20\DATA\040908\0409F006.D	04/09/08	13:05
KEP-GW-020B-003	K0802796-002	J:\MS20\DATA\040908\0409F007.D	04/09/08	13:26
Duplcate 2	K0802796-003	J:\MS20\DATA\040908\0409F008.D	04/09/08	13:46

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
Date Analyzed: 04/09/2008
Time Analyzed: 11:24

Tune Summary
1,4-Dioxane by GC/MS

File ID: J:\MS20\DATA\040908\0409F001.D
Instrument ID: MS20
Column:

Analysis Method: 8270C SIM
Analysis Lot: KWG0803281

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	24.9	242646	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	31.5	307150	PASS
70	69	0	2	0.5	1565	PASS
127	198	10	80	42.8	416981	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	48.6	974741	PASS
199	198	5	9	6.9	67365	PASS
275	198	10	60	31.5	307242	PASS
365	442	1	50	2.1	42482	PASS
441	443	0	100	87.1	363242	PASS
442	442	100	100	100.0	2003626	PASS
443	442	15	24	20.8	417173	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG0803281-2	J:\MS20\DATA\040908\0409F002.D	04/09/2008	11:48	
Method Blank	KWG0803108-3	J:\MS20\DATA\040908\0409F003.D	04/09/2008	12:08	
Lab Control Sample	KWG0803108-1	J:\MS20\DATA\040908\0409F004.D	04/09/2008	12:27	
Duplicate Lab Control Sample	KWG0803108-2	J:\MS20\DATA\040908\0409F005.D	04/09/2008	12:46	
KEP-GW-020A-003	K0802796-001	J:\MS20\DATA\040908\0409F006.D	04/09/2008	13:05	
KEP-GW-020B-003	K0802796-002	J:\MS20\DATA\040908\0409F007.D	04/09/2008	13:26	
Duplcate 2	K0802796-003	J:\MS20\DATA\040908\0409F008.D	04/09/2008	13:46	

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

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
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: K0802796
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**

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
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

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
Date Analyzed: 04/09/2008

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: KWG0803281
Units: ng/ml

File ID: J:\MS20\DATA\040908\0409F002.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
1,4-Dioxane	50	44	0.01	0.509	0.450	-11	NA	± 20 %	AverageRF
1,4-Dioxane-d8	50	44	0.01	0.416	0.366	-12	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: K0802796

Analysis Run Log
1,4-Dioxane by GC/MS

Analysis Method: 8270C SIM

Analysis Lot: KWG0803281
Instrument ID: MS20

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0409F001.D	GC/MS Tuning - Decafluorotripheny	KWG0803281-1	4/9/2008	11:24		4/9/2008	11:38
0409F002.D	Continuing Calibration Verification	KWG0803281-2	4/9/2008	11:48		4/9/2008	12:00
0409F003.D	Method Blank	KWG0803108-3	4/9/2008	12:08		4/9/2008	12:20
0409F004.D	Lab Control Sample	KWG0803108-1	4/9/2008	12:27		4/9/2008	12:39
0409F005.D	Duplicate Lab Control Sample	KWG0803108-2	4/9/2008	12:46		4/9/2008	12:58
0409F006.D	KEP-GW-020A-003	K0802796-001	4/9/2008	13:05		4/9/2008	13:17
0409F007.D	KEP-GW-020B-003	K0802796-002	4/9/2008	13:26		4/9/2008	13:38
0409F008.D	Duplcate 2	K0802796-003	4/9/2008	13:46		4/9/2008	13:58
0409F009.D	ZZZZZZ	ZZZZZZ	4/9/2008	14:05		4/9/2008	14:17
0409F010.D	ZZZZZZ	ZZZZZZ	4/9/2008	14:24		4/9/2008	14:36
0409F011.D	ZZZZZZ	ZZZZZZ	4/9/2008	14:43		4/9/2008	14:55
0409F012.D	ZZZZZZ	ZZZZZZ	4/9/2008	15:03		4/9/2008	15:15
0409F013.D	ZZZZZZ	ZZZZZZ	4/9/2008	15:22		4/9/2008	15:34
0409F014.D	ZZZZZZ	ZZZZZZ	4/9/2008	15:41		4/9/2008	15:53
0409F015.D	ZZZZZZ	ZZZZZZ	4/9/2008	16:00		4/9/2008	16:12
0409F016.D	ZZZZZZ	ZZZZZZ	4/9/2008	16:20		4/9/2008	16:32
0409F017.D	ZZZZZZ	ZZZZZZ	4/9/2008	16:39		4/9/2008	16:51
0409F018.D	ZZZZZZ	ZZZZZZ	4/9/2008	16:58		4/9/2008	17:10
0409F019.D	ZZZZZZ	ZZZZZZ	4/9/2008	17:18		4/9/2008	17:30
0409F020.D	ZZZZZZ	ZZZZZZ	4/9/2008	17:37		4/9/2008	17:49
0409F021.D	ZZZZZZ	ZZZZZZ	4/9/2008	17:56		4/9/2008	18:08
0409F022.D	ZZZZZZ	ZZZZZZ	4/9/2008	18:15		4/9/2008	18:27

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: K0802796
Date Extracted: 04/04/2008

Extraction Prep Log
1,4-Dioxane by GC/MS

Extraction Method: METHOD
Analysis Method: 8270C SIM

Extraction Lot: KWG0803108
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
KEP-GW-020A-003	K0802796-001	03/28/08	04/01/08	100ml	25ml	NA	
KEP-GW-020B-003	K0802796-002	03/28/08	04/01/08	100ml	25ml	NA	
Duplcate 2	K0802796-003	03/28/08	04/01/08	100ml	25ml	NA	
Method Blank	KWG0803108-3	NA	NA	100ml	25ml	NA	
Lab Control Sample	KWG0803108-1	NA	NA	100ml	25ml	NA	
Duplicate Lab Control Sample	KWG0803108-2	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

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K0802796

Surrogate Recovery Summary
1,4-Dioxane by GC/MS

Extraction Method: METHOD
Analysis Method: 8270C SIM

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1
KEP-GW-020A-003	K0802796-001	60
KEP-GW-020B-003	K0802796-002	62
Duplcate 2	K0802796-003	60
Method Blank	KWG0803108-3	63
Lab Control Sample	KWG0803108-1	56
Duplicate Lab Control Sample	KWG0803108-2	63

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
Project: Kuhlman Electric

Service Request: K0802796
Date Analyzed: 04/09/2008
Time Analyzed: 11:48

Internal Standard Area and RT Summary
1,4-Dioxane by GC/MS

File ID: J:\MS20\DATA\040908\0409F002.D
Instrument ID: MS20
Analysis Method: 8270C SIM

Lab Code: KWG0803281-2
Analysis Lot: KWG0803281

		1,4-Dichlorobenzene-d4	
		Area	**RT**
	Results ==>	81,877	8.40
	Upper Limit ==>	163,754	8.90
	Lower Limit ==>	40,939	7.90
	ICAL Result ==>	85,840	8.43
Associated Analyses			
Method Blank	KWG0803108-3	87,574	8.43
Lab Control Sample	KWG0803108-1	89,704	8.39
Duplicate Lab Control Sample	KWG0803108-2	88,375	8.42
KEP-GW-020A-003	K0802796-001	85,128	8.40
KEP-GW-020B-003	K0802796-002	86,772	8.40
Duplcate 2	K0802796-003	89,528	8.43

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

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

Service Request: K0802796
Date Extracted: 04/04/2008
Date Analyzed: 04/09/2008

Lab Control Spike/Duplicate Lab Control Spike Summary
1,4-Dioxane by GC/MS

Extraction Method: METHOD
Analysis Method: 8270C SIM

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG0803108

	Lab Control Sample KWG0803108-1 Lab Control Spike			Duplicate Lab Control Sample KWG0803108-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	16.0	25.0	64	17.6	25.0	70	56-107	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	**Service Request:**	K0802796
Project:	Kuhlman Electric	**Date Extracted:**	04/04/2008
Sample Matrix:	Water	**Date Analyzed:**	04/09/2008
		Time Analyzed:	12:08

Method Blank Summary
1,4-Dioxane by GC/MS

Sample Name:	Method Blank	**File ID:**	J:\MS20\DATA\040908\0409F003.D
Lab Code:	KWG0803108-3	**Instrument ID:**	MS20
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8270C SIM	**Extraction Lot:**	KWG0803108

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0803108-1	J:\MS20\DATA\040908\0409F004.D	04/09/08	12:27
Duplicate Lab Control Sample	KWG0803108-2	J:\MS20\DATA\040908\0409F005.D	04/09/08	12:46
KEP-GW-020A-003	K0802796-001	J:\MS20\DATA\040908\0409F006.D	04/09/08	13:05
KEP-GW-020B-003	K0802796-002	J:\MS20\DATA\040908\0409F007.D	04/09/08	13:26
Duplcate 2	K0802796-003	J:\MS20\DATA\040908\0409F008.D	04/09/08	13:46

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: K0802796

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:	KWG0803108-1	**Lab Code:**	KWG0803108-2
File ID:	J:\MS20\DATA\040908\0409F004.D	**File ID:**	J:\MS20\DATA\040908\0409F005.D
Instrument ID:	MS20	**Instrument ID:**	MS20
Date Extracted:	04/04/2008	**Date Extracted:**	04/04/2008
Date Analyzed:	04/09/2008	**Date Analyzed:**	04/09/2008
Time Analyzed:	12:27	**Time Analyzed:**	12:46

Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8270C SIM	**Extraction Lot:**	KWG0803108

These Lab Control Samples apply to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG0803108-3	J:\MS20\DATA\040908\0409F003.D	04/09/08	12:08
KEP-GW-020A-003	K0802796-001	J:\MS20\DATA\040908\0409F006.D	04/09/08	13:05
KEP-GW-020B-003	K0802796-002	J:\MS20\DATA\040908\0409F007.D	04/09/08	13:26
Duplcate 2	K0802796-003	J:\MS20\DATA\040908\0409F008.D	04/09/08	13:46

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:**	K0802796
Project:	Kuhlman Electric	**Date Collected:**	03/28/2008
Sample Matrix:	Water	**Date Received:**	04/01/2008

1,4-Dioxane by GC/MS

Sample Name:	KEP-GW-020A-003	**Units:**	ug/L
Lab Code:	K0802796-001	**Basis:**	NA
Extraction Method:	METHOD	**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	04/04/08	04/09/08	KWG0803108	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	60	55-100	04/09/08	Acceptable

Comments:

Exception Report

Data File: J:\MS20\DATA\040908\0409F006.D
Lab ID: K0802796-001
RunType: SMPL
Matrix: WATER

Date Acquired: 04/09/2008 13:05
Date Quantitated: 04/10/2008 09:23
Batch ID: KWG0803281
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: 4/10/08

Secondary Review: CJ 4/10/08

Quantitation Report

Bottle ID:		**Tier:**	III	**Matrix:**	WATER
Prod Code:	8270C SIM 14_DI	**Collect Date:**	03/28/2008	**Receive Date:**	04/01/2008

Analysis Lot:	KWG0803281	**Prep Lot:**	KWG0803108	**Report Group:**	K0802796
Analysis Method:	8270C SIM	**Prep Method:**	METHOD		
Prep Ref:	699168	**Prep Date:**	04/04/2008		

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\040908\0409F001.D	**Method ID:**	MJ402
MB Ref:	J:\MS20\DATA\040908\0409F003.D	**Quant based on Report List**	

Data File:	J:\MS20\DATA\040908\0409F006.D			**Instrument:**	MS20
Acqu Date:	04/09/2008 13:05	**Quant Date:**	04/10/2008 09:23	**Vial:**	26
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802796-001			**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	8.40	0.00?	152	85128**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	6.66	-0.01	0.00	96	42736**m**	60.40	60	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	6.67	-0.02	0.00	88	624	0.7200	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\040908\0409F006.D Vial: 26
Acq On : 9 Apr 2008 13:05 Operator: JGISH
Sample : K0802796-001 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 08:53:01 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

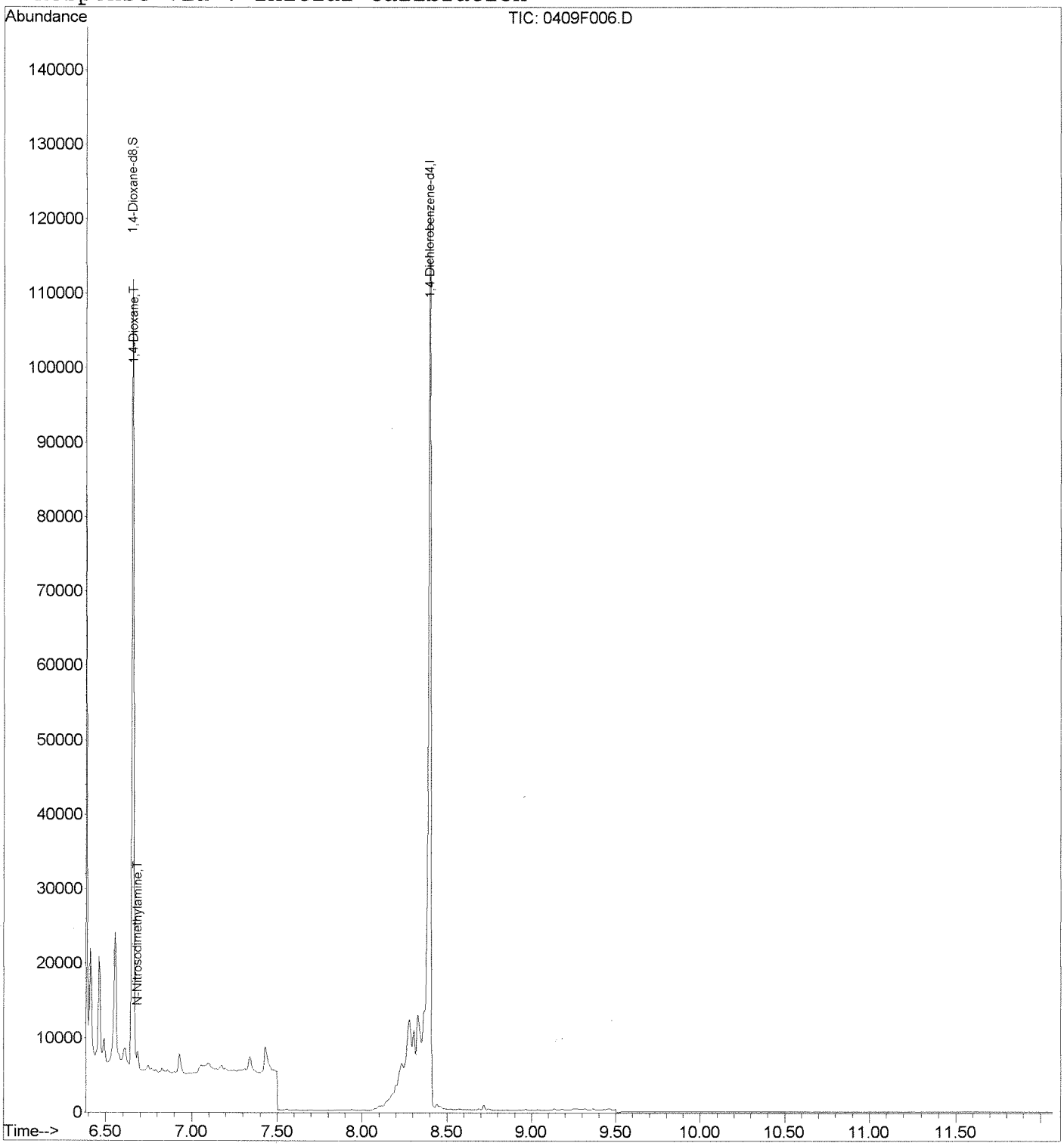
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	85128m	50.00	ng/ml	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.66	96	42736m	60.40	ng/ml	-0.03
Spiked Amount 50.000			Recovery =	120.80%		
5) NDMA-d6	0.00	80	0	0.00	ng/ml	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	6.67	88	624	0.72	ng/ml#	65
4) N-Nitrosodimethylamine	6.69	74	752	0.60	ng/ml#	40

(#) = qualifier out of range (m) = manual integration
0409F006.D 0408DXNDMA.M Thu Apr 10 09:01:55 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040908\0409F006.D Vial: 26
Acq On : 9 Apr 2008 13:05 Operator: JGISH
Sample : K0802796-001 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 8:54 2008 Quant Results File: 0408DXNDMA.R

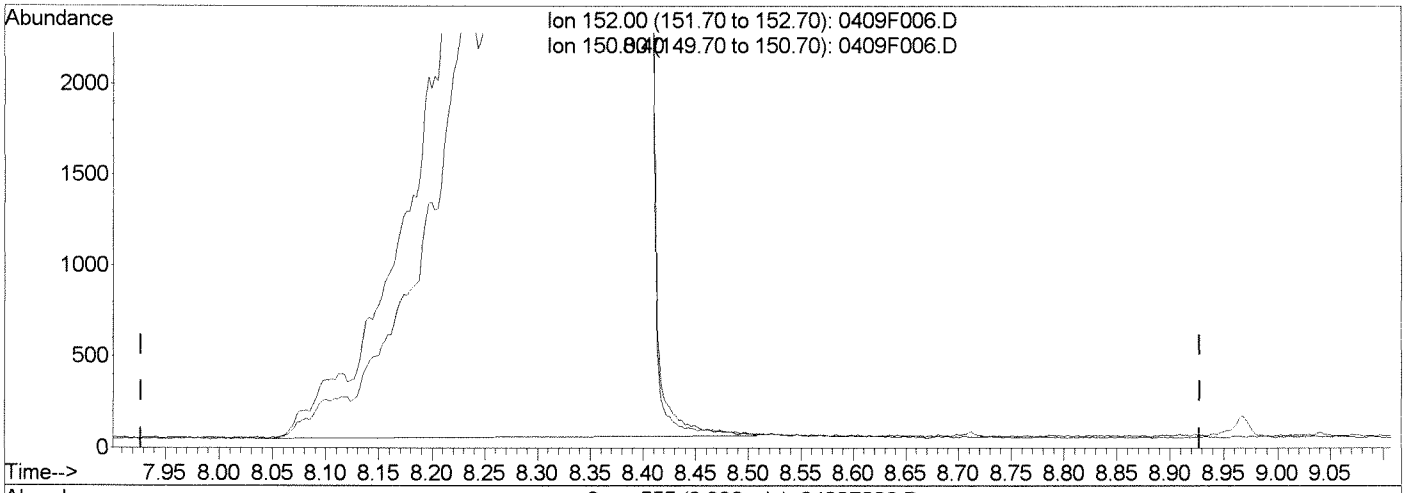
Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Initial Calibration

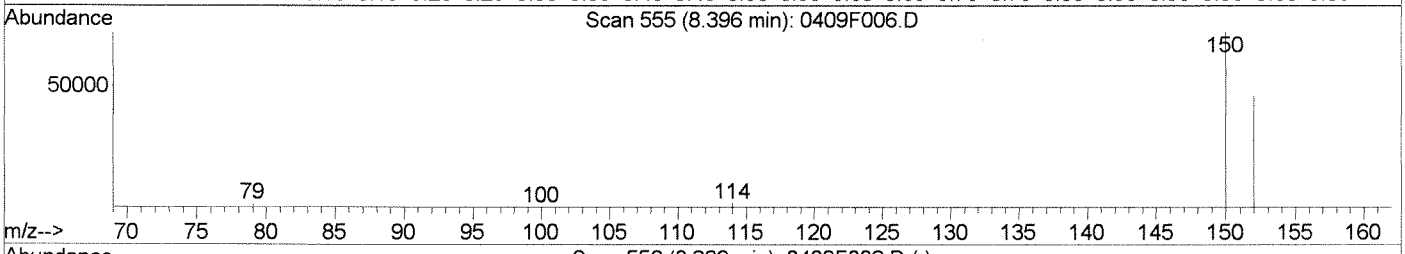


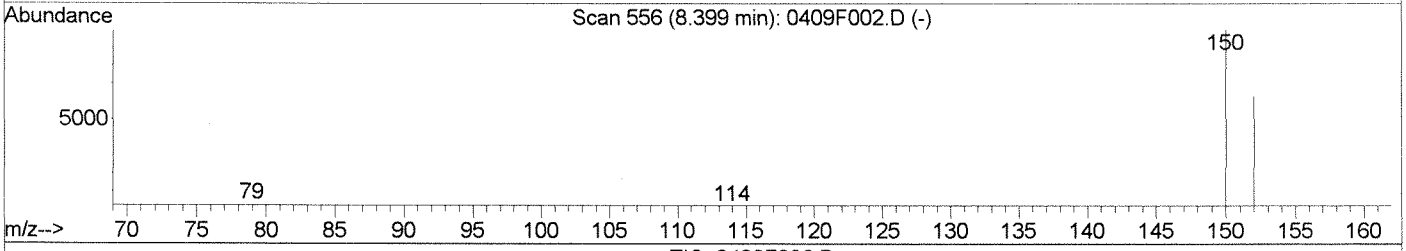
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040908\0409F006.D Vial: 26
Acq On : 9 Apr 2008 13:05 Operator: JGISH
Sample : K0802796-001 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 8:54 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: 0409F006.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.40min 50.00ng/ml m

response 85128

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	157.44
0.00	0.00	0.00
0.00	0.00	0.00

4/10/08 IC

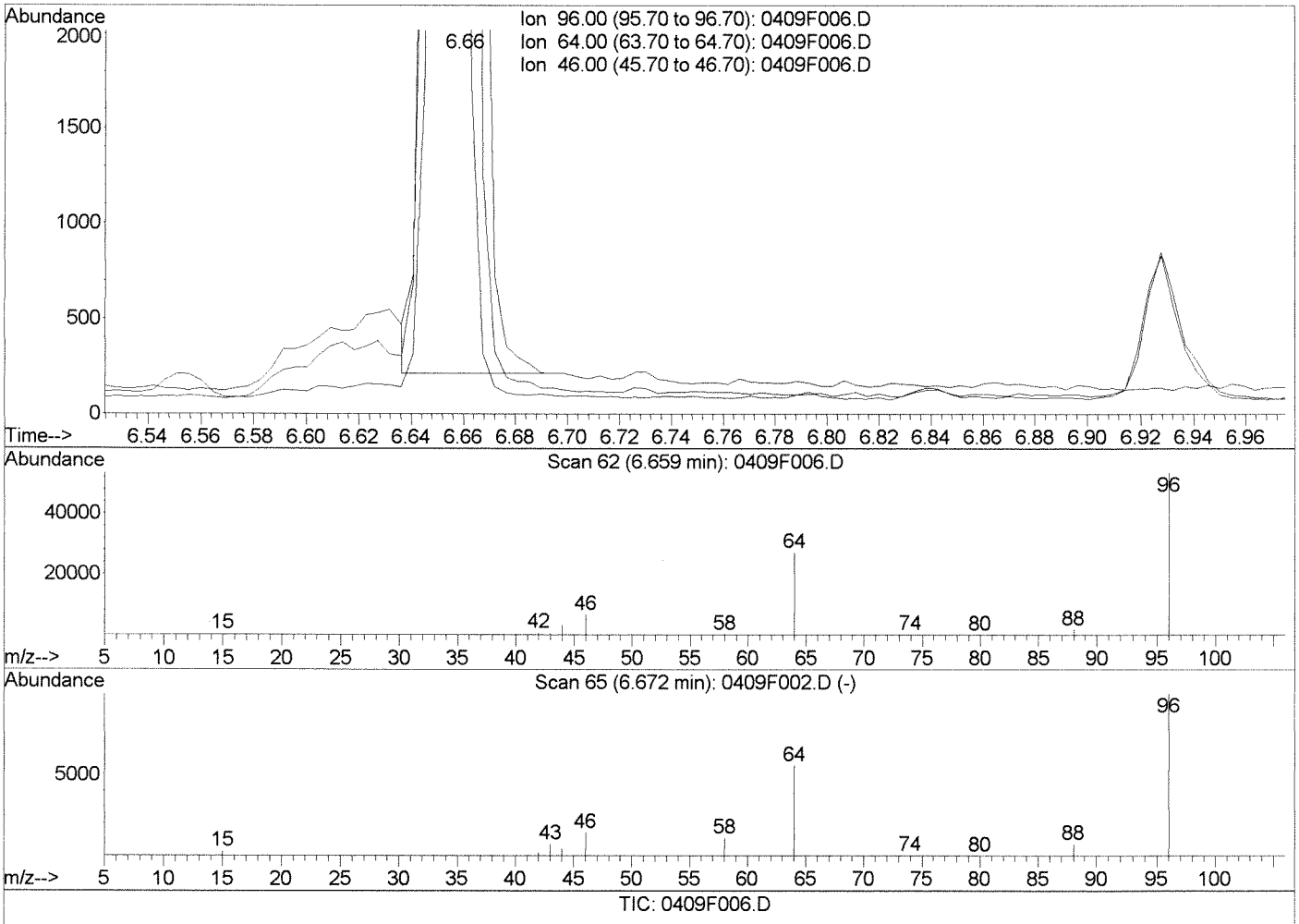
4/16/08

0409F006.D 0408DXNDMA.M Thu Apr 10 08:54:31 2008

Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040908\0409F006.D Vial: 26
Acq On : 9 Apr 2008 13:05 Operator: JGISH
Sample : K0802796-001 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 8:54 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: 0409F006.D

(3) 1,4-Dioxane-d8 (S)

6.66min 58.55ng/ml

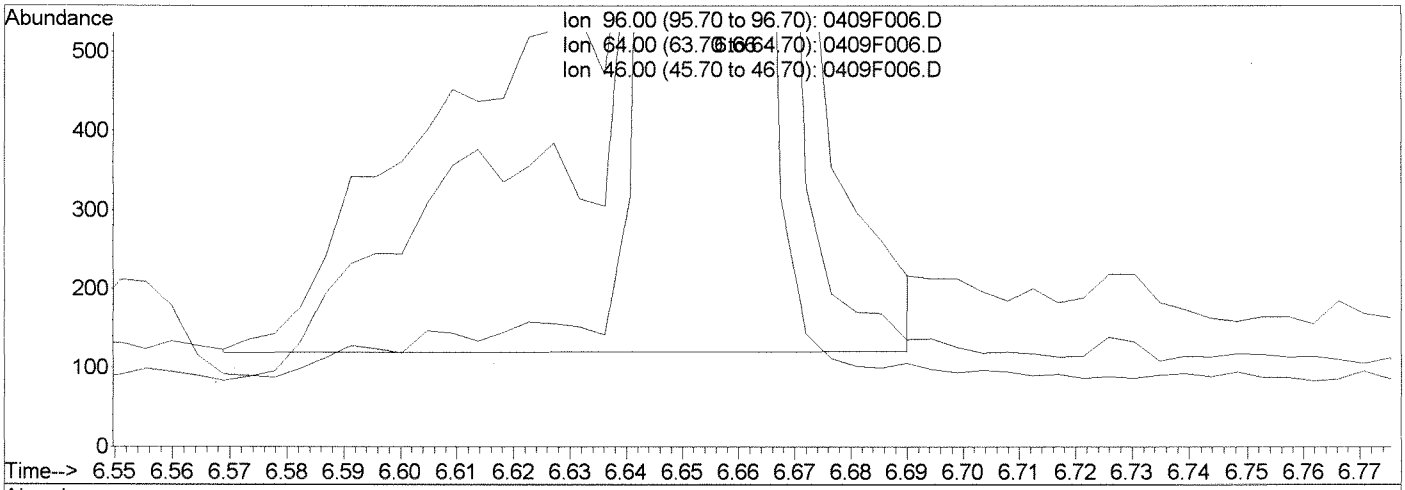
response 41430

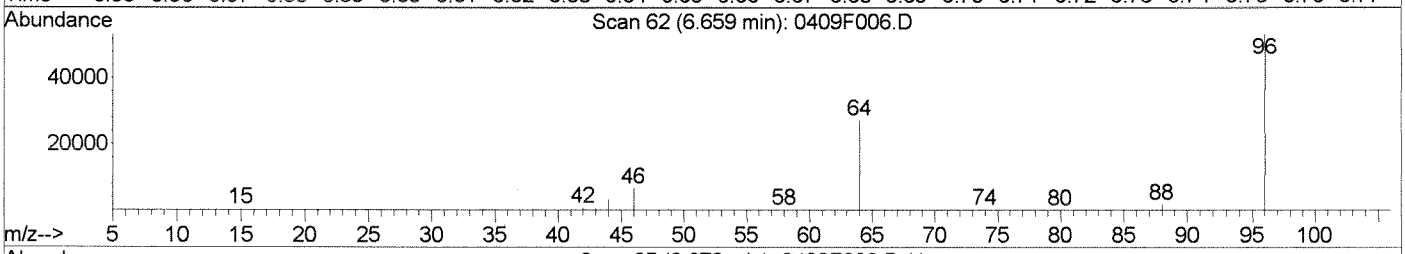
Ion	Exp%	Act%
96.00	100	100
64.00	60.90	50.75
46.00	16.70	12.37
0.00	0.00	0.00

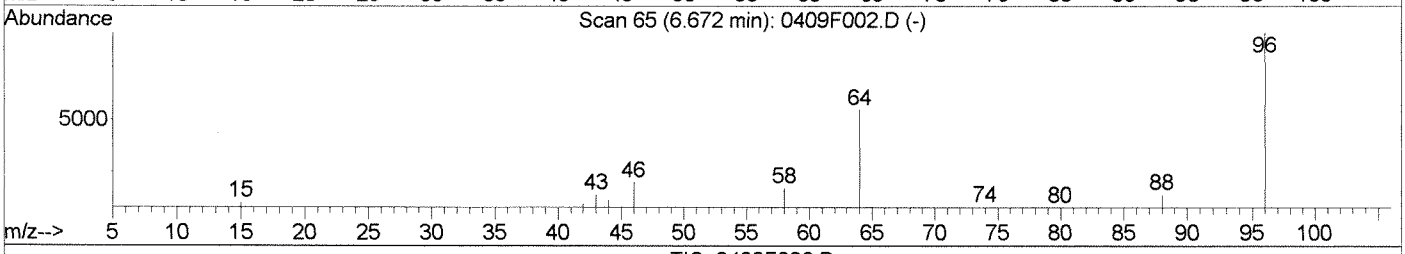
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040908\0409F006.D Vial: 26
Acq On : 9 Apr 2008 13:05 Operator: JGISH
Sample : K0802796-001 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 8:54 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: 0409F006.D

(3) 1,4-Dioxane-d8 (S)

6.66min 60.40ng/ml m

response 42736

Ion	Exp%	Act%
96.00	100	100
64.00	60.90	50.75
46.00	16.70	12.37
0.00	0.00	0.00

4/14/08

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802796
Project:	Kuhlman Electric	**Date Collected:**	03/28/2008
Sample Matrix:	Water	**Date Received:**	04/01/2008

1,4-Dioxane by GC/MS

Sample Name:	KEP-GW-020B-003	**Units:**	ug/L
Lab Code:	K0802796-002	**Basis:**	NA
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	**0.64**		0.50	0.260	1	04/04/08	04/09/08	KWG0803108	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	62	55-100	04/09/08	Acceptable

Comments:

Exception Report

Data File: J:\MS20\DATA\040908\0409F007.D
Lab ID: K0802796-002
RunType: SMPL
Matrix: WATER

Date Acquired: 04/09/2008 13:26
Date Quantitated: 04/10/2008 08:55
Batch ID: KWG0803281
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: Jul 10/8

Secondary Review: CO 4/10/08

Quantitation Report

Bottle ID:		**Tier:**	III	**Matrix:**	WATER
Prod Code:	8270C SIM 14_DI	**Collect Date:**	03/28/2008	**Receive Date:**	04/01/2008

Analysis Lot:	KWG0803281	**Prep Lot:**	KWG0803108	**Report Group:**	K0802796
Analysis Method:	8270C SIM	**Prep Method:**	METHOD		
Prep Ref:	699169	**Prep Date:**	04/04/2008		

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\040908\0409F001.D	**Method ID:**	MJ402
MB Ref:	J:\MS20\DATA\040908\0409F003.D	**Quant based on Report List**	

Data File:	J:\MS20\DATA\040908\0409F007.D			**Instrument:**	MS20
Acqu Date:	04/09/2008 13:26	**Quant Date:**	04/10/2008 08:55	**Vial:**	27
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802796-002			**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	8.40	0.00?	152	86772**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	6.66	-0.01	0.00	96	44517**m**	61.72	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	6.68	-0.01	0.00	88	2270	2.57	0.64		

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\040908\0409F007.D Vial: 27
Acq On : 9 Apr 2008 13:26 Operator: JGISH
Sample : K0802796-002 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 08:53:01 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

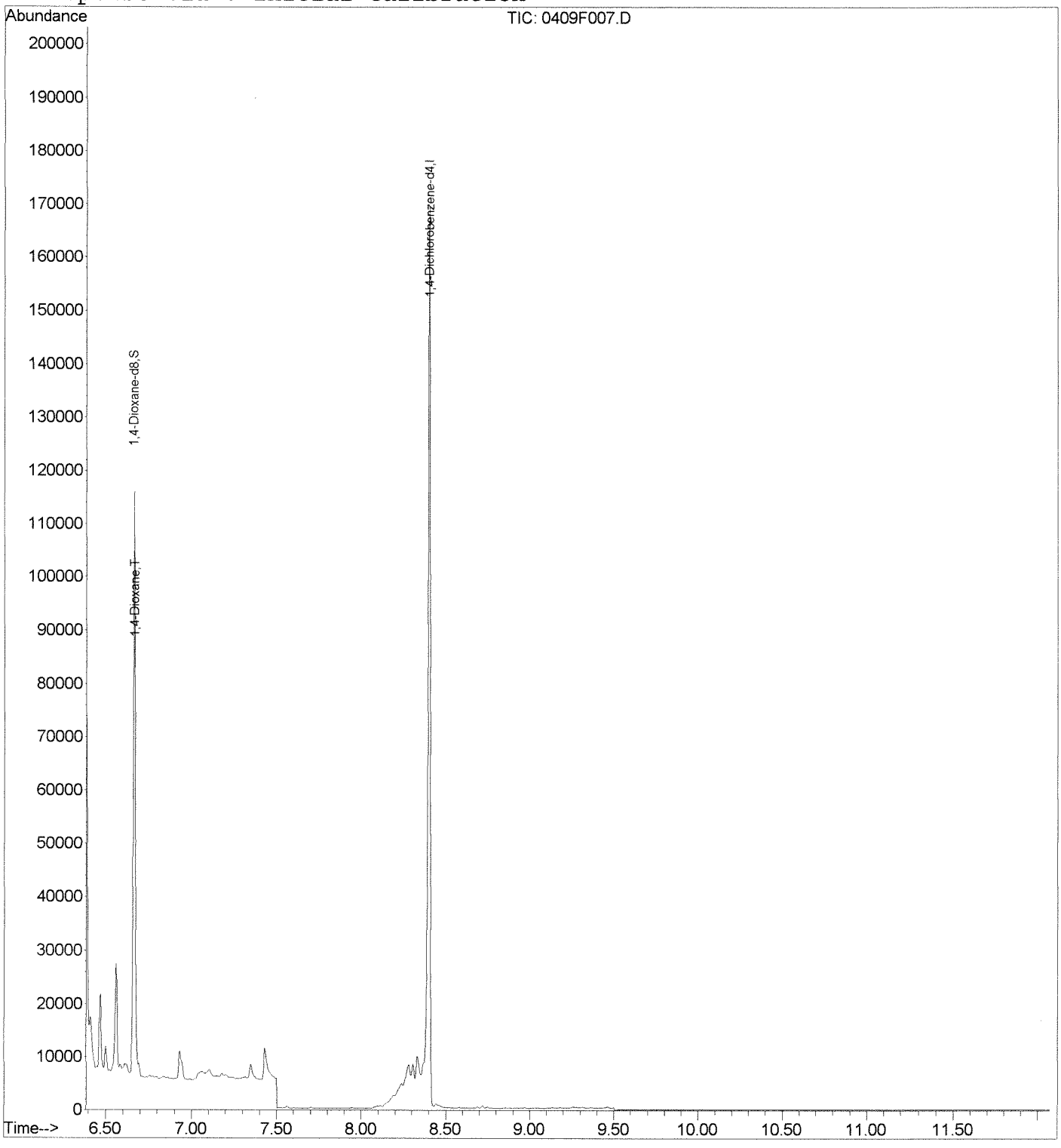
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	86772m	50.00	ng/ml	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.66	96	44517m	61.72	ng/ml	-0.03
Spiked Amount 50.000			Recovery =	123.44%		
5) NDMA-d6	0.00	80	0	0.00	ng/ml	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	6.68	88	2270	2.57	ng/ml	83

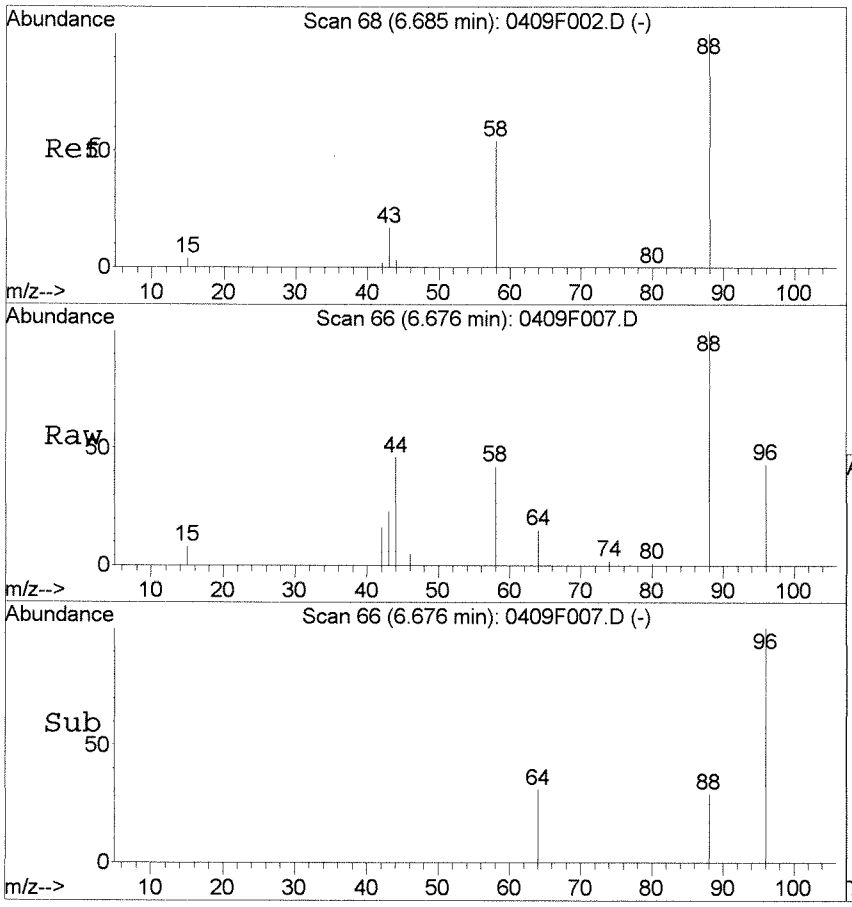
(#) = qualifier out of range (m) = manual integration
0409F007.D 0408DXNDMA.M Thu Apr 10 09:01:57 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040908\0409F007.D Vial: 27
Acq On : 9 Apr 2008 13:26 Operator: JGISH
Sample : K0802796-002 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 8:55 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

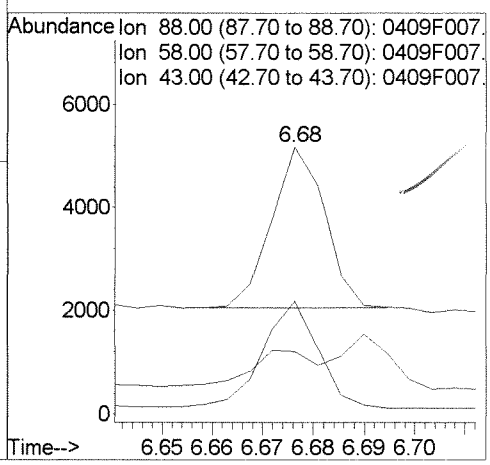




#2
1,4-Dioxane
Concen: 2.57 ng/ml
RT: 6.68 min Scan# 66
Delta R.T. -0.03 min
Lab File: 0409F007.D
Acq: 9 Apr 2008 13:26

Tgt Ion: 88 Resp: 2270

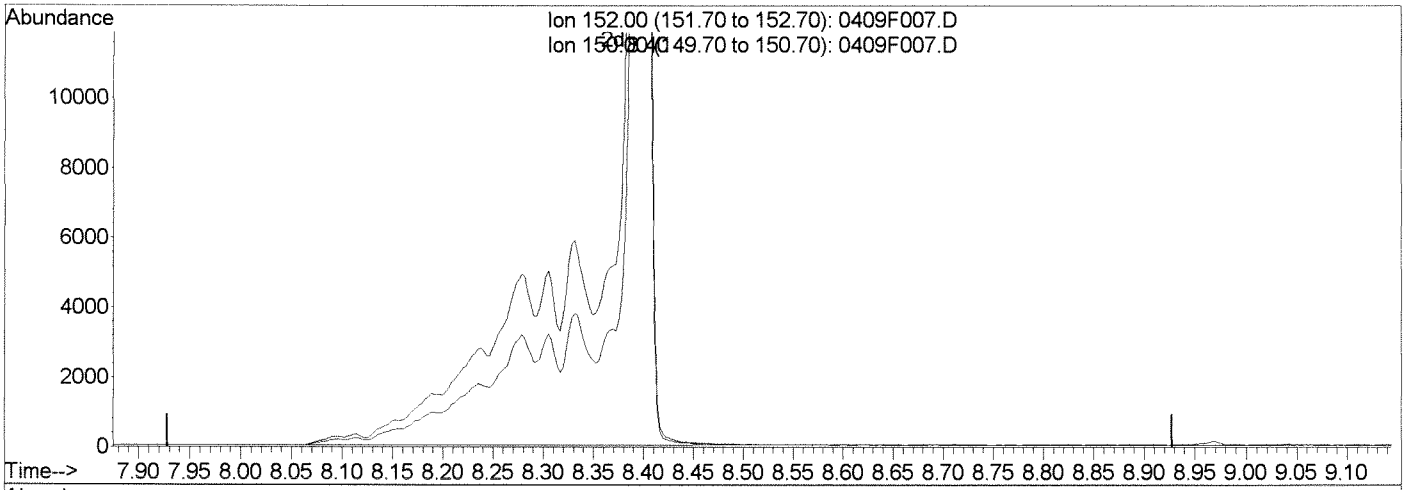
Ion	Ratio	Lower	Upper
88	100		
58	42.1	41.4	77.0
43	23.2	16.0	29.8

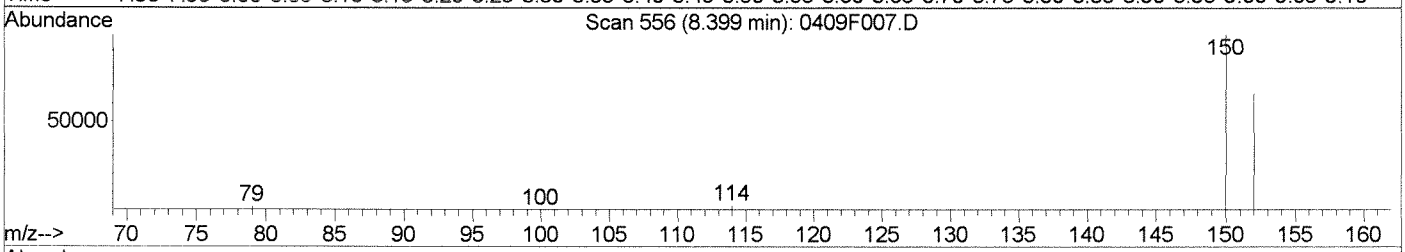


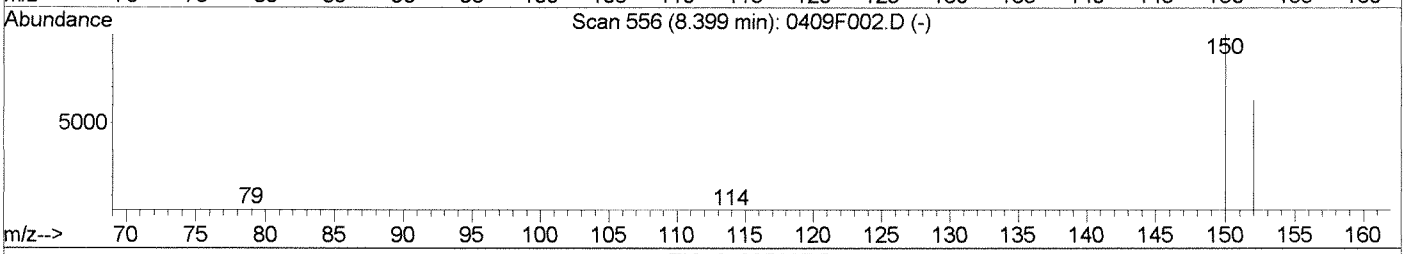
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040908\0409F007.D Vial: 27
Acq On : 9 Apr 2008 13:26 Operator: JGISH
Sample : K0802796-002 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 8:55 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: 0409F007.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.40min 50.00ng/ml m

response 86772

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	150.79
0.00	0.00	0.00
0.00	0.00	0.00

4/11/08 JC

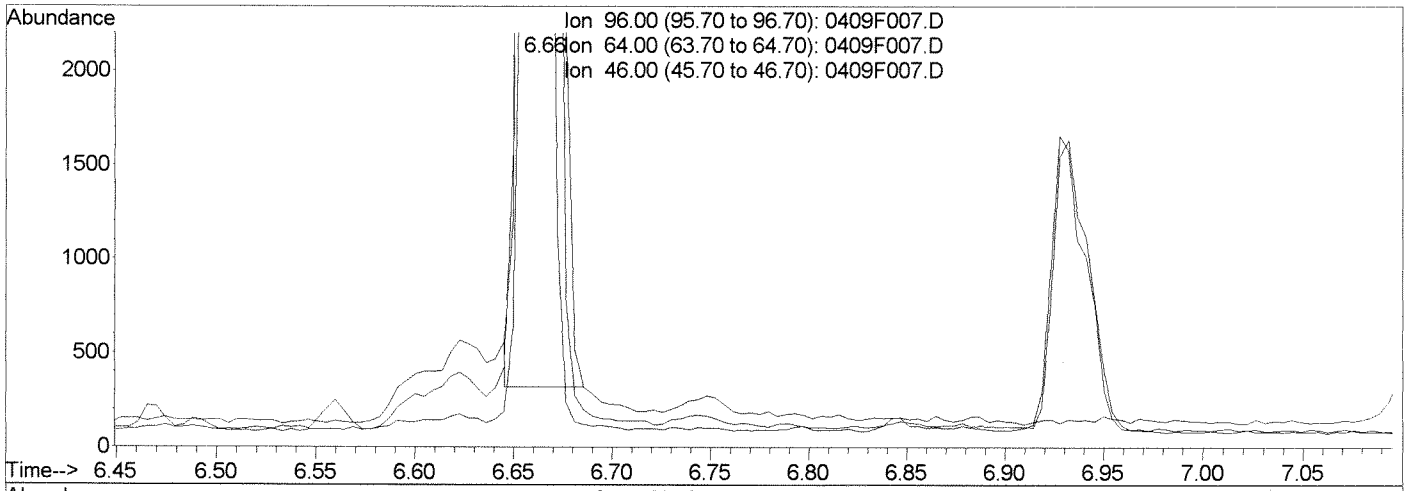
4/16/08

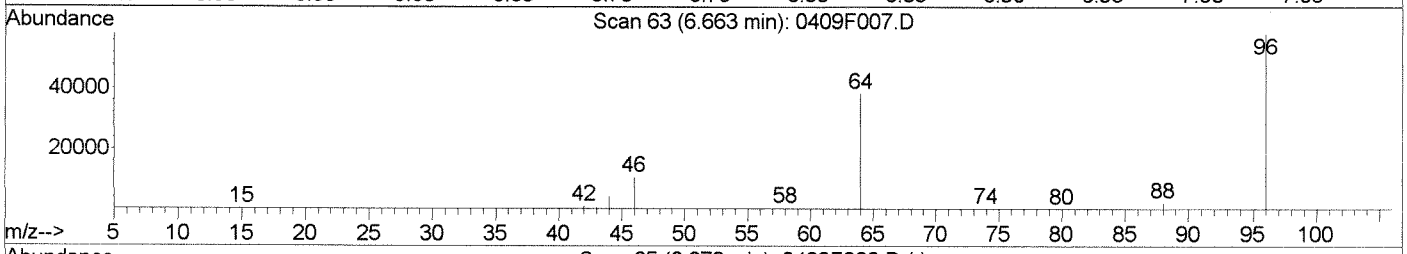
0409F007.D 0408DXNDMA.M Thu Apr 10 08:55:15 2008

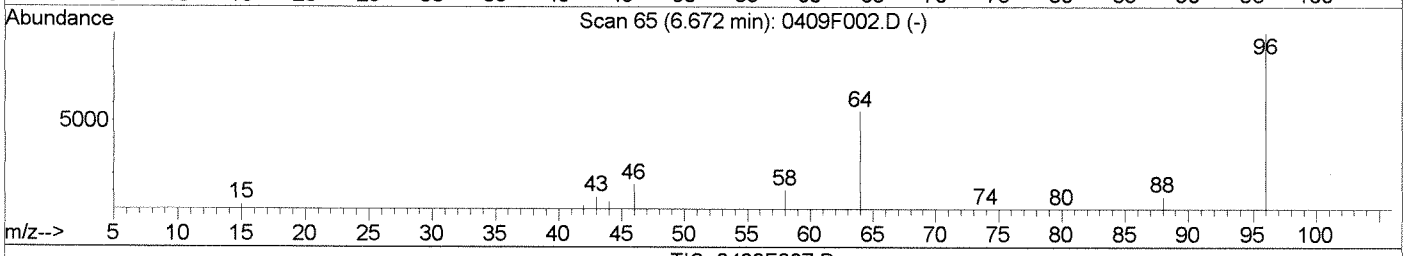
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040908\0409F007.D Vial: 27
Acq On : 9 Apr 2008 13:26 Operator: JGISH
Sample : K0802796-002 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 8:55 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: 0409F007.D

(3) 1,4-Dioxane-d8 (S)

6.66min 59.17ng/ml

response 42679

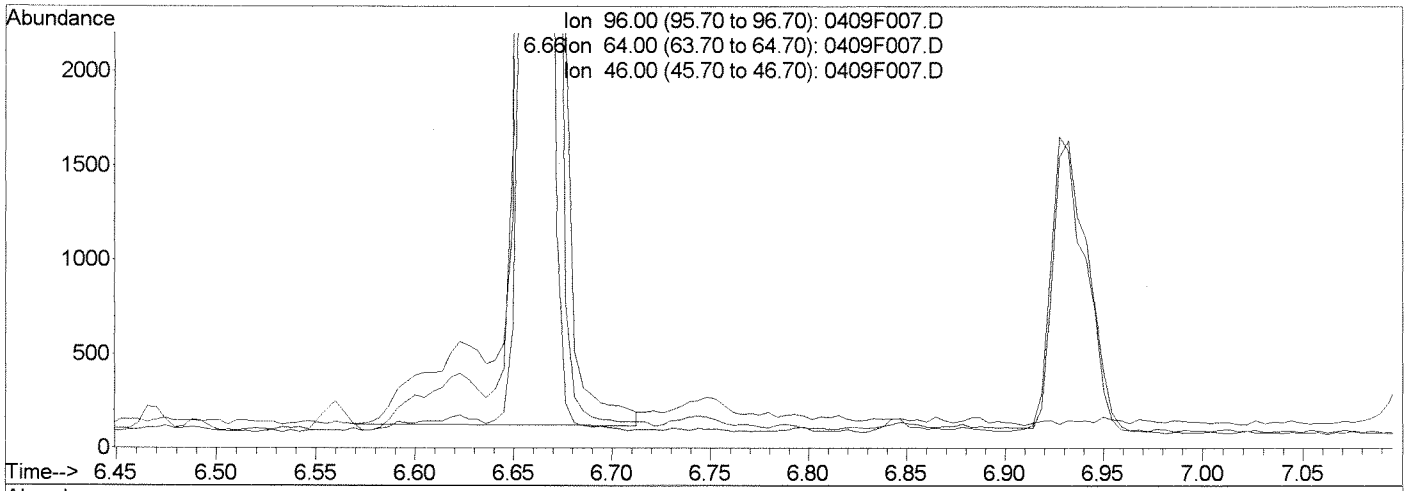
Ion	Exp%	Act%
96.00	100	100
64.00	60.90	65.85
46.00	16.70	18.07
0.00	0.00	0.00

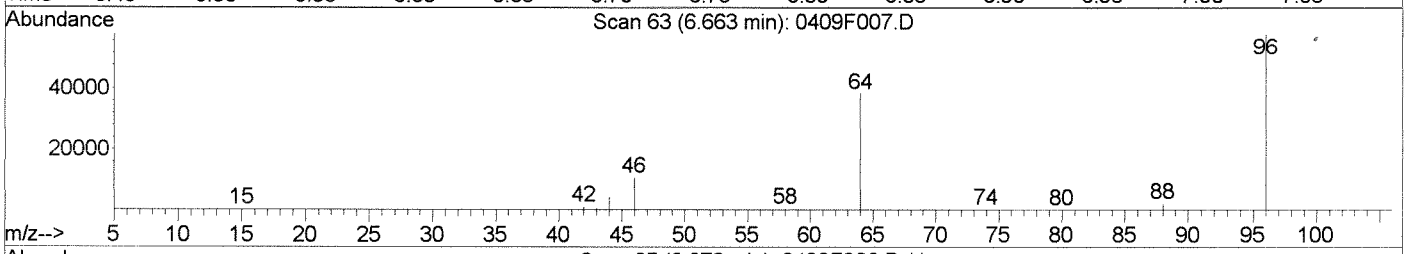
0409F007.D 0408DXNDMA.M Thu Apr 10 08:55:30 2008

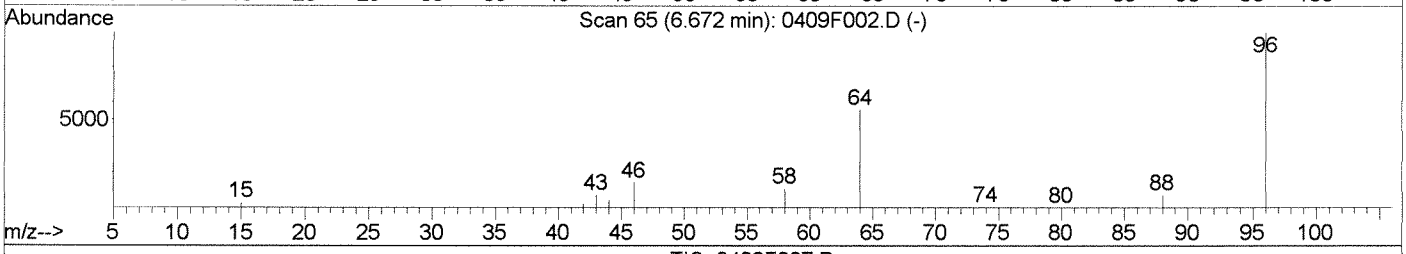
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040908\0409F007.D Vial: 27
Acq On : 9 Apr 2008 13:26 Operator: JGISH
Sample : K0802796-002 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 8:55 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: 0409F007.D

(3) 1,4-Dioxane-d8 (S)

6.66min 61.72ng/ml m

response 44517

Ion	Exp%	Act%
96.00	100	100
64.00	60.90	65.85
46.00	16.70	18.07
0.00	0.00	0.00

4/11/08

4/11/08

0409F007.D 0408DXNDMA.M Thu Apr 10 08:55:39 2008

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

Service Request: K0802796
Date Collected: 03/28/2008
Date Received: 04/01/2008

1,4-Dioxane by GC/MS

Sample Name: Duplcate 2
Lab Code: K0802796-003

Units: ug/L
Basis: NA

Extraction Method: METHOD
Analysis Method: 8270C SIM

Level: Low

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	04/04/08	04/09/08	KWG0803108	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	60	55-100	04/09/08	Acceptable

Comments:

Exception Report

Data File: J:\MS20\DATA\040908\0409F008.D
Lab ID: K0802796-003
RunType: SMPL
Matrix: WATER

Date Acquired: 04/09/2008 13:46
Date Quantitated: 04/10/2008 08:56
Batch ID: KWG0803281
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: 4/10/08

Secondary Review: 4/10/08

Quantitation Report

Bottle ID:		**Tier:**	III	**Matrix:**	WATER
Prod Code:	8270C SIM 14_DI	**Collect Date:**	03/28/2008	**Receive Date:**	04/01/2008

Analysis Lot:	KWG0803281	**Prep Lot:**	KWG0803108	**Report Group:**	K0802796
Analysis Method:	8270C SIM	**Prep Method:**	METHOD		
Prep Ref:	699170	**Prep Date:**	04/04/2008		

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\040908\0409F001.D	**Method ID:**	MJ402
MB Ref:	J:\MS20\DATA\040908\0409F003.D	**Quant based on Report List**	

Data File:	J:\MS20\DATA\040908\0409F008.D			**Instrument:**	MS20
Acqu Date:	04/09/2008 13:46	**Quant Date:**	04/10/2008 08:56	**Vial:**	28
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K0802796-003			**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	8.43	0.03?	152	89528**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	44493**m**	59.79	60	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	0.01	0.00	88	873	0.9600	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\040908\0409F008.D Vial: 28
Acq On : 9 Apr 2008 13:46 Operator: JGISH
Sample : K0802796-003 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 08:53:01 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

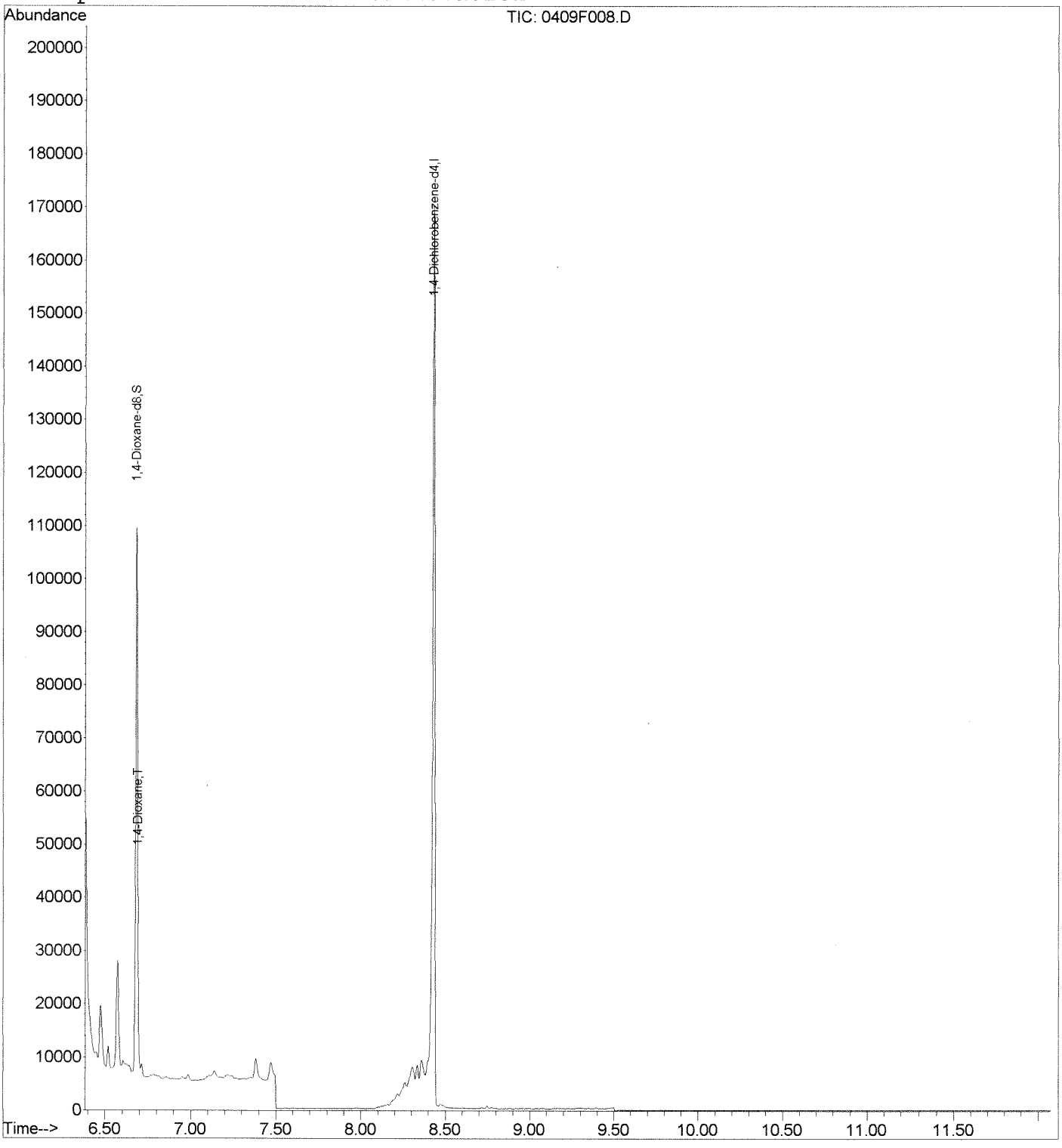
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	89528m	50.00	ng/ml	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.68	96	44493m	59.79	ng/ml	0.00
Spiked Amount 50.000			Recovery =	119.58%		
5) NDMA-d6	0.00	80	0	0.00	ng/ml	
Spiked Amount 50.000			Recovery =	0.00%		
Target Compounds						Qvalue
2) 1,4-Dioxane	6.70	88	873	0.96	ng/ml#	62

(#) = qualifier out of range (m) = manual integration
0409F008.D 0408DXNDMA.M Thu Apr 10 09:01:59 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040908\0409F008.D Vial: 28
Acq On : 9 Apr 2008 13:46 Operator: JGISH
Sample : K0802796-003 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 8:56 2008 Quant Results File: 0408DXNDMA.R

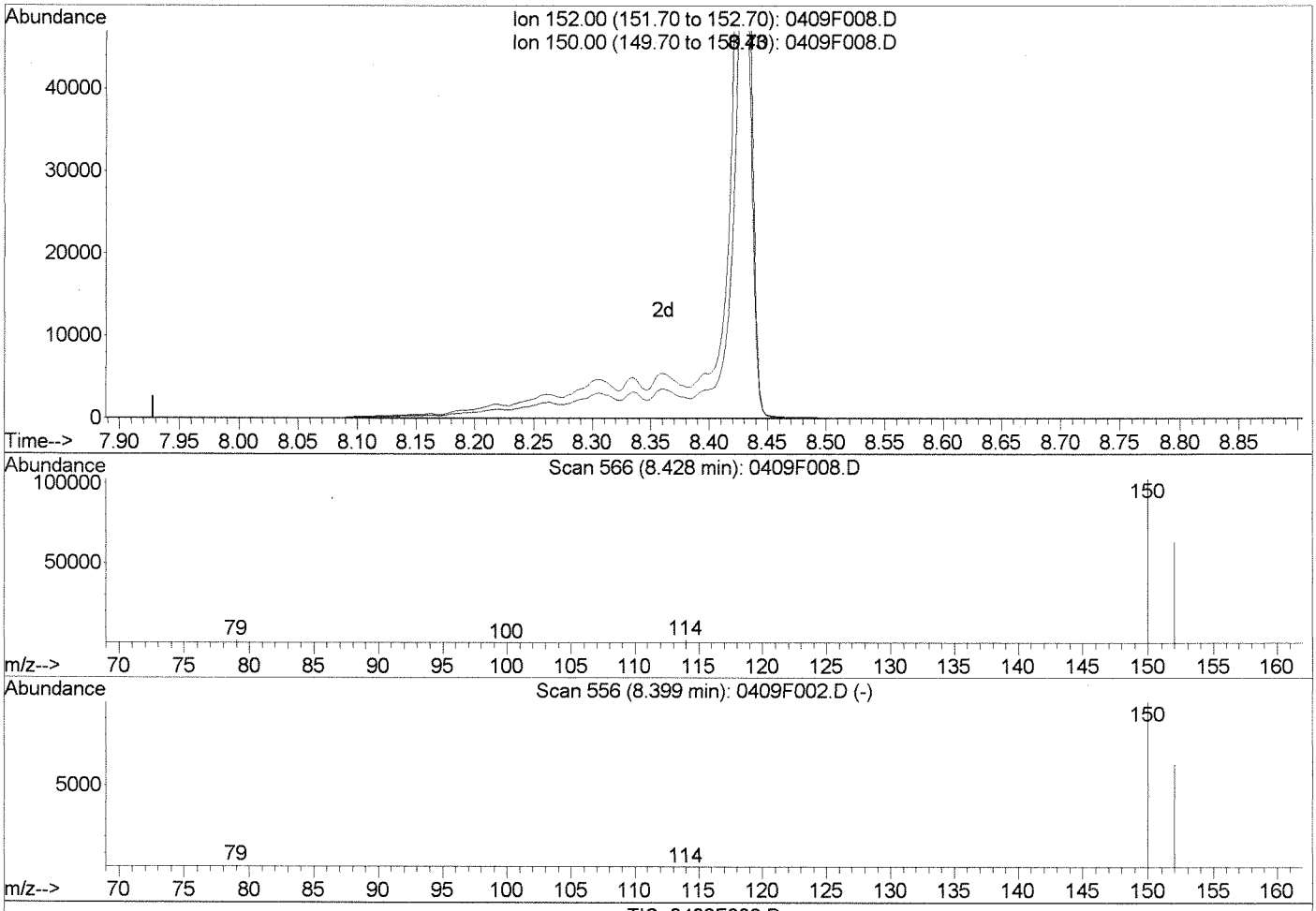
Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040908\0409F008.D Vial: 28
Acq On : 9 Apr 2008 13:46 Operator: JGISH
Sample : K0802796-003 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 8:55 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: 0409F008.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.43min 50.00ng/ml m

response 89528

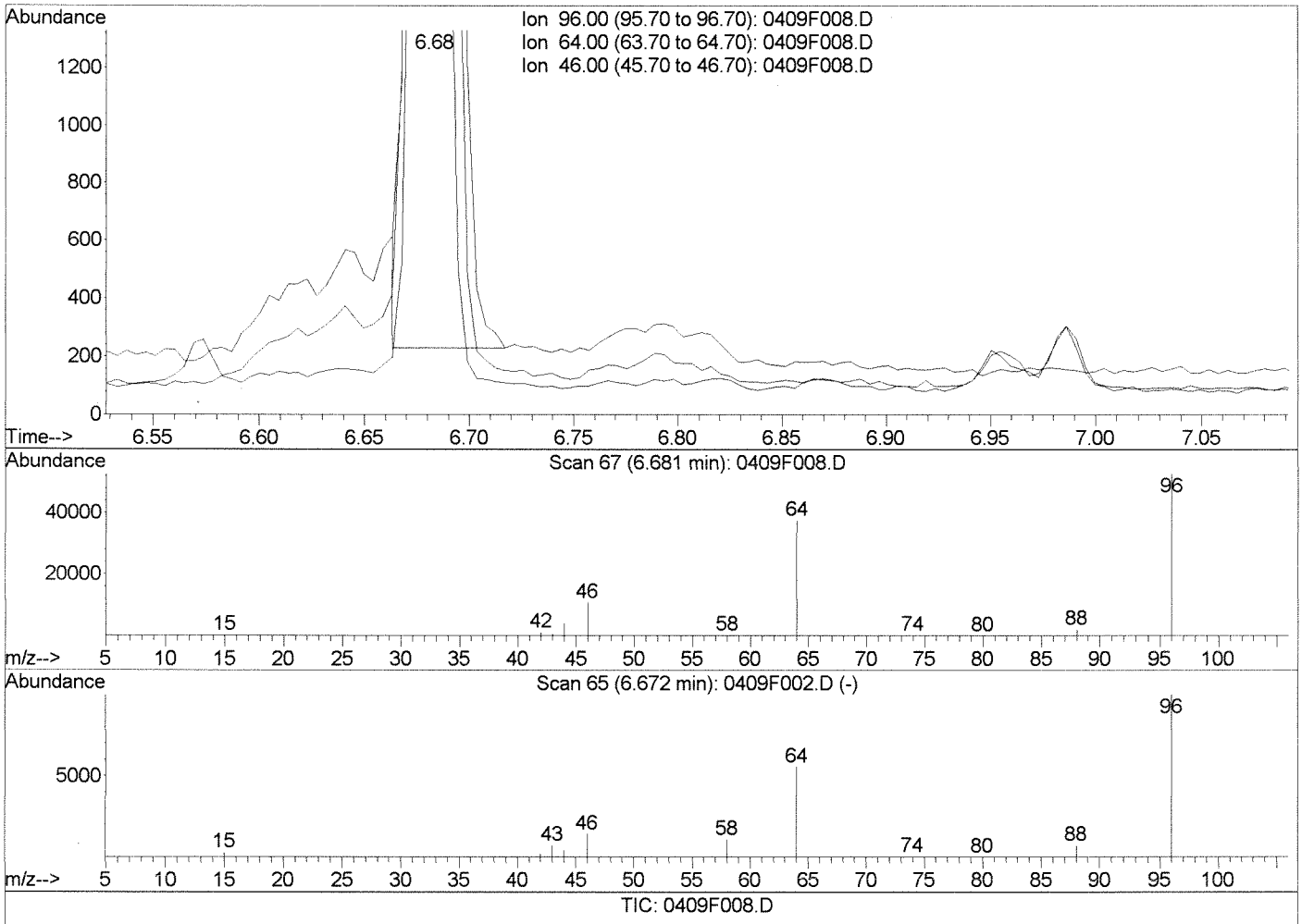
Ion	Exp%	Act%
152.00	100	100
150.00	154.80	160.91
0.00	0.00	0.00
0.00	0.00	0.00

0409F008.D 0408DXNDMA.M Thu Apr 10 08:55:59 2008

Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040908\0409F008.D Vial: 28
Acq On : 9 Apr 2008 13:46 Operator: JGISH
Sample : K0802796-003 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 8:55 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: 0409F008.D

(3) 1,4-Dioxane-d8 (S)

6.68min 58.15ng/ml

response 43271

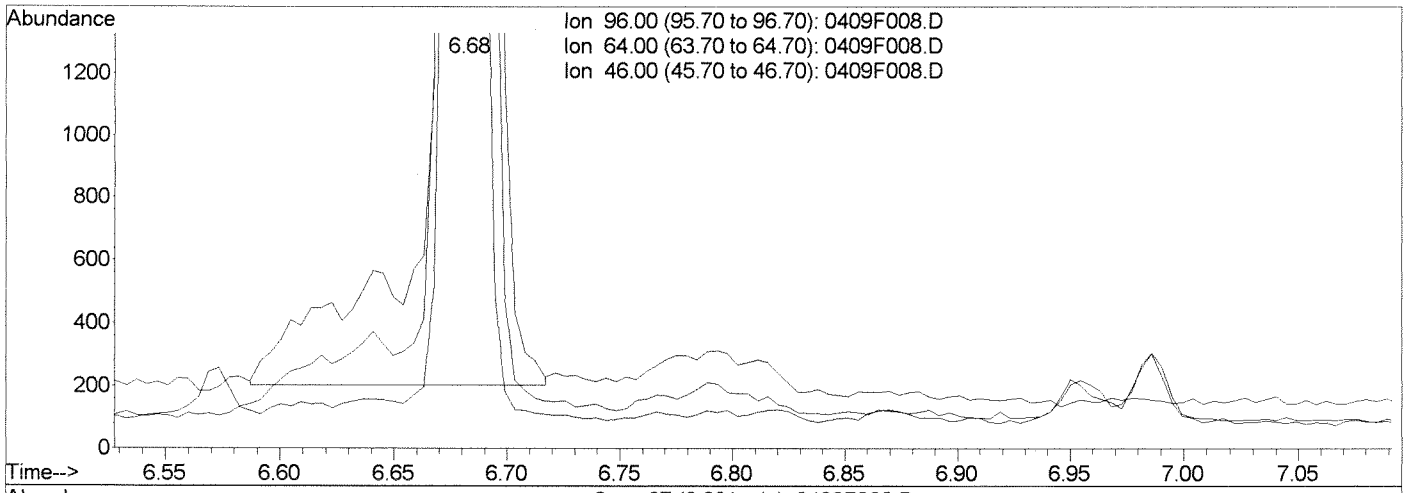
Ion	Exp%	Act%
96.00	100	100
64.00	60.90	71.07
46.00	16.70	20.37
0.00	0.00	0.00

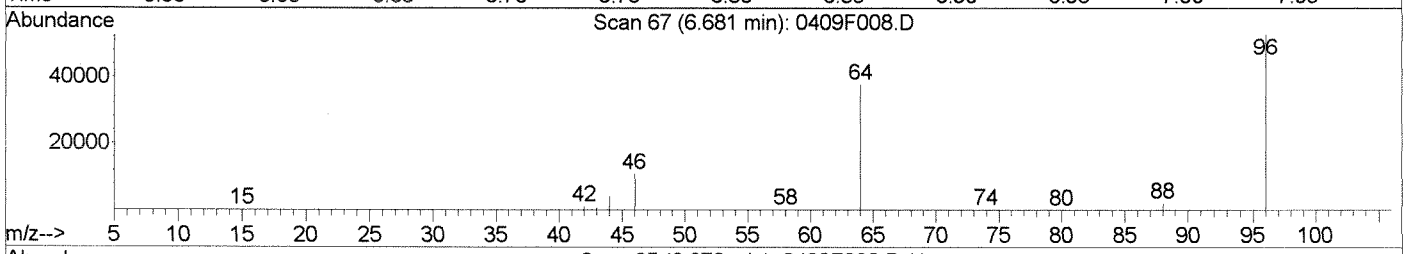
0409F008.D 0408DXNDMA.M Thu Apr 10 08:56:14 2008

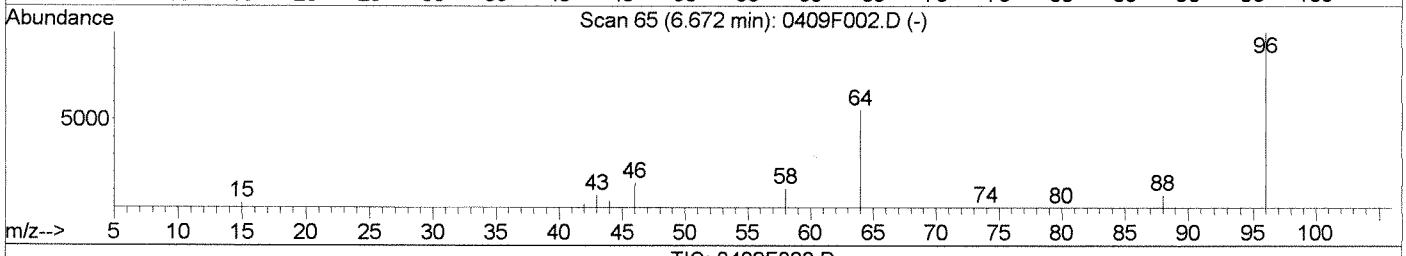
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040908\0409F008.D Vial: 28
Acq On : 9 Apr 2008 13:46 Operator: JGISH
Sample : K0802796-003 Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 8:56 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: 0409F008.D

(3) 1,4-Dioxane-d8 (S)

6.68min 59.79ng/ml m

response 44493

Ion	Exp%	Act%
96.00	100	100
64.00	60.90	71.07
46.00	16.70	20.37
0.00	0.00	0.00

4/16/08 IC

4/16/08 S

0409F008.D 0408DXNDMA.M Thu Apr 10 08:56:26 2008

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802796
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:	KWG0803108-3	**Basis:**	NA
Extraction Method:	METHOD	**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	04/04/08	04/09/08	KWG0803108	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	63	55-100	04/09/08	Acceptable

Comments:

Exception Report

Data File: J:\MS20\DATA\040908\0409F003.D
Lab ID: KWG0803108-3
RunType: MB
Matrix: WATER

Date Acquired: 04/09/2008 12:08
Date Quantitated: 04/09/2008 12:30
Batch ID: KWG0803281
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 2796
2820

Primary Review: 4/10/8
Secondary Review: 4/16/08

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8270C SIM 14_DI	**Collect Date:**		**Receive Date:**	04/08/2008

Analysis Lot:	KWG0803281	**Prep Lot:**	KWG0803108	**Report Group:**	
Analysis Method:	8270C SIM	**Prep Method:**	METHOD		
Prep Ref:	699175	**Prep Date:**	04/04/2008		

Quant Method:	J:\MS20\METHODS\0408DXNDMA.M	**Calibration ID:**	CAL7233
Title:			
Tune Ref:	J:\MS20\DATA\040908\0409F001.D	**Method ID:**	MJ402
MB Ref:		**Quant based on Method**	

Data File:	J:\MS20\DATA\040908\0409F003.D			**Instrument:**	MS20
Acqu Date:	04/09/2008 12:08	**Quant Date:**	04/09/2008 12:30	**Vial:**	23
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG0803108-3			**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	8.43	0.03?	152	87574**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	6.70	0.03	0.00	96	45697	62.78	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				88	0**d**		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\040908\0409F003.D Vial: 23
Acq On : 9 Apr 2008 12:08 Operator: JGISH
Sample : KWG0803108-MB Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 09 12:30:32 2008 Quant Results File: 0408DXNDMA.RES

Quant Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 12:30:22 2008
Response via : Initial Calibration
DataAcq Meth : DIOXNDMA

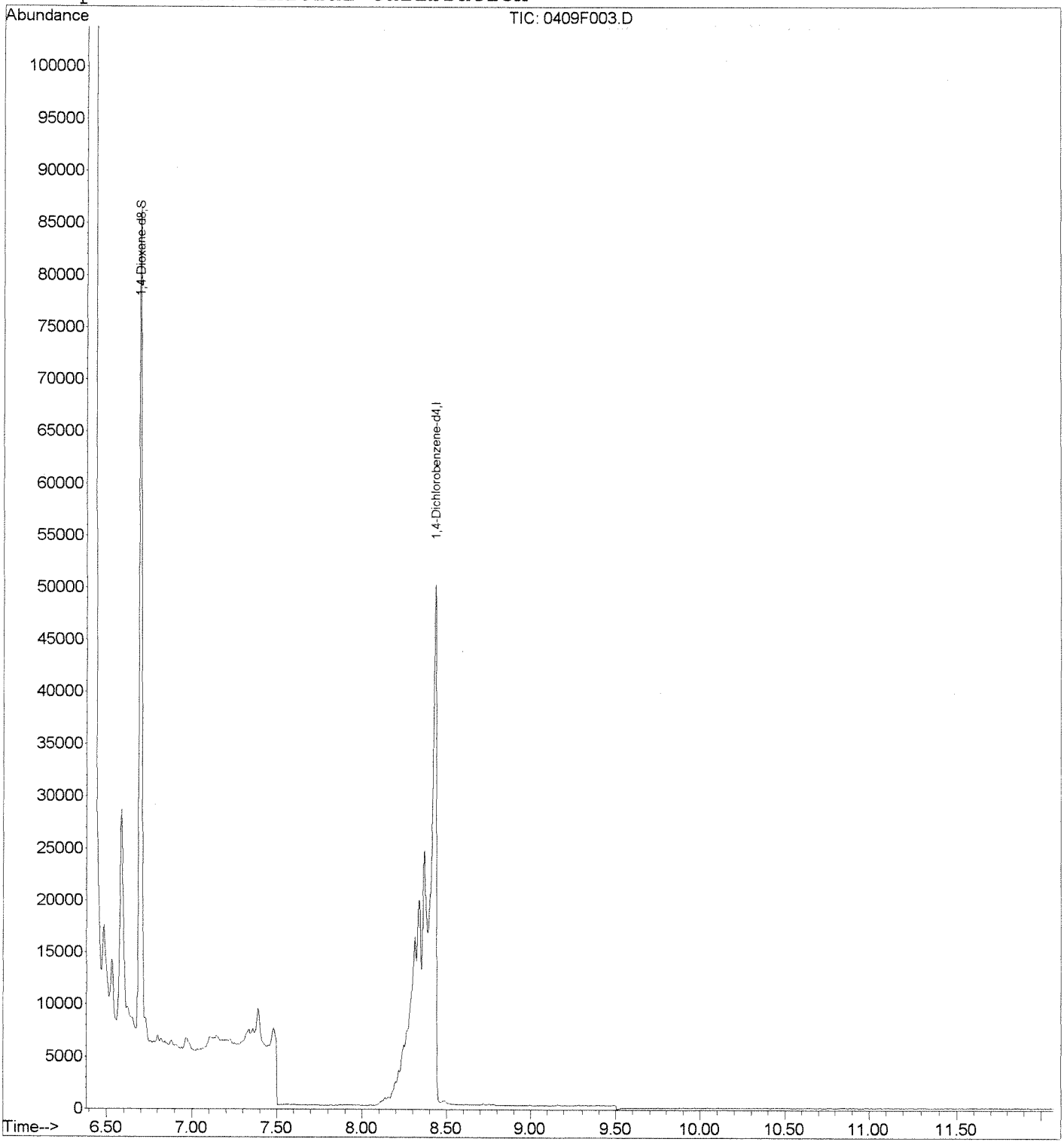
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	87574m	50.00	ng/ml	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.70	96	45697	62.78	ng/ml	0.00
Spiked Amount 50.000			Recovery = 125.56%			
5) NDMA-d6	0.00	80	0	0.00	ng/ml	
Spiked Amount 50.000			Recovery = 0.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration
0409F003.D 0408DXNDMA.M Thu Apr 10 09:01:26 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040908\0409F003.D Vial: 23
Acq On : 9 Apr 2008 12:08 Operator: JGISH
Sample : KWG0803108-MB Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 12:30 2008 Quant Results File: 0408DXNDMA.R

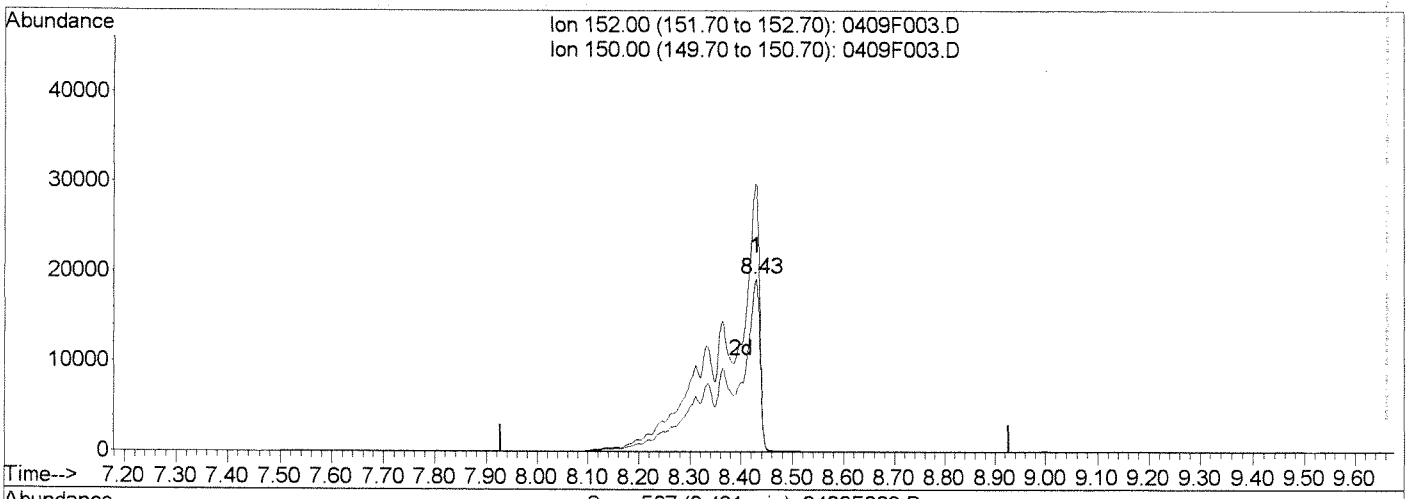
Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Initial Calibration

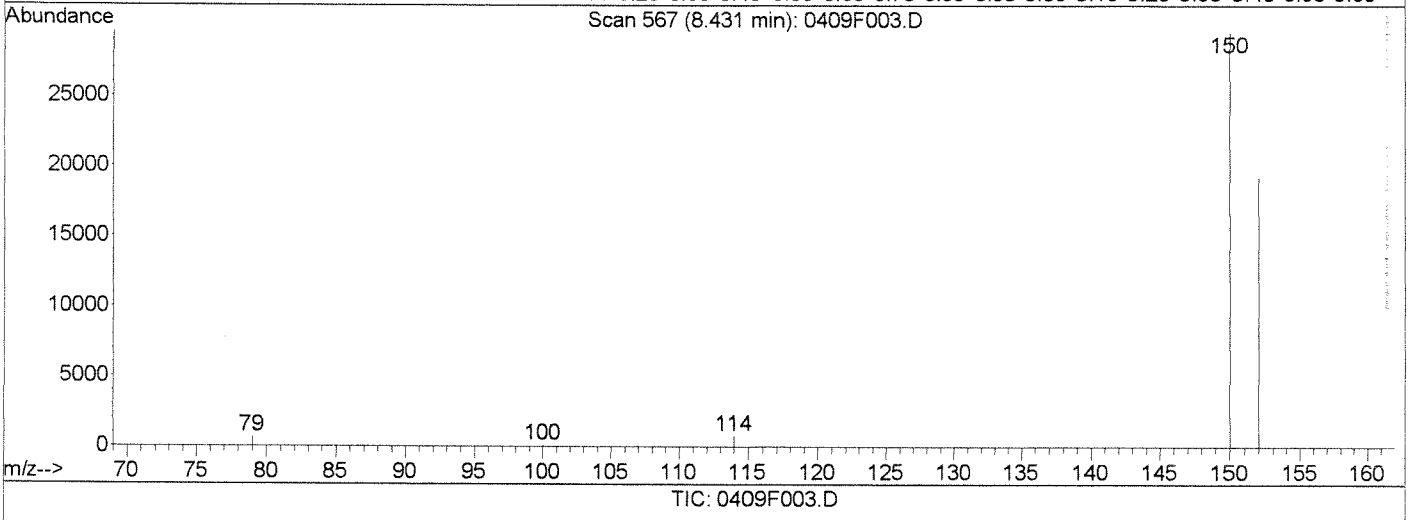


Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040908\0409F003.D Vial: 23
Acq On : 9 Apr 2008 12:08 Operator: JGISH
Sample : KWG0803108-MB Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 12:30 2008 Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 12:30:22 2008
Response via : Multiple Level Calibration





TIC: 0409F003.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.43min 50.00ng/ml m

response 87574

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	153.96
0.00	0.00	0.00
0.00	0.00	0.00

incoming late 4/8/08 S 4/16/08

0409F003.D 0408DXNDMA.M Wed Apr 09 12:30:43 2008

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802796
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:	KWG0803108-1	**Basis:**	NA
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	**16.0**		0.50	0.260	1	04/04/08	04/09/08	KWG0803108	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	56	55-100	04/09/08	Acceptable

Comments:

Exception Report

Data File: J:\MS20\DATA\040908\0409F004.D
Lab ID: KWG0803108-1
RunType: LCS
Matrix: WATER

Date Acquired: 04/09/2008 12:27
Date Quantitated: 04/10/2008 08:53
Batch ID: KWG0803281
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	

K 2796
2880

K000 2796
2880

Primary Review: 4/10/8

Secondary Review: CO 4/10/08

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8270C SIM 14_DI	**Collect Date:**		**Receive Date:**	04/08/2008

Analysis Lot:	KWG0803281	**Prep Lot:**	KWG0803108	**Report Group:**	
Analysis Method:	8270C SIM	**Prep Method:**	METHOD		
Prep Ref:	699173	**Prep Date:**	04/04/2008		

Quant Method:	J:\MS20\METHODS\0408DXNDMA.M	**Calibration ID:**	CAL7233
Title:			
Tune Ref:	J:\MS20\DATA\040908\0409F001.D	**Method ID:**	MJ402
MB Ref:	J:\MS20\DATA\040908\0409F003.D	**Quant based on Method**	

Data File:	J:\MS20\DATA\040908\0409F004.D			**Instrument:**	MS20
Acqu Date:	04/09/2008 12:27	**Quant Date:**	04/10/2008 08:53	**Vial:**	24
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG0803108-1			**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	8.39	-0.01?	152	89704**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	41872	56.16	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	6.66	-0.03	0.00	88	58585	64.17	16.0		

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\040908\0409F004.D Vial: 24
Acq On : 9 Apr 2008 12:27 Operator: JGISH
Sample : KWG0803108-LCS Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 08:53:00 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	8.39	152	89704m	50.00	ng/ml	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.65	96	41872	56.16	ng/ml	-0.04
Spiked Amount 50.000			Recovery =	112.32%		
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	58585	64.17	ng/ml	92

(#) = qualifier out of range (m) = manual integration
0409F004.D 0408DXNDMA.M Thu Apr 10 09:01:27 2008 Page 1

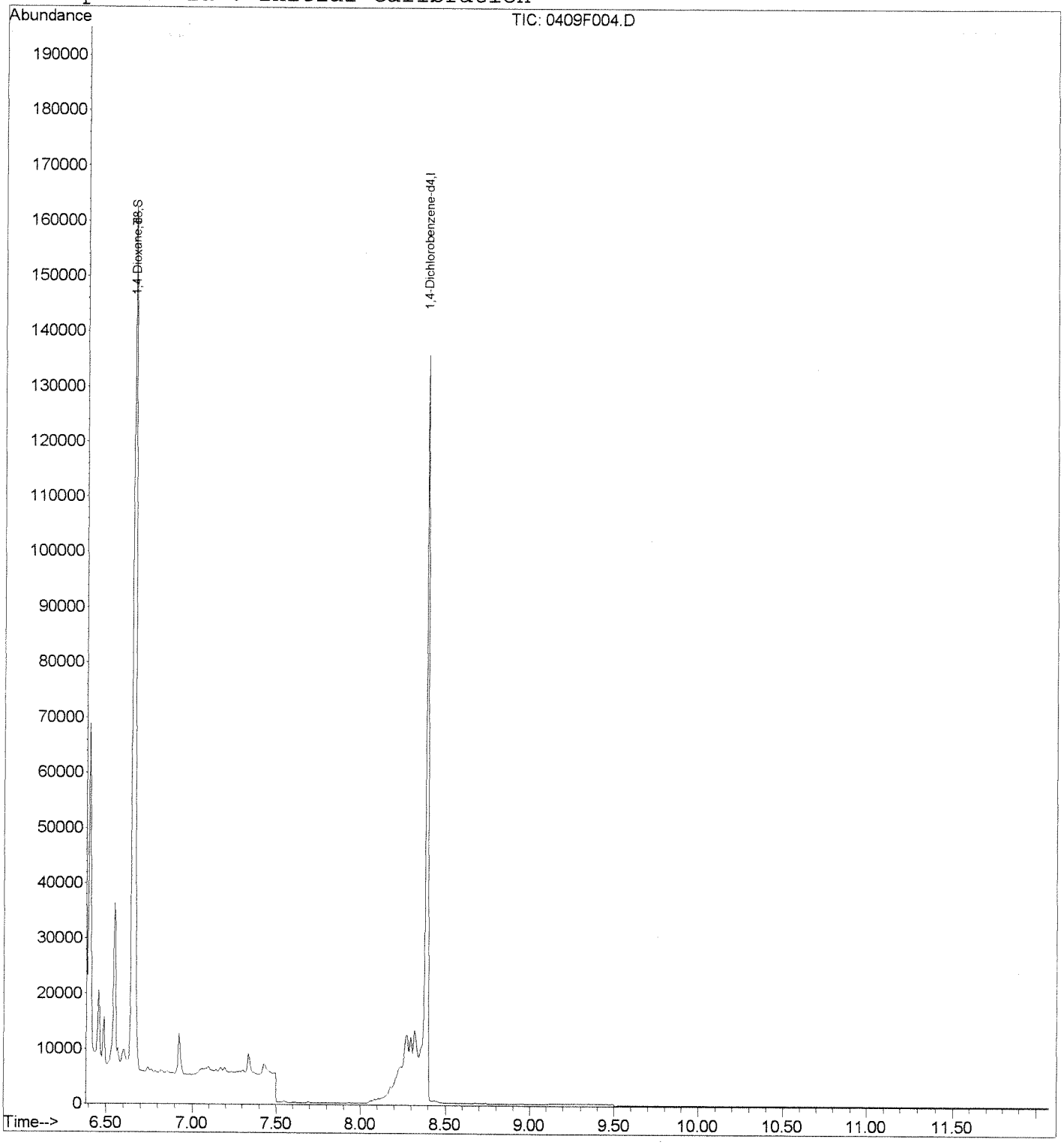
Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040908\0409F004.D
Acq On : 9 Apr 2008 12:27
Sample : KWG0803108-LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 10 8:53 2008

Vial: 24
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



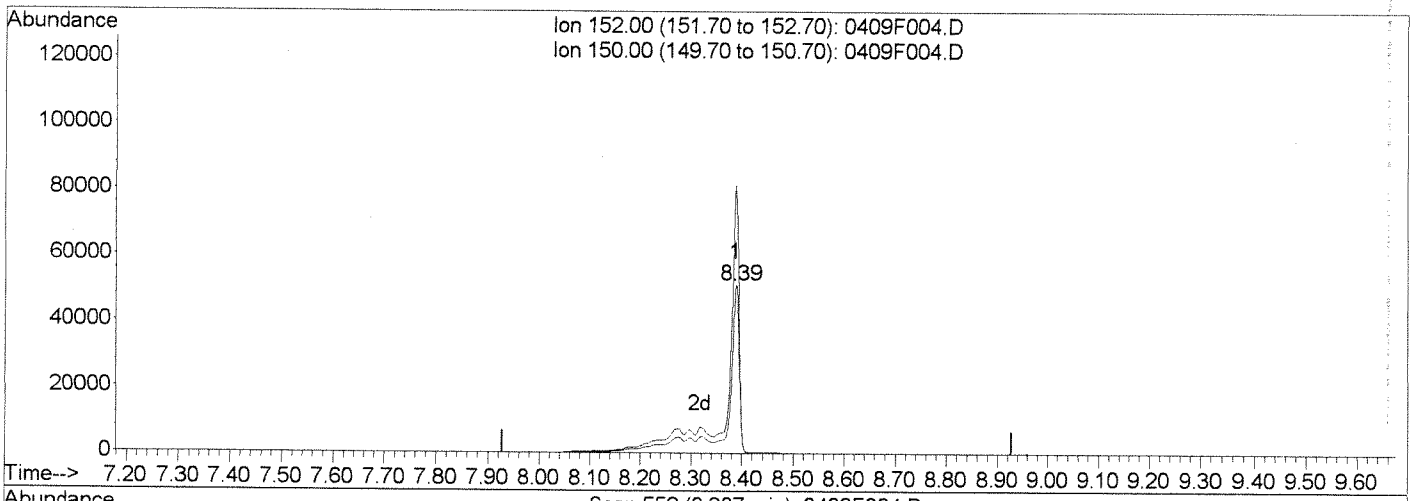
Quantitation Report (Qedit)

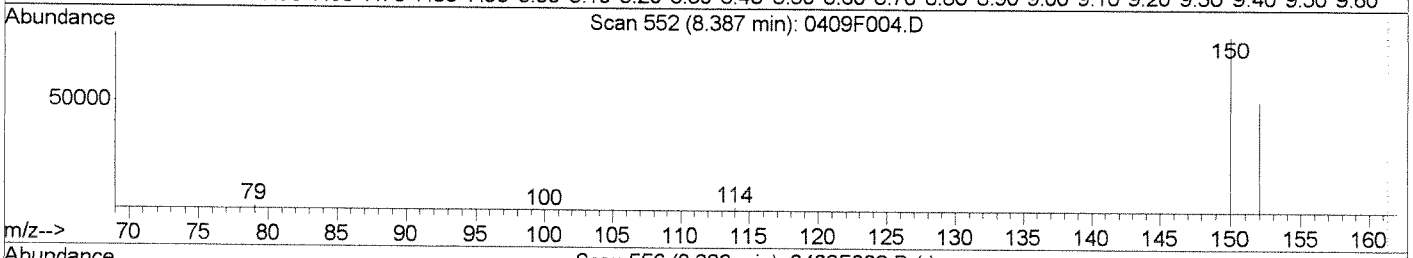
Data File : J:\MS20\DATA\040908\0409F004.D
Acq On : 9 Apr 2008 12:27
Sample : KWG0803108-LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 10 8:53 2008

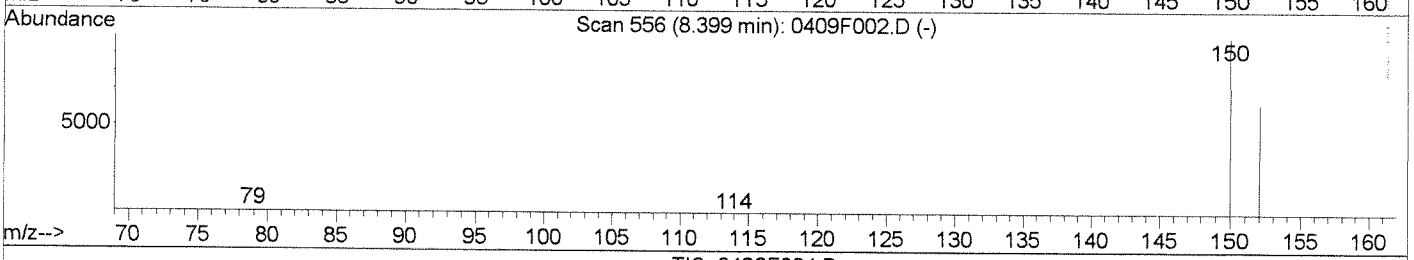
Vial: 24
Operator: JGISH
Inst : MS20
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Multiple Level Calibration







TIC: 0409F004.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.39min 50.00ng/ml m

response 89704

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	159.51
0.00	0.00	0.00
0.00	0.00	0.00

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0409F004.D 0408DXNDMA.M Thu Apr 10 08:53:35 2008

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Environmental Chemistry Consulting Servi	**Service Request:**	K0802796
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:	KWG0803108-2	**Basis:**	NA
Extraction Method:	METHOD	**Level:**	Low
Analysis Method:	8270C SIM		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
1,4-Dioxane	**17.6**		0.50	0.260	1	04/04/08	04/09/08	KWG0803108	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
1,4-Dioxane-d8	63	55-100	04/09/08	Acceptable

Comments:

Exception Report

Data File: J:\MS20\DATA\040908\0409F005.D
Lab ID: KWG0803108-2
RunType: DLCS
Matrix: WATER

Date Acquired: 04/09/2008 12:46
Date Quantitated: 04/10/2008 08:54
Batch ID: KWG0803281
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	

K080796
2820

Primary Review: JH 4/10/08

Secondary Review: on 4/16/08

Printed: 04/10/2008 09:57:25
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:	KWG0803281	**Prep Lot:**	KWG0803108	**Report Group:**	
Analysis Method:	8270C SIM	**Prep Method:**	METHOD		
Prep Ref:	699174	**Prep Date:**	04/04/2008		

Quant Method:	J:\MS20\METHODS\0408DXNDMA.M	**Calibration ID:**	CAL7233
Title:			
Tune Ref:	J:\MS20\DATA\040908\0409F001.D	**Method ID:**	MJ402
MB Ref:	J:\MS20\DATA\040908\0409F003.D	**Quant based on Method**	

Data File:	J:\MS20\DATA\040908\0409F005.D			**Instrument:**	MS20
Acqu Date:	04/09/2008 12:46	**Quant Date:**	04/10/2008 08:54	**Vial:**	25
Run Type:	DLCS			**Dilution:**	1.0
Lab ID:	KWG0803108-2			**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	8.42	0.02?	152	88375**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	45959	62.57	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		0.00	88	63355	70.44	17.6		

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\040908\0409F005.D Vial: 25
Acq On : 9 Apr 2008 12:46 Operator: JGISH
Sample : KWG0803108-DLCS Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 08:53:00 2008 Quant Results File: 0408DXNDMA.RES

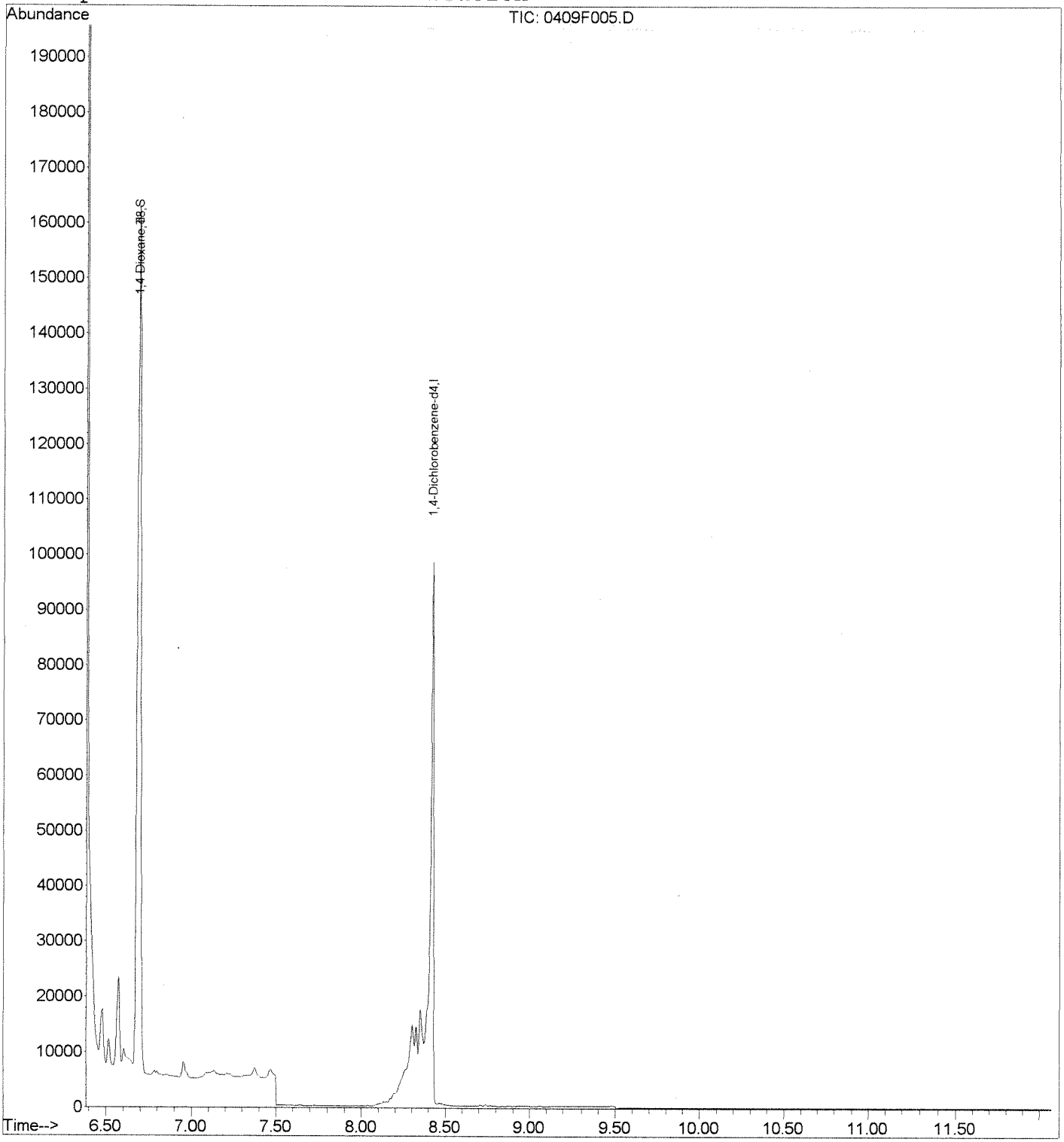
Quant Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Initial Calibration
DataAcq Meth : DIOXNDMA

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	88375m	50.00	ng/ml	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.68	96	45959	62.57	ng/ml	0.00
Spiked Amount 50.000			Recovery = 125.14%			
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	63355	70.44	ng/ml	98

(#) = qualifier out of range (m) = manual integration
0409F005.D 0408DXNDMA.M Thu Apr 10 09:01:28 2008 Page 1

Data File : J:\MS20\DATA\040908\0409F005.D Vial: 25
Acq On : 9 Apr 2008 12:46 Operator: JGISH
Sample : KWG0803108-DLCS Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 8:54 2008 Quant Results File: 0408DXNDMA.R

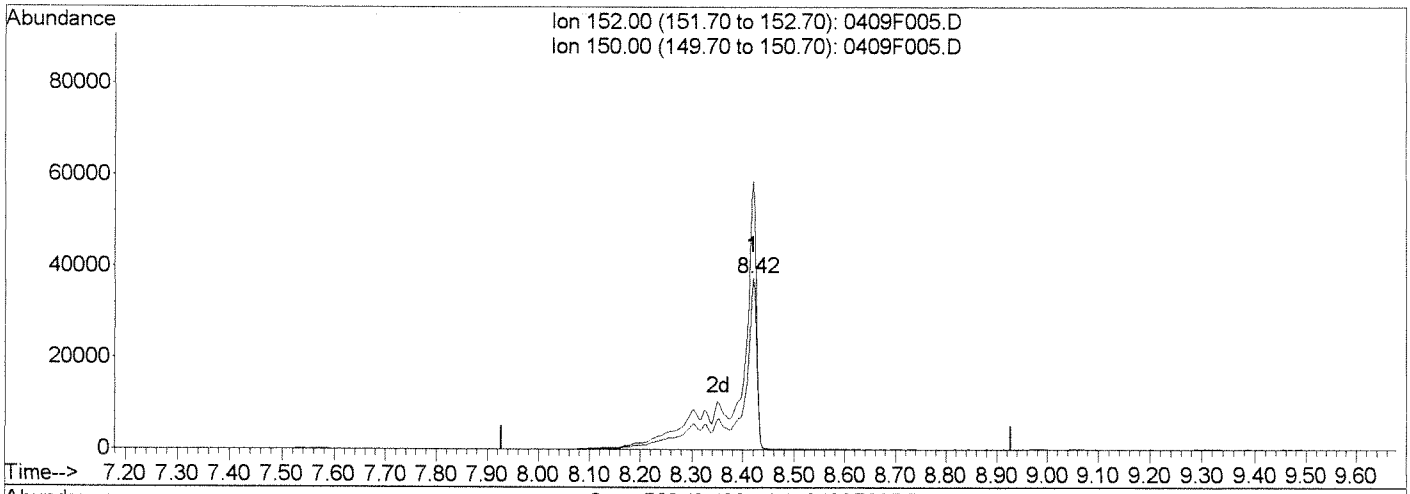
Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 09:13:57 2008
Response via : Initial Calibration

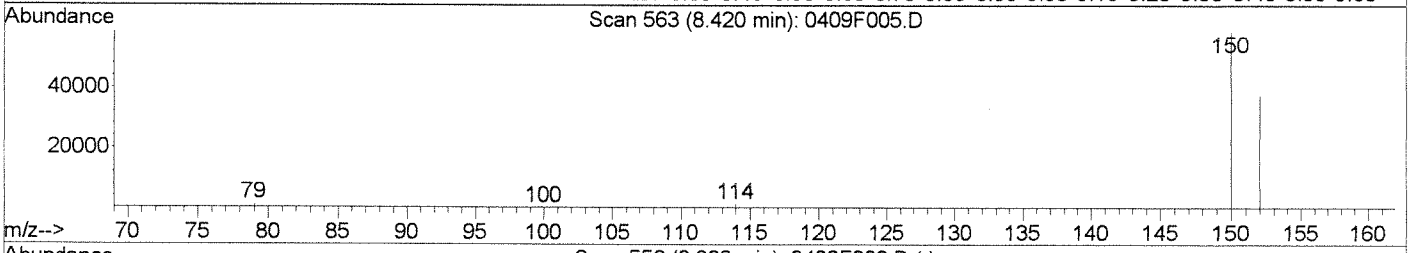


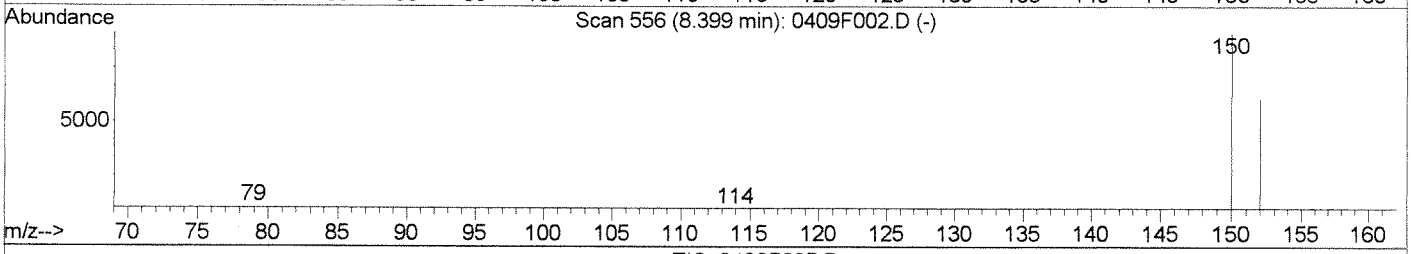
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040908\0409F005.D Vial: 25
Acq On : 9 Apr 2008 12:46 Operator: JGISH
Sample : KWG0803108-DLCS Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 10 8:53 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: 0409F005.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.42min 50.00ng/ml m

response 88375

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	156.35
0.00	0.00	0.00
0.00	0.00	0.00

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4/16/08 9

0409F005.D 0408DXNDMA.M Thu Apr 10 08:54:00 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: K0802796
Date Analyzed: 04/09/2008
Time Analyzed: 11:24

Tune Summary
1,4-Dioxane by GC/MS

File ID: J:\MS20\DATA\040908\0409F001.D
Instrument ID: MS20
Column:

Analysis Method: 8270C SIM
Analysis Lot: KWG0803281

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	10	80	24.9	242646	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	31.5	307150	PASS
70	69	0	2	0.5	1565	PASS
127	198	10	80	42.8	416981	PASS
197	198	0	2	0.0	0	PASS
198	442	30	100	48.6	974741	PASS
199	198	5	9	6.9	67365	PASS
275	198	10	60	31.5	307242	PASS
365	442	1	50	2.1	42482	PASS
441	443	0	100	87.1	363242	PASS
442	442	100	100	100.0	2003626	PASS
443	442	15	24	20.8	417173	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG0803281-2	J:\MS20\DATA\040908\0409F002.D	04/09/2008	11:48	
Method Blank	KWG0803108-3	J:\MS20\DATA\040908\0409F003.D	04/09/2008	12:08	
Lab Control Sample	KWG0803108-1	J:\MS20\DATA\040908\0409F004.D	04/09/2008	12:27	
Duplicate Lab Control Sample	KWG0803108-2	J:\MS20\DATA\040908\0409F005.D	04/09/2008	12:46	
KEP-GW-020A-003	K0802796-001	J:\MS20\DATA\040908\0409F006.D	04/09/2008	13:05	
KEP-GW-020B-003	K0802796-002	J:\MS20\DATA\040908\0409F007.D	04/09/2008	13:26	
Duplcate 2	K0802796-003	J:\MS20\DATA\040908\0409F008.D	04/09/2008	13:46	

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

Exception Report

Data File: J:\MS20\DATA\040908\0409F001.D
Lab ID: KWG0803281-1
RunType: DFTPP
Matrix: WATER

Date Acquired: 04/09/2008 11:24
Date Quantitated:
Batch ID: KWG0803281
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: 4/10/08

Secondary Review: 04/10/08

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8270C SIM 14_DI	**Collect Date:**		**Receive Date:**	04/10/2008

Analysis Lot:	KWG0803281	**Prep Lot:**		**Report Group:**	
Analysis Method:	DFTPP	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS20\METHODS\0408DXNDMA.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\040908\0409F001.D			**Instrument:**	MS20
Acqu Date:	04/09/2008 11:24	**Quant Date:**		**Vial:**	1
Run Type:	DFTPP			**Dilution:**	1.0
Lab ID:	KWG0803281-1			**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	24.9	242646	Pass
68	69	0	2	0.0	0	Pass
69	198	0	100	31.5	307150	Pass
70	69	0	2	0.5	1565	Pass
127	198	10	80	42.8	416981	Pass
197	198	0	2	0.0	0	Pass
198	442	30	100	48.6	974741	Pass
199	198	5	9	6.9	67365	Pass
275	198	10	60	31.5	307242	Pass
365	442	1	50	2.1	42482	Pass
441	443	0.01	100	87.1	363242	Pass
442	442	100	100	100.0	2003626	Pass
443	442	15	24	20.8	417173	Pass

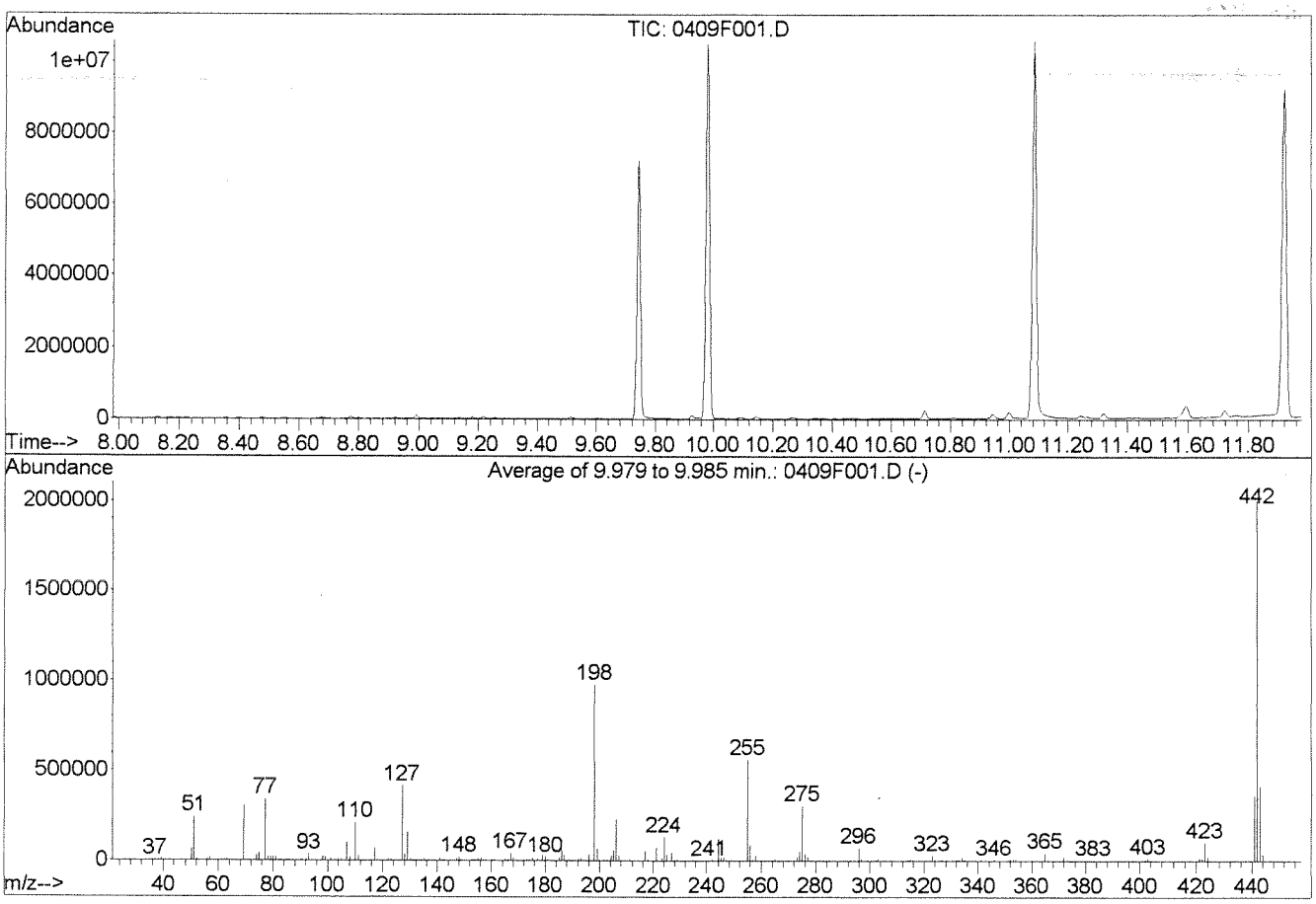
U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

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

DFTPP

Data File : J:\MS20\DATA\040908\0409F001.D Vial: 1
Acq On : 9 Apr 2008 11:24 Operator: JGISH
Sample : DFTPP @ 2.5 ppm SVM25-88H Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM



AutoFind: Scans 1255, 1256, 1257; Background Corrected with Scan 1247

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	24.9	242646	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	31.5	307150	PASS
70	69	0.00	2	0.5	1565	PASS
127	198	10	80	42.8	416981	PASS
197	198	0.00	2	0.0	0	PASS
198	442	30	100	48.6	974741	PASS
199	198	5	9	6.9	67365	PASS
275	198	10	60	31.5	307242	PASS
365	442	1	50	2.1	42482	PASS
441	443	0.01	100	87.1	363242	PASS
442	442	30	100	100.0	2003626	PASS
443	442	15	24	20.8	417173	PASS

0409F001.D 0408DXNDMA.M Wed Apr 09 11:42:41 2008

Average of 9.979 to 9.985 min.: 0409F001.D
DFTPP @ 2.5 ppm SVM25-88H
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.10	228	52.20	12626	64.20	1603	79.10	20688
36.10	148	53.10	593	65.20	5277	80.10	16233
37.10	963	55.15	1220	66.15	448	81.10	23925
38.15	2629	56.15	7675	69.10	307150	82.10	5756
39.20	16753	57.10	17503	70.10	1565	83.10	5838
40.10	464	58.10	806	71.05	180	84.05	392
41.15	492	59.05	230	73.15	2358	85.05	4008
43.10	92	60.10	107	74.15	28108	86.10	5628
45.10	717	61.15	3294	75.10	45192	87.05	2346
50.20	64626	62.20	3917	77.15	341547	88.10	418
51.15	242646	63.20	10199	78.20	23058	91.10	5442

Average of 9.979 to 9.985 min.: 0409F001.D
DFTPP @ 2.5 ppm SVM25-88H
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.15	6171	104.10	8707	116.20	2061	128.10	34205
93.10	34101	105.10	8025	117.10	71461	129.10	159829
94.10	2796	107.10	103810	118.10	5280	130.10	12988
95.05	619	108.10	17786	119.00	551	131.10	2556
96.10	1618	110.10	213184	120.10	1429	132.10	1465
98.10	26161	111.10	30504	121.10	537	133.00	579
99.10	20642	112.10	3779	122.10	6884	134.10	4205
100.10	1996	113.10	1260	123.10	10666	135.05	11864
101.10	14391	113.90	136	124.10	4981	136.10	4805
102.15	955	114.10	171	125.10	4806	137.10	5442
103.10	4341	115.05	480	127.10	416981	138.05	1076

Average of 9.979 to 9.985 min.: 0409F001.D
DFTPP @ 2.5 ppm SVM25-88H
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
139.05	739	150.00	706	161.10	8776	172.05	3616
140.20	582	151.10	1885	162.05	3007	173.05	4735
141.10	18717	152.00	78	163.00	875	174.10	8806
142.10	6492	153.10	5883	164.15	1470	175.10	15193
143.05	4502	154.10	4646	165.00	6910	176.10	3886
144.10	1156	155.10	11076	166.10	6538	177.05	6060
145.05	1219	156.10	17161	167.05	39355	179.00	28112
146.10	3414	157.10	3875	168.10	15440	180.10	20378
147.10	9805	158.05	3897	169.10	3273	181.10	10218
148.10	19538	159.10	3017	170.05	1394	182.05	1761
149.10	4016	160.10	6268	171.00	1742	183.05	1307

Average of 9.979 to 9.985 min.: 0409F001.D
DFTPP @ 2.5 ppm SVM25-88H
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
184.10	2878	196.10	35237	209.00	2527	225.10	33410
185.10	17031	198.00	974741	211.05	9311	227.00	45962
186.10	118093	199.00	67365	213.05	783	228.05	6687
187.10	32373	200.05	4851	214.00	109	229.00	10765
188.10	3790	201.50	6512	215.00	2234	230.05	1665
189.00	7040	203.10	6198	217.00	58720	231.05	5192
190.05	1189	204.10	31090	218.00	7190	232.05	957
191.05	3568	205.10	56914	219.15	923	233.05	1099
192.10	10067	206.10	230378	221.10	73264	234.00	3357
193.05	11081	207.10	29624	223.10	16583	235.00	3650
194.05	2332	208.05	6667	224.10	132461	236.00	2467

Average of 9.979 to 9.985 min.: 0409F001.D
DFTPP @ 2.5 ppm SVM25-88H
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
237.05	4261	249.00	4377	261.00	1132	273.05	21530
238.05	821	249.95	880	261.90	101	274.05	54610
239.00	2092	251.00	1169	263.10	142	275.00	307242
240.00	1688	252.10	1207	263.90	953	276.00	40960
241.05	3178	253.10	3042	265.00	11814	277.00	20648
242.05	7152	255.00	561536	265.95	1880	278.00	3371
244.10	122941	256.00	83946	266.95	559	279.00	973
245.10	17034	257.05	6813	267.80	179	281.00	658
246.00	17452	258.00	28941	269.20	112	282.00	1030
247.00	3803	259.00	4768	270.00	1036	283.00	2442
248.05	1215	259.95	826	271.00	1170	284.05	1590

Average of 9.979 to 9.985 min.: 0409F001.D
DFTPP @ 2.5 ppm SVM25-88H
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
285.05	4208	298.00	679	314.05	4149	328.00	3069
286.00	735	301.00	1086	315.00	8460	328.95	731
287.95	443	302.05	1623	316.00	5125	332.00	2340
289.00	1107	303.00	9343	317.00	997	333.05	3620
290.00	884	304.00	2503	319.95	251	334.00	19130
290.95	518	304.95	341	321.00	3436	335.05	4879
292.05	1380	308.05	1349	323.05	30008	335.95	626
293.00	5761	309.00	729	324.00	5627	338.95	566
294.00	1243	310.00	1002	325.00	561	339.95	437
296.00	71042	311.90	285	326.05	563	341.00	4067
297.00	9863	313.05	1098	327.00	5214	342.05	1082

Average of 9.979 to 9.985 min.: 0409F001.D
DFTPP @ 2.5 ppm SVM25-88H
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
346.00	6378	359.90	132	383.95	1788	404.00	4939
346.95	1250	365.00	42482	385.00	605	404.95	673
349.95	367	366.00	5658	390.00	3279	409.95	583
351.00	267	366.95	475	391.00	2042	414.95	734
352.00	10163	369.95	1166	391.95	1538	421.00	14084
353.00	7581	371.00	3336	392.90	424	422.10	13468
354.00	10402	372.00	19426	394.90	107	423.00	102360
355.00	2336	373.00	5209	396.90	240	424.00	20949
356.00	120	373.95	523	401.00	1543	424.95	1992
357.00	109	376.90	673	402.00	8836	435.80	133
358.95	970	383.00	5274	403.00	13993	436.10	162

Average of 9.979 to 9.985 min.: 0409F001.D
DFTPP @ 2.5 ppm SVM25-88H
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
436.30	119	445.00	2017				
437.60	275						
437.90	427						
438.30	233						
438.60	267						
439.00	723						
439.30	343						
441.10	363242						
442.00	2003626						
443.00	417173						
444.00	39565						

Client: Environmental Chemistry Consulting Servi
Project: Kuhlman Electric

Service Request: K0802796
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: K0802796
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: K0802796
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		9 Apr 2008 00:24
24	24	0408F024.D	1.	KWG0803108-LCS	> NR	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

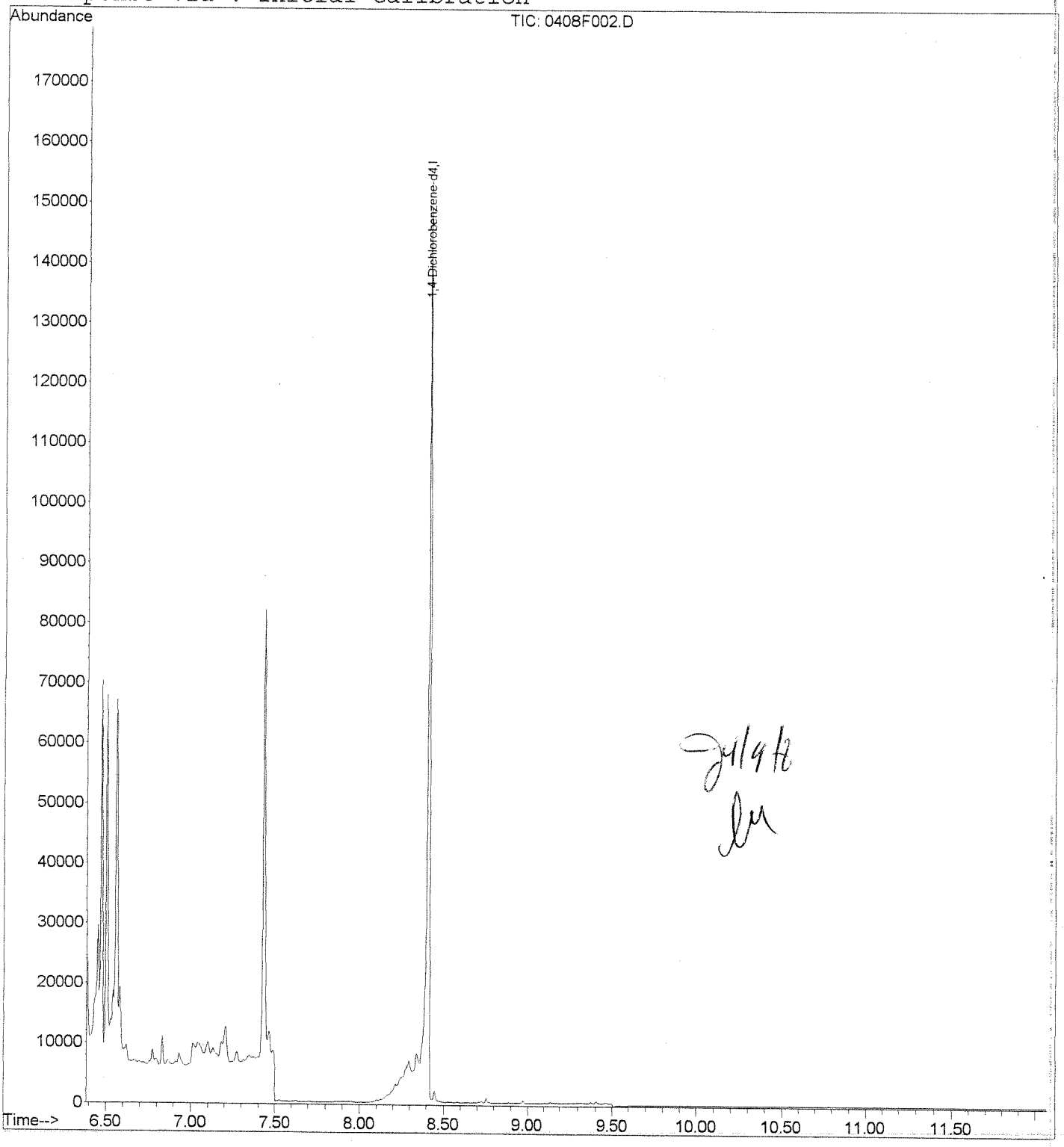
Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F002.D
Acq On : 8 Apr 2008 17:46
Sample : IB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:18 2008

Vial: 2
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



4/9/8

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

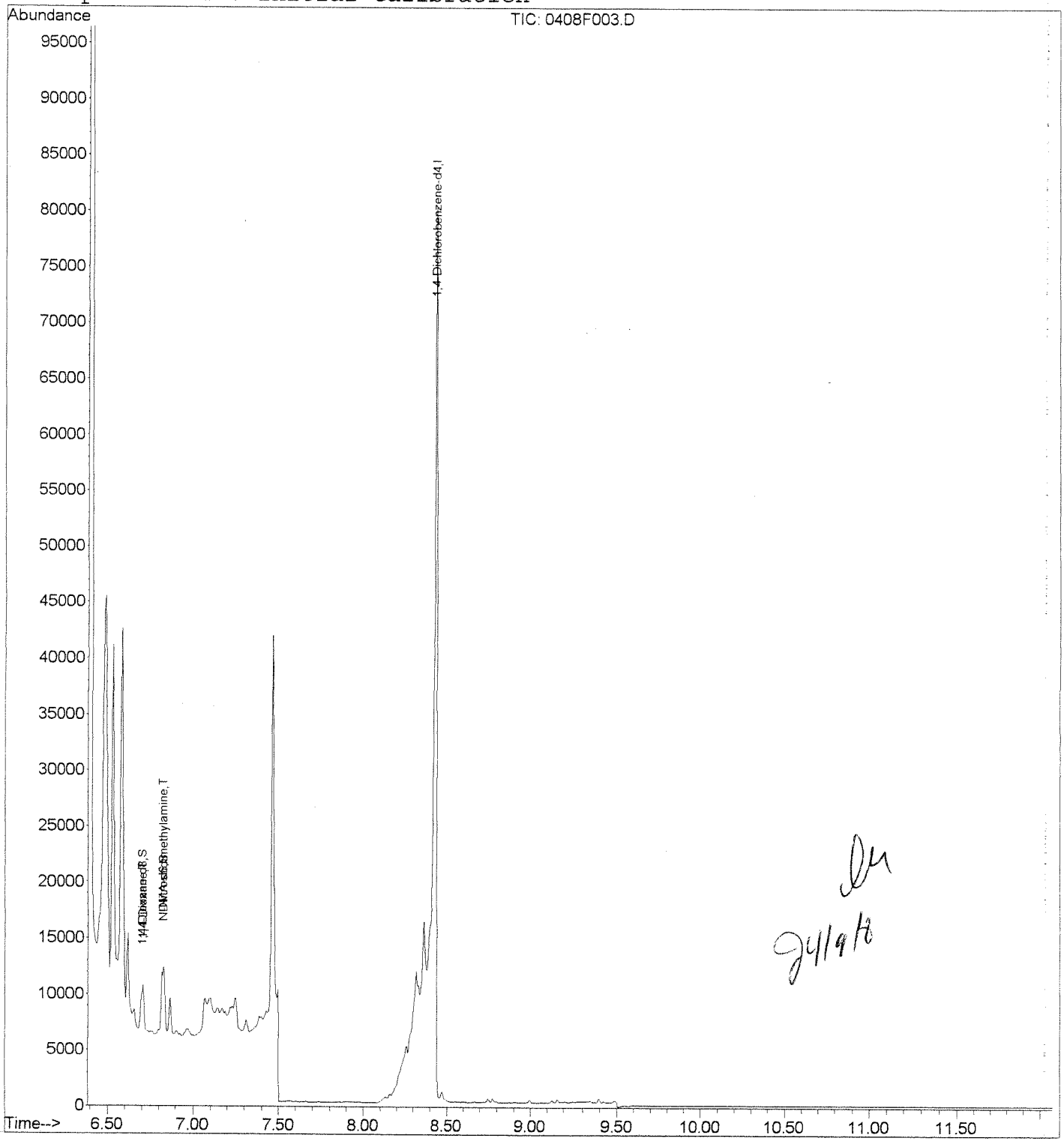
4/14/08

(#) = qualifier out of range (m) = manual integration
0408F003.D 0408DXNDMA.M Wed Apr 09 09:18:37 2008 Page 1

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 9:04 2008

Vial: 3
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



JH 7/1/9/12

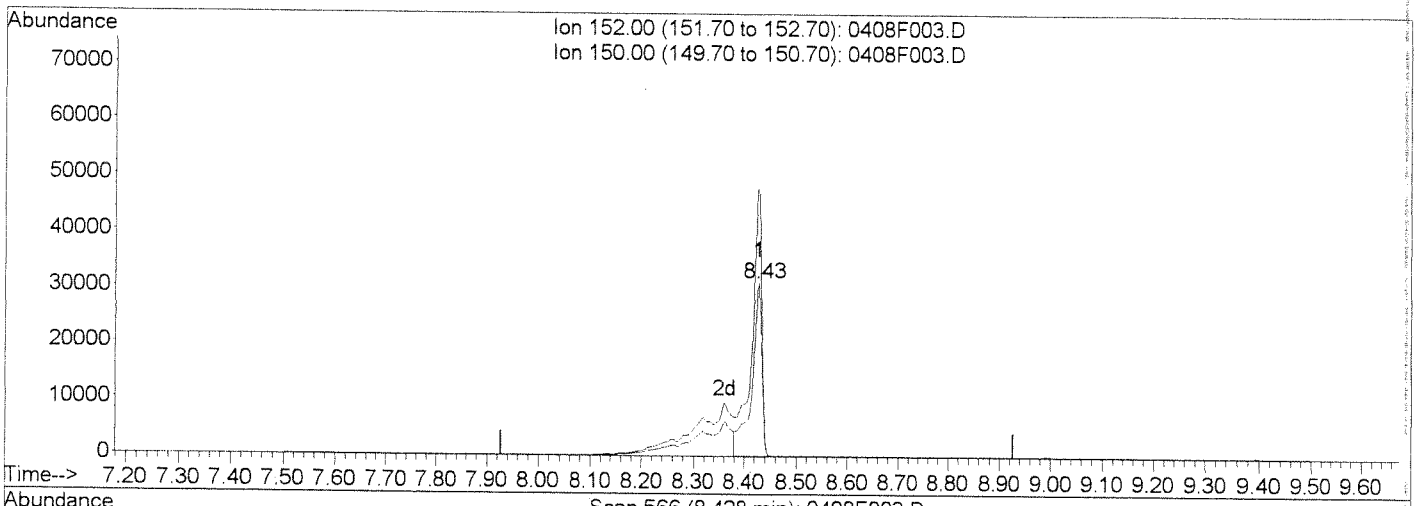
Quantitation Report (Qedit)

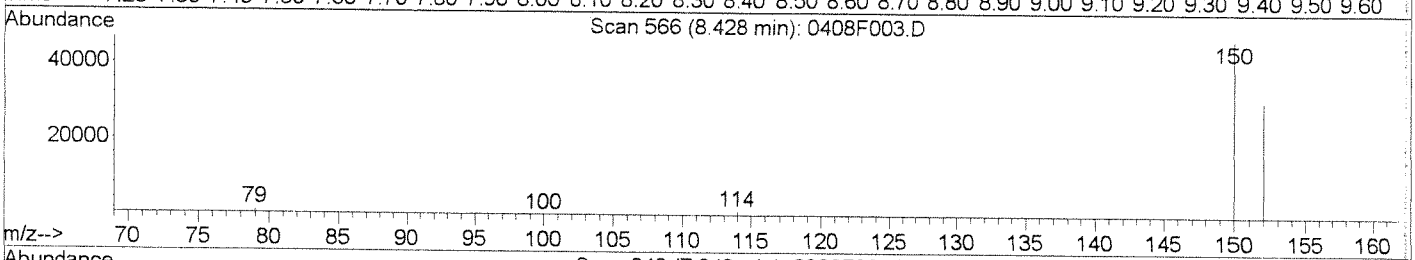
Data File : J:\MS20\DATA\040808\0408F003.D
Acq On : 8 Apr 2008 18:05
Sample : DXNDMA @ 2 PPB SVM25-26C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:03 2008

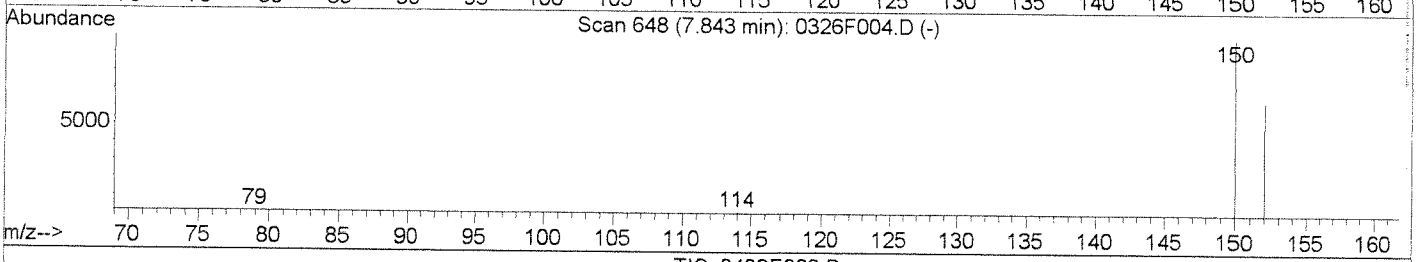
Vial: 3
Operator: JGISH
Inst : MS20
Multiplr: 1.00

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







TIC: 0408F003.D

(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

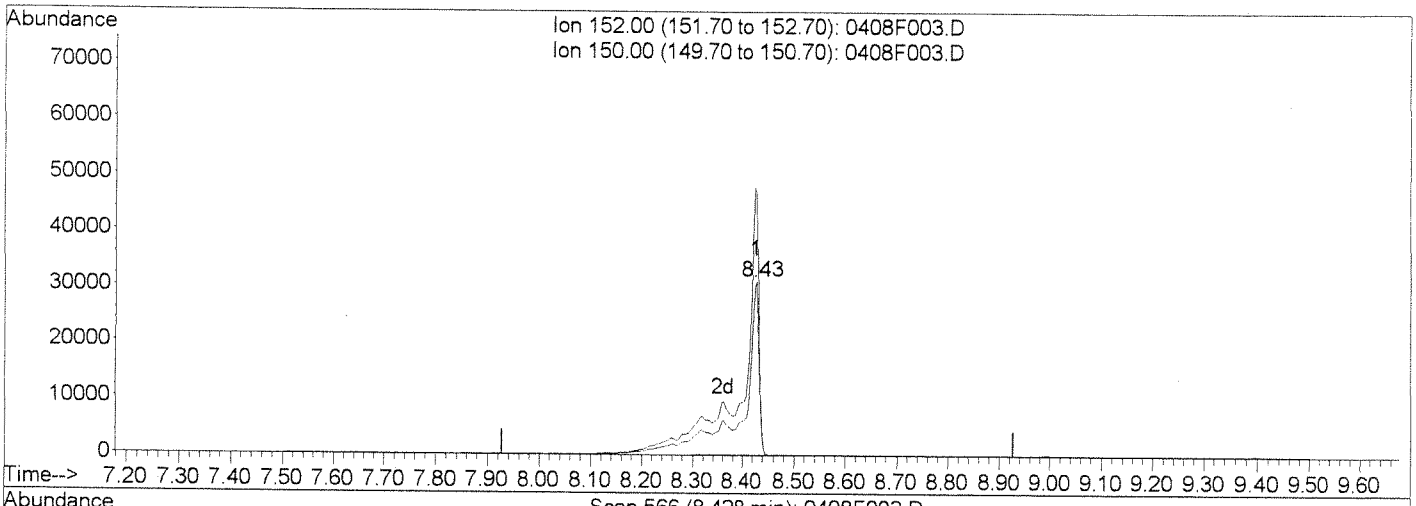
0408F003.D 0408DXNDMA.M Wed Apr 09 09:04:05 2008

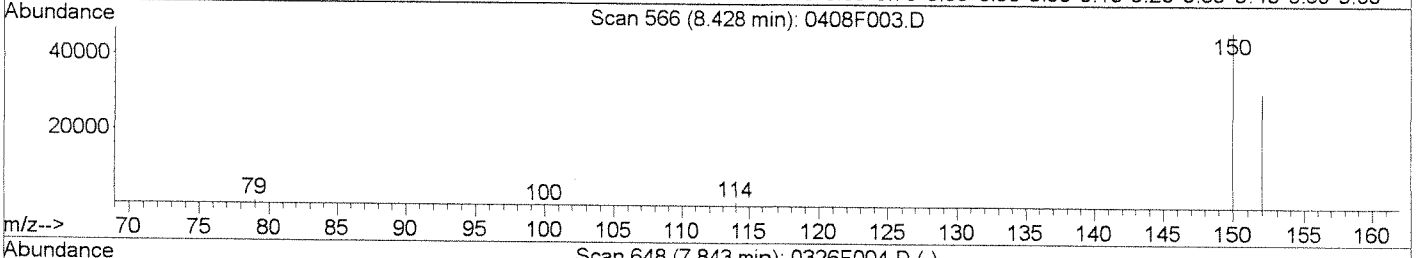
Data File : J:\MS20\DATA\040808\0408F003.D
Acq On : 8 Apr 2008 18:05
Sample : DXNDMA @ 2 PPB SVM25-26C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:04 2008

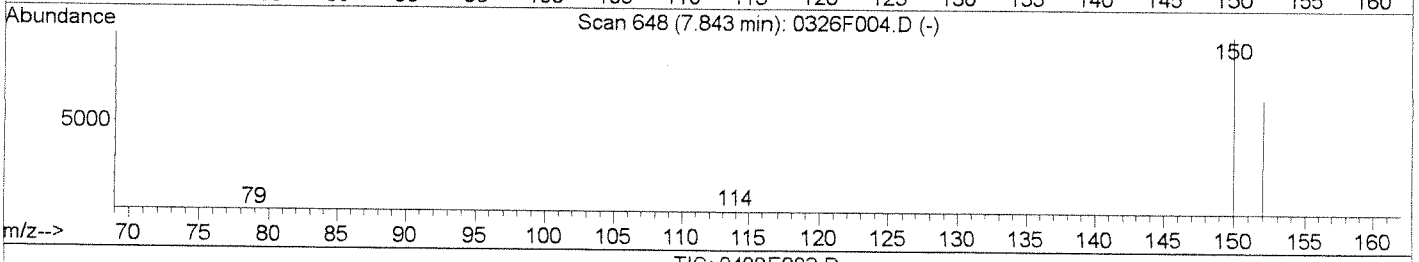
Vial: 3
Operator: JGISH
Inst : MS20
Multiplr: 1.00

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







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

J 4/9/08 IC

0408F003.D 0408DXNDMA.M Wed Apr 09 09:04:14 2008

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 09 09:03:30 2008

Vial: 4
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 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

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(#) = qualifier out of range (m) = manual integration
0408F004.D 0408DXNDMA.M Wed Apr 09 09:18:38 2008 Page 1

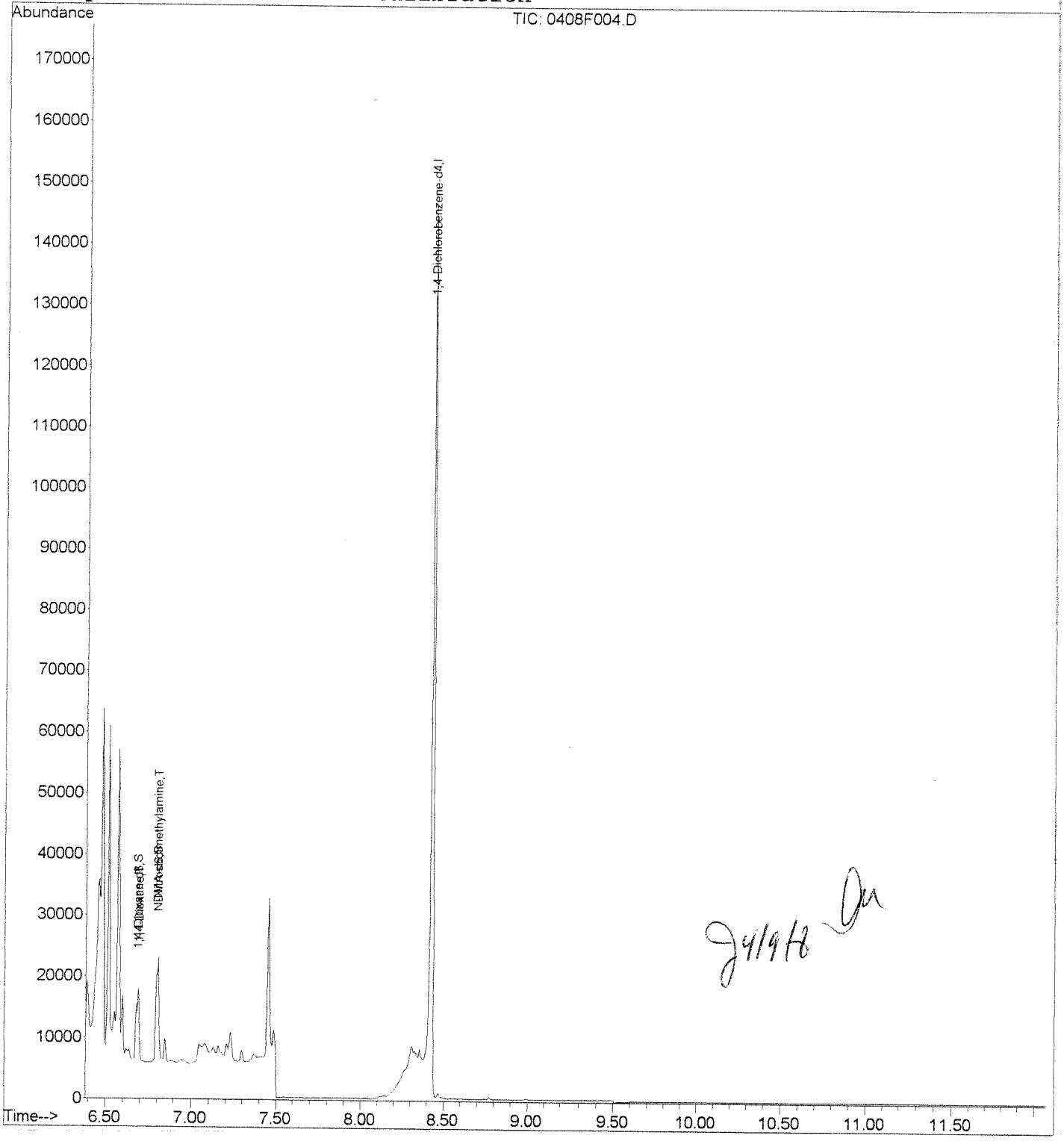
Quantitation Report (QT Reviewed)

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



4/9/08

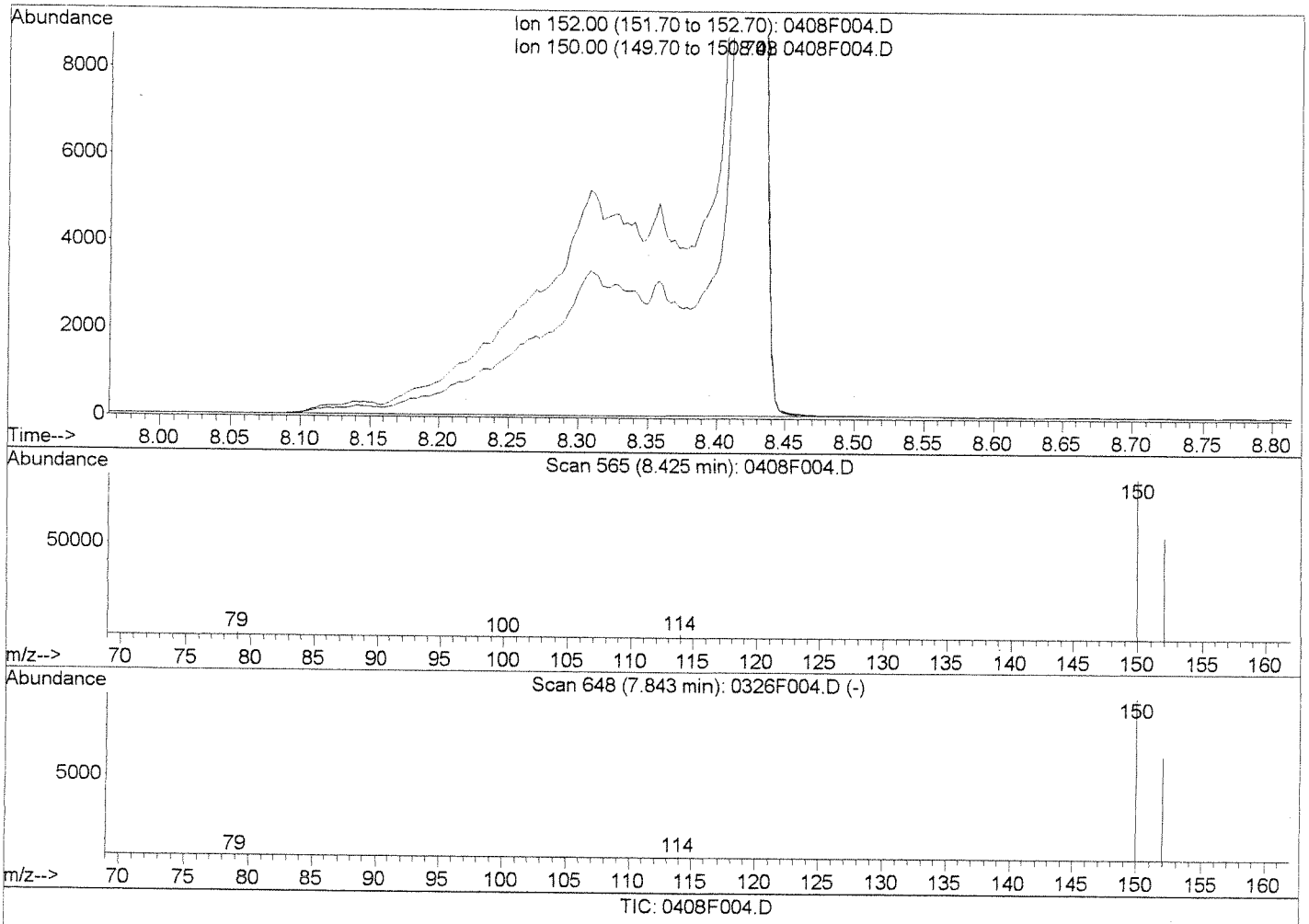
Quantitation Report (Qedit)

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: 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
Acq On : 8 Apr 2008 18:41
Sample : DXNDMA @ 10 PPB SVM25-26E
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 09 09:03:31 2008

Vial: 5
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 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

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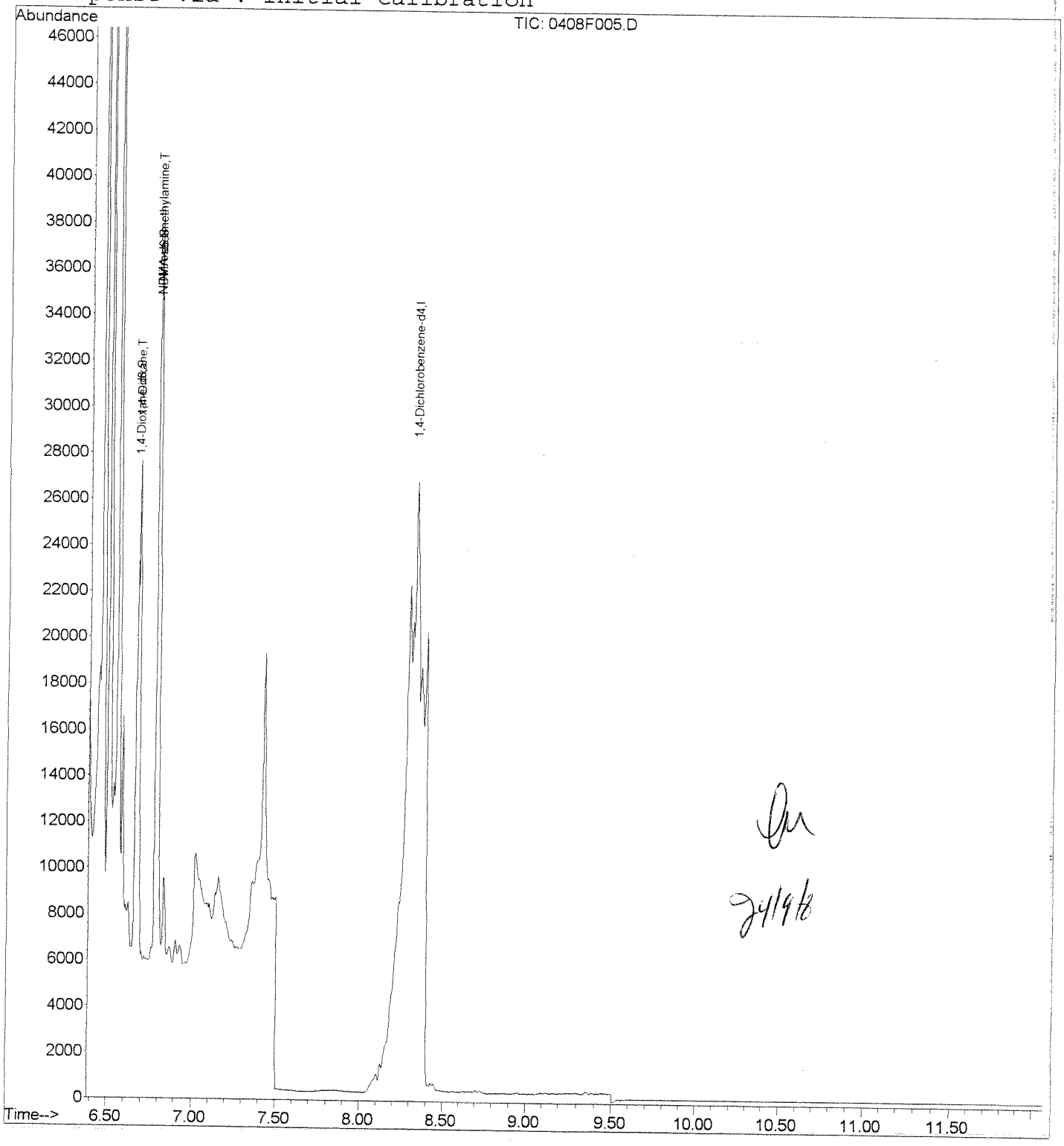
(#) = qualifier out of range (m) = manual integration
0408F005.D 0408DXNDMA.M Wed Apr 09 09:18:40 2008 Page 1

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



4/9/08

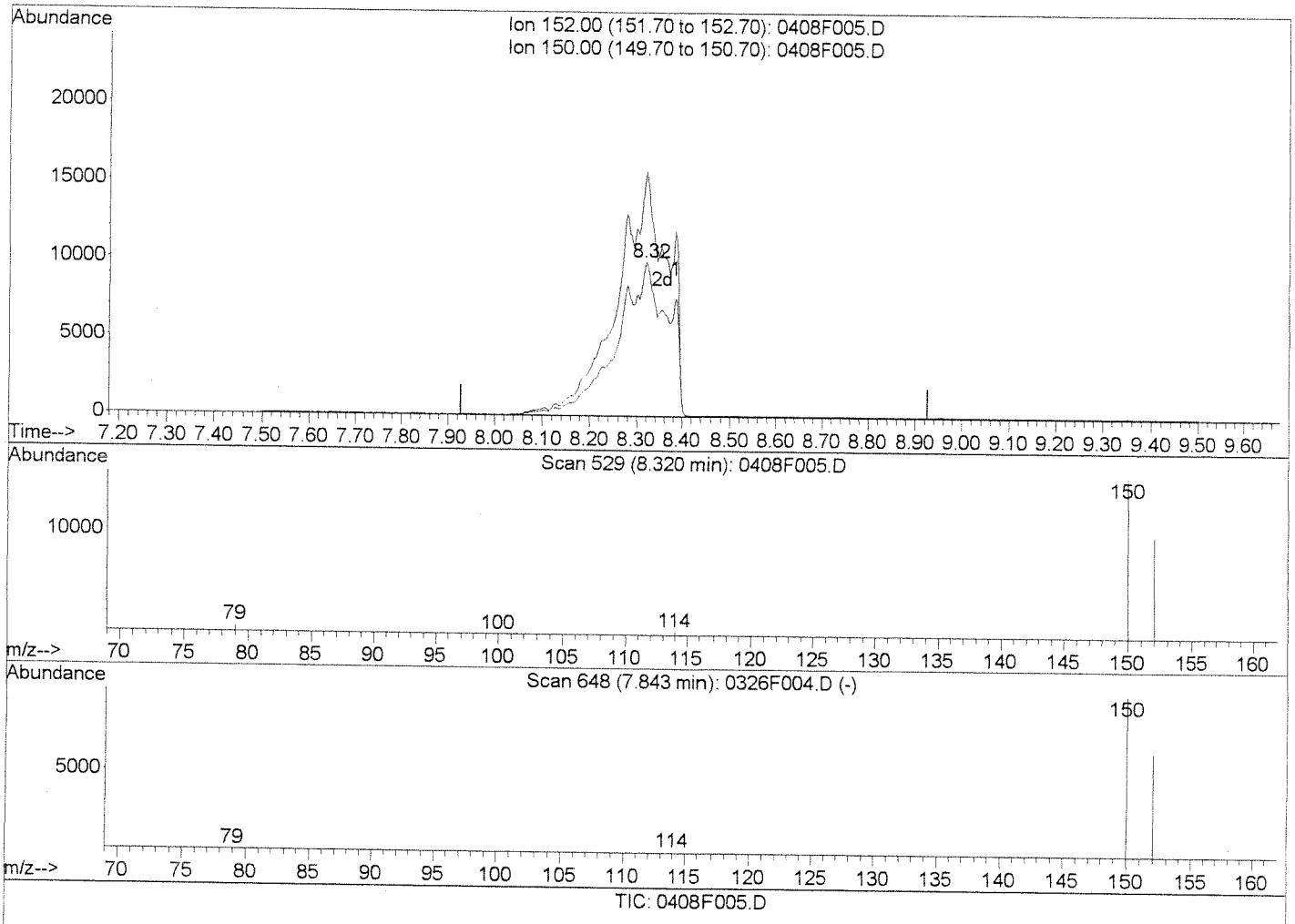
Quantitation Report (Qedit)

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

(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

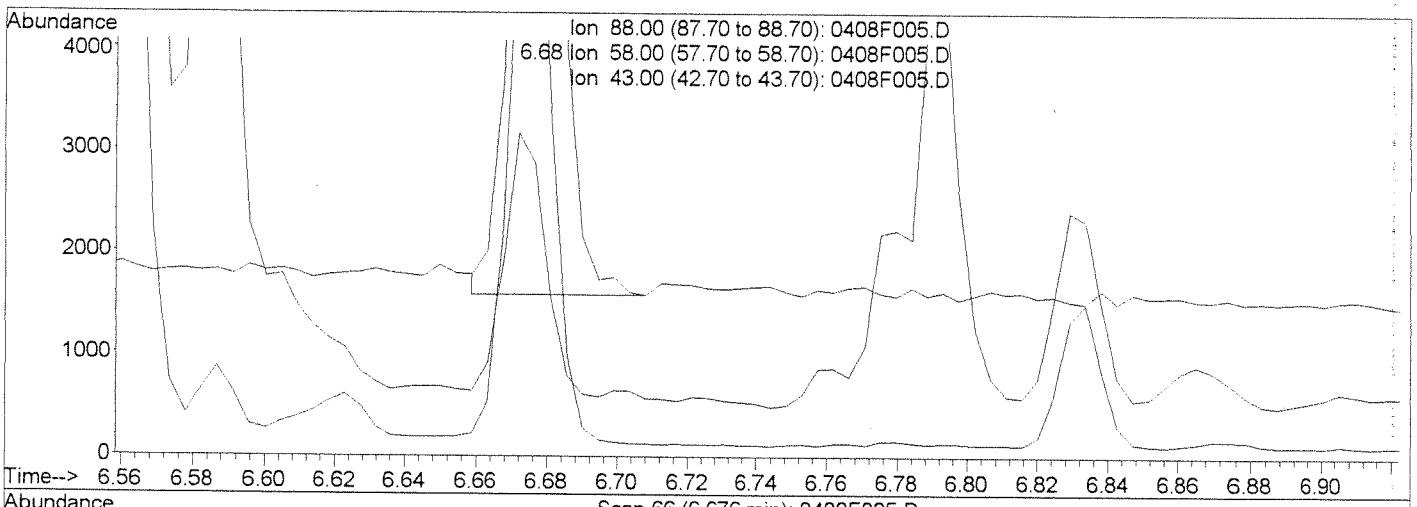
Quantitation Report (Qedit)

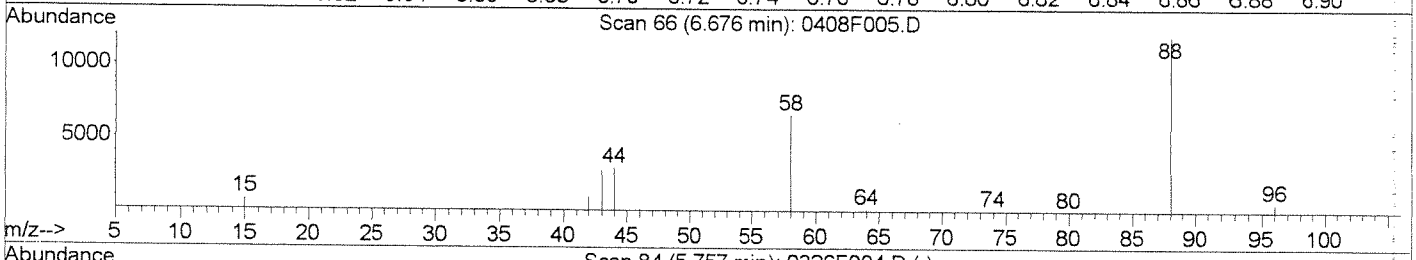
Data File : J:\MS20\DATA\040808\0408F005.D
Acq On : 8 Apr 2008 18:41
Sample : DXNDMA @ 10 PPB SVM25-26E
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:05 2008

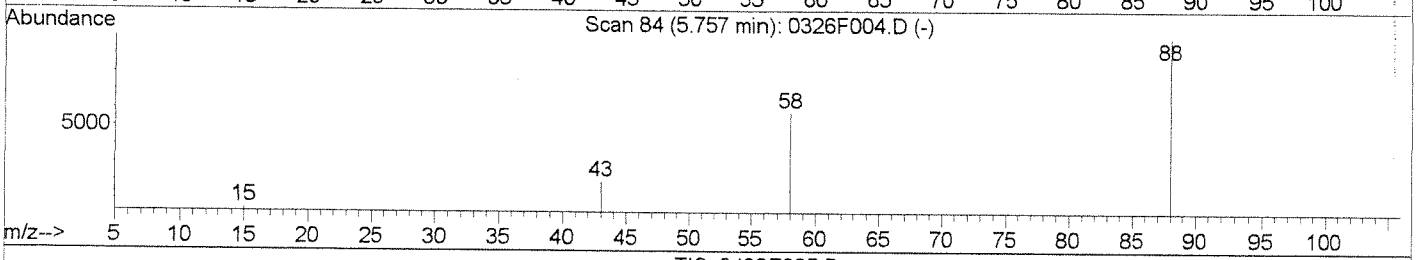
Vial: 5
Operator: JGISH
Inst : MS20
Multiplr: 1.00

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







TIC: 0408F005.D

(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

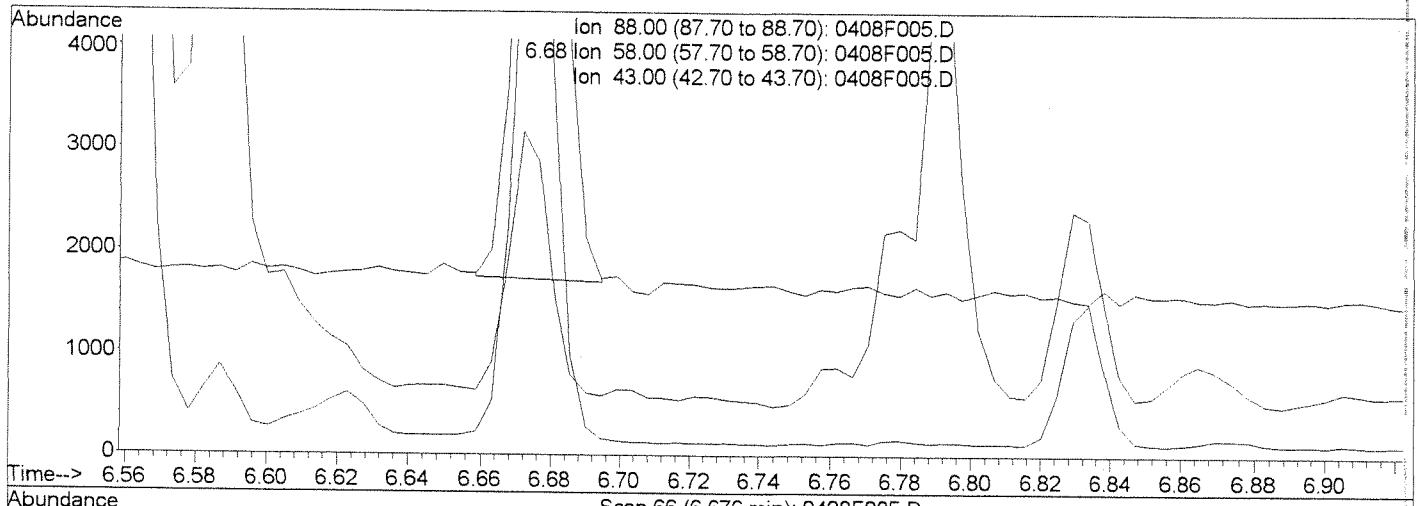
Quantitation Report (Qedit)

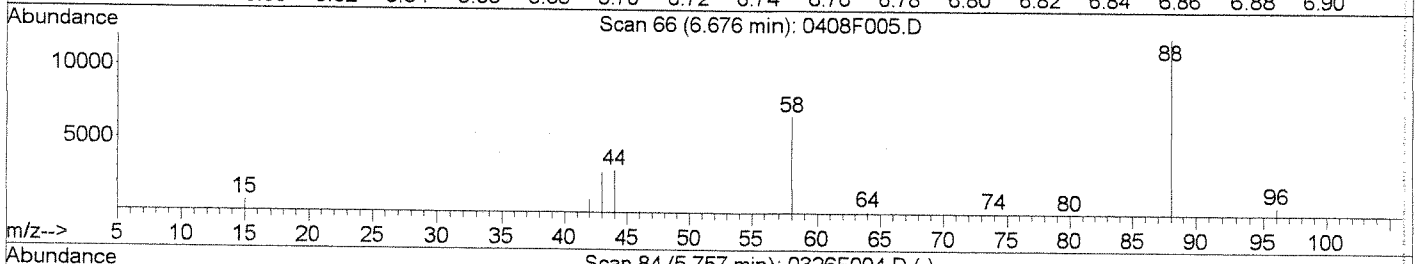
Data File : J:\MS20\DATA\040808\0408F005.D
Acq On : 8 Apr 2008 18:41
Sample : DXNDMA @ 10 PPB SVM25-26E
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:05 2008

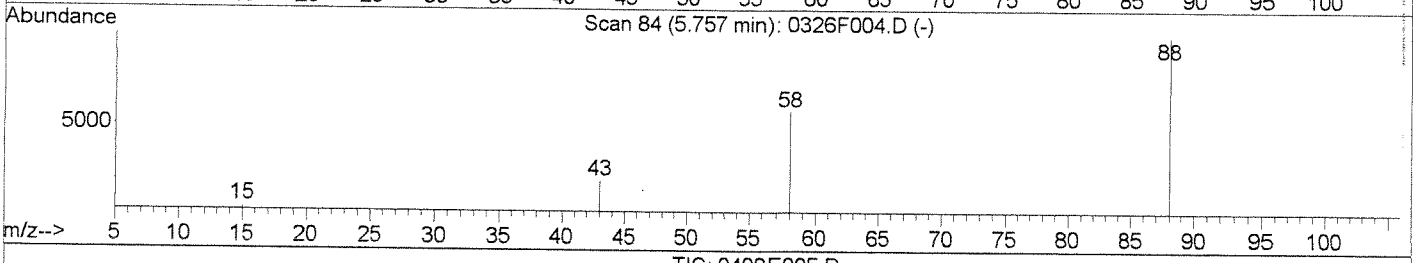
Vial: 5
Operator: JGISH
Inst : MS20
Multiplr: 1.00

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

4/9/08

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 09 09:01:54 2008

Vial: 6
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 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

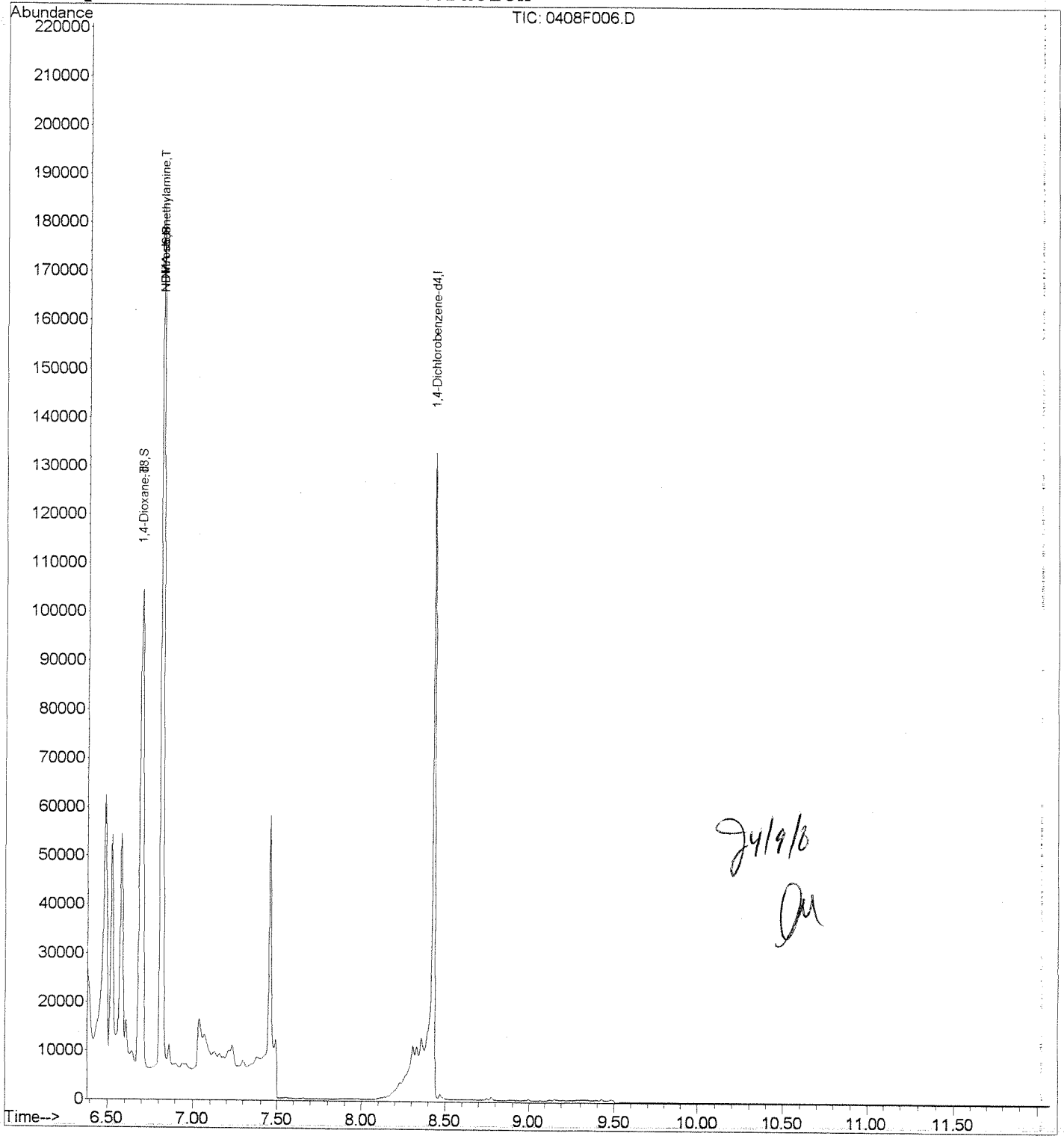
Quantitation Report (QT Reviewed)

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

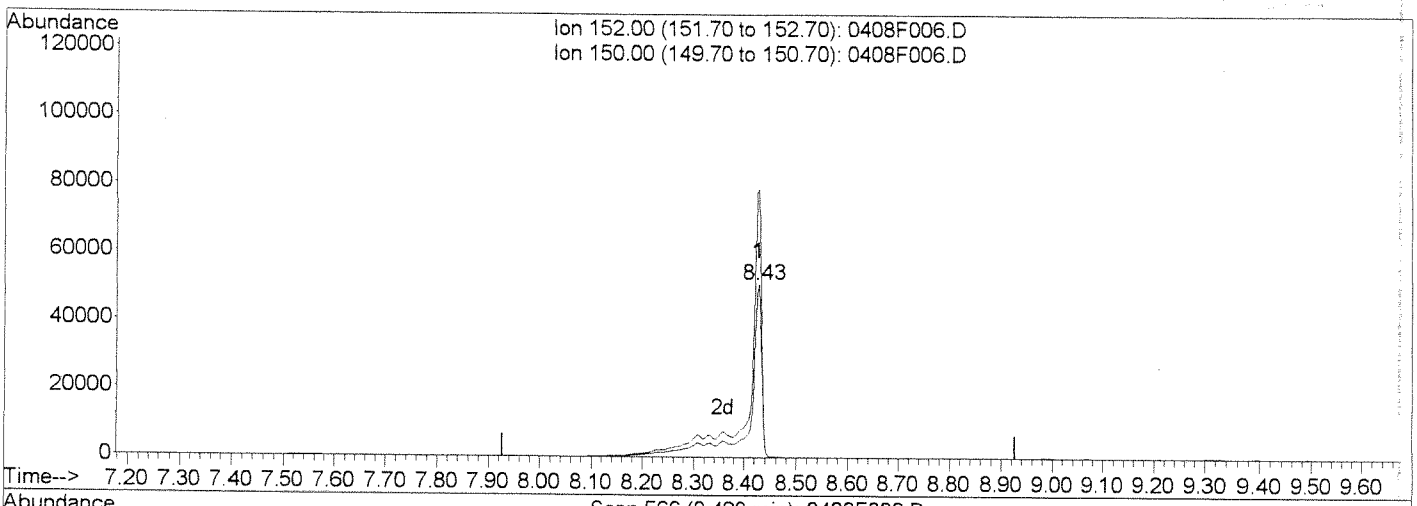
Quantitation Report (Qedit)

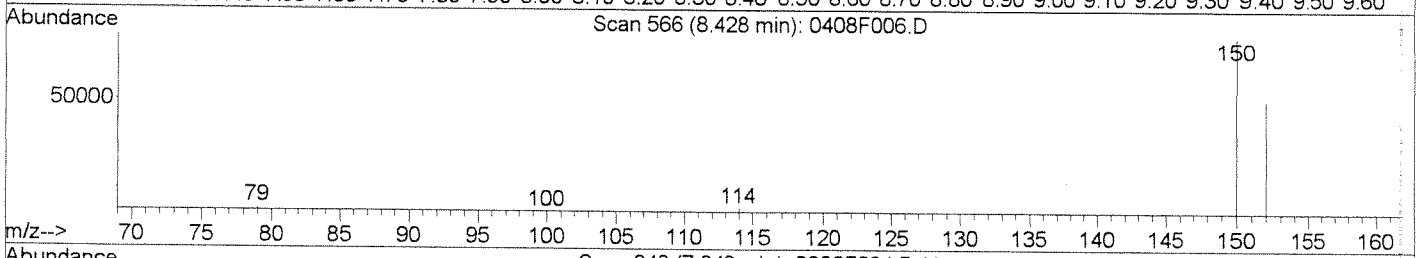
Data File : J:\MS20\DATA\040808\0408F006.D
Acq On : 8 Apr 2008 19:01
Sample : DXNDMA @ 50 PPB SVM25-26F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:06 2008

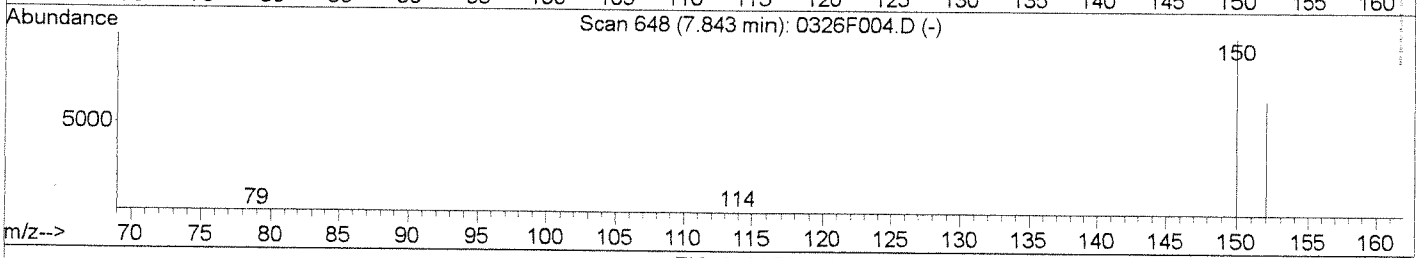
Vial: 6
Operator: JGISH
Inst : MS20
Multiplr: 1.00

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
Acq On : 8 Apr 2008 19:19
Sample : DXNDMA @ 100 PPB SVM25-26G
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 09 09:03:31 2008

Vial: 7
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 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

4/14/08

(#) = qualifier out of range (m) = manual integration
0408F007.D 0408DXNDMA.M Wed Apr 09 09:18:42 2008 Page 1

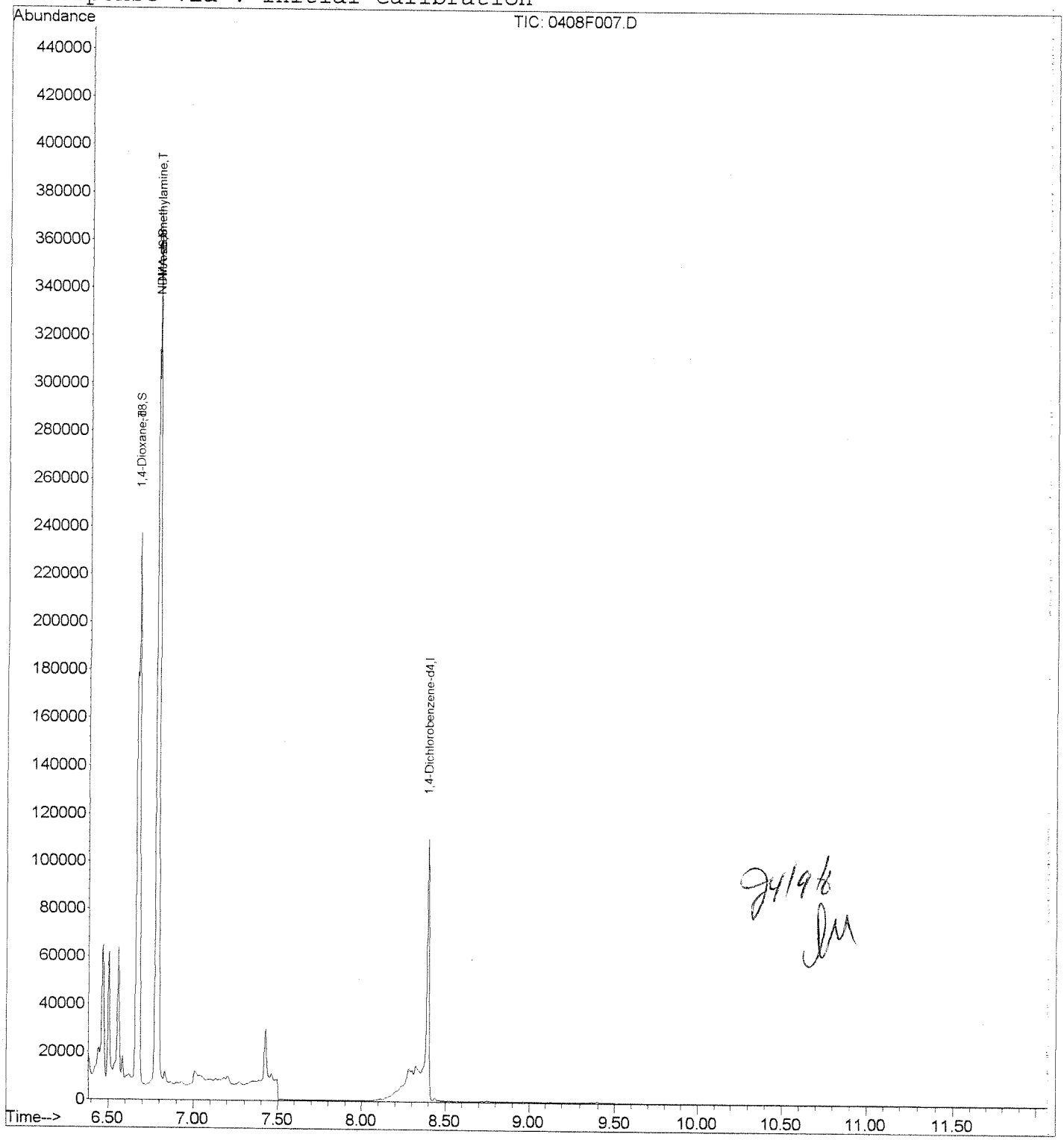
Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F007.D
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: 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



4/19/8

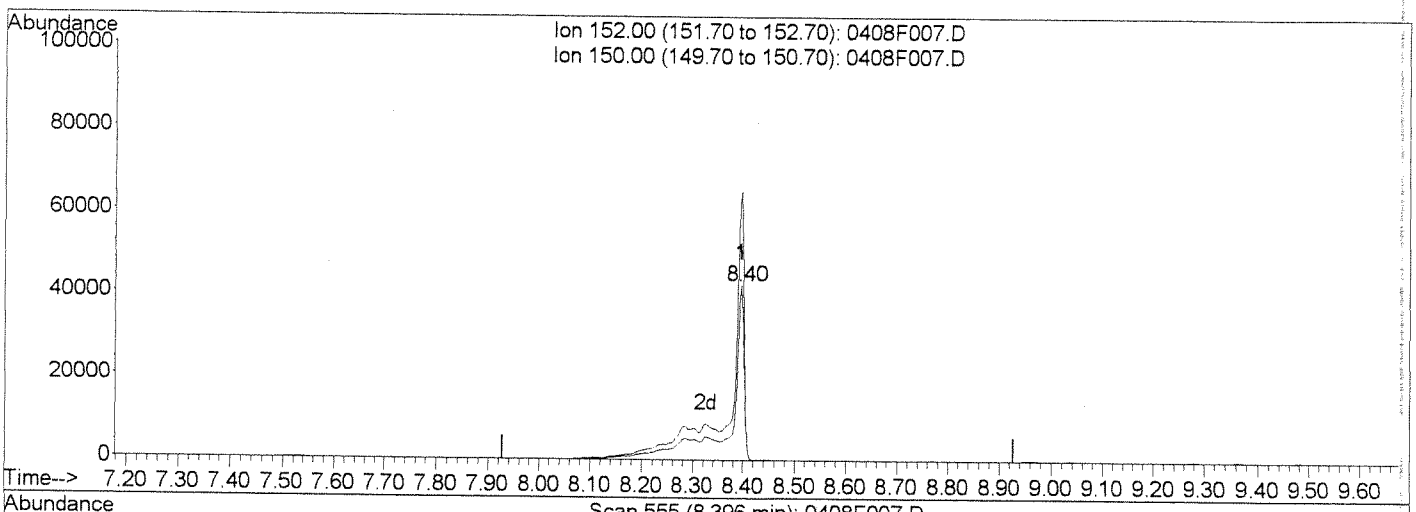
Quantitation Report (Qedit)

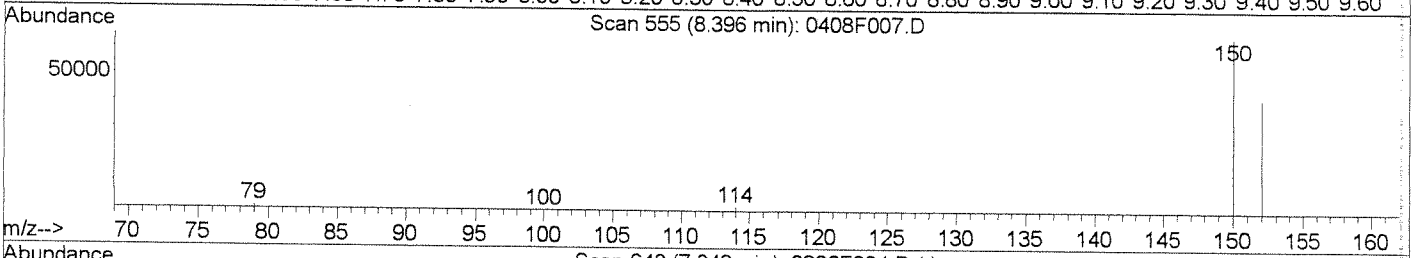
Data File : J:\MS20\DATA\040808\0408F007.D
Acq On : 8 Apr 2008 19:19
Sample : DXNDMA @ 100 PPB SVM25-26G
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:07 2008

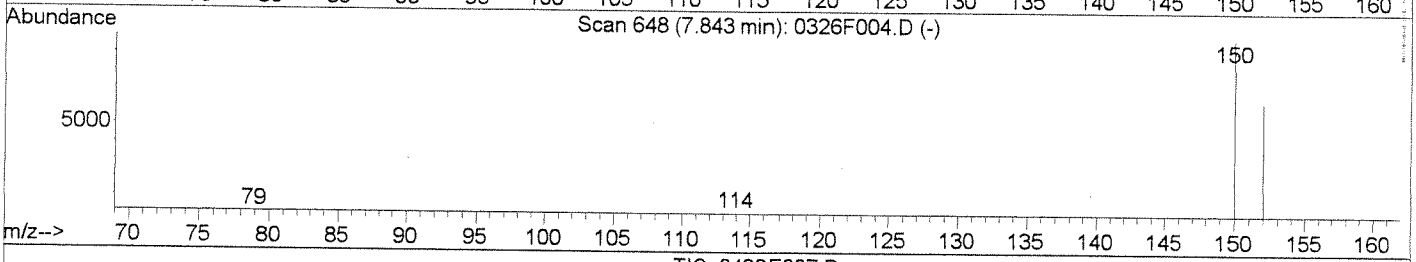
Vial: 7
Operator: JGISH
Inst : MS20
Multiplr: 1.00

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

7/9/08

0408F007.D 0408DXNDMA.M Wed Apr 09 09:07:17 2008

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F008.D
Acq On : 8 Apr 2008 19:39
Sample : DXNDMA @ 250 PPB SVM25-26H
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 09 09:03:31 2008

Vial: 8
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 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

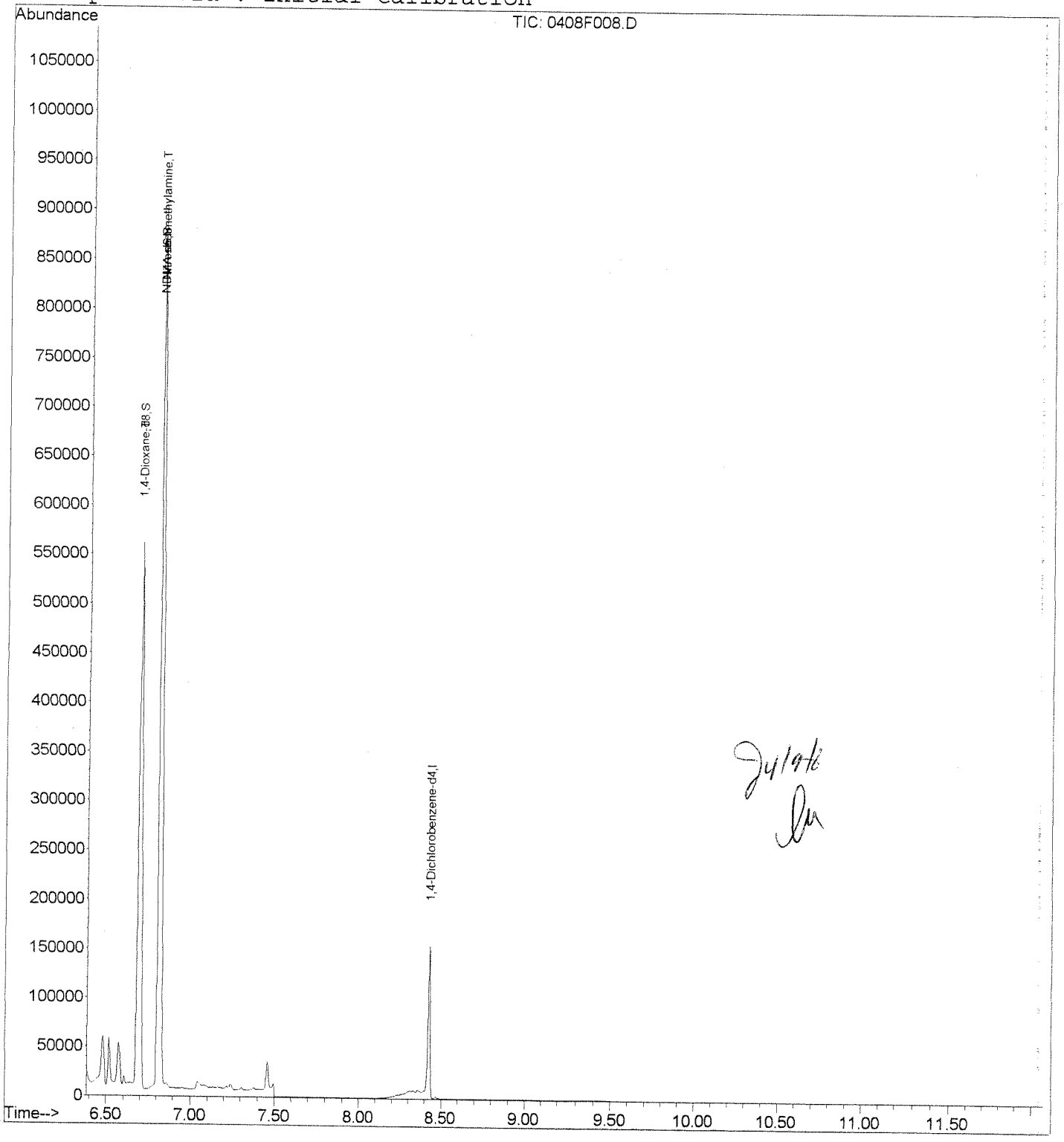
Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040808\0408F008.D
Acq On : 8 Apr 2008 19:39
Sample : DXNDMA @ 250 PPB SVM25-26H
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:07 2008

Vial: 8
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



0408F008.D 0408DXNDMA.M Wed Apr 09 09:18:44 2008 Page 2

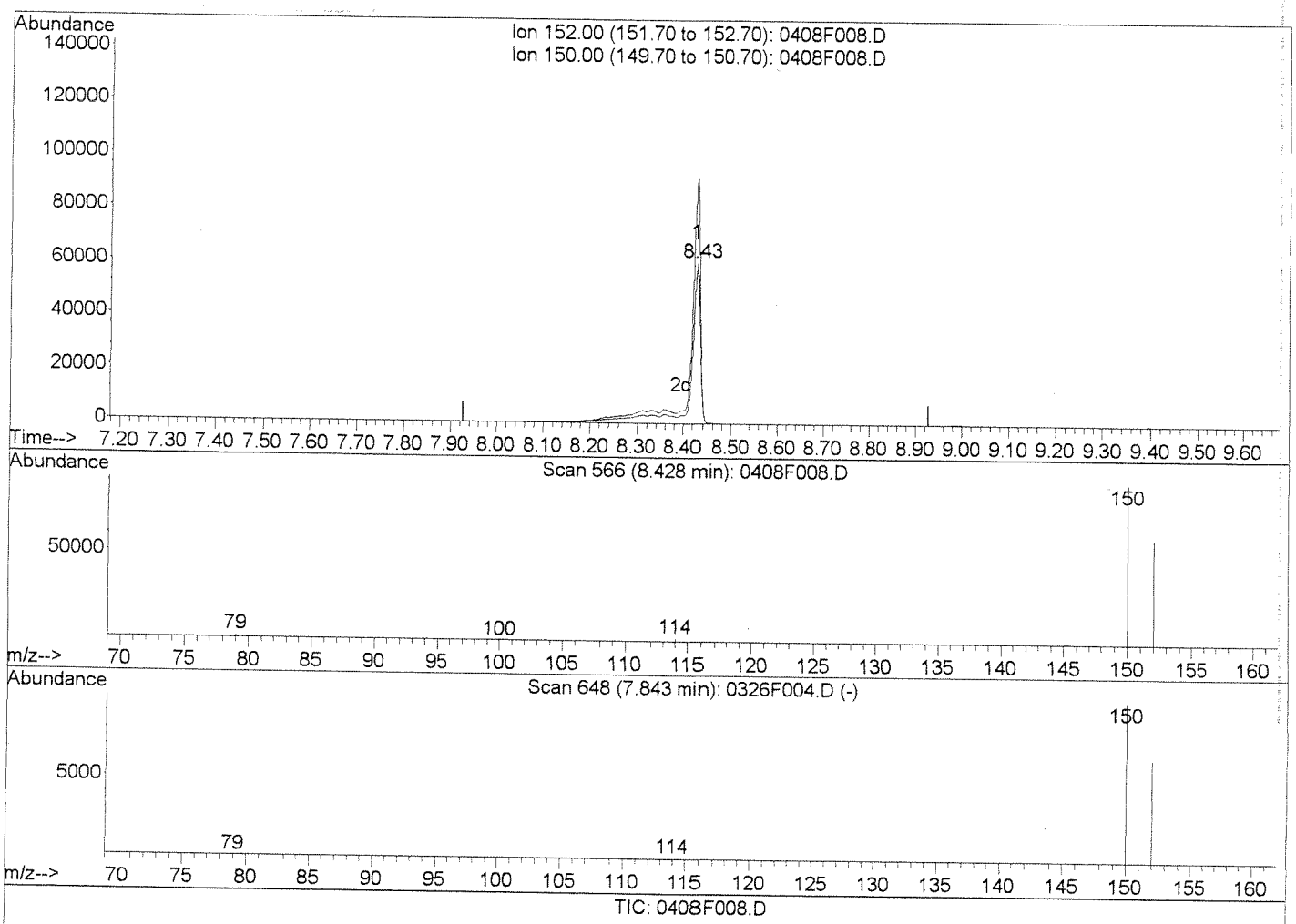
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040808\0408F008.D
Acq On : 8 Apr 2008 19:39
Sample : DXNDMA @ 250 PPB SVM25-26H
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:07 2008

Vial: 8
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 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

4/9/08 IC

0408F008.D 0408DXNDMA.M Wed Apr 09 09:07:36 2008

Quantitation Report (QT Reviewed)

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 09 09:03:32 2008

Vial: 9
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 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

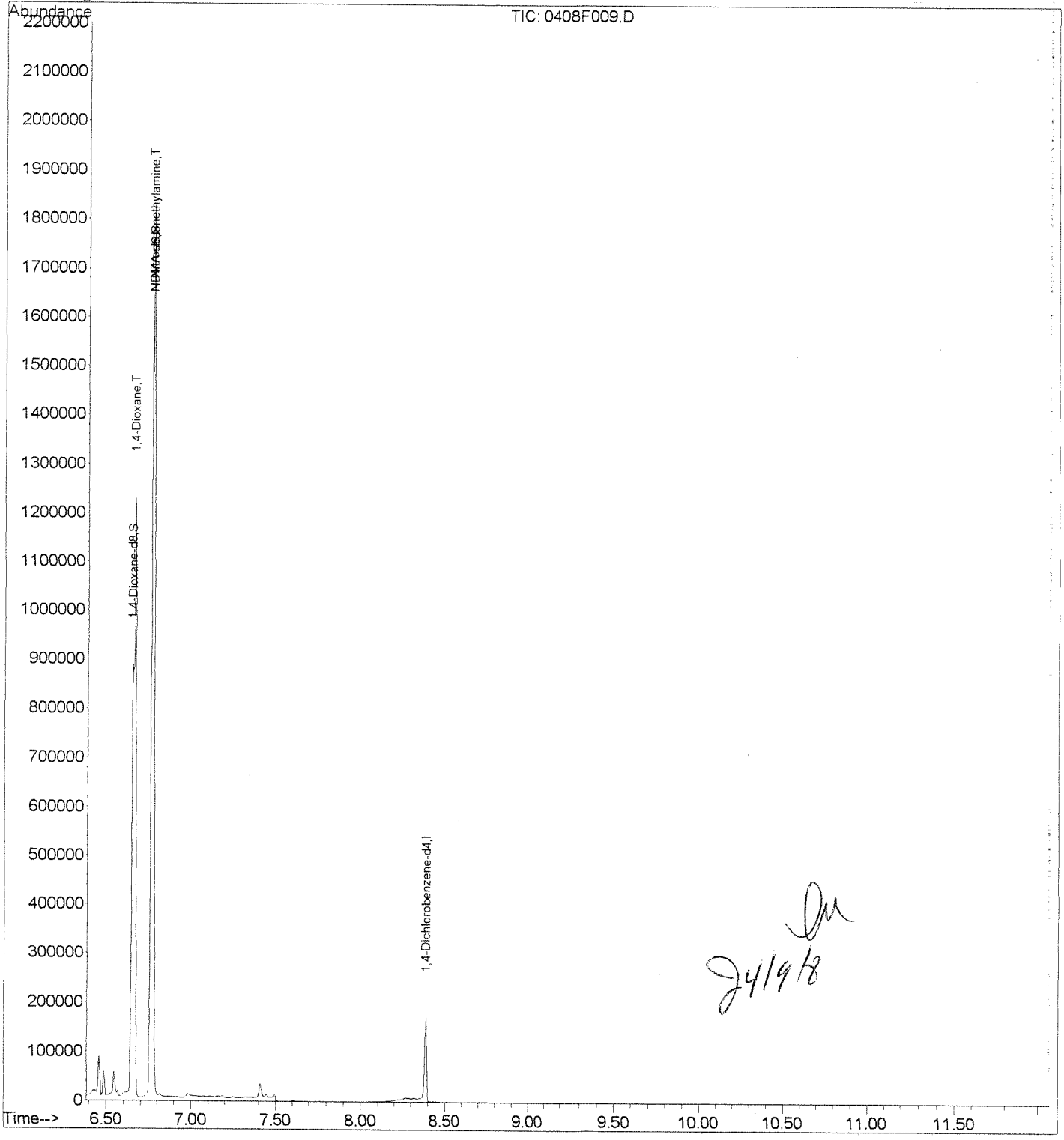
Quantitation Report (QT Reviewed)

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 9:09 2008

Vial: 9
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



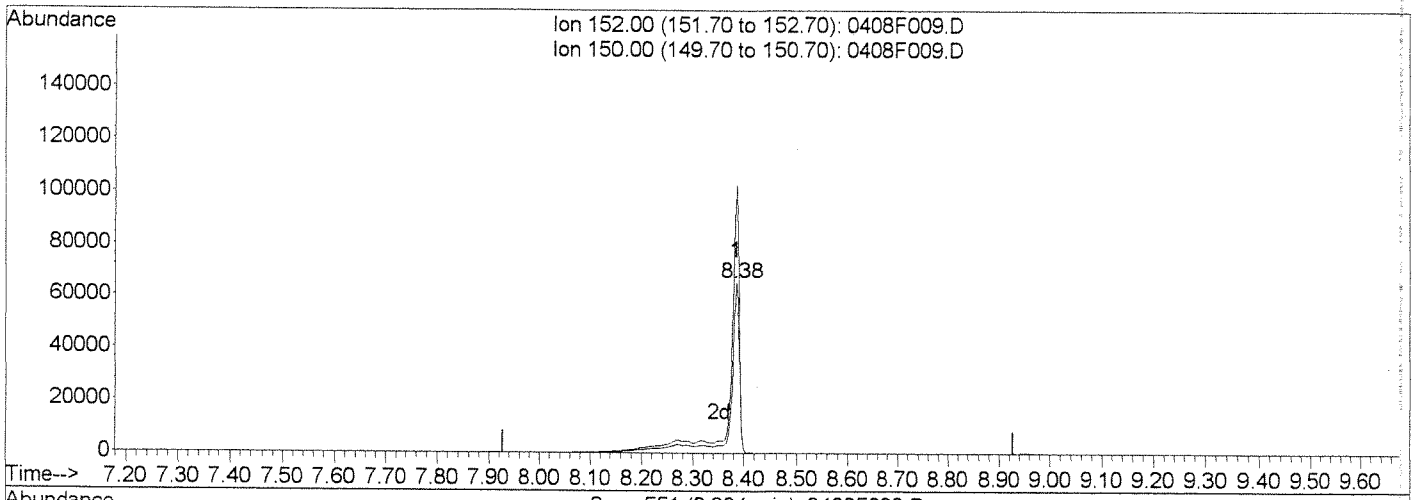
4/9/08

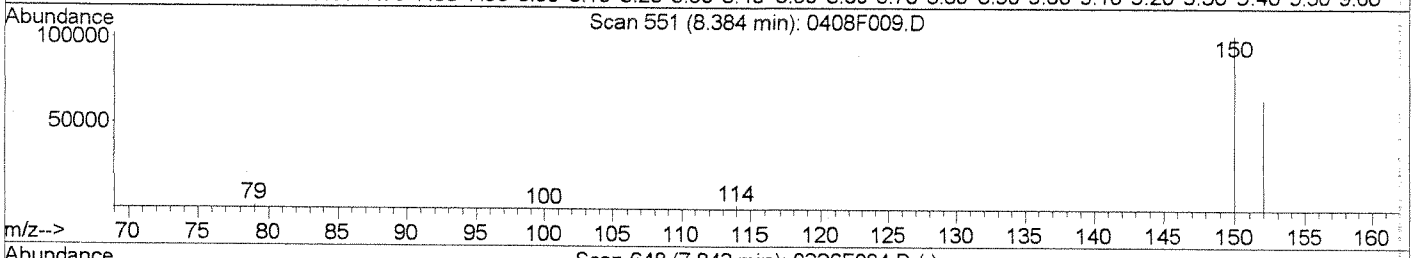
Quantitation Report (Qedit)

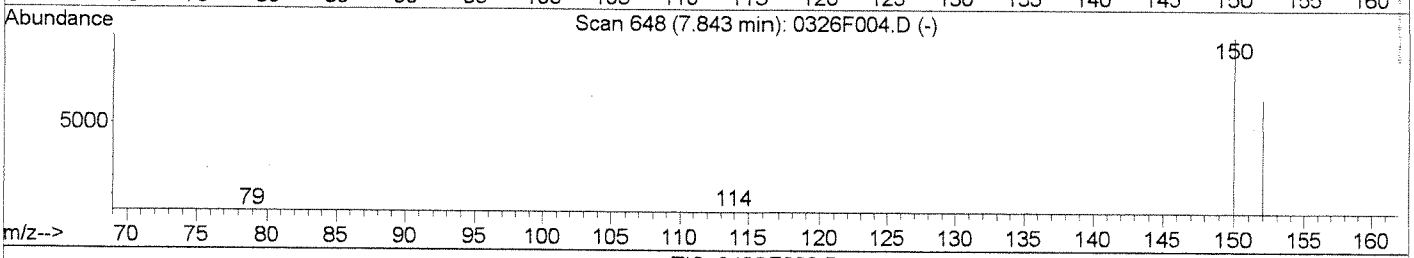
Data File : J:\MS20\DATA\040808\0408F009.D
Acq On : 8 Apr 2008 19:58
Sample : DXNDMA @ 500 PPB SVM25-26I
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:07 2008

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

(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 JC

0408F009.D 0408DXNDMA.M Wed Apr 09 09:08:01 2008

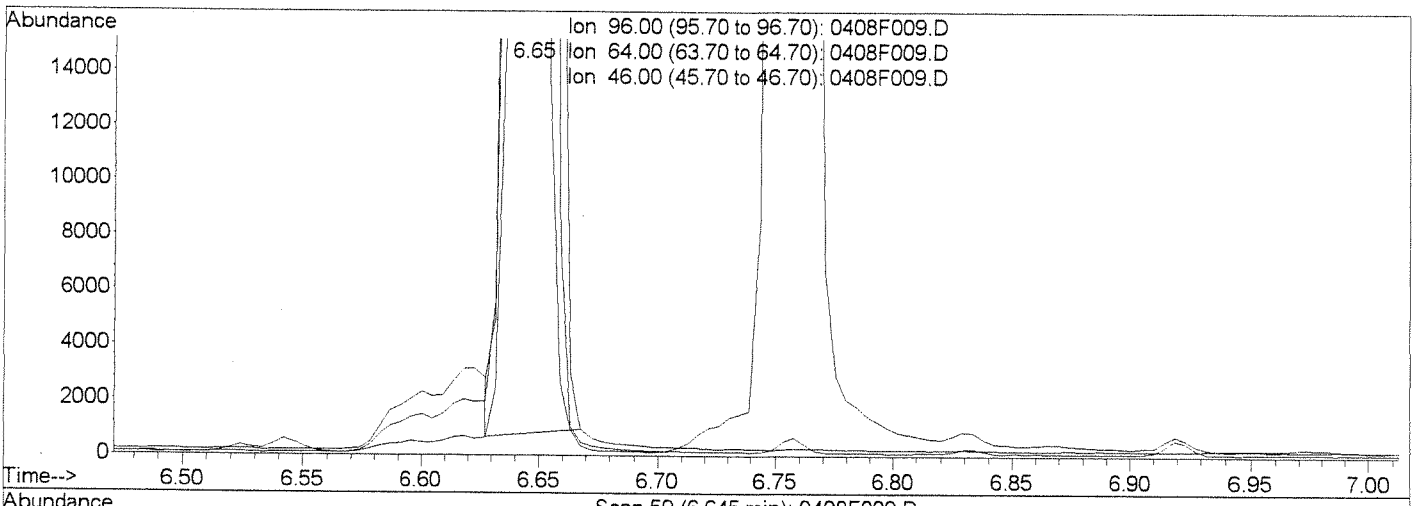
Quantitation Report (Qedit)

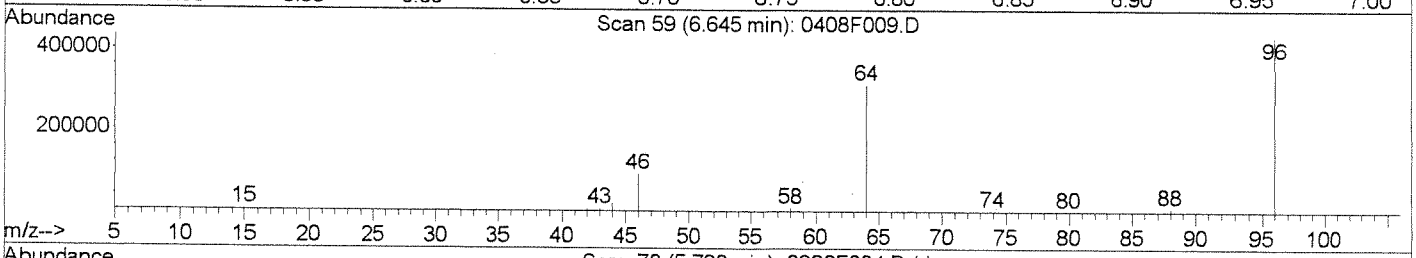
Data File : J:\MS20\DATA\040808\0408F009.D
Acq On : 8 Apr 2008 19:58
Sample : DXNDMA @ 500 PPB SVM25-26I
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:07 2008

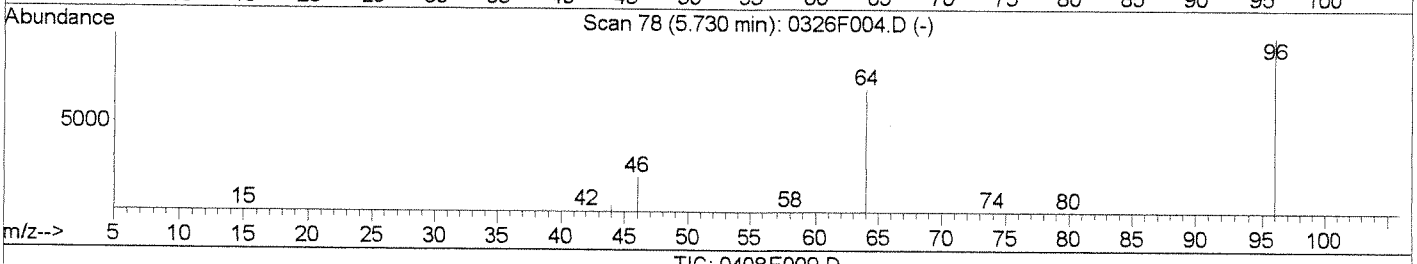
Vial: 9
Operator: JGISH
Inst : MS20
Multiplr: 1.00

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

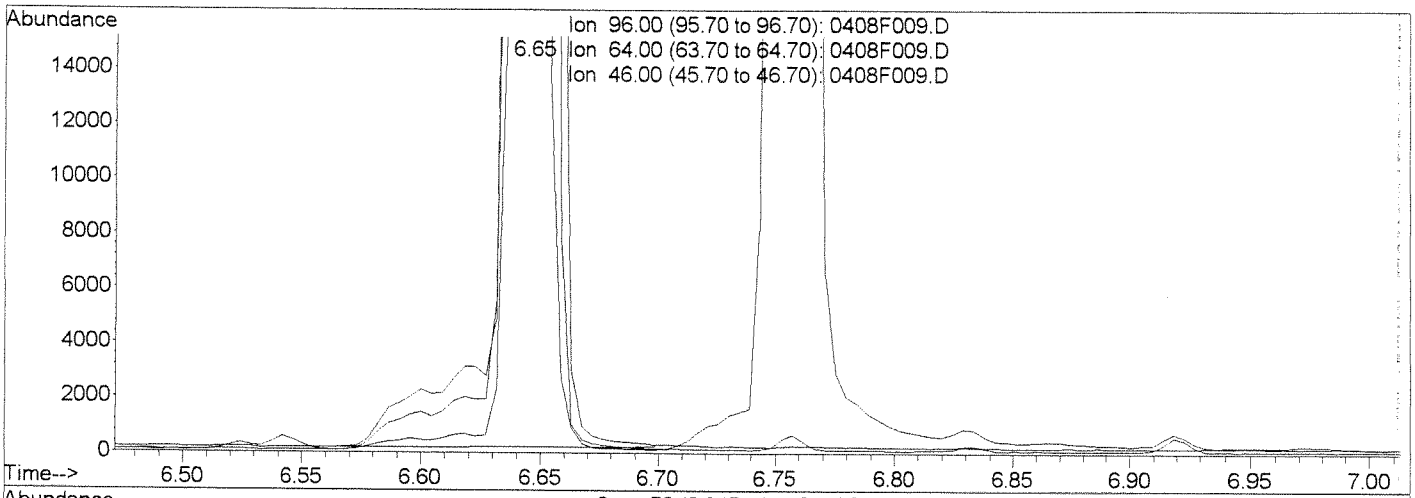
0408F009.D 0408DXNDMA.M Wed Apr 09 09:08:45 2008

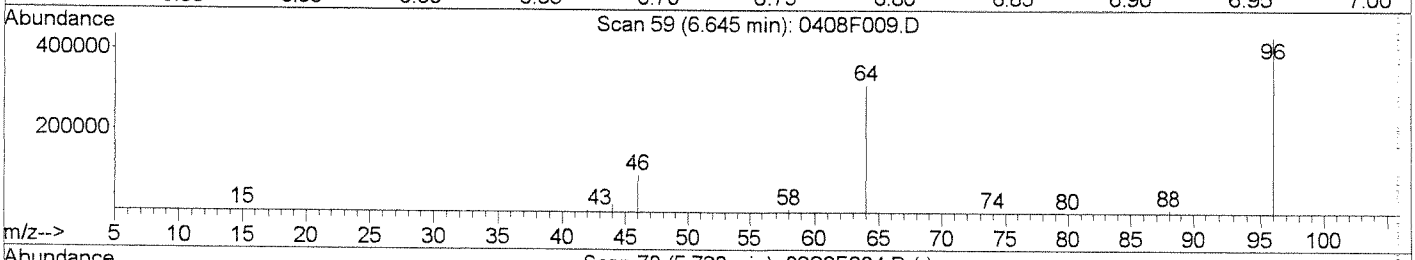
Quantitation Report (Qedit)

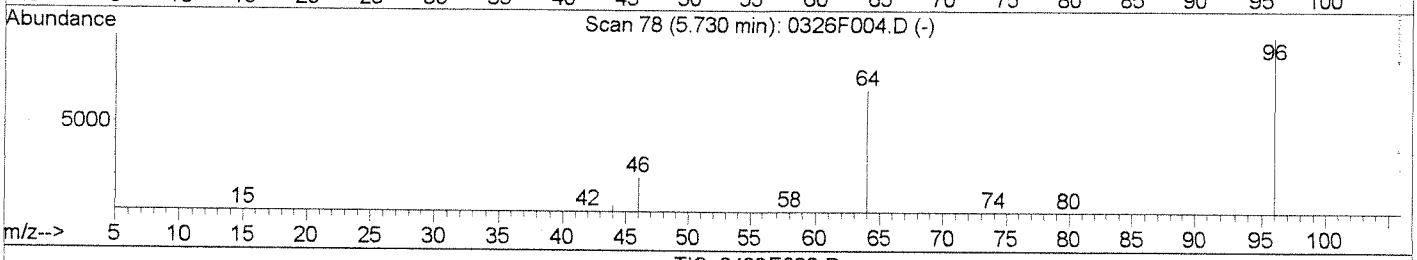
Data File : J:\MS20\DATA\040808\0408F009.D
Acq On : 8 Apr 2008 19:58
Sample : DXNDMA @ 500 PPB SVM25-26I
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:08 2008

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 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

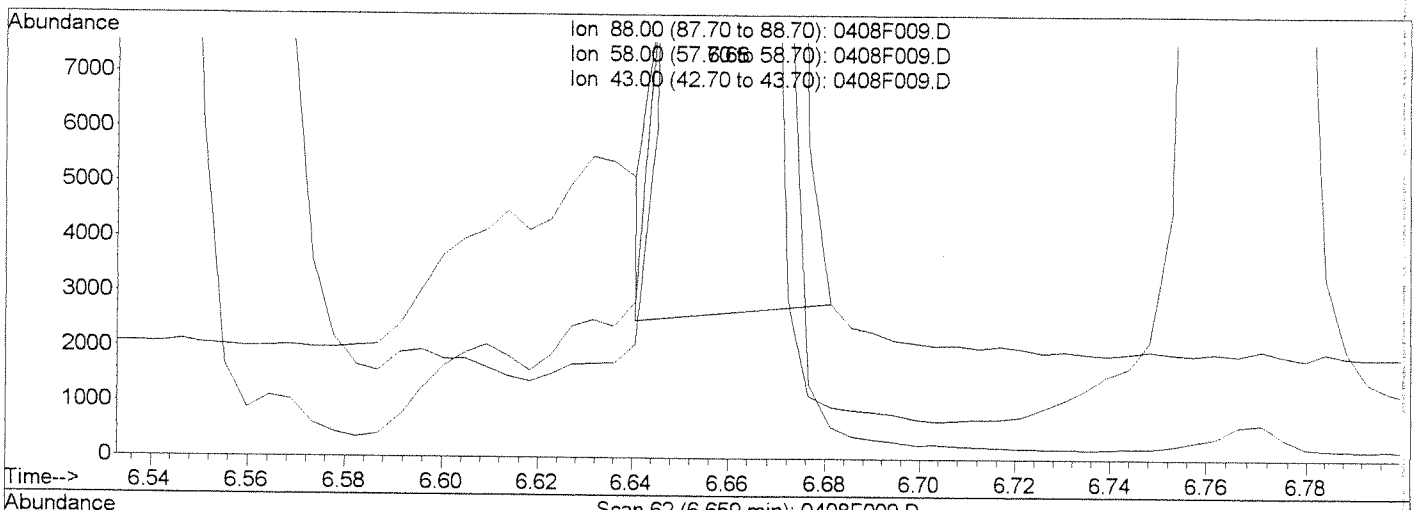
Quantitation Report (Qedit)

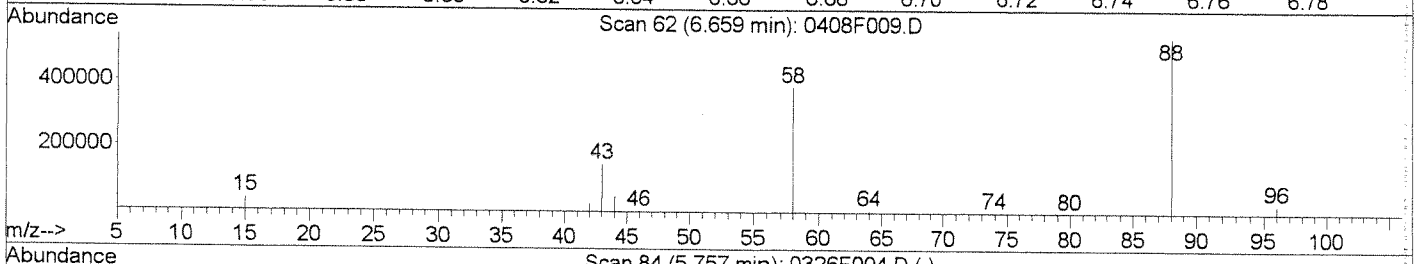
Data File : J:\MS20\DATA\040808\0408F009.D
Acq On : 8 Apr 2008 19:58
Sample : DXNDMA @ 500 PPB SVM25-26I
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:08 2008

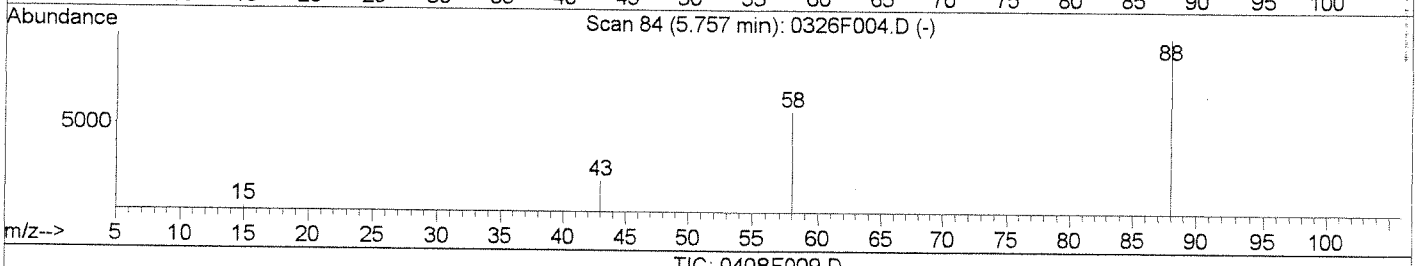
Vial: 9
Operator: JGISH
Inst : MS20
Multiplr: 1.00

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

(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

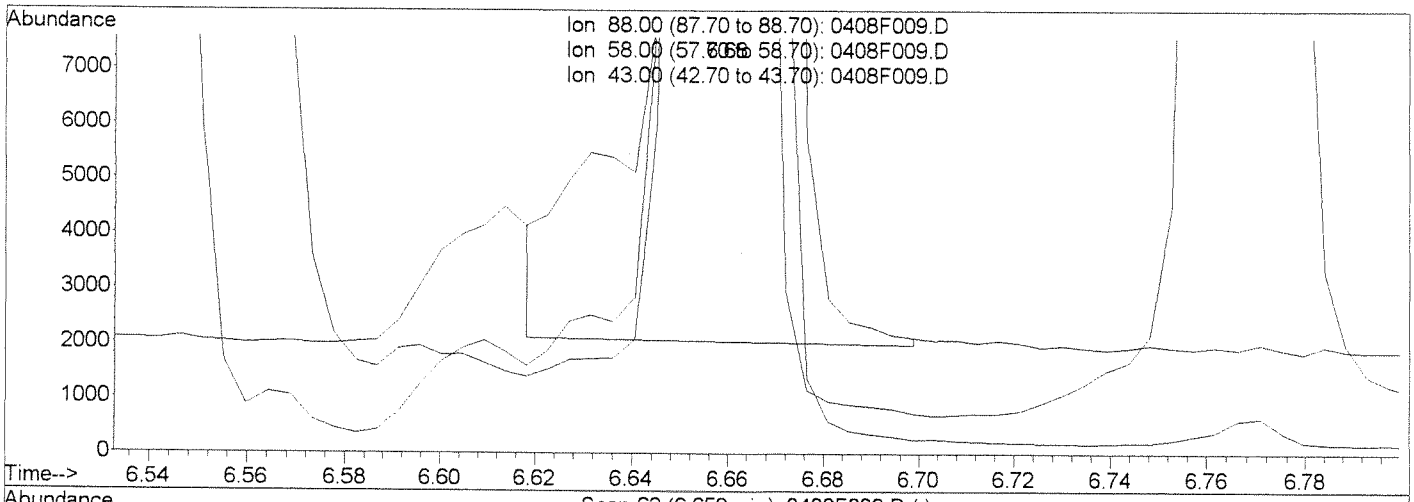
Quantitation Report (Qedit)

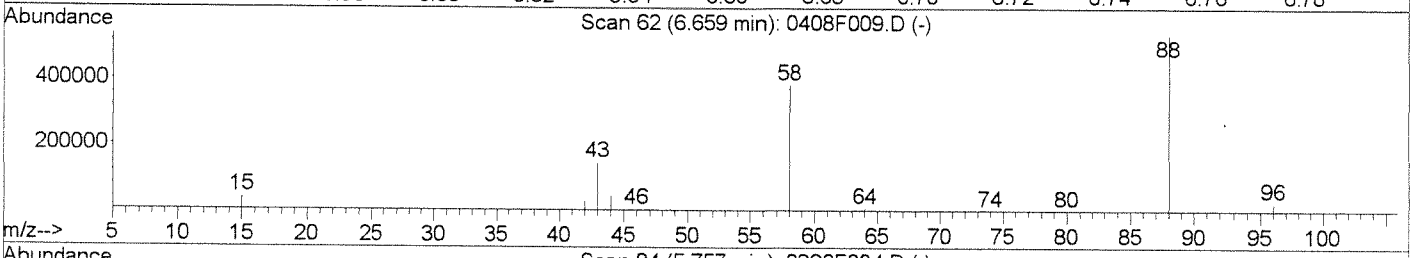
Data File : J:\MS20\DATA\040808\0408F009.D
Acq On : 8 Apr 2008 19:58
Sample : DXNDMA @ 500 PPB SVM25-26I
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:09 2008

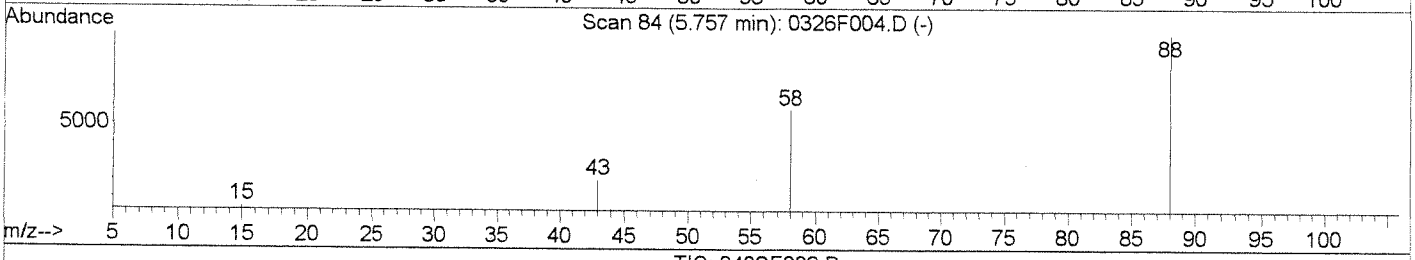
Vial: 9
Operator: JGISH
Inst : MS20
Multiplr: 1.00

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

(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 JC

0408F009.D 0408DXNDMA.M Wed Apr 09 09:09:26 2008

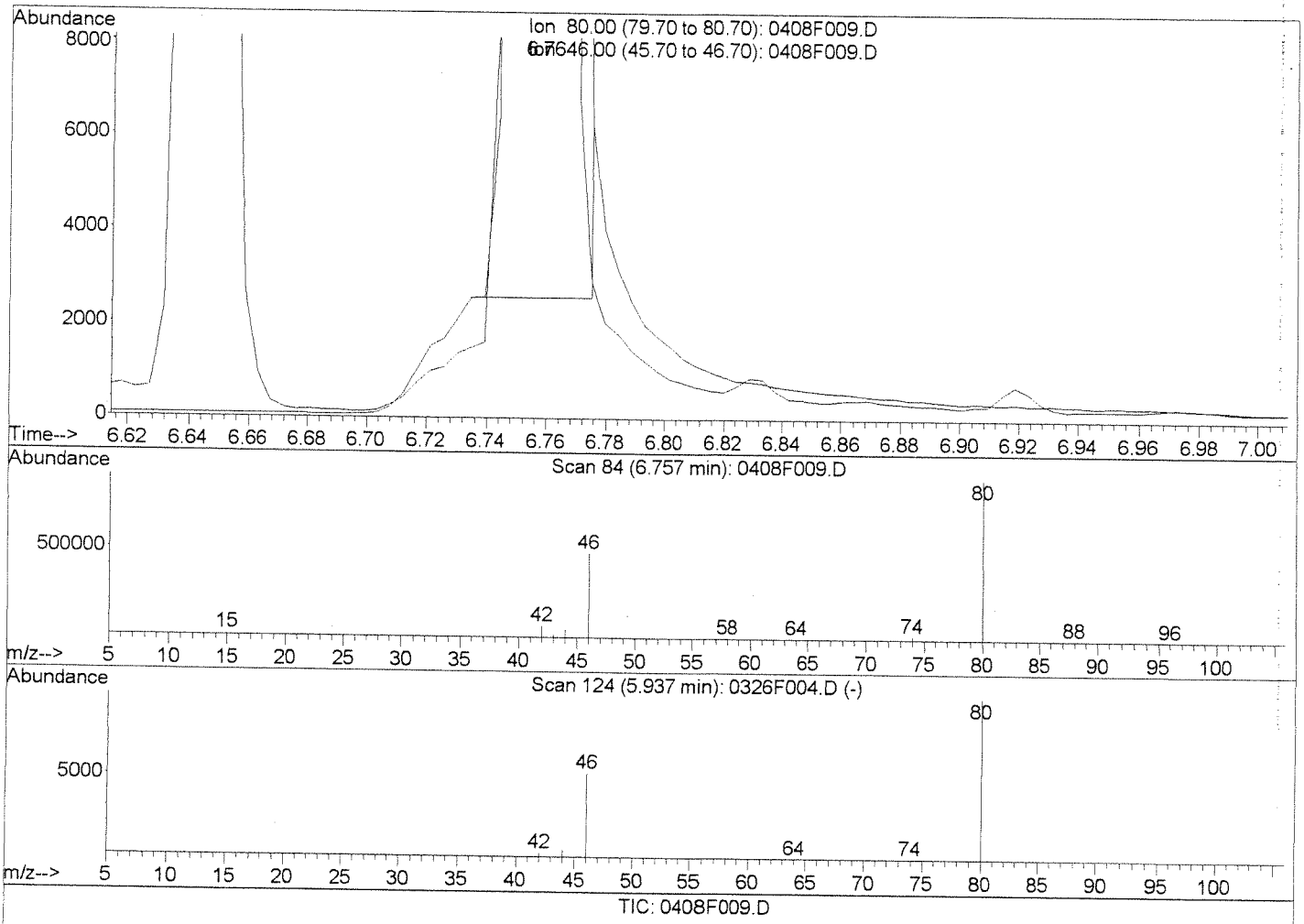
Quantitation Report (Qedit)

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 9:09 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

(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

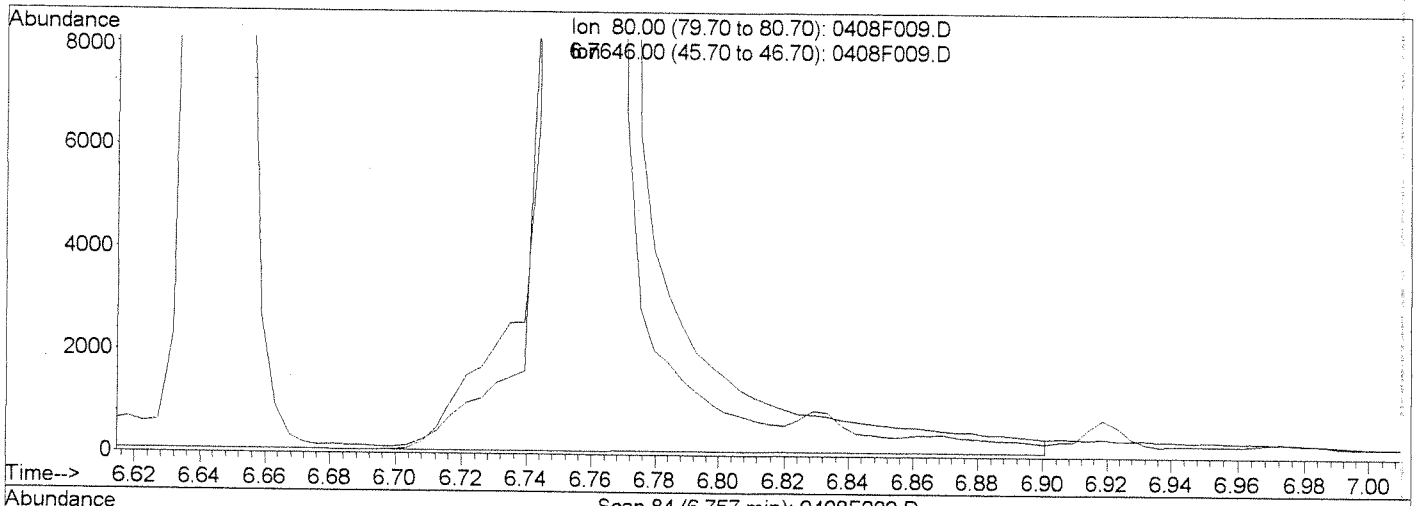
Quantitation Report (Qedit)

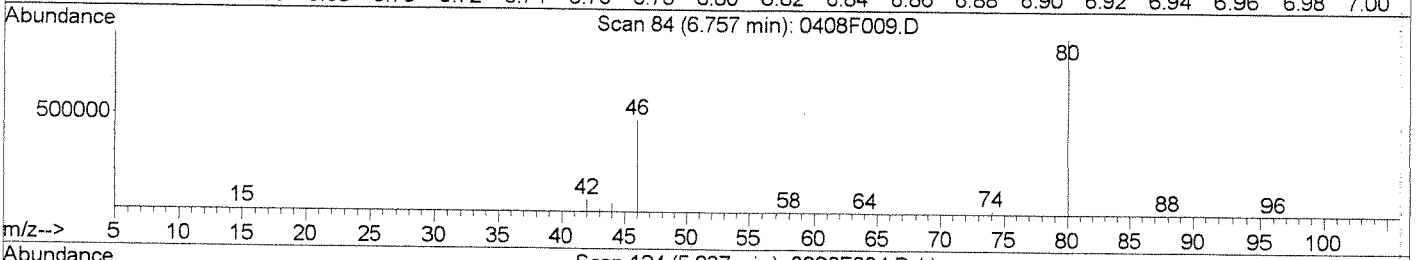
Data File : J:\MS20\DATA\040808\0408F009.D
Acq On : 8 Apr 2008 19:58
Sample : DXNDMA @ 500 PPB SVM25-26I
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 9:09 2008

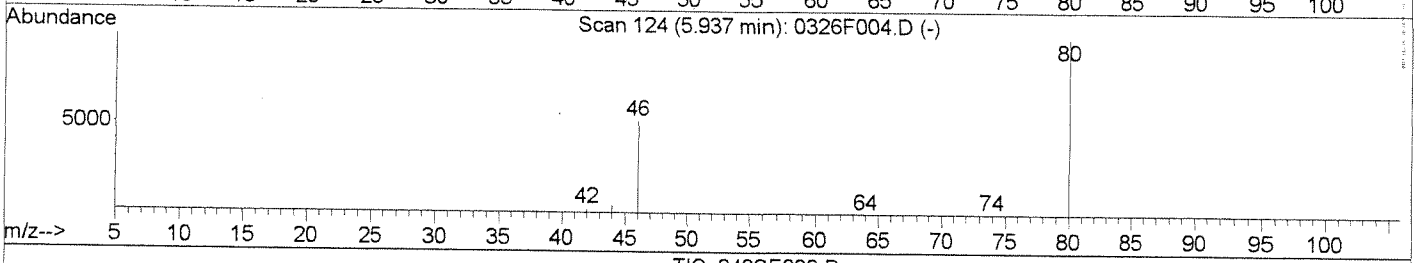
Vial: 9
Operator: JGISH
Inst : MS20
Multiplr: 1.00

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

(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	**Service Request:**	K0802796
Project:	Kuhlman Electric	**Date Analyzed:**	04/09/2008

Continuing Calibration Verification Summary
1,4-Dioxane by GC/MS

Calibration Type:	Internal Standard	**Calibration Date:**	04/08/2008
Analysis Method:	8270C SIM	**Calibration ID:**	CAL7233
		Analysis Lot:	KWG0803281
		Units:	ng/ml

File ID: J:\MS20\DATA\040908\0409F002.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
1,4-Dioxane	50	44	0.01	0.509	0.450	-11	NA	± 20 %	AverageRF
1,4-Dioxane-d8	50	44	0.01	0.416	0.366	-12	NA	± 20 %	AverageRF

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

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

Exception Report

Data File: J:\MS20\DATA\040908\0409F002.D
Lab ID: KWG0803281-2
RunType: CCV
Matrix: WATER

Date Acquired: 04/09/2008 11:48
Date Quantitated: 04/09/2008 12:02
Batch ID: KWG0803281
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: 4/10/08

Secondary Review: cc 4/10/08

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8270C SIM 14_DI	**Collect Date:**		**Receive Date:**	04/10/2008

Analysis Lot:	KWG0803281	**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\040908\0409F001.D	**Method ID:**	MJ402
MB Ref:		**Quant based on Method**	

Data File:	J:\MS20\DATA\040908\0409F002.D			**Instrument:**	MS20
Acqu Date:	04/09/2008 11:48	**Quant Date:**	04/09/2008 12:02	**Vial:**	2
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG0803281-2			**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	81877m	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	29944	44.00		55-100	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	1,4-Dioxane	6.69			88	36877	44.26			

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\040908\0409F002.D Vial: 2
Acq On : 9 Apr 2008 11:48 Operator: JGISH
Sample : DXNDMA @ 50 PPB SVM25-90A Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 09 12:02:29 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

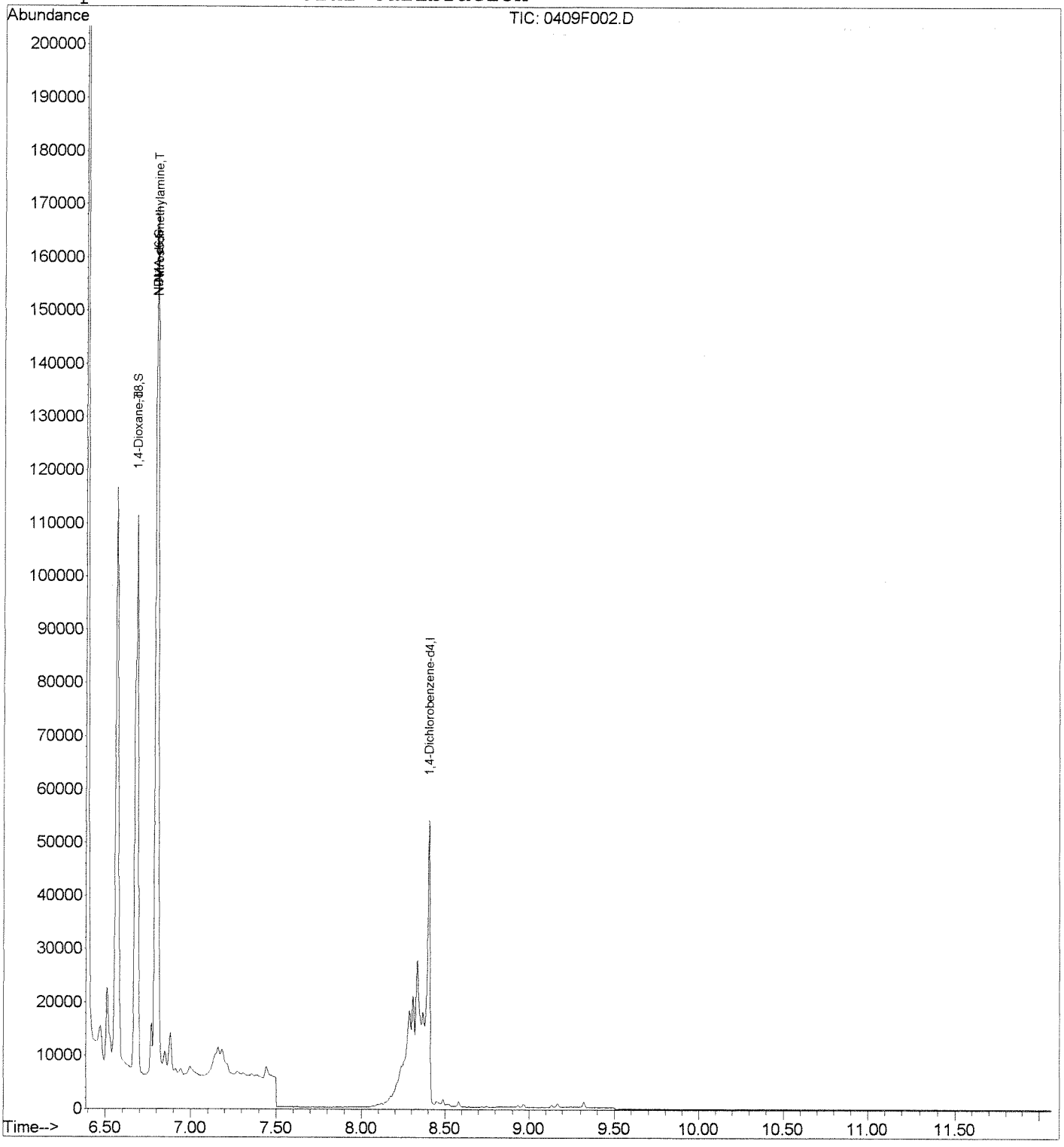
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.40	152	81877m	50.00	ng/ml	-0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	6.67	96	29944	44.00	ng/ml	-0.02
Spiked Amount 50.000			Recovery = 88.00%			
5) NDMA-d6	6.79	80	55518	47.05	ng/ml	-0.02
Spiked Amount 50.000			Recovery = 94.10%			
Target Compounds						Qvalue
2) 1,4-Dioxane	6.69	88	36877	44.26	ng/ml	91
4) N-Nitrosodimethylamine	6.80	74	56396	47.14	ng/ml	91

(#) = qualifier out of range (m) = manual integration
0409F002.D 0408DXNDMA.M Wed Apr 09 12:03:20 2008 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS20\DATA\040908\0409F002.D Vial: 2
Acq On : 9 Apr 2008 11:48 Operator: JGISH
Sample : DXNDMA @ 50 PPB SVM25-90A Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 12:02 2008 Quant Results File: 0408DXNDMA.R

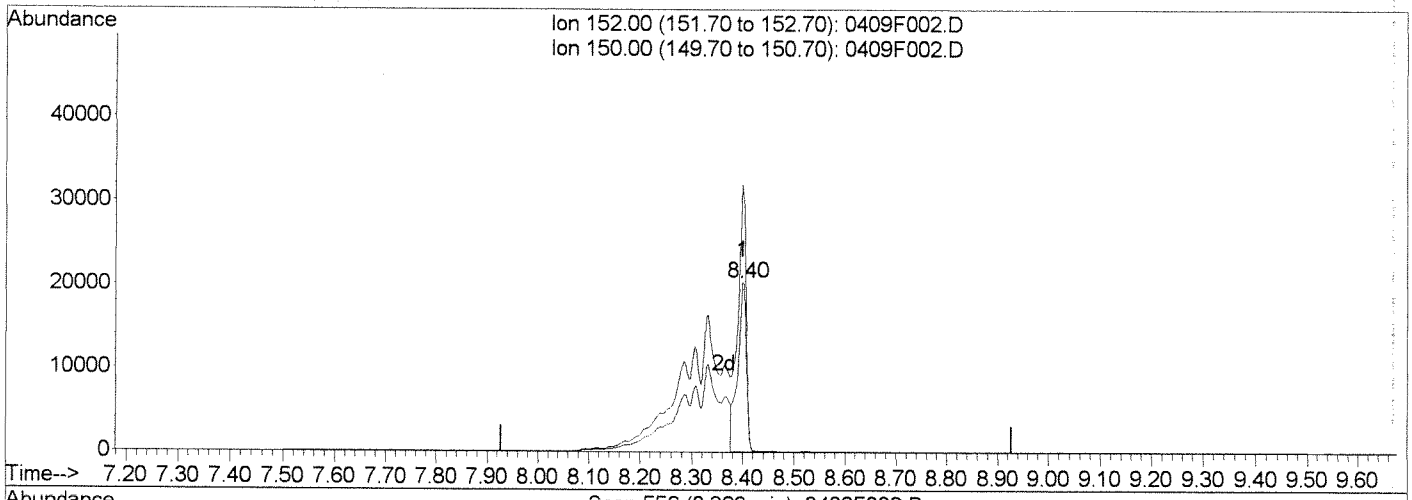
Method : J:\MS20\METHODS\0408DXNDMA.M (RTE Integrator)
Title : SVO_SIM
Last Update : Wed Apr 09 10:13:32 2008
Response via : Initial Calibration

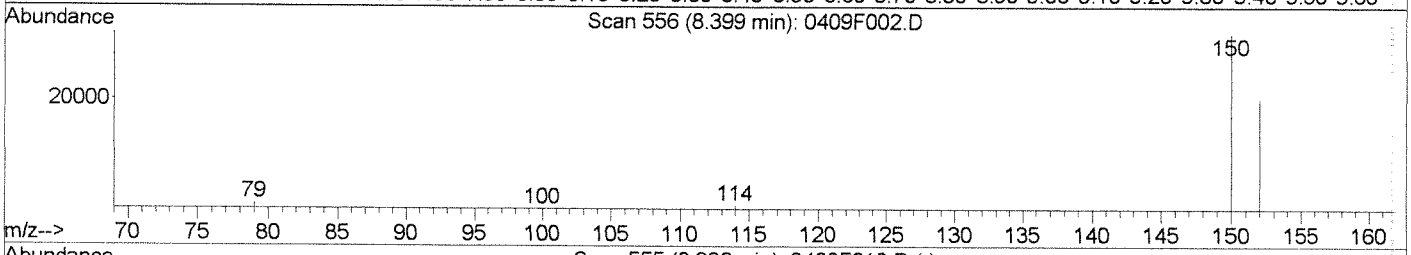


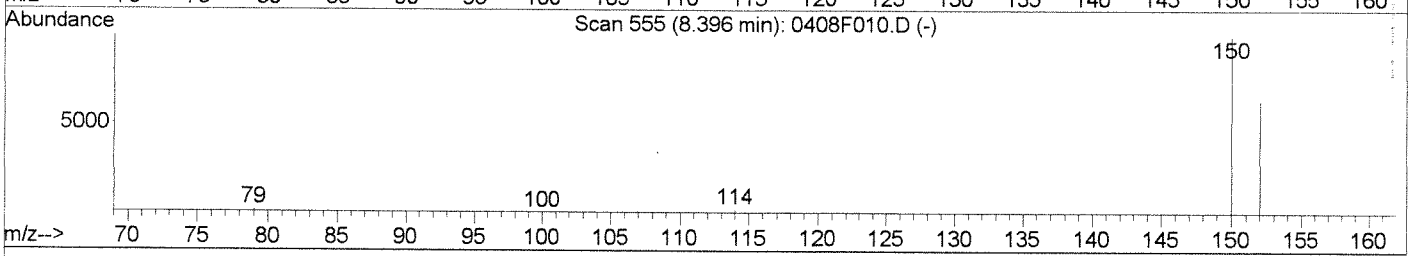
Quantitation Report (Qedit)

Data File : J:\MS20\DATA\040908\0409F002.D Vial: 2
Acq On : 9 Apr 2008 11:48 Operator: JGISH
Sample : DXNDMA @ 50 PPB SVM25-90A Inst : MS20
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 9 12:02 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: 0409F002.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.40min 50.00ng/ml

response 24243

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	158.08
0.00	0.00	0.00
0.00	0.00	0.00

0409F002.D 0408DXNDMA.M Wed Apr 09 12:02:38 2008

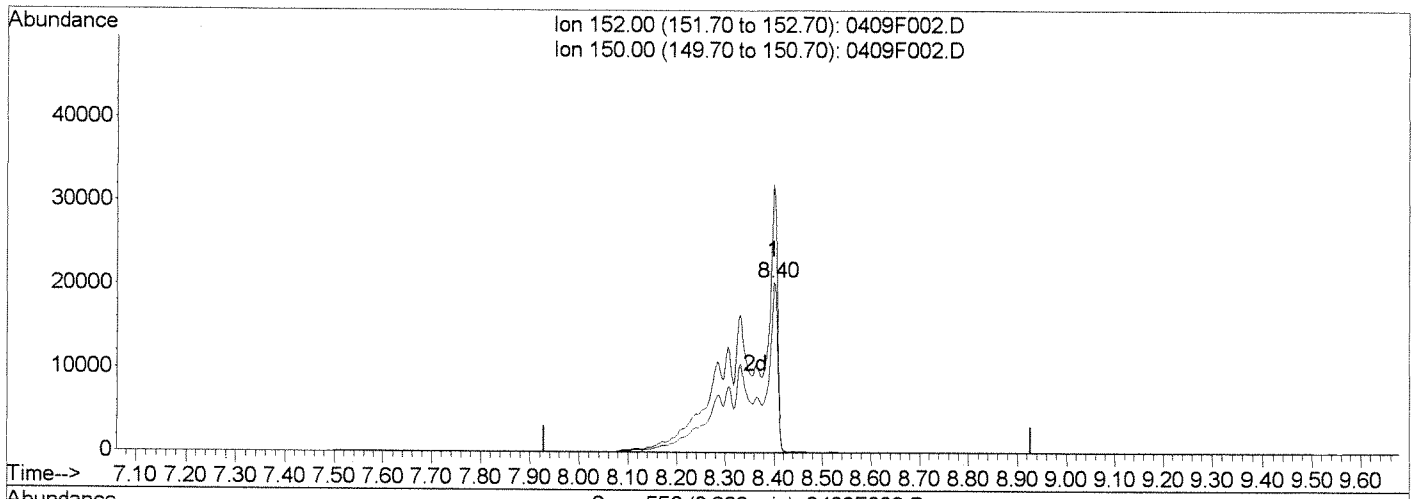
Quantitation Report (Qedit)

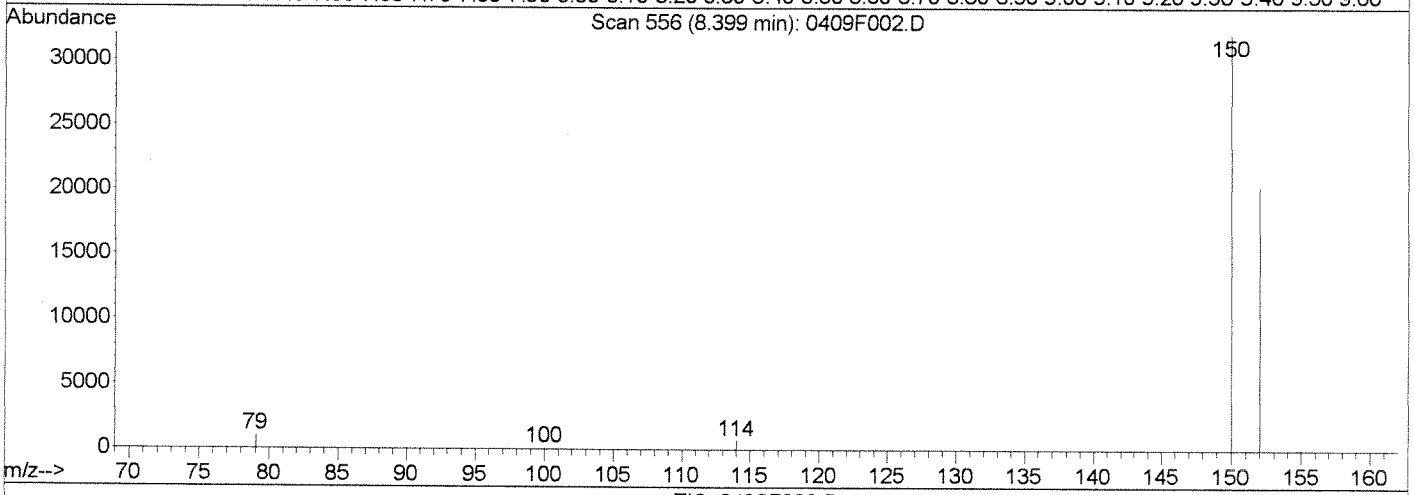
Data File : J:\MS20\DATA\040908\0409F002.D
Acq On : 9 Apr 2008 11:48
Sample : DXNDMA @ 50 PPB SVM25-90A
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 9 12:02 2008

Vial: 2
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: 0409F002.D

(1) 1,4-Dichlorobenzene-d4 (I)

8.40min 50.00ng/ml m

response 81877

Ion	Exp%	Act%
152.00	100	100
150.00	154.80	158.08
0.00	0.00	0.00
0.00	0.00	0.00

4/9/12 IC

4/16/12

0409F002.D 0408DXNDMA.M Wed Apr 09 12:06:51 2008

Organic Analysis:
1,4-Dioxane by GC/MS

Validation Package

Sample Prep and Screen Data

Preparation Information

Group ID:	KWG0803108	**Prep Method:**	METHOD	**Prep Date:**	04/04/08 00:00
Department:	Semivoa GCMS				

Lab Code	Client ID	Product	Matrix	Amt. Ext.	Final Vol.
K0802796-001	KEP-GW-020A-003	8270C SIM 14_D	WATER	100ml	25ml
K0802796-002	KEP-GW-020B-003	8270C SIM 14_D	WATER	100ml	25ml
K0802796-003	Duplcate 2	8270C SIM 14_D	WATER	100ml	25ml
K0802880-001	CSW-WA1-023	8270C SIM 14_D	WATER	100ml	25ml
K0802880-002	Duplicate	8270C SIM 14_D	WATER	100ml	25ml
KWG0803108-1	Lab Control Sample	8270C SIM 14_D	WATER	100ml	25ml
KWG0803108-2	Duplicate Lab Control Sampl	8270C SIM 14_D	WATER	100ml	25ml
KWG0803108-3	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
K0802796-001	699168	SVM25-54F	50uL			JEpps
K0802796-002	699169	SVM25-54F	50uL			JEpps
K0802796-003	699170	SVM25-54F	50uL			JEpps
K0802880-001	699171	SVM25-54F	50uL			JEpps
K0802880-002	699172	SVM25-54F	50uL			JEpps
KWG0803108-1	699173	SVM25-54F	50uL	SVM24-96C	50uL	JEpps
KWG0803108-2	699174	SVM25-54F	50uL	SVM24-96C	50uL	JEpps
KWG0803108-3	699175	SVM25-54F	50uL			JEpps

Comments: IS SVM 25-29D

Started By: CSethe Assisted By: _____ Training: Yes / No

Completed By: CSethe Assisted By: _____ Yes / No

Reviewed By: _____ Date: 4/6/8 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:	KWG0803108	**Prep Method:**	METHOD	**Prep Date:**	04/04/08 00:00
Department:	Semivoa GCMS				

#	Lab Code	Client ID	B#	√	Product	Matrix	Amt. Ext. mL	pH	Int. Vol.	Final Vol. mL	Surr. Added 4/4/08	Spike Added
1	K0802796-001	KEP-GW-020A-003	NA	✓	8270C SIM 14_DIOXANE	WATER	100	NA	NA	~~50~~ 25	50 mL	NA
2	K0802796-002	KEP-GW-020B-003	↓	✓	8270C SIM 14_DIOXANE	WATER	↓	↓	↓	↓	↓	↓
3	K0802796-003	Duplcate 2	↓	✓	8270C SIM 14_DIOXANE	WATER	↓	↓	↓	↓	↓	↓
4	K0802880-001	CSW-WA1-023	↓	✓	8270C SIM 14_DIOXANE	WATER	↓	↓	↓	↓	↓	↓
5	K0802880-002	Duplicate	↓	✓	8270C SIM 14_DIOXANE	WATER	↓	↓	↓	↓	↓	↓
6	KWG0803108-1	Lab Control Sample	↓	–	8270C SIM 14_DIOXANE	WATER	↓	↓	↓	↓	↓	50 mL
7	KWG0803108-2	Duplicate Lab Control Sample	↓	–	8270C SIM 14_DIOXANE	WATER	↓	↓	↓	↓	↓	↓
8	KWG0803108-3	Method Blank	↓	–	8270C SIM 14_DIOXANE	WATER	↓	↓	↓	↓	↓	NA

Comments: ~~PR#~~ 65027 1/2 FV

Surrogate ID: SVM25-54F exp 2-12-09 use 50 ul @ 50 PPM

Spike ID: SVM24-96C exp 7-1-08 use 50 ul @ 50 PPM

Witness: JEpps 4/4/08

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 K0802796 **Workgroup** KWG0803108

Pre-Prep Information:

DCM Lot 47311

Batch Start (Time/Date/Initial): 8:20am / 4/4/08 / JE and CGS

Batch Stop (Time/Date/Initial): 10:00am / 4/4/08 / JE and CGS

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

Instrument RunLog

Instrument ID: MS20 **Instrument Type:** MS
Department: Semivoa GCMS
Analysis Lot: KWG0803281

FileSpecification	Type	Laboratory ID	Client ID	Product	Matrix	Dilution	Acquisition Started	Acquisition Ended
J:\MS20\DATA\040908\0409F001.D	DFTPP	KWG0803281-1	GC/MS Tuning - Dec	8270C SIM 14_	WATER	1.0	04/09/2008 11:24:00	04/09/2008 11:38:47
J:\MS20\DATA\040908\0409F002.D	CCV	KWG0803281-2	Continuing Calibration	8270C SIM 14_	WATER	1.0	04/09/2008 11:48:00	04/09/2008 12:00:04
J:\MS20\DATA\040908\0409F003.D	MB	KWG0803108-3	Method Blank	8270C SIM 14_	WATER	1.0	04/09/2008 12:08:00	04/09/2008 12:20:04
J:\MS20\DATA\040908\0409F004.D	LCS	KWG0803108-1	Lab Control Sample	8270C SIM 14_	WATER	1.0	04/09/2008 12:27:00	04/09/2008 12:39:04
J:\MS20\DATA\040908\0409F005.D	DLCS	KWG0803108-2	Duplicate Lab Control S	8270C SIM 14_	WATER	1.0	04/09/2008 12:46:00	04/09/2008 12:58:04
J:\MS20\DATA\040908\0409F006.D	SMPL	K0802796-001	KEP-GW-020A-003	8270C SIM 14_	WATER	1.0	04/09/2008 13:05:00	04/09/2008 13:17:04
J:\MS20\DATA\040908\0409F007.D	SMPL	K0802796-002	KEP-GW-020B-003	8270C SIM 14_	WATER	1.0	04/09/2008 13:26:00	04/09/2008 13:38:04
J:\MS20\DATA\040908\0409F008.D	SMPL	K0802796-003	Duplcate 2	8270C SIM 14_	WATER	1.0	04/09/2008 13:46:00	04/09/2008 13:58:04
J:\MS20\DATA\040908\0409F009.D	SMPL	K0802880-001	CSW-WA1-023	8270C SIM 14_	WATER	1.0	04/09/2008 14:05:00	04/09/2008 14:17:04
J:\MS20\DATA\040908\0409F010.D	SMPL	K0802880-002	Duplicate	8270C SIM 14_	WATER	1.0	04/09/2008 14:24:00	04/09/2008 14:36:04
J:\MS20\DATA\040908\0409F011.D	MB	KWG0802999-4	Method Blank	8270C SIM 14_	WATER	1.0	04/09/2008 14:43:00	04/09/2008 14:55:04
J:\MS20\DATA\040908\0409F012.D	LCS	KWG0802999-3	Lab Control Sample	8270C SIM 14_	WATER	1.0	04/09/2008 15:03:00	04/09/2008 15:15:04
J:\MS20\DATA\040908\0409F013.D	MS	KWG0802999-1	Matrix Spike	8270C SIM 14_	WATER	1.0	04/09/2008 15:22:00	04/09/2008 15:34:04
J:\MS20\DATA\040908\0409F014.D	DMS	KWG0802999-2	Duplicate Matrix Spike	8270C SIM 14_	WATER	1.0	04/09/2008 15:41:00	04/09/2008 15:53:04
J:\MS20\DATA\040908\0409F015.D	SMPL	K0802593-004	CTMW-9-0308	8270C SIM 14_	WATER	1.0	04/09/2008 16:00:00	04/09/2008 16:12:04
J:\MS20\DATA\040908\0409F016.D	SMPL	K0802593-006	CTMW-25D-0308	8270C SIM 14_	WATER	1.0	04/09/2008 16:20:00	04/09/2008 16:32:04
J:\MS20\DATA\040908\0409F017.D	SMPL	K0802593-009	CTMW-7-0308	8270C SIM 14_	WATER	1.0	04/09/2008 16:39:00	04/09/2008 16:51:04
J:\MS20\DATA\040908\0409F018.D	SMPL	K0802593-010	CTMW-9-7-0308	8270C SIM 14_	WATER	1.0	04/09/2008 16:58:00	04/09/2008 17:10:04
J:\MS20\DATA\040908\0409F019.D	SMPL	K0802593-019	CTMW-24D-0308	8270C SIM 14_	WATER	1.0	04/09/2008 17:18:00	04/09/2008 17:30:04
J:\MS20\DATA\040908\0409F020.D	SMPL	K0802660-003	GM-08-11	8270C SIM 14_	WATER	1.0	04/09/2008 17:37:00	04/09/2008 17:49:04
J:\MS20\DATA\040908\0409F021.D	SMPL	K0802660-004	GM-08-12	8270C SIM 14_	WATER	1.0	04/09/2008 17:56:00	04/09/2008 18:08:04
J:\MS20\DATA\040908\0409F022.D	SMPL	K0802660-005	GM-08-13	8270C SIM 14_	WATER	1.0	04/09/2008 18:15:00	04/09/2008 18:27:04

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4/10/08 CAL 7233 Run 11 1601 4/10/08