Appendix B
Laboratory Analytical Results

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.009

Sampled: 03/08/11
Received: 03/08/11
Issued: 03/18/11 08:30

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC0526-01	DT-DW-5-S-030811	Water
PUC0526-02	Trip Blank	Water

SAMPLE RECEIPT: Samples were received intact, at 2°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0526-01 (DT-DW-5-S-030811 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0531	10	ND	1	3/14/2011	3/15/2011	L3
Benzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromoform	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Chloroform	EPA 8260B	11C0531	0.50	**0.65**	1	3/14/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0526-01 (DT-DW-5-S-030811 - Water) - cont.

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
2-Hexanone	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Isopropylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Styrene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Toluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0531	0.50	**0.54**	1	3/14/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Vinyl chloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Freon 113	EPA 8260B	11C0531	2.0	ND	1	3/14/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*92 %*				
Surrogate: Toluene-d8 (70-130%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0526-02 (Trip Blank - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0531	10	ND	1	3/14/2011	3/14/2011	L3
Benzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromodichloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromoform	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Bromomethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
2-Butanone (MEK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
n-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
sec-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
tert-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Carbon disulfide	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Carbon tetrachloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Chlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Chloroethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Chloroform	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Chloromethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
2-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
4-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Dibromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Dibromomethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Dichlorodifluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,3-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
2,2-Dichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,1-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Ethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Hexachlorobutadiene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0526-02 (Trip Blank - Water) - cont.

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
2-Hexanone	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
Iodomethane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
Isopropylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
p-Isopropyltoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Methylene Chloride	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Naphthalene	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
n-Propylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Styrene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Tetrachloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Toluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Trichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Trichlorofluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Vinyl Acetate	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Vinyl chloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Xylenes, Total	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Freon 113	EPA 8260B	11C0531	2.0	ND	1	3/14/2011	3/14/2011	
Surrogate: Dibromofluoromethane (70-130%)				*97 %*				
Surrogate: Toluene-d8 (70-130%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*105 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0526-01 (DT-DW-5-S-030811 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	**1.1**	1	3/9/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*57 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*72 %*				

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Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Blank Analyzed: 03/14/2011 (11C0531-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Blank Analyzed: 03/14/2011 (11C0531-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*23.7*		*ug/l*	*25.0*		*95*	*70-130*			
Surrogate: Toluene-d8	*24.3*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.4*		*ug/l*	*25.0*		*101*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
LCS Analyzed: 03/14/2011 (11C0531-BS1)										
Acetone	35.3	10	ug/l	25.0		141	30-150			
Benzene	23.2	0.50	ug/l	25.0		93	70-130			
Bromobenzene	24.8	0.50	ug/l	25.0		99	70-130			
Bromochloromethane	23.7	0.50	ug/l	25.0		95	70-130			
Bromodichloromethane	22.2	0.50	ug/l	25.0		89	70-130			
Bromoform	24.2	1.0	ug/l	25.0		97	67-122			
Bromomethane	21.5	1.0	ug/l	25.0		86	64-132			
2-Butanone (MEK)	29.8	2.5	ug/l	25.0		119	48-150			
n-Butylbenzene	26.0	0.50	ug/l	25.0		104	70-130			
sec-Butylbenzene	26.0	0.50	ug/l	25.0		104	70-130			
tert-Butylbenzene	25.7	0.50	ug/l	25.0		103	70-130			
Carbon disulfide	24.3	0.50	ug/l	25.0		97	61-126			
Carbon tetrachloride	23.6	0.50	ug/l	25.0		95	70-130			
Chlorobenzene	23.2	0.50	ug/l	25.0		93	70-130			
Chloroethane	24.8	1.0	ug/l	25.0		99	69-128			
Chloroform	23.3	0.50	ug/l	25.0		93	70-130			
Chloromethane	22.0	1.0	ug/l	25.0		88	56-131			
2-Chlorotoluene	24.9	0.50	ug/l	25.0		100	70-130			
4-Chlorotoluene	25.3	0.50	ug/l	25.0		101	70-130			
Dibromochloromethane	23.2	0.50	ug/l	25.0		93	70-130			
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0		91	63-129			
1,2-Dibromoethane (EDB)	23.2	0.50	ug/l	25.0		93	70-130			
Dibromomethane	23.2	0.50	ug/l	25.0		93	70-130			
1,2-Dichlorobenzene	24.9	0.50	ug/l	25.0		100	70-130			
1,3-Dichlorobenzene	24.3	0.50	ug/l	25.0		97	70-130			
1,4-Dichlorobenzene	24.9	0.50	ug/l	25.0		100	70-130			
Dichlorodifluoromethane	22.2	0.50	ug/l	25.0		89	42-150			
1,1-Dichloroethane	24.5	0.50	ug/l	25.0		98	70-130			
1,2-Dichloroethane	23.6	0.50	ug/l	25.0		94	72-133			
1,1-Dichloroethene	25.3	0.50	ug/l	25.0		101	70-130			
cis-1,2-Dichloroethene	22.9	0.50	ug/l	25.0		92	70-130			
trans-1,2-Dichloroethene	24.1	0.50	ug/l	25.0		97	70-130			
1,2-Dichloropropane	22.4	0.50	ug/l	25.0		90	70-130			
1,3-Dichloropropane	22.7	0.50	ug/l	25.0		91	70-130			
2,2-Dichloropropane	23.7	1.0	ug/l	25.0		95	70-130			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
LCS Analyzed: 03/14/2011 (11C0531-BS1)										
1,1-Dichloropropene	24.1	0.50	ug/l	25.0		97	70-130			
cis-1,3-Dichloropropene	23.1	0.50	ug/l	25.0		92	70-130			
trans-1,3-Dichloropropene	24.5	0.50	ug/l	25.0		98	70-130			
Ethylbenzene	23.0	0.50	ug/l	25.0		92	70-130			
Hexachlorobutadiene	27.8	1.0	ug/l	25.0		111	70-130			
2-Hexanone	32.4	2.5	ug/l	25.0		129	44-150			
Iodomethane	30.2	2.5	ug/l	25.0		121	58-138			
Isopropylbenzene	28.0	0.50	ug/l	25.0		112	70-130			
p-Isopropyltoluene	25.7	0.50	ug/l	25.0		103	70-130			
Methylene Chloride	23.3	1.0	ug/l	25.0		93	70-130			
4-Methyl-2-pentanone (MIBK)	25.6	2.5	ug/l	25.0		102	61-142			
Methyl-tert-butyl Ether (MTBE)	23.7	0.50	ug/l	25.0		95	70-130			
Naphthalene	27.7	2.5	ug/l	25.0		111	65-129			
n-Propylbenzene	26.7	0.50	ug/l	25.0		107	70-130			
Styrene	24.3	0.50	ug/l	25.0		97	70-130			
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0		88	70-130			
1,1,2,2-Tetrachloroethane	25.5	0.50	ug/l	25.0		102	70-130			
Tetrachloroethene	23.8	0.50	ug/l	25.0		95	70-130			
Toluene	22.9	0.50	ug/l	25.0		91	70-130			
1,2,3-Trichlorobenzene	27.0	1.0	ug/l	25.0		108	70-130			
1,2,4-Trichlorobenzene	27.3	1.0	ug/l	25.0		109	70-130			
1,1,1-Trichloroethane	23.4	0.50	ug/l	25.0		94	70-130			
1,1,2-Trichloroethane	22.8	0.50	ug/l	25.0		91	70-130			
Trichloroethene	22.3	0.50	ug/l	25.0		89	70-130			
Trichlorofluoromethane	27.9	0.50	ug/l	25.0		112	78-149			
1,2,3-Trichloropropane	26.0	1.0	ug/l	25.0		104	70-130			
1,2,4-Trimethylbenzene	26.2	0.50	ug/l	25.0		105	70-130			
1,3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0		101	70-130			
Vinyl Acetate	36.8	1.0	ug/l	25.0		147	57-149			
Vinyl chloride	25.1	0.50	ug/l	25.0		101	66-134			
Xylenes, Total	47.9	1.0	ug/l	50.0		96	70-130			
Freon 113	25.1	2.0	ug/l	25.0		100	63-136			
Surrogate: Dibromofluoromethane	*24.7*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.9*		*ug/l*	*25.0*		*96*	*70-130*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
LCS Dup Analyzed: 03/14/2011 (11C0531-BSD1)										
Acetone	38.8	10	ug/l	25.0		155	30-150	9	35	*L3*
Benzene	23.0	0.50	ug/l	25.0		92	70-130	1	20	
Bromobenzene	25.0	0.50	ug/l	25.0		100	70-130	0.6	20	
Bromochloromethane	23.7	0.50	ug/l	25.0		95	70-130	0.04	20	
Bromodichloromethane	23.0	0.50	ug/l	25.0		92	70-130	4	20	
Bromoform	25.2	1.0	ug/l	25.0		101	67-122	4	20	
Bromomethane	22.0	1.0	ug/l	25.0		88	64-132	2	20	
2-Butanone (MEK)	31.1	2.5	ug/l	25.0		124	48-150	4	33	
n-Butylbenzene	25.2	0.50	ug/l	25.0		101	70-130	3	20	
sec-Butylbenzene	25.1	0.50	ug/l	25.0		101	70-130	4	20	
tert-Butylbenzene	24.3	0.50	ug/l	25.0		97	70-130	6	20	
Carbon disulfide	23.4	0.50	ug/l	25.0		94	61-126	4	20	
Carbon tetrachloride	23.8	0.50	ug/l	25.0		95	70-130	0.6	20	
Chlorobenzene	22.9	0.50	ug/l	25.0		92	70-130	1	20	
Chloroethane	24.0	1.0	ug/l	25.0		96	69-128	3	20	
Chloroform	22.9	0.50	ug/l	25.0		92	70-130	2	20	
Chloromethane	21.6	1.0	ug/l	25.0		86	56-131	2	20	
2-Chlorotoluene	23.9	0.50	ug/l	25.0		96	70-130	4	20	
4-Chlorotoluene	24.2	0.50	ug/l	25.0		97	70-130	4	20	
Dibromochloromethane	24.1	0.50	ug/l	25.0		97	70-130	4	20	
1,2-Dibromo-3-chloropropane	24.4	2.5	ug/l	25.0		98	63-129	7	25	
1,2-Dibromoethane (EDB)	24.2	0.50	ug/l	25.0		97	70-130	4	20	
Dibromomethane	25.0	0.50	ug/l	25.0		100	70-130	7	20	
1,2-Dichlorobenzene	24.4	0.50	ug/l	25.0		98	70-130	2	20	
1,3-Dichlorobenzene	24.2	0.50	ug/l	25.0		97	70-130	0.4	20	
1,4-Dichlorobenzene	24.3	0.50	ug/l	25.0		97	70-130	3	20	
Dichlorodifluoromethane	20.9	0.50	ug/l	25.0		84	42-150	6	20	
1,1-Dichloroethane	23.0	0.50	ug/l	25.0		92	70-130	6	20	
1,2-Dichloroethane	23.9	0.50	ug/l	25.0		96	72-133	1	20	
1,1-Dichloroethene	24.6	0.50	ug/l	25.0		98	70-130	3	20	
cis-1,2-Dichloroethene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
trans-1,2-Dichloroethene	22.7	0.50	ug/l	25.0		91	70-130	6	20	
1,2-Dichloropropane	23.4	0.50	ug/l	25.0		94	70-130	4	20	
1,3-Dichloropropane	23.8	0.50	ug/l	25.0		95	70-130	5	20	
2,2-Dichloropropane	23.1	1.0	ug/l	25.0		92	70-130	3	20	

TestAmerica Phoenix

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Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
LCS Dup Analyzed: 03/14/2011 (11C0531-BSD1)										
1,1-Dichloropropene	24.0	0.50	ug/l	25.0		96	70-130	0.5	20	
cis-1,3-Dichloropropene	23.5	0.50	ug/l	25.0		94	70-130	2	20	
trans-1,3-Dichloropropene	25.3	0.50	ug/l	25.0		101	70-130	3	20	
Ethylbenzene	23.4	0.50	ug/l	25.0		93	70-130	1	20	
Hexachlorobutadiene	26.2	1.0	ug/l	25.0		105	70-130	6	20	
2-Hexanone	34.2	2.5	ug/l	25.0		137	44-150	6	31	
Iodomethane	27.9	2.5	ug/l	25.0		112	58-138	8	25	
Isopropylbenzene	27.0	0.50	ug/l	25.0		108	70-130	4	20	
p-Isopropyltoluene	24.8	0.50	ug/l	25.0		99	70-130	3	20	
Methylene Chloride	22.4	1.0	ug/l	25.0		90	70-130	4	20	
4-Methyl-2-pentanone (MIBK)	27.2	2.5	ug/l	25.0		109	61-142	6	22	
Methyl-tert-butyl Ether (MTBE)	24.0	0.50	ug/l	25.0		96	70-130	1	20	
Naphthalene	29.4	2.5	ug/l	25.0		118	65-129	6	20	
n-Propylbenzene	25.3	0.50	ug/l	25.0		101	70-130	5	20	
Styrene	24.1	0.50	ug/l	25.0		97	70-130	0.9	20	
1,1,1,2-Tetrachloroethane	22.3	0.50	ug/l	25.0		89	70-130	2	20	
1,1,2,2-Tetrachloroethane	26.6	0.50	ug/l	25.0		107	70-130	5	20	
Tetrachloroethene	23.1	0.50	ug/l	25.0		92	70-130	3	20	
Toluene	22.6	0.50	ug/l	25.0		90	70-130	1	20	
1,2,3-Trichlorobenzene	27.1	1.0	ug/l	25.0		108	70-130	0.1	20	
1,2,4-Trichlorobenzene	27.0	1.0	ug/l	25.0		108	70-130	0.8	20	
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0		91	70-130	3	20	
1,1,2-Trichloroethane	24.1	0.50	ug/l	25.0		97	70-130	6	20	
Trichloroethene	22.3	0.50	ug/l	25.0		89	70-130	0.2	20	
Trichlorofluoromethane	27.2	0.50	ug/l	25.0		109	78-149	3	20	
1,2,3-Trichloropropane	25.8	1.0	ug/l	25.0		103	70-130	0.7	20	
1,2,4-Trimethylbenzene	24.5	0.50	ug/l	25.0		98	70-130	7	20	
1,3,5-Trimethylbenzene	24.6	0.50	ug/l	25.0		99	70-130	3	20	
Vinyl Acetate	36.1	1.0	ug/l	25.0		144	57-149	2	21	
Vinyl chloride	23.9	0.50	ug/l	25.0		96	66-134	5	20	
Xylenes, Total	47.4	1.0	ug/l	50.0		95	70-130	0.9	20	
Freon 113	23.7	2.0	ug/l	25.0		95	63-136	6	20	
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.1*		*ug/l*	*25.0*		*96*	*70-130*			

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Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Matrix Spike Analyzed: 03/14/2011 (11C0531-MS1)					**Source: PUC0598-01**					
Acetone	20.4	10	ug/l	25.0	ND	81	10-150			
Benzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
Bromobenzene	22.7	0.50	ug/l	25.0	ND	91	70-130			
Bromochloromethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
Bromodichloromethane	21.4	0.50	ug/l	25.0	0.110	85	70-130			
Bromoform	22.4	1.0	ug/l	25.0	ND	90	62-126			
Bromomethane	20.1	1.0	ug/l	25.0	ND	81	55-136			
2-Butanone (MEK)	21.7	2.5	ug/l	25.0	ND	87	22-150			
n-Butylbenzene	23.6	0.50	ug/l	25.0	ND	94	70-130			
sec-Butylbenzene	23.1	0.50	ug/l	25.0	ND	92	70-130			
tert-Butylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Carbon disulfide	23.0	0.50	ug/l	25.0	0.220	91	56-132			
Carbon tetrachloride	23.1	0.50	ug/l	25.0	ND	93	76-131			
Chlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
Chloroethane	22.6	1.0	ug/l	25.0	ND	91	67-134			
Chloroform	21.7	0.50	ug/l	25.0	0.750	84	70-130			
Chloromethane	20.7	1.0	ug/l	25.0	ND	83	50-135			
2-Chlorotoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
4-Chlorotoluene	23.0	0.50	ug/l	25.0	ND	92	70-130			
Dibromochloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dibromo-3-chloropropane	21.4	2.5	ug/l	25.0	ND	86	60-135			
1,2-Dibromoethane (EDB)	22.4	0.50	ug/l	25.0	ND	90	70-130			
Dibromomethane	22.3	0.50	ug/l	25.0	ND	89	70-130			
1,2-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,3-Dichlorobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
1,4-Dichlorobenzene	22.7	0.50	ug/l	25.0	ND	91	70-130			
Dichlorodifluoromethane	19.7	0.50	ug/l	25.0	ND	79	36-150			
1,1-Dichloroethane	21.6	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dichloroethane	21.3	0.50	ug/l	25.0	ND	85	68-143			
1,1-Dichloroethene	23.7	0.50	ug/l	25.0	ND	95	70-130			
cis-1,2-Dichloroethene	21.3	0.50	ug/l	25.0	0.120	85	70-130			
trans-1,2-Dichloroethene	22.6	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3-Dichloropropane	22.3	0.50	ug/l	25.0	ND	89	70-130			
2,2-Dichloropropane	22.3	1.0	ug/l	25.0	ND	89	66-130			

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Matrix Spike Analyzed: 03/14/2011 (11C0531-MS1)					**Source: PUC0598-01**					
1,1-Dichloropropene	23.0	0.50	ug/l	25.0	ND	92	70-130			
cis-1,3-Dichloropropene	22.2	0.50	ug/l	25.0	ND	89	70-130			
trans-1,3-Dichloropropene	23.4	0.50	ug/l	25.0	ND	94	71-132			
Ethylbenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
Hexachlorobutadiene	23.7	1.0	ug/l	25.0	ND	95	66-129			
2-Hexanone	23.2	2.5	ug/l	25.0	ND	93	18-150			
Iodomethane	23.4	2.5	ug/l	25.0	ND	94	47-141			
Isopropylbenzene	25.6	0.50	ug/l	25.0	ND	102	78-137			
p-Isopropyltoluene	23.7	0.50	ug/l	25.0	ND	95	70-130			
Methylene Chloride	21.0	1.0	ug/l	25.0	ND	84	74-132			
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0	ND	93	56-145			
Methyl-tert-butyl Ether (MTBE)	21.7	0.50	ug/l	25.0	ND	87	67-138			
Naphthalene	26.3	2.5	ug/l	25.0	ND	105	54-135			
n-Propylbenzene	24.1	0.50	ug/l	25.0	ND	96	70-130			
Styrene	23.0	0.50	ug/l	25.0	ND	92	51-123			
1,1,1,2-Tetrachloroethane	20.7	0.50	ug/l	25.0	ND	83	70-130			
1,1,2,2-Tetrachloroethane	23.6	0.50	ug/l	25.0	ND	95	69-133			
Tetrachloroethene	24.8	0.50	ug/l	25.0	1.62	93	70-130			
Toluene	21.5	0.50	ug/l	25.0	ND	86	70-130			
1,2,3-Trichlorobenzene	24.4	1.0	ug/l	25.0	ND	97	70-130			
1,2,4-Trichlorobenzene	24.5	1.0	ug/l	25.0	ND	98	66-126			
1,1,1-Trichloroethane	22.4	0.50	ug/l	25.0	ND	90	76-132			
1,1,2-Trichloroethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
Trichloroethene	23.0	0.50	ug/l	25.0	0.990	88	70-130			
Trichlorofluoromethane	26.5	0.50	ug/l	25.0	ND	106	74-150			
1,2,3-Trichloropropane	23.1	1.0	ug/l	25.0	ND	92	70-130			
1,2,4-Trimethylbenzene	23.5	0.50	ug/l	25.0	ND	94	70-130			
1,3,5-Trimethylbenzene	23.2	0.50	ug/l	25.0	ND	93	61-138			
Vinyl Acetate	36.6	1.0	ug/l	25.0	ND	146	50-150			
Vinyl chloride	23.7	0.50	ug/l	25.0	ND	95	58-139			
Xylenes, Total	45.6	1.0	ug/l	50.0	ND	91	70-130			
Freon 113	23.8	2.0	ug/l	25.0	ND	95	56-148			
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Matrix Spike Dup Analyzed: 03/14/2011 (11C0531-MSD1)					**Source: PUC0598-01**					
Acetone	15.4	10	ug/l	25.0	ND	61	10-150	28	35	
Benzene	22.4	0.50	ug/l	25.0	ND	89	70-130	4	20	
Bromobenzene	25.4	0.50	ug/l	25.0	ND	101	70-130	11	20	
Bromochloromethane	19.7	0.50	ug/l	25.0	ND	79	70-130	8	20	
Bromodichloromethane	21.1	0.50	ug/l	25.0	0.110	84	70-130	1	20	
Bromoform	22.9	1.0	ug/l	25.0	ND	92	62-126	2	20	
Bromomethane	18.5	1.0	ug/l	25.0	ND	74	55-136	8	24	
2-Butanone (MEK)	20.0	2.5	ug/l	25.0	ND	80	22-150	8	31	
n-Butylbenzene	26.5	0.50	ug/l	25.0	ND	106	70-130	12	20	
sec-Butylbenzene	26.1	0.50	ug/l	25.0	ND	104	70-130	12	20	
tert-Butylbenzene	25.3	0.50	ug/l	25.0	ND	101	70-130	8	20	
Carbon disulfide	23.1	0.50	ug/l	25.0	0.220	92	56-132	0.6	20	
Carbon tetrachloride	23.2	0.50	ug/l	25.0	ND	93	76-131	0.5	20	
Chlorobenzene	23.1	0.50	ug/l	25.0	ND	92	70-130	4	20	
Chloroethane	23.2	1.0	ug/l	25.0	ND	93	67-134	2	20	
Chloroform	22.6	0.50	ug/l	25.0	0.750	87	70-130	4	20	
Chloromethane	20.6	1.0	ug/l	25.0	ND	82	50-135	0.5	20	
2-Chlorotoluene	24.5	0.50	ug/l	25.0	ND	98	70-130	10	20	
4-Chlorotoluene	25.2	0.50	ug/l	25.0	ND	101	70-130	9	20	
Dibromochloromethane	21.6	0.50	ug/l	25.0	ND	86	70-130	4	20	
1,2-Dibromo-3-chloropropane	21.3	2.5	ug/l	25.0	ND	85	60-135	0.6	29	
1,2-Dibromoethane (EDB)	21.3	0.50	ug/l	25.0	ND	85	70-130	5	20	
Dibromomethane	21.3	0.50	ug/l	25.0	ND	85	70-130	5	20	
1,2-Dichlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	7	20	
1,3-Dichlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	9	20	
1,4-Dichlorobenzene	23.5	0.50	ug/l	25.0	ND	94	70-130	4	20	
Dichlorodifluoromethane	19.3	0.50	ug/l	25.0	ND	77	36-150	2	22	
1,1-Dichloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130	5	20	
1,2-Dichloroethane	21.1	0.50	ug/l	25.0	ND	85	68-143	0.6	20	
1,1-Dichloroethene	24.1	0.50	ug/l	25.0	ND	96	70-130	2	20	
cis-1,2-Dichloroethene	21.8	0.50	ug/l	25.0	0.120	87	70-130	3	20	
trans-1,2-Dichloroethene	22.6	0.50	ug/l	25.0	ND	91	70-130	0.09	20	
1,2-Dichloropropane	22.2	0.50	ug/l	25.0	ND	89	70-130	3	20	
1,3-Dichloropropane	21.2	0.50	ug/l	25.0	ND	85	70-130	5	20	
2,2-Dichloropropane	21.4	1.0	ug/l	25.0	ND	86	66-130	4	20	

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Matrix Spike Dup Analyzed: 03/14/2011 (11C0531-MSD1)					**Source: PUC0598-01**					
1,1-Dichloropropene	23.5	0.50	ug/l	25.0	ND	94	70-130	2	20	
cis-1,3-Dichloropropene	22.0	0.50	ug/l	25.0	ND	88	70-130	0.8	20	
trans-1,3-Dichloropropene	22.6	0.50	ug/l	25.0	ND	90	71-132	3	20	
Ethylbenzene	23.1	0.50	ug/l	25.0	ND	92	70-130	4	20	
Hexachlorobutadiene	26.4	1.0	ug/l	25.0	ND	105	66-129	11	21	
2-Hexanone	21.7	2.5	ug/l	25.0	ND	87	18-150	7	25	
Iodomethane	20.7	2.5	ug/l	25.0	ND	83	47-141	12	29	
Isopropylbenzene	28.8	0.50	ug/l	25.0	ND	115	78-137	12	20	
p-Isopropyltoluene	25.6	0.50	ug/l	25.0	ND	102	70-130	8	20	
Methylene Chloride	21.0	1.0	ug/l	25.0	ND	84	74-132	0	20	
4-Methyl-2-pentanone (MIBK)	23.5	2.5	ug/l	25.0	ND	94	56-145	0.6	26	
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0	ND	80	67-138	8	21	
Naphthalene	24.9	2.5	ug/l	25.0	ND	100	54-135	6	33	
n-Propylbenzene	26.7	0.50	ug/l	25.0	ND	107	70-130	10	20	
Styrene	23.9	0.50	ug/l	25.0	ND	95	51-123	4	21	
1,1,1,2-Tetrachloroethane	21.2	0.50	ug/l	25.0	ND	85	70-130	2	20	
1,1,2,2-Tetrachloroethane	24.2	0.50	ug/l	25.0	ND	97	69-133	3	20	
Tetrachloroethene	24.9	0.50	ug/l	25.0	1.62	93	70-130	0.3	20	
Toluene	22.9	0.50	ug/l	25.0	ND	92	70-130	6	20	
1,2,3-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	70-130	0.5	20	
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0	ND	100	66-126	2	20	
1,1,1-Trichloroethane	22.8	0.50	ug/l	25.0	ND	91	76-132	1	20	
1,1,2-Trichloroethane	21.3	0.50	ug/l	25.0	ND	85	70-130	0.8	20	
Trichloroethene	23.2	0.50	ug/l	25.0	0.990	89	70-130	1	20	
Trichlorofluoromethane	26.3	0.50	ug/l	25.0	ND	105	74-150	0.5	20	
1,2,3-Trichloropropane	23.1	1.0	ug/l	25.0	ND	92	70-130	0.09	20	
1,2,4-Trimethylbenzene	26.0	0.50	ug/l	25.0	ND	104	70-130	10	20	
1,3,5-Trimethylbenzene	25.6	0.50	ug/l	25.0	ND	103	61-138	10	33	
Vinyl Acetate	32.2	1.0	ug/l	25.0	ND	129	50-150	13	23	
Vinyl chloride	24.5	0.50	ug/l	25.0	ND	98	58-139	4	21	
Xylenes, Total	47.9	1.0	ug/l	50.0	ND	96	70-130	5	20	
Freon 113	23.6	2.0	ug/l	25.0	ND	95	56-148	0.5	22	
Surrogate: Dibromofluoromethane	*23.3*		*ug/l*	*25.0*		*93*	*70-130*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/l*	*25.0*		*96*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0359 Extracted: 03/09/11										
Blank Analyzed: 03/11/2011 (11C0359-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*16.2*		*ug/l*	*20.0*		*81*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*30-130*			
LCS Analyzed: 03/11/2011 (11C0359-BS1)										**Q8**
1,4-Dioxane	18.0	1.0	ug/l	20.0		90	85-115			
Surrogate: 1,4-Dioxane-d8	*15.8*		*ug/l*	*20.0*		*79*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.1*		*ug/l*	*20.0*		*86*	*35-140*			
LCS Dup Analyzed: 03/11/2011 (11C0359-BSD1)										**Q8**
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115	14	20	
Surrogate: 1,4-Dioxane-d8	*14.0*		*ug/l*	*20.0*		*70*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.0*		*ug/l*	*20.0*		*80*	*35-140*			

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Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West	Project ID: OU3 0096498.009	
7272 E. Indian School Rd. Ste 100		Sampled: 03/08/11
Scottsdale, AZ 85251	Report Number: PUC0526	Received: 03/08/11
Attention: Jason Hilker		

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management

CHAIN OF CUSTODY RECORD

PUC 0526

NO: 2490

7272 E. Indian School Road, Suite 100 • Scottsdale, AZ • 85251 • (480) 998-2401 • FAX (480) 998-2106

PROJECT #	PROJECT NAME
0096498.009	OU3

SAMPLER: (PRINT NAME): Adam Nagle

(SIGNATURE): [signature]

RECEIVING LABORATORY: Test America

SAMPLE I.D.	DATE	TIME	COMP	GRAB	SAMPLING METHOD	PRESERVATIVE	ICE (Y/N)	SAMPLING VOLUME	# OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	MATRIX: GAS	VOC 8260B	1,4-Dioxane (only) 8270								
#DT-DW-5-S-030811	3/8	1620		X	bail	HCL	Y	3x40mL 2x1L	5		X		X	X								-01

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
[signature] / ERM	3/8	1713			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
			[signature]		
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
				3/8/11	1713

FIELD REMARKS: * Run Level III (as seperate report)

2.4°C / 2.1°C

REMARKS ON SAMPLE RECEIPT: ☒ BOTTLE INTACT ☐ CUSTODY SEALS ☒ CHILLED ☐ PRESERVED ☐ SEALS INTACT ☐ SEE REMARKS

ERM REMARKS:

SEND REPORT TO: jason.hilker@erm.com

WHITE – LABORATORY COPY CANARY – FIELD COPY PINK – DATABASE GOLD – PROJECT FILE

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.009

Sampled: 03/18/11
Received: 03/18/11
Issued: 03/29/11 12:06

NELAP #01109CA Arizona DHS#AZ0728

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This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC1289-01	EW-13-118-S-031811	Water
PUC1289-02	EW-13-168-M-031811	Water
PUC1289-03	EW-13-228-D-031811	Water
PUC1289-04	EW-13-268-D-031811	Water
PUC1289-05	GW-EB9-031811	Water
PUC1289-06	GW-L1-10-031811	Water

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

SAMPLE RECEIPT:	Samples were received intact, at 1°C, on ice and with chain of custody documentation.
HOLDING TIMES:	All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION:	Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA:	All analyses met method criteria, except as noted in the report with data qualifiers. N1 = The Laboratory Control Sample Duplicate as well as the Matrix Spike Duplicate recovered high and outside of acceptance limits for Vinyl Acetate. All associated samples are non-detect for this compound and therefore should not be impacted. L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
COMMENTS:	No significant observations were made.
SUBCONTRACTED:	No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1289-01 (EW-13-118-S-031811 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0967	10	ND	1	3/25/2011	3/25/2011	V1
Benzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromodichloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromoform	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Bromomethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Butanone (MEK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
sec-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
tert-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon disulfide	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon tetrachloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloroethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Chloroform	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloromethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
4-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromomethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dichlorodifluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
2,2-Dichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Ethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Hexachlorobutadiene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1289-01 (EW-13-118-S-031811 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Iodomethane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Isopropylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
p-Isopropyltoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Methylene Chloride	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Naphthalene	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Propylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Styrene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Tetrachloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Toluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichlorofluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Vinyl Acetate	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	L3
Vinyl chloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Xylenes, Total	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Freon 113	EPA 8260B	11C0967	2.0	ND	1	3/25/2011	3/25/2011	
Surrogate: Dibromofluoromethane (70-130%)				*98 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*110 %*				

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1289-02 (EW-13-168-M-031811 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0967	10	ND	1	3/25/2011	3/25/2011	V1
Benzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromodichloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromoform	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Bromomethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Butanone (MEK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
sec-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
tert-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon disulfide	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon tetrachloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloroethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Chloroform	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloromethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
4-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromomethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dichlorodifluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
2,2-Dichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Ethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Hexachlorobutadiene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1289-02 (EW-13-168-M-031811 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Iodomethane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Isopropylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
p-Isopropyltoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Methylene Chloride	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Naphthalene	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Propylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Styrene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Tetrachloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Toluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichlorofluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Vinyl Acetate	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	L3
Vinyl chloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Xylenes, Total	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Freon 113	EPA 8260B	11C0967	2.0	ND	1	3/25/2011	3/25/2011	
Surrogate: Dibromofluoromethane (70-130%)				*100 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*110 %*				

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Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1289-03 (EW-13-228-D-031811 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0967	10	ND	1	3/25/2011	3/25/2011	V1
Benzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromodichloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromoform	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Bromomethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Butanone (MEK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
sec-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
tert-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon disulfide	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon tetrachloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloroethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Chloroform	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloromethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
4-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromomethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dichlorodifluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
2,2-Dichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Ethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Hexachlorobutadiene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1289-03 (EW-13-228-D-031811 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Iodomethane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Isopropylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
p-Isopropyltoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Methylene Chloride	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Naphthalene	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Propylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Styrene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Tetrachloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Toluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichloroethene	EPA 8260B	11C0967	0.50	**2.2**	1	3/25/2011	3/25/2011	
Trichlorofluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Vinyl Acetate	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	L3
Vinyl chloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Xylenes, Total	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Freon 113	EPA 8260B	11C0967	2.0	ND	1	3/25/2011	3/25/2011	
Surrogate: Dibromofluoromethane (70-130%)				*96 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*113 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1289-04 (EW-13-268-D-031811 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0967	10	ND	1	3/25/2011	3/25/2011	V1
Benzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromodichloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromoform	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Bromomethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Butanone (MEK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
sec-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
tert-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon disulfide	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon tetrachloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloroethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Chloroform	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloromethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
4-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromomethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dichlorodifluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
2,2-Dichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Ethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Hexachlorobutadiene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1289-04 (EW-13-268-D-031811 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Iodomethane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Isopropylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
p-Isopropyltoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Methylene Chloride	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Naphthalene	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Propylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Styrene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Tetrachloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Toluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichlorofluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Vinyl Acetate	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	L3
Vinyl chloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Xylenes, Total	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Freon 113	EPA 8260B	11C0967	2.0	ND	1	3/25/2011	3/25/2011	
Surrogate: Dibromofluoromethane (70-130%)				*101 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*114 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1289-05 (GW-EB9-031811 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0967	10	ND	1	3/25/2011	3/25/2011	V1
Benzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromodichloromethane	EPA 8260B	11C0967	0.50	**2.1**	1	3/25/2011	3/25/2011	
Bromoform	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Bromomethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Butanone (MEK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
sec-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
tert-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon disulfide	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon tetrachloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloroethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Chloroform	EPA 8260B	11C0967	0.50	**3.3**	1	3/25/2011	3/25/2011	
Chloromethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
4-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromochloromethane	EPA 8260B	11C0967	0.50	**0.75**	1	3/25/2011	3/25/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromomethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dichlorodifluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
2,2-Dichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Ethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Hexachlorobutadiene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1289-05 (GW-EB9-031811 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Iodomethane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Isopropylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
p-Isopropyltoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Methylene Chloride	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Naphthalene	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Propylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Styrene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Tetrachloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Toluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichlorofluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Vinyl Acetate	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	L3
Vinyl chloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Xylenes, Total	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Freon 113	EPA 8260B	11C0967	2.0	ND	1	3/25/2011	3/25/2011	
Surrogate: Dibromofluoromethane (70-130%)				*101 %*				
Surrogate: Toluene-d8 (70-130%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*110 %*				

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1289-06 (GW-L1-10-031811 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0967	10	ND	1	3/25/2011	3/25/2011	V1
Benzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromodichloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Bromoform	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Bromomethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Butanone (MEK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
sec-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
tert-Butylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon disulfide	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Carbon tetrachloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloroethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Chloroform	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Chloromethane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
2-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
4-Chlorotoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromochloromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dibromomethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Dichlorodifluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3-Dichloropropane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
2,2-Dichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Ethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Hexachlorobutadiene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1289-06 (GW-L1-10-031811 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Iodomethane	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Isopropylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
p-Isopropyltoluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Methylene Chloride	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Naphthalene	EPA 8260B	11C0967	2.5	ND	1	3/25/2011	3/25/2011	
n-Propylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Styrene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Tetrachloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Toluene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichloroethene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Trichlorofluoromethane	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Vinyl Acetate	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	L3
Vinyl chloride	EPA 8260B	11C0967	0.50	ND	1	3/25/2011	3/25/2011	
Xylenes, Total	EPA 8260B	11C0967	1.0	ND	1	3/25/2011	3/25/2011	
Freon 113	EPA 8260B	11C0967	2.0	ND	1	3/25/2011	3/25/2011	
Surrogate: Dibromofluoromethane (70-130%)				*99 %*				
Surrogate: Toluene-d8 (70-130%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1289-01 (EW-13-118-S-031811 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0768	1.0	ND	1	3/21/2011	3/23/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*72 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*81 %*				
Sample ID: PUC1289-02 (EW-13-168-M-031811 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0768	1.0	ND	1	3/21/2011	3/23/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*66 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*72 %*				
Sample ID: PUC1289-03 (EW-13-228-D-031811 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0768	1.0	ND	1	3/21/2011	3/23/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*64 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*74 %*				
Sample ID: PUC1289-04 (EW-13-268-D-031811 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0768	1.0	ND	1	3/21/2011	3/23/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*67 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*75 %*				
Sample ID: PUC1289-05 (GW-EB9-031811 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0768	1.0	ND	1	3/21/2011	3/23/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*71 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*84 %*				

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0967 Extracted: 03/25/11										
Blank Analyzed: 03/25/2011 (11C0967-BLK1)										
Acetone	ND	10	ug/l							*V1*
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Project Manager

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0967 Extracted: 03/25/11										
Blank Analyzed: 03/25/2011 (11C0967-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*24.5*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.9*		*ug/l*	*25.0*		*108*	*70-130*			

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Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0967 Extracted: 03/25/11										
LCS Analyzed: 03/25/2011 (11C0967-BS1)										
Acetone	32.4	10	ug/l	25.0		130	30-150			*V1*
Benzene	24.4	0.50	ug/l	25.0		98	70-130			
Bromobenzene	25.1	0.50	ug/l	25.0		101	70-130			
Bromochloromethane	25.4	0.50	ug/l	25.0		102	70-130			
Bromodichloromethane	26.3	0.50	ug/l	25.0		105	70-130			
Bromoform	23.6	1.0	ug/l	25.0		95	67-122			
Bromomethane	26.5	1.0	ug/l	25.0		106	64-132			
2-Butanone (MEK)	31.3	2.5	ug/l	25.0		125	48-150			
n-Butylbenzene	26.7	0.50	ug/l	25.0		107	70-130			
sec-Butylbenzene	25.2	0.50	ug/l	25.0		101	70-130			
tert-Butylbenzene	25.3	0.50	ug/l	25.0		101	70-130			
Carbon disulfide	26.5	0.50	ug/l	25.0		106	61-126			
Carbon tetrachloride	26.3	0.50	ug/l	25.0		105	70-130			
Chlorobenzene	24.6	0.50	ug/l	25.0		98	70-130			
Chloroethane	24.2	1.0	ug/l	25.0		97	69-128			
Chloroform	24.0	0.50	ug/l	25.0		96	70-130			
Chloromethane	17.3	1.0	ug/l	25.0		69	56-131			
2-Chlorotoluene	24.6	0.50	ug/l	25.0		99	70-130			
4-Chlorotoluene	25.4	0.50	ug/l	25.0		102	70-130			
Dibromochloromethane	26.9	0.50	ug/l	25.0		107	70-130			
1,2-Dibromo-3-chloropropane	27.9	2.5	ug/l	25.0		112	63-129			
1,2-Dibromoethane (EDB)	25.6	0.50	ug/l	25.0		102	70-130			
Dibromomethane	26.1	0.50	ug/l	25.0		104	70-130			
1,2-Dichlorobenzene	25.1	0.50	ug/l	25.0		100	70-130			
1,3-Dichlorobenzene	23.7	0.50	ug/l	25.0		95	70-130			
1,4-Dichlorobenzene	24.5	0.50	ug/l	25.0		98	70-130			
Dichlorodifluoromethane	20.6	0.50	ug/l	25.0		83	42-150			
1,1-Dichloroethane	24.6	0.50	ug/l	25.0		98	70-130			
1,2-Dichloroethane	25.6	0.50	ug/l	25.0		102	72-133			
1,1-Dichloroethene	25.3	0.50	ug/l	25.0		101	70-130			
cis-1,2-Dichloroethene	23.6	0.50	ug/l	25.0		95	70-130			
trans-1,2-Dichloroethene	24.8	0.50	ug/l	25.0		99	70-130			
1,2-Dichloropropane	25.7	0.50	ug/l	25.0		103	70-130			
1,3-Dichloropropane	25.3	0.50	ug/l	25.0		101	70-130			
2,2-Dichloropropane	26.3	1.0	ug/l	25.0		105	70-130			

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0967 Extracted: 03/25/11										
LCS Analyzed: 03/25/2011 (11C0967-BS1)										
1,1-Dichloropropene	25.8	0.50	ug/l	25.0		103	70-130			
cis-1,3-Dichloropropene	27.7	0.50	ug/l	25.0		111	70-130			
trans-1,3-Dichloropropene	30.6	0.50	ug/l	25.0		123	70-130			
Ethylbenzene	25.0	0.50	ug/l	25.0		100	70-130			
Hexachlorobutadiene	26.1	1.0	ug/l	25.0		104	70-130			
2-Hexanone	32.6	2.5	ug/l	25.0		130	44-150			
Iodomethane	28.3	2.5	ug/l	25.0		113	58-138			
Isopropylbenzene	28.1	0.50	ug/l	25.0		112	70-130			
p-Isopropyltoluene	24.9	0.50	ug/l	25.0		100	70-130			
Methylene Chloride	24.0	1.0	ug/l	25.0		96	70-130			
4-Methyl-2-pentanone (MIBK)	31.0	2.5	ug/l	25.0		124	61-142			
Methyl-tert-butyl Ether (MTBE)	28.2	0.50	ug/l	25.0		113	70-130			
Naphthalene	28.6	2.5	ug/l	25.0		115	65-129			
n-Propylbenzene	25.9	0.50	ug/l	25.0		104	70-130			
Styrene	26.8	0.50	ug/l	25.0		107	70-130			
1,1,1,2-Tetrachloroethane	24.6	0.50	ug/l	25.0		98	70-130			
1,1,2,2-Tetrachloroethane	27.3	0.50	ug/l	25.0		109	70-130			
Tetrachloroethene	24.2	0.50	ug/l	25.0		97	70-130			
Toluene	25.4	0.50	ug/l	25.0		101	70-130			
1,2,3-Trichlorobenzene	28.1	1.0	ug/l	25.0		113	70-130			
1,2,4-Trichlorobenzene	27.3	1.0	ug/l	25.0		109	70-130			
1,1,1-Trichloroethane	25.5	0.50	ug/l	25.0		102	70-130			
1,1,2-Trichloroethane	27.5	0.50	ug/l	25.0		110	70-130			
Trichloroethene	25.0	0.50	ug/l	25.0		100	70-130			
Trichlorofluoromethane	27.5	0.50	ug/l	25.0		110	78-149			
1,2,3-Trichloropropane	27.6	1.0	ug/l	25.0		110	70-130			
1,2,4-Trimethylbenzene	25.9	0.50	ug/l	25.0		104	70-130			
1,3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0		101	70-130			
Vinyl Acetate	36.9	1.0	ug/l	25.0		147	57-149			
Vinyl chloride	23.8	0.50	ug/l	25.0		95	66-134			
Xylenes, Total	49.9	1.0	ug/l	50.0		100	70-130			
Freon 113	25.8	2.0	ug/l	25.0		103	63-136			
Surrogate: Dibromofluoromethane	*24.1*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.7*		*ug/l*	*25.0*		*103*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0967 Extracted: 03/25/11										
LCS Dup Analyzed: 03/25/2011 (11C0967-BSD1)										
Acetone	28.4	10	ug/l	25.0		114	30-150	13	35	*V1*
Benzene	25.6	0.50	ug/l	25.0		102	70-130	5	20	
Bromobenzene	25.6	0.50	ug/l	25.0		102	70-130	2	20	
Bromochloromethane	26.1	0.50	ug/l	25.0		104	70-130	3	20	
Bromodichloromethane	26.8	0.50	ug/l	25.0		107	70-130	2	20	
Bromoform	24.0	1.0	ug/l	25.0		96	67-122	1	20	
Bromomethane	25.8	1.0	ug/l	25.0		103	64-132	3	20	
2-Butanone (MEK)	30.2	2.5	ug/l	25.0		121	48-150	3	33	
n-Butylbenzene	27.2	0.50	ug/l	25.0		109	70-130	2	20	
sec-Butylbenzene	26.5	0.50	ug/l	25.0		106	70-130	5	20	
tert-Butylbenzene	25.9	0.50	ug/l	25.0		104	70-130	2	20	
Carbon disulfide	28.2	0.50	ug/l	25.0		113	61-126	6	20	
Carbon tetrachloride	27.2	0.50	ug/l	25.0		109	70-130	3	20	
Chlorobenzene	25.4	0.50	ug/l	25.0		102	70-130	3	20	
Chloroethane	25.9	1.0	ug/l	25.0		104	69-128	7	20	
Chloroform	25.1	0.50	ug/l	25.0		100	70-130	4	20	
Chloromethane	18.7	1.0	ug/l	25.0		75	56-131	8	20	
2-Chlorotoluene	25.2	0.50	ug/l	25.0		101	70-130	2	20	
4-Chlorotoluene	26.8	0.50	ug/l	25.0		107	70-130	5	20	
Dibromochloromethane	27.9	0.50	ug/l	25.0		111	70-130	4	20	
1,2-Dibromo-3-chloropropane	26.8	2.5	ug/l	25.0		107	63-129	4	25	
1,2-Dibromoethane (EDB)	25.9	0.50	ug/l	25.0		104	70-130	1	20	
Dibromomethane	27.2	0.50	ug/l	25.0		109	70-130	4	20	
1,2-Dichlorobenzene	26.2	0.50	ug/l	25.0		105	70-130	4	20	
1,3-Dichlorobenzene	24.8	0.50	ug/l	25.0		99	70-130	5	20	
1,4-Dichlorobenzene	25.5	0.50	ug/l	25.0		102	70-130	4	20	
Dichlorodifluoromethane	21.7	0.50	ug/l	25.0		87	42-150	5	20	
1,1-Dichloroethane	26.2	0.50	ug/l	25.0		105	70-130	6	20	
1,2-Dichloroethane	26.5	0.50	ug/l	25.0		106	72-133	3	20	
1,1-Dichloroethene	26.6	0.50	ug/l	25.0		106	70-130	5	20	
cis-1,2-Dichloroethene	25.6	0.50	ug/l	25.0		102	70-130	8	20	
trans-1,2-Dichloroethene	26.6	0.50	ug/l	25.0		106	70-130	7	20	
1,2-Dichloropropane	26.3	0.50	ug/l	25.0		105	70-130	2	20	
1,3-Dichloropropane	25.5	0.50	ug/l	25.0		102	70-130	0.9	20	
2,2-Dichloropropane	27.0	1.0	ug/l	25.0		108	70-130	2	20	

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0967 Extracted: 03/25/11										
LCS Dup Analyzed: 03/25/2011 (11C0967-BSD1)										
1,1-Dichloropropene	26.8	0.50	ug/l	25.0		107	70-130	4	20	
cis-1,3-Dichloropropene	27.9	0.50	ug/l	25.0		112	70-130	0.8	20	
trans-1,3-Dichloropropene	29.9	0.50	ug/l	25.0		120	70-130	3	20	
Ethylbenzene	25.4	0.50	ug/l	25.0		102	70-130	2	20	
Hexachlorobutadiene	27.5	1.0	ug/l	25.0		110	70-130	5	20	
2-Hexanone	29.0	2.5	ug/l	25.0		116	44-150	12	31	
Iodomethane	25.1	2.5	ug/l	25.0		101	58-138	12	25	
Isopropylbenzene	29.2	0.50	ug/l	25.0		117	70-130	4	20	
p-Isopropyltoluene	26.8	0.50	ug/l	25.0		107	70-130	7	20	
Methylene Chloride	26.1	1.0	ug/l	25.0		105	70-130	9	20	
4-Methyl-2-pentanone (MIBK)	30.5	2.5	ug/l	25.0		122	61-142	2	22	
Methyl-tert-butyl Ether (MTBE)	28.8	0.50	ug/l	25.0		115	70-130	2	20	
Naphthalene	29.8	2.5	ug/l	25.0		119	65-129	4	20	
n-Propylbenzene	27.7	0.50	ug/l	25.0		111	70-130	7	20	
Styrene	27.2	0.50	ug/l	25.0		109	70-130	1	20	
1,1,1,2-Tetrachloroethane	24.8	0.50	ug/l	25.0		99	70-130	0.9	20	
1,1,2,2-Tetrachloroethane	27.8	0.50	ug/l	25.0		111	70-130	2	20	
Tetrachloroethene	25.4	0.50	ug/l	25.0		102	70-130	5	20	
Toluene	26.3	0.50	ug/l	25.0		105	70-130	4	20	
1,2,3-Trichlorobenzene	28.8	1.0	ug/l	25.0		115	70-130	2	20	
1,2,4-Trichlorobenzene	28.0	1.0	ug/l	25.0		112	70-130	2	20	
1,1,1-Trichloroethane	26.8	0.50	ug/l	25.0		107	70-130	5	20	
1,1,2-Trichloroethane	28.0	0.50	ug/l	25.0		112	70-130	2	20	
Trichloroethene	26.1	0.50	ug/l	25.0		104	70-130	4	20	
Trichlorofluoromethane	28.8	0.50	ug/l	25.0		115	78-149	5	20	
1,2,3-Trichloropropane	27.8	1.0	ug/l	25.0		111	70-130	0.9	20	
1,2,4-Trimethylbenzene	26.8	0.50	ug/l	25.0		107	70-130	3	20	
1,3,5-Trimethylbenzene	26.3	0.50	ug/l	25.0		105	70-130	4	20	
Vinyl Acetate	37.6	1.0	ug/l	25.0		150	57-149	2	21	*L3*
Vinyl chloride	26.0	0.50	ug/l	25.0		104	66-134	9	20	
Xylenes, Total	52.0	1.0	ug/l	50.0		104	70-130	4	20	
Freon 113	27.0	2.0	ug/l	25.0		108	63-136	5	20	
Surrogate: Dibromofluoromethane	*24.5*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*25.0*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.0*		*ug/l*	*25.0*		*100*	*70-130*			

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0967 Extracted: 03/25/11										
Matrix Spike Analyzed: 03/25/2011 (11C0967-MS1)					**Source: PUC1590-02**					
Acetone	17.5	10	ug/l	25.0	ND	70	10-150			*V1*
Benzene	24.6	0.50	ug/l	25.0	ND	98	70-130			
Bromobenzene	25.0	0.50	ug/l	25.0	ND	100	70-130			
Bromochloromethane	25.0	0.50	ug/l	25.0	ND	100	70-130			
Bromodichloromethane	24.6	0.50	ug/l	25.0	ND	98	70-130			
Bromoform	21.8	1.0	ug/l	25.0	ND	87	62-126			
Bromomethane	25.2	1.0	ug/l	25.0	ND	101	55-136			
2-Butanone (MEK)	23.0	2.5	ug/l	25.0	ND	92	22-150			
n-Butylbenzene	25.8	0.50	ug/l	25.0	ND	103	70-130			
sec-Butylbenzene	25.2	0.50	ug/l	25.0	ND	101	70-130			
tert-Butylbenzene	25.6	0.50	ug/l	25.0	ND	102	70-130			
Carbon disulfide	28.8	0.50	ug/l	25.0	0.270	114	56-132			
Carbon tetrachloride	26.5	0.50	ug/l	25.0	ND	106	76-131			
Chlorobenzene	23.7	0.50	ug/l	25.0	ND	95	70-130			
Chloroethane	24.9	1.0	ug/l	25.0	ND	100	67-134			
Chloroform	23.1	0.50	ug/l	25.0	ND	93	70-130			
Chloromethane	16.3	1.0	ug/l	25.0	ND	65	50-135			
2-Chlorotoluene	24.9	0.50	ug/l	25.0	ND	100	70-130			
4-Chlorotoluene	25.4	0.50	ug/l	25.0	ND	101	70-130			
Dibromochloromethane	25.2	0.50	ug/l	25.0	ND	101	70-130			
1,2-Dibromo-3-chloropropane	23.7	2.5	ug/l	25.0	ND	95	60-135			
1,2-Dibromoethane (EDB)	23.9	0.50	ug/l	25.0	ND	95	70-130			
Dibromomethane	24.4	0.50	ug/l	25.0	ND	98	70-130			
1,2-Dichlorobenzene	25.0	0.50	ug/l	25.0	ND	100	70-130			
1,3-Dichlorobenzene	23.6	0.50	ug/l	25.0	ND	95	70-130			
1,4-Dichlorobenzene	24.3	0.50	ug/l	25.0	ND	97	70-130			
Dichlorodifluoromethane	21.8	0.50	ug/l	25.0	ND	87	36-150			
1,1-Dichloroethane	25.1	0.50	ug/l	25.0	ND	101	70-130			
1,2-Dichloroethane	24.0	0.50	ug/l	25.0	ND	96	68-143			
1,1-Dichloroethene	27.2	0.50	ug/l	25.0	ND	109	70-130			
cis-1,2-Dichloroethene	23.6	0.50	ug/l	25.0	ND	94	70-130			
trans-1,2-Dichloroethene	25.8	0.50	ug/l	25.0	ND	103	70-130			
1,2-Dichloropropane	24.6	0.50	ug/l	25.0	ND	98	70-130			
1,3-Dichloropropane	23.4	0.50	ug/l	25.0	ND	94	70-130			
2,2-Dichloropropane	28.8	1.0	ug/l	25.0	ND	115	66-130			

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Report Number: PUC1289

Sampled: 03/18/11
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0967 Extracted: 03/25/11										
Matrix Spike Analyzed: 03/25/2011 (11C0967-MS1)					**Source: PUC1590-02**					
1,1-Dichloropropene	26.8	0.50	ug/l	25.0	ND	107	70-130			
cis-1,3-Dichloropropene	26.4	0.50	ug/l	25.0	ND	106	70-130			
trans-1,3-Dichloropropene	27.8	0.50	ug/l	25.0	ND	111	71-132			
Ethylbenzene	24.6	0.50	ug/l	25.0	ND	99	70-130			
Hexachlorobutadiene	24.4	1.0	ug/l	25.0	ND	98	66-129			
2-Hexanone	23.7	2.5	ug/l	25.0	ND	95	18-150			
Iodomethane	26.3	2.5	ug/l	25.0	ND	105	47-141			
Isopropylbenzene	29.4	0.50	ug/l	25.0	ND	118	78-137			
p-Isopropyltoluene	25.4	0.50	ug/l	25.0	ND	102	70-130			
Methylene Chloride	23.6	1.0	ug/l	25.0	ND	94	74-132			
4-Methyl-2-pentanone (MIBK)	26.4	2.5	ug/l	25.0	ND	105	56-145			
Methyl-tert-butyl Ether (MTBE)	26.3	0.50	ug/l	25.0	ND	105	67-138			
Naphthalene	27.6	2.5	ug/l	25.0	ND	110	54-135			
n-Propylbenzene	26.8	0.50	ug/l	25.0	ND	107	70-130			
Styrene	25.6	0.50	ug/l	25.0	ND	102	51-123			
1,1,1,2-Tetrachloroethane	23.0	0.50	ug/l	25.0	ND	92	70-130			
1,1,2,2-Tetrachloroethane	25.2	0.50	ug/l	25.0	ND	101	69-133			
Tetrachloroethene	25.3	0.50	ug/l	25.0	ND	101	70-130			
Toluene	25.1	0.50	ug/l	25.0	ND	100	70-130			
1,2,3-Trichlorobenzene	25.3	1.0	ug/l	25.0	ND	101	70-130			
1,2,4-Trichlorobenzene	25.6	1.0	ug/l	25.0	ND	103	66-126			
1,1,1-Trichloroethane	26.0	0.50	ug/l	25.0	ND	104	76-132			
1,1,2-Trichloroethane	25.4	0.50	ug/l	25.0	ND	101	70-130			
Trichloroethene	25.1	0.50	ug/l	25.0	ND	100	70-130			
Trichlorofluoromethane	28.4	0.50	ug/l	25.0	ND	114	74-150			
1,2,3-Trichloropropane	25.4	1.0	ug/l	25.0	ND	102	70-130			
1,2,4-Trimethylbenzene	25.4	0.50	ug/l	25.0	ND	101	70-130			
1,3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0	ND	101	61-138			
Vinyl Acetate	36.0	1.0	ug/l	25.0	ND	144	50-150			
Vinyl chloride	25.6	0.50	ug/l	25.0	ND	102	58-139			
Xylenes, Total	48.2	1.0	ug/l	50.0	ND	96	70-130			
Freon 113	26.9	2.0	ug/l	25.0	ND	108	56-148			
Surrogate: Dibromofluoromethane	*24.3*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: Toluene-d8	*25.3*		*ug/l*	*25.0*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/l*	*25.0*		*98*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0967 Extracted: 03/25/11										
Matrix Spike Dup Analyzed: 03/25/2011 (11C0967-MSD1)					**Source: PUC1590-02**					
Acetone	17.6	10	ug/l	25.0	ND	70	10-150	0.5	35	*V1*
Benzene	24.5	0.50	ug/l	25.0	ND	98	70-130	0.3	20	
Bromobenzene	24.3	0.50	ug/l	25.0	ND	97	70-130	3	20	
Bromochloromethane	24.6	0.50	ug/l	25.0	ND	99	70-130	1	20	
Bromodichloromethane	24.6	0.50	ug/l	25.0	ND	98	70-130	0.1	20	
Bromoform	21.9	1.0	ug/l	25.0	ND	88	62-126	0.8	20	
Bromomethane	23.9	1.0	ug/l	25.0	ND	96	55-136	5	24	
2-Butanone (MEK)	25.4	2.5	ug/l	25.0	ND	102	22-150	10	31	
n-Butylbenzene	25.4	0.50	ug/l	25.0	ND	102	70-130	1	20	
sec-Butylbenzene	24.9	0.50	ug/l	25.0	ND	100	70-130	1	20	
tert-Butylbenzene	24.7	0.50	ug/l	25.0	ND	99	70-130	4	20	
Carbon disulfide	27.6	0.50	ug/l	25.0	0.270	110	56-132	4	20	
Carbon tetrachloride	25.5	0.50	ug/l	25.0	ND	102	76-131	4	20	
Chlorobenzene	23.5	0.50	ug/l	25.0	ND	94	70-130	1	20	
Chloroethane	24.5	1.0	ug/l	25.0	ND	98	67-134	2	20	
Chloroform	23.1	0.50	ug/l	25.0	ND	92	70-130	0.3	20	
Chloromethane	15.0	1.0	ug/l	25.0	ND	60	50-135	8	20	
2-Chlorotoluene	23.9	0.50	ug/l	25.0	ND	96	70-130	4	20	
4-Chlorotoluene	24.1	0.50	ug/l	25.0	ND	96	70-130	5	20	
Dibromochloromethane	24.7	0.50	ug/l	25.0	ND	99	70-130	2	20	
1,2-Dibromo-3-chloropropane	24.3	2.5	ug/l	25.0	ND	97	60-135	2	29	
1,2-Dibromoethane (EDB)	24.1	0.50	ug/l	25.0	ND	96	70-130	0.8	20	
Dibromomethane	25.2	0.50	ug/l	25.0	ND	101	70-130	3	20	
1,2-Dichlorobenzene	24.4	0.50	ug/l	25.0	ND	98	70-130	2	20	
1,3-Dichlorobenzene	23.1	0.50	ug/l	25.0	ND	92	70-130	2	20	
1,4-Dichlorobenzene	23.6	0.50	ug/l	25.0	ND	94	70-130	3	20	
Dichlorodifluoromethane	21.7	0.50	ug/l	25.0	ND	87	36-150	0.3	22	
1,1-Dichloroethane	24.4	0.50	ug/l	25.0	ND	98	70-130	3	20	
1,2-Dichloroethane	24.2	0.50	ug/l	25.0	ND	97	68-143	0.6	20	
1,1-Dichloroethene	25.9	0.50	ug/l	25.0	ND	104	70-130	5	20	
cis-1,2-Dichloroethene	23.5	0.50	ug/l	25.0	ND	94	70-130	0.3	20	
trans-1,2-Dichloroethene	25.1	0.50	ug/l	25.0	ND	100	70-130	3	20	
1,2-Dichloropropane	24.7	0.50	ug/l	25.0	ND	99	70-130	0.4	20	
1,3-Dichloropropane	24.2	0.50	ug/l	25.0	ND	97	70-130	3	20	
2,2-Dichloropropane	27.5	1.0	ug/l	25.0	ND	110	66-130	5	20	

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0967 Extracted: 03/25/11										
Matrix Spike Dup Analyzed: 03/25/2011 (11C0967-MSD1)					**Source: PUC1590-02**					
1,1-Dichloropropene	25.7	0.50	ug/l	25.0	ND	103	70-130	4	20	
cis-1,3-Dichloropropene	27.0	0.50	ug/l	25.0	ND	108	70-130	2	20	
trans-1,3-Dichloropropene	28.8	0.50	ug/l	25.0	ND	115	71-132	4	20	
Ethylbenzene	24.4	0.50	ug/l	25.0	ND	98	70-130	0.9	20	
Hexachlorobutadiene	23.9	1.0	ug/l	25.0	ND	95	66-129	2	21	
2-Hexanone	25.0	2.5	ug/l	25.0	ND	100	18-150	5	25	
Iodomethane	27.6	2.5	ug/l	25.0	ND	111	47-141	5	29	
Isopropylbenzene	27.9	0.50	ug/l	25.0	ND	112	78-137	5	20	
p-Isopropyltoluene	24.2	0.50	ug/l	25.0	ND	97	70-130	5	20	
Methylene Chloride	23.8	1.0	ug/l	25.0	ND	95	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	28.9	2.5	ug/l	25.0	ND	115	56-145	9	26	
Methyl-tert-butyl Ether (MTBE)	27.4	0.50	ug/l	25.0	ND	110	67-138	4	21	
Naphthalene	27.9	2.5	ug/l	25.0	ND	112	54-135	1	33	
n-Propylbenzene	26.0	0.50	ug/l	25.0	ND	104	70-130	3	20	
Styrene	25.5	0.50	ug/l	25.0	ND	102	51-123	0.4	21	
1,1,1,2-Tetrachloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130	1	20	
1,1,2,2-Tetrachloroethane	26.5	0.50	ug/l	25.0	ND	106	69-133	5	20	
Tetrachloroethene	24.3	0.50	ug/l	25.0	ND	97	70-130	4	20	
Toluene	25.1	0.50	ug/l	25.0	ND	100	70-130	0.04	20	
1,2,3-Trichlorobenzene	25.5	1.0	ug/l	25.0	ND	102	70-130	0.9	20	
1,2,4-Trichlorobenzene	26.0	1.0	ug/l	25.0	ND	104	66-126	1	20	
1,1,1-Trichloroethane	24.7	0.50	ug/l	25.0	ND	99	76-132	5	20	
1,1,2-Trichloroethane	26.9	0.50	ug/l	25.0	ND	108	70-130	6	20	
Trichloroethene	24.7	0.50	ug/l	25.0	ND	99	70-130	1	20	
Trichlorofluoromethane	27.3	0.50	ug/l	25.0	ND	109	74-150	4	20	
1,2,3-Trichloropropane	26.2	1.0	ug/l	25.0	ND	105	70-130	3	20	
1,2,4-Trimethylbenzene	24.8	0.50	ug/l	25.0	ND	99	70-130	2	20	
1,3,5-Trimethylbenzene	24.4	0.50	ug/l	25.0	ND	98	61-138	3	33	
Vinyl Acetate	38.0	1.0	ug/l	25.0	ND	152	50-150	5	23	*N1*
Vinyl chloride	25.0	0.50	ug/l	25.0	ND	100	58-139	3	21	
Xylenes, Total	48.4	1.0	ug/l	50.0	ND	97	70-130	0.5	20	
Freon 113	26.7	2.0	ug/l	25.0	ND	107	56-148	0.8	22	
Surrogate: Dibromofluoromethane	*23.9*		*ug/l*	*25.0*		*96*	*70-130*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.3*		*ug/l*	*25.0*		*101*	*70-130*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0768 Extracted: 03/21/11										
Blank Analyzed: 03/23/2011 (11C0768-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*15.8*		*ug/l*	*20.0*		*79*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.5*		*ug/l*	*20.0*		*88*	*30-130*			
LCS Analyzed: 03/23/2011 (11C0768-BS1)										**Q8**
1,4-Dioxane	20.3	1.0	ug/l	20.0		102	85-115			
Surrogate: 1,4-Dioxane-d8	*18.7*		*ug/l*	*20.0*		*94*	*30-105*			
Surrogate: Nitrobenzene-d5	*20.7*		*ug/l*	*20.0*		*104*	*35-140*			
LCS Dup Analyzed: 03/23/2011 (11C0768-BSD1)										**Q8**
1,4-Dioxane	20.5	1.0	ug/l	20.0		102	85-115	0.8	20	
Surrogate: 1,4-Dioxane-d8	*19.6*		*ug/l*	*20.0*		*98*	*30-105*			
Surrogate: Nitrobenzene-d5	*20.3*		*ug/l*	*20.0*		*101*	*35-140*			

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Project Manager

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7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1289

Sampled: 03/18/11
Received: 03/18/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[ ] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Client Name/Address: ERM
7272 E. Indian School Rd.
Scottsdale, AZ 85251

Project/PO Number: 0096498.009

Project Manager: Jason Hilker
Send Report to: Jason.Hilker@ERM.com

Phone Number: 480-998-2401

Sampler: Adam Nagle

Fax Number: 480-998-2106

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane Only (8270C)								Special Instructions
EW-13-118-S-031811	W	40mL / 1L	3 / 2	3/18/11	1417	HCl / -	x	x								PUC1289-01
EW-13-168-M-031811	↓	↓	↓	↓	1330	↓	↓	↓								-02
EW-13-228-D-031811	↓	↓	↓	↓	1240	↓	↓	↓								-03
EW-13-268-D-031811	↓	↓	↓	↓	1050	↓	↓	↓								-04
GW-EB9-031811	↓	↓	↓	↓	1418	↓	↓	↓								-05
GW-LI-10-031811	↓	40mL	1	↓	-	HCl	↓	-								TRIP BLANK-06

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)
ERM / ERM	3/18 1530			same day ____ 72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____ 5 days ____
				48 hours ____ normal ✓
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time: 3/18/11 1530	Sample Integrity: (Check) intact X on ice ✓ 0.8°C

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.009

Sampled: 03/08/11
Received: 03/08/11
Issued: 03/18/11 08:15

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC0525-01	OU3-11M2-M2-030811	Water
PUC0525-02	OU3-11M-M-030811	Water
PUC0525-03	OU3-11S-S-030811	Water
PUC0525-04	BE-MW-8-S-030811	Water
PUC0525-05	BE-MW-8-S-030811-R1	Water
PUC0525-06	OU3-4S-S-030811	Water
PUC0525-07	EW-21-S-030811	Water
PUC0525-08	EW-21-S-030811-Q1	Water
PUC0525-09	EW-21-S-030811-EB	Water
PUC0525-10	GW-L1-1-030811	Water

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

SAMPLE RECEIPT:	Samples were received intact, at 2°C, on ice and with chain of custody documentation.
HOLDING TIMES:	All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION:	Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA:	All analyses met method criteria, except as noted in the report with data qualifiers. N1 = The Laboratory Control Sample / Laboratory Control Sample Duplicate as well as the Matrix Spike / Matrix Spike Duplicate recovered high and outside of acceptance limits for Vinyl Acetate. All associated samples are non-detect for this compound and therefore should not be impacted. L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
COMMENTS:	No significant observations were made.
SUBCONTRACTED:	No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-01 (OU3-11M2-M2-030811 - Water) **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Acetone	EPA 8260B	11C0395	10	ND	1	3/10/2011	3/10/2011	
Benzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromodichloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromoform	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Bromomethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Butanone (MEK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
sec-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
tert-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon disulfide	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon tetrachloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chloroethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Chloroform	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chloromethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
4-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromomethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dichlorodifluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
2,2-Dichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Ethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Hexachlorobutadiene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-01 (OU3-11M2-M2-030811 - Water) - cont. **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
2-Hexanone	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Iodomethane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Isopropylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
p-Isopropyltoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Methylene Chloride	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Naphthalene	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Propylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Styrene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Tetrachloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Toluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichlorofluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Vinyl Acetate	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	L3
Vinyl chloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Xylenes, Total	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Freon 113	EPA 8260B	11C0395	2.0	ND	1	3/10/2011	3/10/2011	
Surrogate: Dibromofluoromethane (70-130%)				*114 %*				
Surrogate: Toluene-d8 (70-130%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*108 %*				

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-02 (OU3-11M-M-030811 - Water) **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Acetone	EPA 8260B	11C0395	10	ND	1	3/10/2011	3/10/2011	
Benzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromodichloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromoform	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Bromomethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Butanone (MEK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
sec-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
tert-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon disulfide	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon tetrachloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chloroethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Chloroform	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chloromethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
4-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromomethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dichlorodifluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
2,2-Dichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Ethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Hexachlorobutadiene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0525-02 (OU3-11M-M-030811 - Water) - cont.					**Sampled: 03/08/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Iodomethane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Isopropylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
p-Isopropyltoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Methylene Chloride	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Naphthalene	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Propylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Styrene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Tetrachloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Toluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichlorofluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Vinyl Acetate	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	L3
Vinyl chloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Xylenes, Total	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Freon 113	EPA 8260B	11C0395	2.0	ND	1	3/10/2011	3/10/2011	
Surrogate: Dibromofluoromethane (70-130%)				*111 %*				
Surrogate: Toluene-d8 (70-130%)				*105 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*106 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-03 (OU3-11S-S-030811 - Water) **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Acetone	EPA 8260B	11C0395	10	ND	1	3/10/2011	3/10/2011	
Benzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromodichloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromoform	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Bromomethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Butanone (MEK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
sec-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
tert-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon disulfide	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon tetrachloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chloroethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Chloroform	EPA 8260B	11C0395	0.50	**0.73**	1	3/10/2011	3/10/2011	
Chloromethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
4-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromomethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dichlorodifluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
2,2-Dichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Ethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Hexachlorobutadiene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-03 (OU3-11S-S-030811 - Water) - cont. **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
2-Hexanone	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Iodomethane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Isopropylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
p-Isopropyltoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Methylene Chloride	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Naphthalene	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Propylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Styrene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Tetrachloroethene	EPA 8260B	11C0395	0.50	**1.6**	1	3/10/2011	3/10/2011	
Toluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichlorofluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Vinyl Acetate	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	L3
Vinyl chloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Xylenes, Total	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Freon 113	EPA 8260B	11C0395	2.0	ND	1	3/10/2011	3/10/2011	
Surrogate: Dibromofluoromethane (70-130%)				*121 %*				
Surrogate: Toluene-d8 (70-130%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-04 (BE-MW-8-S-030811 - Water) **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Acetone	EPA 8260B	11C0395	10	ND	1	3/10/2011	3/10/2011	
Benzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromodichloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromoform	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Bromomethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Butanone (MEK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
sec-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
tert-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon disulfide	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon tetrachloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chloroethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Chloroform	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chloromethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
4-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromomethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dichlorodifluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
2,2-Dichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Ethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Hexachlorobutadiene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-04 (BE-MW-8-S-030811 - Water) - cont. **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
2-Hexanone	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Iodomethane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Isopropylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
p-Isopropyltoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Methylene Chloride	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Naphthalene	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Propylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Styrene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Tetrachloroethene	EPA 8260B	11C0395	0.50	**8.8**	1	3/10/2011	3/10/2011	
Toluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichloroethene	EPA 8260B	11C0395	0.50	**0.50**	1	3/10/2011	3/10/2011	
Trichlorofluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Vinyl Acetate	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	L3
Vinyl chloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Xylenes, Total	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Freon 113	EPA 8260B	11C0395	2.0	ND	1	3/10/2011	3/10/2011	
Surrogate: Dibromofluoromethane (70-130%)				*122 %*				
Surrogate: Toluene-d8 (70-130%)				*107 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-05 (BE-MW-8-S-030811-R1 - Water) **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Acetone	EPA 8260B	11C0395	10	ND	1	3/10/2011	3/10/2011	
Benzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromochloromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Bromodichloromethane	EPA 8260B	11C0395	0.50	**4.6**	1	3/10/2011	3/10/2011	
Bromoform	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Bromomethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Butanone (MEK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
sec-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
tert-Butylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon disulfide	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Carbon tetrachloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Chloroethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Chloroform	EPA 8260B	11C0395	0.50	**8.3**	1	3/10/2011	3/10/2011	
Chloromethane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
2-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
4-Chlorotoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromochloromethane	EPA 8260B	11C0395	0.50	**1.7**	1	3/10/2011	3/10/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dibromomethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Dichlorodifluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3-Dichloropropane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
2,2-Dichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Ethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Hexachlorobutadiene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-05 (BE-MW-8-S-030811-R1 - Water) - cont. **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
2-Hexanone	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Iodomethane	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Isopropylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
p-Isopropyltoluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Methylene Chloride	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Naphthalene	EPA 8260B	11C0395	2.5	ND	1	3/10/2011	3/10/2011	
n-Propylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Styrene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Tetrachloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Toluene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichloroethene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Trichlorofluoromethane	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Vinyl Acetate	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	L3
Vinyl chloride	EPA 8260B	11C0395	0.50	ND	1	3/10/2011	3/10/2011	
Xylenes, Total	EPA 8260B	11C0395	1.0	ND	1	3/10/2011	3/10/2011	
Freon 113	EPA 8260B	11C0395	2.0	ND	1	3/10/2011	3/10/2011	
Surrogate: Dibromofluoromethane (70-130%)				*126 %*				
Surrogate: Toluene-d8 (70-130%)				*109 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*104 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-06RE1 (OU3-4S-S-030811 - Water) **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Acetone	EPA 8260B	11C0531	10	ND	1	3/14/2011	3/15/2011	L3
Benzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromoform	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Chloroform	EPA 8260B	11C0531	0.50	**1.2**	1	3/14/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-06RE1 (OU3-4S-S-030811 - Water) - cont. **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
2-Hexanone	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Isopropylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Styrene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0531	0.50	**3.3**	1	3/14/2011	3/15/2011	
Toluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Vinyl chloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Freon 113	EPA 8260B	11C0531	2.0	ND	1	3/14/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*93 %*				
Surrogate: Toluene-d8 (70-130%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*108 %*				

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-07RE1 (EW-21-S-030811 - Water) **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Acetone	EPA 8260B	11C0531	10	ND	1	3/14/2011	3/15/2011	L3
Benzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromoform	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Chloroform	EPA 8260B	11C0531	0.50	**0.80**	1	3/14/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-07RE1 (EW-21-S-030811 - Water) - cont. **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
2-Hexanone	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Isopropylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Styrene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Toluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0531	0.50	**3.0**	1	3/14/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Vinyl chloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Freon 113	EPA 8260B	11C0531	2.0	ND	1	3/14/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*90 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*110 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-08 (EW-21-S-030811-Q1 - Water) **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Acetone	EPA 8260B	11C0531	10	ND	1	3/14/2011	3/15/2011	L3
Benzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromoform	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Chloroform	EPA 8260B	11C0531	0.50	**0.85**	1	3/14/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0525-08 (EW-21-S-030811-Q1 - Water) - cont.					**Sampled: 03/08/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Isopropylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Styrene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Toluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0531	0.50	**3.0**	1	3/14/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Vinyl chloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Freon 113	EPA 8260B	11C0531	2.0	ND	1	3/14/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*92 %*				
Surrogate: Toluene-d8 (70-130%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*108 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-09 (EW-21-S-030811-EB - Water) **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Acetone	EPA 8260B	11C0531	10	ND	1	3/14/2011	3/15/2011	L3
Benzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0531	0.50	**3.9**	1	3/14/2011	3/15/2011	
Bromoform	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Chloroform	EPA 8260B	11C0531	0.50	**6.1**	1	3/14/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0531	0.50	**1.5**	1	3/14/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-09 (EW-21-S-030811-EB - Water) - cont. **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
2-Hexanone	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Isopropylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Styrene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Toluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Vinyl chloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Freon 113	EPA 8260B	11C0531	2.0	ND	1	3/14/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*90 %*				
Surrogate: Toluene-d8 (70-130%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-10 (GW-L1-1-030811 - Water) **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Acetone	EPA 8260B	11C0531	10	ND	1	3/14/2011	3/14/2011	L3
Benzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromodichloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromoform	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Bromomethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
2-Butanone (MEK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
n-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
sec-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
tert-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Carbon disulfide	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Carbon tetrachloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Chlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Chloroethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Chloroform	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Chloromethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
2-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
4-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Dibromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Dibromomethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Dichlorodifluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,3-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
2,2-Dichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,1-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Ethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Hexachlorobutadiene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0525-10 (GW-L1-1-030811 - Water) - cont. **Sampled: 03/08/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
2-Hexanone	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
Iodomethane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
Isopropylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
p-Isopropyltoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Methylene Chloride	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Naphthalene	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
n-Propylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Styrene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Tetrachloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Toluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Trichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Trichlorofluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Vinyl Acetate	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Vinyl chloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Xylenes, Total	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Freon 113	EPA 8260B	11C0531	2.0	ND	1	3/14/2011	3/14/2011	
Surrogate: Dibromofluoromethane (70-130%)				*96 %*				
Surrogate: Toluene-d8 (70-130%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*102 %*				

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0525-01 (OU3-11M2-M2-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	**1.0**	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*76 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*82 %*				
Sample ID: PUC0525-02 (OU3-11M-M-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	**1.1**	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*76 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*83 %*				
Sample ID: PUC0525-03 (OU3-11S-S-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	ND	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*79 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*86 %*				
Sample ID: PUC0525-04 (BE-MW-8-S-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	ND	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*71 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*86 %*				
Sample ID: PUC0525-05 (BE-MW-8-S-030811-R1 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	ND	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*78 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*87 %*				
Sample ID: PUC0525-06 (OU3-4S-S-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	ND	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*81 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*89 %*				
Sample ID: PUC0525-07 (EW-21-S-030811 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	ND	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*76 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*83 %*				

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Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0525-08 (EW-21-S-030811-Q1 - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	ND	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*77 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*86 %*				
Sample ID: PUC0525-09 (EW-21-S-030811-EB - Water)					**Sampled: 03/08/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	ND	1	3/9/2011	3/11/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*70 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*83 %*				

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Sampled: 03/08/11
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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0395 Extracted: 03/10/11										
Blank Analyzed: 03/10/2011 (11C0395-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0395 Extracted: 03/10/11										
Blank Analyzed: 03/10/2011 (11C0395-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*26.9*		*ug/l*	*25.0*		*108*	*70-130*			
Surrogate: Toluene-d8	*26.6*		*ug/l*	*25.0*		*106*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*70-130*			

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Sampled: 03/08/11
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0395 Extracted: 03/10/11										
LCS Analyzed: 03/10/2011 (11C0395-BS1)										
Acetone	15.4	10	ug/l	25.0		62	30-150			
Benzene	23.9	0.50	ug/l	25.0		95	70-130			
Bromobenzene	24.7	0.50	ug/l	25.0		99	70-130			
Bromochloromethane	25.8	0.50	ug/l	25.0		103	70-130			
Bromodichloromethane	27.1	0.50	ug/l	25.0		108	70-130			
Bromoform	22.6	1.0	ug/l	25.0		90	67-122			
Bromomethane	24.4	1.0	ug/l	25.0		98	64-132			
2-Butanone (MEK)	20.4	2.5	ug/l	25.0		82	48-150			
n-Butylbenzene	26.4	0.50	ug/l	25.0		105	70-130			
sec-Butylbenzene	24.0	0.50	ug/l	25.0		96	70-130			
tert-Butylbenzene	24.0	0.50	ug/l	25.0		96	70-130			
Carbon disulfide	26.4	0.50	ug/l	25.0		106	61-126			
Carbon tetrachloride	27.8	0.50	ug/l	25.0		111	70-130			
Chlorobenzene	25.5	0.50	ug/l	25.0		102	70-130			
Chloroethane	25.0	1.0	ug/l	25.0		100	69-128			
Chloroform	26.4	0.50	ug/l	25.0		105	70-130			
Chloromethane	25.7	1.0	ug/l	25.0		103	56-131			
2-Chlorotoluene	23.2	0.50	ug/l	25.0		93	70-130			
4-Chlorotoluene	25.7	0.50	ug/l	25.0		103	70-130			
Dibromochloromethane	24.4	0.50	ug/l	25.0		98	70-130			
1,2-Dibromo-3-chloropropane	25.2	2.5	ug/l	25.0		101	63-129			
1,2-Dibromoethane (EDB)	26.0	0.50	ug/l	25.0		104	70-130			
Dibromomethane	27.5	0.50	ug/l	25.0		110	70-130			
1,2-Dichlorobenzene	25.6	0.50	ug/l	25.0		102	70-130			
1,3-Dichlorobenzene	25.0	0.50	ug/l	25.0		100	70-130			
1,4-Dichlorobenzene	25.5	0.50	ug/l	25.0		102	70-130			
Dichlorodifluoromethane	30.0	0.50	ug/l	25.0		120	42-150			
1,1-Dichloroethane	26.0	0.50	ug/l	25.0		104	70-130			
1,2-Dichloroethane	28.4	0.50	ug/l	25.0		114	72-133			
1,1-Dichloroethene	23.9	0.50	ug/l	25.0		96	70-130			
cis-1,2-Dichloroethene	24.8	0.50	ug/l	25.0		99	70-130			
trans-1,2-Dichloroethene	25.3	0.50	ug/l	25.0		101	70-130			
1,2-Dichloropropane	25.2	0.50	ug/l	25.0		101	70-130			
1,3-Dichloropropane	25.9	0.50	ug/l	25.0		104	70-130			
2,2-Dichloropropane	27.0	1.0	ug/l	25.0		108	70-130			

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Kylie Emily
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Environmental Resources Management Inc.-West
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Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0395 Extracted: 03/10/11										
LCS Analyzed: 03/10/2011 (11C0395-BS1)										
1,1-Dichloropropene	24.9	0.50	ug/l	25.0		99	70-130			
cis-1,3-Dichloropropene	26.7	0.50	ug/l	25.0		107	70-130			
trans-1,3-Dichloropropene	26.2	0.50	ug/l	25.0		105	70-130			
Ethylbenzene	25.4	0.50	ug/l	25.0		102	70-130			
Hexachlorobutadiene	29.4	1.0	ug/l	25.0		118	70-130			
2-Hexanone	22.8	2.5	ug/l	25.0		91	44-150			
Iodomethane	26.4	2.5	ug/l	25.0		105	58-138			
Isopropylbenzene	26.0	0.50	ug/l	25.0		104	70-130			
p-Isopropyltoluene	26.0	0.50	ug/l	25.0		104	70-130			
Methylene Chloride	22.8	1.0	ug/l	25.0		91	70-130			
4-Methyl-2-pentanone (MIBK)	29.0	2.5	ug/l	25.0		116	61-142			
Methyl-tert-butyl Ether (MTBE)	27.5	0.50	ug/l	25.0		110	70-130			
Naphthalene	24.4	2.5	ug/l	25.0		98	65-129			
n-Propylbenzene	25.2	0.50	ug/l	25.0		101	70-130			
Styrene	24.1	0.50	ug/l	25.0		96	70-130			
1,1,1,2-Tetrachloroethane	27.4	0.50	ug/l	25.0		109	70-130			
1,1,2,2-Tetrachloroethane	25.4	0.50	ug/l	25.0		102	70-130			
Tetrachloroethene	24.0	0.50	ug/l	25.0		96	70-130			
Toluene	24.6	0.50	ug/l	25.0		98	70-130			
1,2,3-Trichlorobenzene	29.0	1.0	ug/l	25.0		116	70-130			
1,2,4-Trichlorobenzene	26.4	1.0	ug/l	25.0		106	70-130			
1,1,1-Trichloroethane	26.4	0.50	ug/l	25.0		105	70-130			
1,1,2-Trichloroethane	27.6	0.50	ug/l	25.0		110	70-130			
Trichloroethene	25.0	0.50	ug/l	25.0		100	70-130			
Trichlorofluoromethane	31.3	0.50	ug/l	25.0		125	78-149			
1,2,3-Trichloropropane	26.1	1.0	ug/l	25.0		104	70-130			
1,2,4-Trimethylbenzene	25.3	0.50	ug/l	25.0		101	70-130			
1,3,5-Trimethylbenzene	24.8	0.50	ug/l	25.0		99	70-130			
Vinyl Acetate	44.0	1.0	ug/l	25.0		176	57-149			*L3*
Vinyl chloride	27.4	0.50	ug/l	25.0		109	66-134			
Xylenes, Total	51.1	1.0	ug/l	50.0		102	70-130			
Freon 113	25.4	2.0	ug/l	25.0		101	63-136			
Surrogate: Dibromofluoromethane	*28.8*		*ug/l*	*25.0*		*115*	*70-130*			
Surrogate: Toluene-d8	*27.2*		*ug/l*	*25.0*		*109*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*30.2*		*ug/l*	*25.0*		*121*	*70-130*			

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Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0395 Extracted: 03/10/11										
LCS Dup Analyzed: 03/10/2011 (11C0395-BSD1)										
Acetone	31.4	10	ug/l	25.0		126	30-150	69	35	*R6*
Benzene	25.2	0.50	ug/l	25.0		101	70-130	5	20	
Bromobenzene	26.4	0.50	ug/l	25.0		106	70-130	7	20	
Bromochloromethane	28.2	0.50	ug/l	25.0		113	70-130	9	20	
Bromodichloromethane	29.0	0.50	ug/l	25.0		116	70-130	7	20	
Bromoform	24.3	1.0	ug/l	25.0		97	67-122	7	20	
Bromomethane	26.7	1.0	ug/l	25.0		107	64-132	9	20	
2-Butanone (MEK)	31.6	2.5	ug/l	25.0		126	48-150	43	33	*R6*
n-Butylbenzene	26.2	0.50	ug/l	25.0		105	70-130	0.7	20	
sec-Butylbenzene	24.6	0.50	ug/l	25.0		98	70-130	2	20	
tert-Butylbenzene	23.6	0.50	ug/l	25.0		94	70-130	2	20	
Carbon disulfide	28.9	0.50	ug/l	25.0		115	61-126	9	20	
Carbon tetrachloride	29.1	0.50	ug/l	25.0		116	70-130	5	20	
Chlorobenzene	25.0	0.50	ug/l	25.0		100	70-130	2	20	
Chloroethane	27.6	1.0	ug/l	25.0		110	69-128	10	20	
Chloroform	28.6	0.50	ug/l	25.0		114	70-130	8	20	
Chloromethane	27.5	1.0	ug/l	25.0		110	56-131	7	20	
2-Chlorotoluene	23.6	0.50	ug/l	25.0		94	70-130	2	20	
4-Chlorotoluene	25.4	0.50	ug/l	25.0		101	70-130	1	20	
Dibromochloromethane	26.1	0.50	ug/l	25.0		104	70-130	7	20	
1,2-Dibromo-3-chloropropane	26.4	2.5	ug/l	25.0		106	63-129	5	25	
1,2-Dibromoethane (EDB)	27.5	0.50	ug/l	25.0		110	70-130	5	20	
Dibromomethane	30.2	0.50	ug/l	25.0		121	70-130	9	20	
1,2-Dichlorobenzene	25.4	0.50	ug/l	25.0		102	70-130	0.7	20	
1,3-Dichlorobenzene	26.3	0.50	ug/l	25.0		105	70-130	5	20	
1,4-Dichlorobenzene	24.7	0.50	ug/l	25.0		99	70-130	3	20	
Dichlorodifluoromethane	33.3	0.50	ug/l	25.0		133	42-150	10	20	
1,1-Dichloroethane	27.1	0.50	ug/l	25.0		108	70-130	4	20	
1,2-Dichloroethane	31.1	0.50	ug/l	25.0		125	72-133	9	20	
1,1-Dichloroethene	25.7	0.50	ug/l	25.0		103	70-130	7	20	
cis-1,2-Dichloroethene	26.2	0.50	ug/l	25.0		105	70-130	5	20	
trans-1,2-Dichloroethene	27.2	0.50	ug/l	25.0		109	70-130	8	20	
1,2-Dichloropropane	27.4	0.50	ug/l	25.0		109	70-130	8	20	
1,3-Dichloropropane	26.8	0.50	ug/l	25.0		107	70-130	3	20	
2,2-Dichloropropane	27.8	1.0	ug/l	25.0		111	70-130	3	20	

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Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0395 Extracted: 03/10/11										
LCS Dup Analyzed: 03/10/2011 (11C0395-BSD1)										
1,1-Dichloropropene	26.0	0.50	ug/l	25.0		104	70-130	4	20	
cis-1,3-Dichloropropene	29.4	0.50	ug/l	25.0		117	70-130	9	20	
trans-1,3-Dichloropropene	26.7	0.50	ug/l	25.0		107	70-130	2	20	
Ethylbenzene	26.4	0.50	ug/l	25.0		105	70-130	4	20	
Hexachlorobutadiene	28.9	1.0	ug/l	25.0		115	70-130	2	20	
2-Hexanone	36.6	2.5	ug/l	25.0		146	44-150	46	31	*R6*
Iodomethane	29.2	2.5	ug/l	25.0		117	58-138	10	25	
Isopropylbenzene	25.9	0.50	ug/l	25.0		104	70-130	0.4	20	
p-Isopropyltoluene	26.0	0.50	ug/l	25.0		104	70-130	0.3	20	
Methylene Chloride	25.2	1.0	ug/l	25.0		101	70-130	10	20	
4-Methyl-2-pentanone (MIBK)	34.3	2.5	ug/l	25.0		137	61-142	17	22	
Methyl-tert-butyl Ether (MTBE)	29.9	0.50	ug/l	25.0		120	70-130	8	20	
Naphthalene	26.1	2.5	ug/l	25.0		104	65-129	7	20	
n-Propylbenzene	24.7	0.50	ug/l	25.0		99	70-130	2	20	
Styrene	24.4	0.50	ug/l	25.0		97	70-130	1	20	
1,1,1,2-Tetrachloroethane	27.9	0.50	ug/l	25.0		112	70-130	2	20	
1,1,2,2-Tetrachloroethane	26.6	0.50	ug/l	25.0		107	70-130	5	20	
Tetrachloroethene	26.2	0.50	ug/l	25.0		105	70-130	9	20	
Toluene	24.6	0.50	ug/l	25.0		98	70-130	0	20	
1,2,3-Trichlorobenzene	30.6	1.0	ug/l	25.0		123	70-130	5	20	
1,2,4-Trichlorobenzene	26.4	1.0	ug/l	25.0		106	70-130	0.1	20	
1,1,1-Trichloroethane	29.7	0.50	ug/l	25.0		119	70-130	12	20	
1,1,2-Trichloroethane	28.7	0.50	ug/l	25.0		115	70-130	4	20	
Trichloroethene	27.6	0.50	ug/l	25.0		111	70-130	10	20	
Trichlorofluoromethane	34.2	0.50	ug/l	25.0		137	78-149	9	20	
1,2,3-Trichloropropane	26.8	1.0	ug/l	25.0		107	70-130	3	20	
1,2,4-Trimethylbenzene	26.6	0.50	ug/l	25.0		107	70-130	5	20	
1,3,5-Trimethylbenzene	25.4	0.50	ug/l	25.0		102	70-130	2	20	
Vinyl Acetate	47.4	1.0	ug/l	25.0		190	57-149	7	21	*L3*
Vinyl chloride	27.8	0.50	ug/l	25.0		111	66-134	1	20	
Xylenes, Total	52.3	1.0	ug/l	50.0		105	70-130	2	20	
Freon 113	28.0	2.0	ug/l	25.0		112	63-136	10	20	
Surrogate: Dibromofluoromethane	*30.8*		*ug/l*	*25.0*		*123*	*70-130*			
Surrogate: Toluene-d8	*27.0*		*ug/l*	*25.0*		*108*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*29.0*		*ug/l*	*25.0*		*116*	*70-130*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0395 Extracted: 03/10/11										
Matrix Spike Analyzed: 03/10/2011 (11C0395-MS1)					**Source: PUC0505-08**					
Acetone	12.6	10	ug/l	25.0	ND	50	10-150			
Benzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Bromobenzene	23.8	0.50	ug/l	25.0	ND	95	70-130			
Bromochloromethane	24.7	0.50	ug/l	25.0	ND	99	70-130			
Bromodichloromethane	27.7	0.50	ug/l	25.0	ND	111	70-130			
Bromoform	22.6	1.0	ug/l	25.0	ND	90	62-126			
Bromomethane	23.3	1.0	ug/l	25.0	ND	93	55-136			
2-Butanone (MEK)	17.7	2.5	ug/l	25.0	ND	71	22-150			
n-Butylbenzene	24.2	0.50	ug/l	25.0	ND	97	70-130			
sec-Butylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130			
tert-Butylbenzene	23.1	0.50	ug/l	25.0	ND	92	70-130			
Carbon disulfide	24.3	0.50	ug/l	25.0	ND	97	56-132			
Carbon tetrachloride	27.5	0.50	ug/l	25.0	ND	110	76-131			
Chlorobenzene	24.5	0.50	ug/l	25.0	ND	98	70-130			
Chloroethane	22.9	1.0	ug/l	25.0	ND	92	67-134			
Chloroform	24.9	0.50	ug/l	25.0	ND	99	70-130			
Chloromethane	21.8	1.0	ug/l	25.0	ND	87	50-135			
2-Chlorotoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
4-Chlorotoluene	24.0	0.50	ug/l	25.0	ND	96	70-130			
Dibromochloromethane	24.6	0.50	ug/l	25.0	ND	98	70-130			
1,2-Dibromo-3-chloropropane	25.5	2.5	ug/l	25.0	ND	102	60-135			
1,2-Dibromoethane (EDB)	26.2	0.50	ug/l	25.0	ND	105	70-130			
Dibromomethane	27.8	0.50	ug/l	25.0	ND	111	70-130			
1,2-Dichlorobenzene	24.6	0.50	ug/l	25.0	ND	98	70-130			
1,3-Dichlorobenzene	24.6	0.50	ug/l	25.0	ND	98	70-130			
1,4-Dichlorobenzene	24.2	0.50	ug/l	25.0	ND	97	70-130			
Dichlorodifluoromethane	25.0	0.50	ug/l	25.0	ND	100	36-150			
1,1-Dichloroethane	23.9	0.50	ug/l	25.0	ND	96	70-130			
1,2-Dichloroethane	26.6	0.50	ug/l	25.0	ND	106	68-143			
1,1-Dichloroethene	21.0	0.50	ug/l	25.0	ND	84	70-130			
cis-1,2-Dichloroethene	23.7	0.50	ug/l	25.0	ND	95	70-130			
trans-1,2-Dichloroethene	22.9	0.50	ug/l	25.0	ND	92	70-130			
1,2-Dichloropropane	25.1	0.50	ug/l	25.0	ND	100	70-130			
1,3-Dichloropropane	24.8	0.50	ug/l	25.0	ND	99	70-130			
2,2-Dichloropropane	24.7	1.0	ug/l	25.0	ND	99	66-130			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0395 Extracted: 03/10/11										
Matrix Spike Analyzed: 03/10/2011 (11C0395-MS1)					**Source: PUC0505-08**					
1,1-Dichloropropene	25.2	0.50	ug/l	25.0	ND	101	70-130			
cis-1,3-Dichloropropene	26.6	0.50	ug/l	25.0	ND	106	70-130			
trans-1,3-Dichloropropene	25.8	0.50	ug/l	25.0	ND	103	71-132			
Ethylbenzene	25.0	0.50	ug/l	25.0	ND	100	70-130			
Hexachlorobutadiene	28.5	1.0	ug/l	25.0	ND	114	66-129			
2-Hexanone	22.0	2.5	ug/l	25.0	ND	88	18-150			
Iodomethane	25.0	2.5	ug/l	25.0	ND	100	47-141			
Isopropylbenzene	24.7	0.50	ug/l	25.0	ND	99	78-137			
p-Isopropyltoluene	25.4	0.50	ug/l	25.0	ND	102	70-130			
Methylene Chloride	22.0	1.0	ug/l	25.0	0.250	87	74-132			
4-Methyl-2-pentanone (MIBK)	28.1	2.5	ug/l	25.0	ND	113	56-145			
Methyl-tert-butyl Ether (MTBE)	25.6	0.50	ug/l	25.0	ND	102	67-138			
Naphthalene	24.5	2.5	ug/l	25.0	1.11	94	54-135			
n-Propylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130			
Styrene	21.6	0.50	ug/l	25.0	ND	87	51-123			
1,1,1,2-Tetrachloroethane	26.9	0.50	ug/l	25.0	ND	108	70-130			
1,1,2,2-Tetrachloroethane	25.0	0.50	ug/l	25.0	ND	100	69-133			
Tetrachloroethene	23.6	0.50	ug/l	25.0	ND	95	70-130			
Toluene	23.9	0.50	ug/l	25.0	ND	95	70-130			
1,2,3-Trichlorobenzene	29.2	1.0	ug/l	25.0	ND	117	70-130			
1,2,4-Trichlorobenzene	25.7	1.0	ug/l	25.0	ND	103	66-126			
1,1,1-Trichloroethane	25.1	0.50	ug/l	25.0	ND	101	76-132			
1,1,2-Trichloroethane	26.7	0.50	ug/l	25.0	ND	107	70-130			
Trichloroethene	24.4	0.50	ug/l	25.0	ND	98	70-130			
Trichlorofluoromethane	28.7	0.50	ug/l	25.0	ND	115	74-150			
1,2,3-Trichloropropane	25.4	1.0	ug/l	25.0	ND	102	70-130			
1,2,4-Trimethylbenzene	24.0	0.50	ug/l	25.0	ND	96	70-130			
1,3,5-Trimethylbenzene	23.5	0.50	ug/l	25.0	ND	94	61-138			
Vinyl Acetate	42.4	1.0	ug/l	25.0	ND	170	50-150			*N1*
Vinyl chloride	22.2	0.50	ug/l	25.0	ND	89	58-139			
Xylenes, Total	48.8	1.0	ug/l	50.0	ND	98	70-130			
Freon 113	23.3	2.0	ug/l	25.0	ND	93	56-148			
Surrogate: Dibromofluoromethane	*27.8*		*ug/l*	*25.0*		*111*	*70-130*			
Surrogate: Toluene-d8	*28.1*		*ug/l*	*25.0*		*112*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*28.5*		*ug/l*	*25.0*		*114*	*70-130*			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0395 Extracted: 03/10/11										
Matrix Spike Dup Analyzed: 03/10/2011 (11C0395-MSD1)					**Source: PUC0505-08**					
Acetone	14.0	10	ug/l	25.0	ND	56	10-150	11	35	
Benzene	25.5	0.50	ug/l	25.0	ND	102	70-130	12	20	
Bromobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	1	20	
Bromochloromethane	26.6	0.50	ug/l	25.0	ND	106	70-130	7	20	
Bromodichloromethane	28.8	0.50	ug/l	25.0	ND	115	70-130	4	20	
Bromoform	22.3	1.0	ug/l	25.0	ND	89	62-126	1	20	
Bromomethane	24.7	1.0	ug/l	25.0	ND	99	55-136	6	24	
2-Butanone (MEK)	18.1	2.5	ug/l	25.0	ND	72	22-150	3	31	
n-Butylbenzene	25.4	0.50	ug/l	25.0	ND	102	70-130	5	20	
sec-Butylbenzene	23.6	0.50	ug/l	25.0	ND	94	70-130	1	20	
tert-Butylbenzene	23.2	0.50	ug/l	25.0	ND	93	70-130	0.5	20	
Carbon disulfide	26.4	0.50	ug/l	25.0	ND	105	56-132	8	20	
Carbon tetrachloride	29.9	0.50	ug/l	25.0	ND	120	76-131	8	20	
Chlorobenzene	24.7	0.50	ug/l	25.0	ND	99	70-130	0.6	20	
Chloroethane	24.6	1.0	ug/l	25.0	ND	98	67-134	7	20	
Chloroform	25.8	0.50	ug/l	25.0	ND	103	70-130	4	20	
Chloromethane	23.8	1.0	ug/l	25.0	ND	95	50-135	9	20	
2-Chlorotoluene	22.9	0.50	ug/l	25.0	ND	91	70-130	3	20	
4-Chlorotoluene	24.8	0.50	ug/l	25.0	ND	99	70-130	3	20	
Dibromochloromethane	24.3	0.50	ug/l	25.0	ND	97	70-130	1	20	
1,2-Dibromo-3-chloropropane	25.5	2.5	ug/l	25.0	ND	102	60-135	0.1	29	
1,2-Dibromoethane (EDB)	25.0	0.50	ug/l	25.0	ND	100	70-130	5	20	
Dibromomethane	29.3	0.50	ug/l	25.0	ND	117	70-130	6	20	
1,2-Dichlorobenzene	25.1	0.50	ug/l	25.0	ND	101	70-130	2	20	
1,3-Dichlorobenzene	25.5	0.50	ug/l	25.0	ND	102	70-130	3	20	
1,4-Dichlorobenzene	25.3	0.50	ug/l	25.0	ND	101	70-130	4	20	
Dichlorodifluoromethane	29.9	0.50	ug/l	25.0	ND	120	36-150	18	22	
1,1-Dichloroethane	26.2	0.50	ug/l	25.0	ND	105	70-130	9	20	
1,2-Dichloroethane	28.0	0.50	ug/l	25.0	ND	112	68-143	5	20	
1,1-Dichloroethene	23.1	0.50	ug/l	25.0	ND	93	70-130	10	20	
cis-1,2-Dichloroethene	24.7	0.50	ug/l	25.0	ND	99	70-130	4	20	
trans-1,2-Dichloroethene	24.6	0.50	ug/l	25.0	ND	98	70-130	7	20	
1,2-Dichloropropane	26.4	0.50	ug/l	25.0	ND	106	70-130	5	20	
1,3-Dichloropropane	25.6	0.50	ug/l	25.0	ND	102	70-130	3	20	
2,2-Dichloropropane	26.6	1.0	ug/l	25.0	ND	106	66-130	7	20	

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Environmental Resources Management Inc.-West
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Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0395 Extracted: 03/10/11										
Matrix Spike Dup Analyzed: 03/10/2011 (11C0395-MSD1)					**Source: PUC0505-08**					
1,1-Dichloropropene	26.3	0.50	ug/l	25.0	ND	105	70-130	4	20	
cis-1,3-Dichloropropene	28.6	0.50	ug/l	25.0	ND	114	70-130	7	20	
trans-1,3-Dichloropropene	27.0	0.50	ug/l	25.0	ND	108	71-132	5	20	
Ethylbenzene	24.9	0.50	ug/l	25.0	ND	99	70-130	0.6	20	
Hexachlorobutadiene	27.8	1.0	ug/l	25.0	ND	111	66-129	2	21	
2-Hexanone	21.8	2.5	ug/l	25.0	ND	87	18-150	0.8	25	
Iodomethane	26.7	2.5	ug/l	25.0	ND	107	47-141	7	29	
Isopropylbenzene	25.3	0.50	ug/l	25.0	ND	101	78-137	3	20	
p-Isopropyltoluene	25.4	0.50	ug/l	25.0	ND	102	70-130	0.1	20	
Methylene Chloride	22.8	1.0	ug/l	25.0	0.250	90	74-132	3	20	
4-Methyl-2-pentanone (MIBK)	30.1	2.5	ug/l	25.0	ND	120	56-145	7	26	
Methyl-tert-butyl Ether (MTBE)	26.9	0.50	ug/l	25.0	ND	108	67-138	5	21	
Naphthalene	24.3	2.5	ug/l	25.0	1.11	93	54-135	0.8	33	
n-Propylbenzene	23.5	0.50	ug/l	25.0	ND	94	70-130	0.2	20	
Styrene	20.5	0.50	ug/l	25.0	ND	82	51-123	5	21	
1,1,1,2-Tetrachloroethane	27.0	0.50	ug/l	25.0	ND	108	70-130	0.2	20	
1,1,2,2-Tetrachloroethane	24.7	0.50	ug/l	25.0	ND	99	69-133	1	20	
Tetrachloroethene	25.2	0.50	ug/l	25.0	ND	101	70-130	6	20	
Toluene	25.5	0.50	ug/l	25.0	ND	102	70-130	6	20	
1,2,3-Trichlorobenzene	27.5	1.0	ug/l	25.0	ND	110	70-130	6	20	
1,2,4-Trichlorobenzene	25.0	1.0	ug/l	25.0	ND	100	66-126	3	20	
1,1,1-Trichloroethane	27.8	0.50	ug/l	25.0	ND	111	76-132	10	20	
1,1,2-Trichloroethane	28.0	0.50	ug/l	25.0	ND	112	70-130	5	20	
Trichloroethene	26.3	0.50	ug/l	25.0	ND	105	70-130	7	20	
Trichlorofluoromethane	31.4	0.50	ug/l	25.0	ND	126	74-150	9	20	
1,2,3-Trichloropropane	24.7	1.0	ug/l	25.0	ND	99	70-130	3	20	
1,2,4-Trimethylbenzene	25.6	0.50	ug/l	25.0	ND	102	70-130	6	20	
1,3,5-Trimethylbenzene	25.0	0.50	ug/l	25.0	ND	100	61-138	6	33	
Vinyl Acetate	40.8	1.0	ug/l	25.0	ND	163	50-150	4	23	*N1*
Vinyl chloride	25.6	0.50	ug/l	25.0	ND	103	58-139	15	21	
Xylenes, Total	48.4	1.0	ug/l	50.0	ND	97	70-130	0.8	20	
Freon 113	25.7	2.0	ug/l	25.0	ND	103	56-148	10	22	
Surrogate: Dibromofluoromethane	*28.8*		*ug/l*	*25.0*		*115*	*70-130*			
Surrogate: Toluene-d8	*28.0*		*ug/l*	*25.0*		*112*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*27.9*		*ug/l*	*25.0*		*112*	*70-130*			

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Blank Analyzed: 03/14/2011 (11C0531-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Blank Analyzed: 03/14/2011 (11C0531-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*23.7*		*ug/l*	*25.0*		*95*	*70-130*			
Surrogate: Toluene-d8	*24.3*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.4*		*ug/l*	*25.0*		*101*	*70-130*			

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Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
LCS Analyzed: 03/14/2011 (11C0531-BS1)										
Acetone	35.3	10	ug/l	25.0		141	30-150			
Benzene	23.2	0.50	ug/l	25.0		93	70-130			
Bromobenzene	24.8	0.50	ug/l	25.0		99	70-130			
Bromochloromethane	23.7	0.50	ug/l	25.0		95	70-130			
Bromodichloromethane	22.2	0.50	ug/l	25.0		89	70-130			
Bromoform	24.2	1.0	ug/l	25.0		97	67-122			
Bromomethane	21.5	1.0	ug/l	25.0		86	64-132			
2-Butanone (MEK)	29.8	2.5	ug/l	25.0		119	48-150			
n-Butylbenzene	26.0	0.50	ug/l	25.0		104	70-130			
sec-Butylbenzene	26.0	0.50	ug/l	25.0		104	70-130			
tert-Butylbenzene	25.7	0.50	ug/l	25.0		103	70-130			
Carbon disulfide	24.3	0.50	ug/l	25.0		97	61-126			
Carbon tetrachloride	23.6	0.50	ug/l	25.0		95	70-130			
Chlorobenzene	23.2	0.50	ug/l	25.0		93	70-130			
Chloroethane	24.8	1.0	ug/l	25.0		99	69-128			
Chloroform	23.3	0.50	ug/l	25.0		93	70-130			
Chloromethane	22.0	1.0	ug/l	25.0		88	56-131			
2-Chlorotoluene	24.9	0.50	ug/l	25.0		100	70-130			
4-Chlorotoluene	25.3	0.50	ug/l	25.0		101	70-130			
Dibromochloromethane	23.2	0.50	ug/l	25.0		93	70-130			
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0		91	63-129			
1,2-Dibromoethane (EDB)	23.2	0.50	ug/l	25.0		93	70-130			
Dibromomethane	23.2	0.50	ug/l	25.0		93	70-130			
1,2-Dichlorobenzene	24.9	0.50	ug/l	25.0		100	70-130			
1,3-Dichlorobenzene	24.3	0.50	ug/l	25.0		97	70-130			
1,4-Dichlorobenzene	24.9	0.50	ug/l	25.0		100	70-130			
Dichlorodifluoromethane	22.2	0.50	ug/l	25.0		89	42-150			
1,1-Dichloroethane	24.5	0.50	ug/l	25.0		98	70-130			
1,2-Dichloroethane	23.6	0.50	ug/l	25.0		94	72-133			
1,1-Dichloroethene	25.3	0.50	ug/l	25.0		101	70-130			
cis-1,2-Dichloroethene	22.9	0.50	ug/l	25.0		92	70-130			
trans-1,2-Dichloroethene	24.1	0.50	ug/l	25.0		97	70-130			
1,2-Dichloropropane	22.4	0.50	ug/l	25.0		90	70-130			
1,3-Dichloropropane	22.7	0.50	ug/l	25.0		91	70-130			
2,2-Dichloropropane	23.7	1.0	ug/l	25.0		95	70-130			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
LCS Analyzed: 03/14/2011 (11C0531-BS1)										
1,1-Dichloropropene	24.1	0.50	ug/l	25.0		97	70-130			
cis-1,3-Dichloropropene	23.1	0.50	ug/l	25.0		92	70-130			
trans-1,3-Dichloropropene	24.5	0.50	ug/l	25.0		98	70-130			
Ethylbenzene	23.0	0.50	ug/l	25.0		92	70-130			
Hexachlorobutadiene	27.8	1.0	ug/l	25.0		111	70-130			
2-Hexanone	32.4	2.5	ug/l	25.0		129	44-150			
Iodomethane	30.2	2.5	ug/l	25.0		121	58-138			
Isopropylbenzene	28.0	0.50	ug/l	25.0		112	70-130			
p-Isopropyltoluene	25.7	0.50	ug/l	25.0		103	70-130			
Methylene Chloride	23.3	1.0	ug/l	25.0		93	70-130			
4-Methyl-2-pentanone (MIBK)	25.6	2.5	ug/l	25.0		102	61-142			
Methyl-tert-butyl Ether (MTBE)	23.7	0.50	ug/l	25.0		95	70-130			
Naphthalene	27.7	2.5	ug/l	25.0		111	65-129			
n-Propylbenzene	26.7	0.50	ug/l	25.0		107	70-130			
Styrene	24.3	0.50	ug/l	25.0		97	70-130			
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0		88	70-130			
1,1,2,2-Tetrachloroethane	25.5	0.50	ug/l	25.0		102	70-130			
Tetrachloroethene	23.8	0.50	ug/l	25.0		95	70-130			
Toluene	22.9	0.50	ug/l	25.0		91	70-130			
1,2,3-Trichlorobenzene	27.0	1.0	ug/l	25.0		108	70-130			
1,2,4-Trichlorobenzene	27.3	1.0	ug/l	25.0		109	70-130			
1,1,1-Trichloroethane	23.4	0.50	ug/l	25.0		94	70-130			
1,1,2-Trichloroethane	22.8	0.50	ug/l	25.0		91	70-130			
Trichloroethene	22.3	0.50	ug/l	25.0		89	70-130			
Trichlorofluoromethane	27.9	0.50	ug/l	25.0		112	78-149			
1,2,3-Trichloropropane	26.0	1.0	ug/l	25.0		104	70-130			
1,2,4-Trimethylbenzene	26.2	0.50	ug/l	25.0		105	70-130			
1,3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0		101	70-130			
Vinyl Acetate	36.8	1.0	ug/l	25.0		147	57-149			
Vinyl chloride	25.1	0.50	ug/l	25.0		101	66-134			
Xylenes, Total	47.9	1.0	ug/l	50.0		96	70-130			
Freon 113	25.1	2.0	ug/l	25.0		100	63-136			
Surrogate: Dibromofluoromethane	*24.7*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.9*		*ug/l*	*25.0*		*96*	*70-130*			

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
LCS Dup Analyzed: 03/14/2011 (11C0531-BSD1)										
Acetone	38.8	10	ug/l	25.0		155	30-150	9	35	*L3*
Benzene	23.0	0.50	ug/l	25.0		92	70-130	1	20	
Bromobenzene	25.0	0.50	ug/l	25.0		100	70-130	0.6	20	
Bromochloromethane	23.7	0.50	ug/l	25.0		95	70-130	0.04	20	
Bromodichloromethane	23.0	0.50	ug/l	25.0		92	70-130	4	20	
Bromoform	25.2	1.0	ug/l	25.0		101	67-122	4	20	
Bromomethane	22.0	1.0	ug/l	25.0		88	64-132	2	20	
2-Butanone (MEK)	31.1	2.5	ug/l	25.0		124	48-150	4	33	
n-Butylbenzene	25.2	0.50	ug/l	25.0		101	70-130	3	20	
sec-Butylbenzene	25.1	0.50	ug/l	25.0		101	70-130	4	20	
tert-Butylbenzene	24.3	0.50	ug/l	25.0		97	70-130	6	20	
Carbon disulfide	23.4	0.50	ug/l	25.0		94	61-126	4	20	
Carbon tetrachloride	23.8	0.50	ug/l	25.0		95	70-130	0.6	20	
Chlorobenzene	22.9	0.50	ug/l	25.0		92	70-130	1	20	
Chloroethane	24.0	1.0	ug/l	25.0		96	69-128	3	20	
Chloroform	22.9	0.50	ug/l	25.0		92	70-130	2	20	
Chloromethane	21.6	1.0	ug/l	25.0		86	56-131	2	20	
2-Chlorotoluene	23.9	0.50	ug/l	25.0		96	70-130	4	20	
4-Chlorotoluene	24.2	0.50	ug/l	25.0		97	70-130	4	20	
Dibromochloromethane	24.1	0.50	ug/l	25.0		97	70-130	4	20	
1,2-Dibromo-3-chloropropane	24.4	2.5	ug/l	25.0		98	63-129	7	25	
1,2-Dibromoethane (EDB)	24.2	0.50	ug/l	25.0		97	70-130	4	20	
Dibromomethane	25.0	0.50	ug/l	25.0		100	70-130	7	20	
1,2-Dichlorobenzene	24.4	0.50	ug/l	25.0		98	70-130	2	20	
1,3-Dichlorobenzene	24.2	0.50	ug/l	25.0		97	70-130	0.4	20	
1,4-Dichlorobenzene	24.3	0.50	ug/l	25.0		97	70-130	3	20	
Dichlorodifluoromethane	20.9	0.50	ug/l	25.0		84	42-150	6	20	
1,1-Dichloroethane	23.0	0.50	ug/l	25.0		92	70-130	6	20	
1,2-Dichloroethane	23.9	0.50	ug/l	25.0		96	72-133	1	20	
1,1-Dichloroethene	24.6	0.50	ug/l	25.0		98	70-130	3	20	
cis-1,2-Dichloroethene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
trans-1,2-Dichloroethene	22.7	0.50	ug/l	25.0		91	70-130	6	20	
1,2-Dichloropropane	23.4	0.50	ug/l	25.0		94	70-130	4	20	
1,3-Dichloropropane	23.8	0.50	ug/l	25.0		95	70-130	5	20	
2,2-Dichloropropane	23.1	1.0	ug/l	25.0		92	70-130	3	20	

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Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
LCS Dup Analyzed: 03/14/2011 (11C0531-BSD1)										
1,1-Dichloropropene	24.0	0.50	ug/l	25.0		96	70-130	0.5	20	
cis-1,3-Dichloropropene	23.5	0.50	ug/l	25.0		94	70-130	2	20	
trans-1,3-Dichloropropene	25.3	0.50	ug/l	25.0		101	70-130	3	20	
Ethylbenzene	23.4	0.50	ug/l	25.0		93	70-130	1	20	
Hexachlorobutadiene	26.2	1.0	ug/l	25.0		105	70-130	6	20	
2-Hexanone	34.2	2.5	ug/l	25.0		137	44-150	6	31	
Iodomethane	27.9	2.5	ug/l	25.0		112	58-138	8	25	
Isopropylbenzene	27.0	0.50	ug/l	25.0		108	70-130	4	20	
p-Isopropyltoluene	24.8	0.50	ug/l	25.0		99	70-130	3	20	
Methylene Chloride	22.4	1.0	ug/l	25.0		90	70-130	4	20	
4-Methyl-2-pentanone (MIBK)	27.2	2.5	ug/l	25.0		109	61-142	6	22	
Methyl-tert-butyl Ether (MTBE)	24.0	0.50	ug/l	25.0		96	70-130	1	20	
Naphthalene	29.4	2.5	ug/l	25.0		118	65-129	6	20	
n-Propylbenzene	25.3	0.50	ug/l	25.0		101	70-130	5	20	
Styrene	24.1	0.50	ug/l	25.0		97	70-130	0.9	20	
1,1,1,2-Tetrachloroethane	22.3	0.50	ug/l	25.0		89	70-130	2	20	
1,1,2,2-Tetrachloroethane	26.6	0.50	ug/l	25.0		107	70-130	5	20	
Tetrachloroethene	23.1	0.50	ug/l	25.0		92	70-130	3	20	
Toluene	22.6	0.50	ug/l	25.0		90	70-130	1	20	
1,2,3-Trichlorobenzene	27.1	1.0	ug/l	25.0		108	70-130	0.1	20	
1,2,4-Trichlorobenzene	27.0	1.0	ug/l	25.0		108	70-130	0.8	20	
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0		91	70-130	3	20	
1,1,2-Trichloroethane	24.1	0.50	ug/l	25.0		97	70-130	6	20	
Trichloroethene	22.3	0.50	ug/l	25.0		89	70-130	0.2	20	
Trichlorofluoromethane	27.2	0.50	ug/l	25.0		109	78-149	3	20	
1,2,3-Trichloropropane	25.8	1.0	ug/l	25.0		103	70-130	0.7	20	
1,2,4-Trimethylbenzene	24.5	0.50	ug/l	25.0		98	70-130	7	20	
1,3,5-Trimethylbenzene	24.6	0.50	ug/l	25.0		99	70-130	3	20	
Vinyl Acetate	36.1	1.0	ug/l	25.0		144	57-149	2	21	
Vinyl chloride	23.9	0.50	ug/l	25.0		96	66-134	5	20	
Xylenes, Total	47.4	1.0	ug/l	50.0		95	70-130	0.9	20	
Freon 113	23.7	2.0	ug/l	25.0		95	63-136	6	20	
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.1*		*ug/l*	*25.0*		*96*	*70-130*			

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Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Matrix Spike Analyzed: 03/14/2011 (11C0531-MS1)					**Source: PUC0598-01**					
Acetone	20.4	10	ug/l	25.0	ND	81	10-150			
Benzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
Bromobenzene	22.7	0.50	ug/l	25.0	ND	91	70-130			
Bromochloromethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
Bromodichloromethane	21.4	0.50	ug/l	25.0	0.110	85	70-130			
Bromoform	22.4	1.0	ug/l	25.0	ND	90	62-126			
Bromomethane	20.1	1.0	ug/l	25.0	ND	81	55-136			
2-Butanone (MEK)	21.7	2.5	ug/l	25.0	ND	87	22-150			
n-Butylbenzene	23.6	0.50	ug/l	25.0	ND	94	70-130			
sec-Butylbenzene	23.1	0.50	ug/l	25.0	ND	92	70-130			
tert-Butylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Carbon disulfide	23.0	0.50	ug/l	25.0	0.220	91	56-132			
Carbon tetrachloride	23.1	0.50	ug/l	25.0	ND	93	76-131			
Chlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
Chloroethane	22.6	1.0	ug/l	25.0	ND	91	67-134			
Chloroform	21.7	0.50	ug/l	25.0	0.750	84	70-130			
Chloromethane	20.7	1.0	ug/l	25.0	ND	83	50-135			
2-Chlorotoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
4-Chlorotoluene	23.0	0.50	ug/l	25.0	ND	92	70-130			
Dibromochloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dibromo-3-chloropropane	21.4	2.5	ug/l	25.0	ND	86	60-135			
1,2-Dibromoethane (EDB)	22.4	0.50	ug/l	25.0	ND	90	70-130			
Dibromomethane	22.3	0.50	ug/l	25.0	ND	89	70-130			
1,2-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,3-Dichlorobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
1,4-Dichlorobenzene	22.7	0.50	ug/l	25.0	ND	91	70-130			
Dichlorodifluoromethane	19.7	0.50	ug/l	25.0	ND	79	36-150			
1,1-Dichloroethane	21.6	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dichloroethane	21.3	0.50	ug/l	25.0	ND	85	68-143			
1,1-Dichloroethene	23.7	0.50	ug/l	25.0	ND	95	70-130			
cis-1,2-Dichloroethene	21.3	0.50	ug/l	25.0	0.120	85	70-130			
trans-1,2-Dichloroethene	22.6	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3-Dichloropropane	22.3	0.50	ug/l	25.0	ND	89	70-130			
2,2-Dichloropropane	22.3	1.0	ug/l	25.0	ND	89	66-130			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Matrix Spike Analyzed: 03/14/2011 (11C0531-MS1)					**Source: PUC0598-01**					
1,1-Dichloropropene	23.0	0.50	ug/l	25.0	ND	92	70-130			
cis-1,3-Dichloropropene	22.2	0.50	ug/l	25.0	ND	89	70-130			
trans-1,3-Dichloropropene	23.4	0.50	ug/l	25.0	ND	94	71-132			
Ethylbenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
Hexachlorobutadiene	23.7	1.0	ug/l	25.0	ND	95	66-129			
2-Hexanone	23.2	2.5	ug/l	25.0	ND	93	18-150			
Iodomethane	23.4	2.5	ug/l	25.0	ND	94	47-141			
Isopropylbenzene	25.6	0.50	ug/l	25.0	ND	102	78-137			
p-Isopropyltoluene	23.7	0.50	ug/l	25.0	ND	95	70-130			
Methylene Chloride	21.0	1.0	ug/l	25.0	ND	84	74-132			
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0	ND	93	56-145			
Methyl-tert-butyl Ether (MTBE)	21.7	0.50	ug/l	25.0	ND	87	67-138			
Naphthalene	26.3	2.5	ug/l	25.0	ND	105	54-135			
n-Propylbenzene	24.1	0.50	ug/l	25.0	ND	96	70-130			
Styrene	23.0	0.50	ug/l	25.0	ND	92	51-123			
1,1,1,2-Tetrachloroethane	20.7	0.50	ug/l	25.0	ND	83	70-130			
1,1,2,2-Tetrachloroethane	23.6	0.50	ug/l	25.0	ND	95	69-133			
Tetrachloroethene	24.8	0.50	ug/l	25.0	1.62	93	70-130			
Toluene	21.5	0.50	ug/l	25.0	ND	86	70-130			
1,2,3-Trichlorobenzene	24.4	1.0	ug/l	25.0	ND	97	70-130			
1,2,4-Trichlorobenzene	24.5	1.0	ug/l	25.0	ND	98	66-126			
1,1,1-Trichloroethane	22.4	0.50	ug/l	25.0	ND	90	76-132			
1,1,2-Trichloroethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
Trichloroethene	23.0	0.50	ug/l	25.0	0.990	88	70-130			
Trichlorofluoromethane	26.5	0.50	ug/l	25.0	ND	106	74-150			
1,2,3-Trichloropropane	23.1	1.0	ug/l	25.0	ND	92	70-130			
1,2,4-Trimethylbenzene	23.5	0.50	ug/l	25.0	ND	94	70-130			
1,3,5-Trimethylbenzene	23.2	0.50	ug/l	25.0	ND	93	61-138			
Vinyl Acetate	36.6	1.0	ug/l	25.0	ND	146	50-150			
Vinyl chloride	23.7	0.50	ug/l	25.0	ND	95	58-139			
Xylenes, Total	45.6	1.0	ug/l	50.0	ND	91	70-130			
Freon 113	23.8	2.0	ug/l	25.0	ND	95	56-148			
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Matrix Spike Dup Analyzed: 03/14/2011 (11C0531-MSD1)					**Source: PUC0598-01**					
Acetone	15.4	10	ug/l	25.0	ND	61	10-150	28	35	
Benzene	22.4	0.50	ug/l	25.0	ND	89	70-130	4	20	
Bromobenzene	25.4	0.50	ug/l	25.0	ND	101	70-130	11	20	
Bromochloromethane	19.7	0.50	ug/l	25.0	ND	79	70-130	8	20	
Bromodichloromethane	21.1	0.50	ug/l	25.0	0.110	84	70-130	1	20	
Bromoform	22.9	1.0	ug/l	25.0	ND	92	62-126	2	20	
Bromomethane	18.5	1.0	ug/l	25.0	ND	74	55-136	8	24	
2-Butanone (MEK)	20.0	2.5	ug/l	25.0	ND	80	22-150	8	31	
n-Butylbenzene	26.5	0.50	ug/l	25.0	ND	106	70-130	12	20	
sec-Butylbenzene	26.1	0.50	ug/l	25.0	ND	104	70-130	12	20	
tert-Butylbenzene	25.3	0.50	ug/l	25.0	ND	101	70-130	8	20	
Carbon disulfide	23.1	0.50	ug/l	25.0	0.220	92	56-132	0.6	20	
Carbon tetrachloride	23.2	0.50	ug/l	25.0	ND	93	76-131	0.5	20	
Chlorobenzene	23.1	0.50	ug/l	25.0	ND	92	70-130	4	20	
Chloroethane	23.2	1.0	ug/l	25.0	ND	93	67-134	2	20	
Chloroform	22.6	0.50	ug/l	25.0	0.750	87	70-130	4	20	
Chloromethane	20.6	1.0	ug/l	25.0	ND	82	50-135	0.5	20	
2-Chlorotoluene	24.5	0.50	ug/l	25.0	ND	98	70-130	10	20	
4-Chlorotoluene	25.2	0.50	ug/l	25.0	ND	101	70-130	9	20	
Dibromochloromethane	21.6	0.50	ug/l	25.0	ND	86	70-130	4	20	
1,2-Dibromo-3-chloropropane	21.3	2.5	ug/l	25.0	ND	85	60-135	0.6	29	
1,2-Dibromoethane (EDB)	21.3	0.50	ug/l	25.0	ND	85	70-130	5	20	
Dibromomethane	21.3	0.50	ug/l	25.0	ND	85	70-130	5	20	
1,2-Dichlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	7	20	
1,3-Dichlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	9	20	
1,4-Dichlorobenzene	23.5	0.50	ug/l	25.0	ND	94	70-130	4	20	
Dichlorodifluoromethane	19.3	0.50	ug/l	25.0	ND	77	36-150	2	22	
1,1-Dichloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130	5	20	
1,2-Dichloroethane	21.1	0.50	ug/l	25.0	ND	85	68-143	0.6	20	
1,1-Dichloroethene	24.1	0.50	ug/l	25.0	ND	96	70-130	2	20	
cis-1,2-Dichloroethene	21.8	0.50	ug/l	25.0	0.120	87	70-130	3	20	
trans-1,2-Dichloroethene	22.6	0.50	ug/l	25.0	ND	91	70-130	0.09	20	
1,2-Dichloropropane	22.2	0.50	ug/l	25.0	ND	89	70-130	3	20	
1,3-Dichloropropane	21.2	0.50	ug/l	25.0	ND	85	70-130	5	20	
2,2-Dichloropropane	21.4	1.0	ug/l	25.0	ND	86	66-130	4	20	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Matrix Spike Dup Analyzed: 03/14/2011 (11C0531-MSD1)					**Source: PUC0598-01**					
1,1-Dichloropropene	23.5	0.50	ug/l	25.0	ND	94	70-130	2	20	
cis-1,3-Dichloropropene	22.0	0.50	ug/l	25.0	ND	88	70-130	0.8	20	
trans-1,3-Dichloropropene	22.6	0.50	ug/l	25.0	ND	90	71-132	3	20	
Ethylbenzene	23.1	0.50	ug/l	25.0	ND	92	70-130	4	20	
Hexachlorobutadiene	26.4	1.0	ug/l	25.0	ND	105	66-129	11	21	
2-Hexanone	21.7	2.5	ug/l	25.0	ND	87	18-150	7	25	
Iodomethane	20.7	2.5	ug/l	25.0	ND	83	47-141	12	29	
Isopropylbenzene	28.8	0.50	ug/l	25.0	ND	115	78-137	12	20	
p-Isopropyltoluene	25.6	0.50	ug/l	25.0	ND	102	70-130	8	20	
Methylene Chloride	21.0	1.0	ug/l	25.0	ND	84	74-132	0	20	
4-Methyl-2-pentanone (MIBK)	23.5	2.5	ug/l	25.0	ND	94	56-145	0.6	26	
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0	ND	80	67-138	8	21	
Naphthalene	24.9	2.5	ug/l	25.0	ND	100	54-135	6	33	
n-Propylbenzene	26.7	0.50	ug/l	25.0	ND	107	70-130	10	20	
Styrene	23.9	0.50	ug/l	25.0	ND	95	51-123	4	21	
1,1,1,2-Tetrachloroethane	21.2	0.50	ug/l	25.0	ND	85	70-130	2	20	
1,1,2,2-Tetrachloroethane	24.2	0.50	ug/l	25.0	ND	97	69-133	3	20	
Tetrachloroethene	24.9	0.50	ug/l	25.0	1.62	93	70-130	0.3	20	
Toluene	22.9	0.50	ug/l	25.0	ND	92	70-130	6	20	
1,2,3-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	70-130	0.5	20	
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0	ND	100	66-126	2	20	
1,1,1-Trichloroethane	22.8	0.50	ug/l	25.0	ND	91	76-132	1	20	
1,1,2-Trichloroethane	21.3	0.50	ug/l	25.0	ND	85	70-130	0.8	20	
Trichloroethene	23.2	0.50	ug/l	25.0	0.990	89	70-130	1	20	
Trichlorofluoromethane	26.3	0.50	ug/l	25.0	ND	105	74-150	0.5	20	
1,2,3-Trichloropropane	23.1	1.0	ug/l	25.0	ND	92	70-130	0.09	20	
1,2,4-Trimethylbenzene	26.0	0.50	ug/l	25.0	ND	104	70-130	10	20	
1,3,5-Trimethylbenzene	25.6	0.50	ug/l	25.0	ND	103	61-138	10	33	
Vinyl Acetate	32.2	1.0	ug/l	25.0	ND	129	50-150	13	23	
Vinyl chloride	24.5	0.50	ug/l	25.0	ND	98	58-139	4	21	
Xylenes, Total	47.9	1.0	ug/l	50.0	ND	96	70-130	5	20	
Freon 113	23.6	2.0	ug/l	25.0	ND	95	56-148	0.5	22	
Surrogate: Dibromofluoromethane	*23.3*		*ug/l*	*25.0*		*93*	*70-130*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/l*	*25.0*		*96*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0359 Extracted: 03/09/11										
Blank Analyzed: 03/11/2011 (11C0359-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*16.2*		*ug/l*	*20.0*		*81*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*30-130*			
LCS Analyzed: 03/11/2011 (11C0359-BS1)										**Q8**
1,4-Dioxane	18.0	1.0	ug/l	20.0		90	85-115			
Surrogate: 1,4-Dioxane-d8	*15.8*		*ug/l*	*20.0*		*79*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.1*		*ug/l*	*20.0*		*86*	*35-140*			
LCS Dup Analyzed: 03/11/2011 (11C0359-BSD1)										**Q8**
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115	14	20	
Surrogate: 1,4-Dioxane-d8	*14.0*		*ug/l*	*20.0*		*70*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.0*		*ug/l*	*20.0*		*80*	*35-140*			

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West	Project ID: OU3 0096498.009	
7272 E. Indian School Rd. Ste 100		Sampled: 03/08/11
Scottsdale, AZ 85251	Report Number: PUC0525	Received: 03/08/11
Attention: Jason Hilker		

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0525

Sampled: 03/08/11
Received: 03/08/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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PUC0525

Environmental Resources Management

CHAIN OF CUSTODY RECORD

NO: 2494

7272 E. Indian School Road, Suite 100 • Scottsdale, AZ • 85251 • (480) 998-2401 • FAX (480) 998-2106

PROJECT #	PROJECT NAME
0096498.009	OU3

SAMPLER: (PRINT NAME)	(SIGNATURE)
Adam Nagle	[signature]

RECEIVING LABORATORY: Test America

SAMPLE I.D.	DATE	TIME	COMP	GRAB	SAMPLING METHOD	PRESERVATIVE	ICE (Y/N)	SAMPLING VOLUME	# OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	MATRIX: GAS	VOC (8260B)	1,4-Dioxane Only (8270C)	~~MS/MSD~~							
OU3-11M2-M2-030811	3/8/11	0858		X	Pump	HCl / -	Y	40mL / 1L	3 / 2		X		X	X							-	01
OU3-11M-M-030811		1010		↓	↓	↓	↓	↓	↓		↓		↓	↓							-	02
OU3-11S-S-030811		1122																			-	03
BE-MW-8-S-030811		1221																			-	04
BE-MW-8-S-030811-RA		1222																			-	05
OU3-4S-S-030811		1407																			-	06
EW-21-S-030811		1500																			-	07
EW-21-S-030811-Q1		1500																			-	08
EW-21-S-030811-EB		1501																			-	09
GW-L1-1-030811													X		Trip Blank						-	10

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
[signature] / ERM	3/8	1713			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
			[signature]	3/8/11	1713

FIELD REMARKS: *run GW-L1-2-030811 for VOCs as trip blank in second cooler

2.4°C / 2.1°C

REMARKS ON SAMPLE RECEIPT

- [x] BOTTLE INTACT
- [ ] CUSTODY SEALS
- [x] CHILLED
- [ ] PRESERVED
- [ ] SEALS INTACT
- [ ] SEE REMARKS

ERM REMARKS

SEND REPORT TO: jason.wilker@erm.com

WHITE – LABORATORY COPY CANARY – FIELD COPY PINK – DATABASE GOLD – PROJECT FILE

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.009

Sampled: 03/15/11
Received: 03/15/11
Issued: 03/23/11 15:14

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC1004-01	EW-19S-S-031511	Water

SAMPLE RECEIPT: Samples were received intact, at 1°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1 - Due to matrix interference the Internal Standard 1,4-Dichlorobenzene-d4 failed lower than method criteria. The surrogates Nitrobenzene-d5 and 1,4-Dioxane-d8 are calculated using this IS. The surrogate recoveries are estimated values due to the IS failure, causing the surrogates to recover higher than laboratory limits.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1004-01 (EW-19S-S-031511 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**0.69**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	**1.8**	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	**3.1**	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	**2.3**	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1004-01 (EW-19S-S-031511 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	**2.2**	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	**7.8**	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*95 %*				
Surrogate: Toluene-d8 (70-130%)				*89 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*87 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1004-01 (EW-19S-S-031511 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	**1.4**	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*73 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*83 %*				

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
Acetone	ND	10	ug/l							*V1*
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.0*		*ug/l*	*25.0*		*88*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
Acetone	30.6	10	ug/l	25.0		122	30-150			*V1*
Benzene	20.1	0.50	ug/l	25.0		81	70-130			
Bromobenzene	21.1	0.50	ug/l	25.0		85	70-130			
Bromochloromethane	20.9	0.50	ug/l	25.0		84	70-130			
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130			
Bromoform	22.1	1.0	ug/l	25.0		89	67-122			
Bromomethane	20.8	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0		103	48-150			
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130			
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
tert-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
Carbon disulfide	29.0	0.50	ug/l	25.0		116	61-126			
Carbon tetrachloride	21.4	0.50	ug/l	25.0		86	70-130			
Chlorobenzene	20.7	0.50	ug/l	25.0		83	70-130			
Chloroethane	21.3	1.0	ug/l	25.0		85	69-128			
Chloroform	20.2	0.50	ug/l	25.0		81	70-130			
Chloromethane	17.5	1.0	ug/l	25.0		70	56-131			
2-Chlorotoluene	20.4	0.50	ug/l	25.0		82	70-130			
4-Chlorotoluene	21.3	0.50	ug/l	25.0		85	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	21.4	2.5	ug/l	25.0		86	63-129			
1,2-Dibromoethane (EDB)	21.3	0.50	ug/l	25.0		85	70-130			
Dibromomethane	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichlorobenzene	20.8	0.50	ug/l	25.0		83	70-130			
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0		84	70-130			
1,4-Dichlorobenzene	20.9	0.50	ug/l	25.0		83	70-130			
Dichlorodifluoromethane	20.6	0.50	ug/l	25.0		82	42-150			
1,1-Dichloroethane	20.6	0.50	ug/l	25.0		82	70-130			
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133			
1,1-Dichloroethene	25.7	0.50	ug/l	25.0		103	70-130			
cis-1,2-Dichloroethene	19.9	0.50	ug/l	25.0		79	70-130			
trans-1,2-Dichloroethene	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichloropropane	20.7	0.50	ug/l	25.0		83	70-130			
1,3-Dichloropropane	20.9	0.50	ug/l	25.0		84	70-130			
2,2-Dichloropropane	21.0	1.0	ug/l	25.0		84	70-130			

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
1,1-Dichloropropene	21.0	0.50	ug/l	25.0		84	70-130			
cis-1,3-Dichloropropene	21.4	0.50	ug/l	25.0		86	70-130			
trans-1,3-Dichloropropene	22.4	0.50	ug/l	25.0		89	70-130			
Ethylbenzene	20.7	0.50	ug/l	25.0		83	70-130			
Hexachlorobutadiene	22.0	1.0	ug/l	25.0		88	70-130			
2-Hexanone	24.6	2.5	ug/l	25.0		98	44-150			
Iodomethane	38.3	2.5	ug/l	25.0		153	58-138			*L3*
Isopropylbenzene	22.9	0.50	ug/l	25.0		92	70-130			
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130			
Methylene Chloride	24.7	1.0	ug/l	25.0		99	70-130			
4-Methyl-2-pentanone (MIBK)	23.5	2.5	ug/l	25.0		94	61-142			
Methyl-tert-butyl Ether (MTBE)	20.0	0.50	ug/l	25.0		80	70-130			
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129			
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130			
Styrene	21.6	0.50	ug/l	25.0		86	70-130			
1,1,1,2-Tetrachloroethane	20.8	0.50	ug/l	25.0		83	70-130			
1,1,2,2-Tetrachloroethane	21.4	0.50	ug/l	25.0		86	70-130			
Tetrachloroethene	20.8	0.50	ug/l	25.0		83	70-130			
Toluene	20.2	0.50	ug/l	25.0		81	70-130			
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,2,4-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,1,1-Trichloroethane	20.9	0.50	ug/l	25.0		84	70-130			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
Trichloroethene	20.7	0.50	ug/l	25.0		83	70-130			
Trichlorofluoromethane	23.8	0.50	ug/l	25.0		95	78-149			
1,2,3-Trichloropropane	21.8	1.0	ug/l	25.0		87	70-130			
1,2,4-Trimethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
1,3,5-Trimethylbenzene	21.4	0.50	ug/l	25.0		86	70-130			
Vinyl Acetate	26.4	1.0	ug/l	25.0		105	57-149			
Vinyl chloride	21.0	0.50	ug/l	25.0		84	66-134			
Xylenes, Total	41.1	1.0	ug/l	50.0		82	70-130			
Freon 113	24.5	2.0	ug/l	25.0		98	63-136			
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

TestAmerica Phoenix

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
Acetone	28.4	10	ug/l	25.0		113	30-150	7	35	*V1*
Benzene	20.0	0.50	ug/l	25.0		80	70-130	0.7	20	
Bromobenzene	22.0	0.50	ug/l	25.0		88	70-130	4	20	
Bromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	0.5	20	
Bromodichloromethane	21.0	0.50	ug/l	25.0		84	70-130	0.9	20	
Bromoform	23.0	1.0	ug/l	25.0		92	67-122	4	20	
Bromomethane	18.3	1.0	ug/l	25.0		73	64-132	13	20	
2-Butanone (MEK)	23.3	2.5	ug/l	25.0		93	48-150	9	33	
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130	0.3	20	
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130	0.1	20	
tert-Butylbenzene	21.3	0.50	ug/l	25.0		85	70-130	1	20	
Carbon disulfide	23.5	0.50	ug/l	25.0		94	61-126	21	20	*R6*
Carbon tetrachloride	21.2	0.50	ug/l	25.0		85	70-130	1	20	
Chlorobenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Chloroethane	19.9	1.0	ug/l	25.0		79	69-128	7	20	
Chloroform	19.6	0.50	ug/l	25.0		78	70-130	3	20	
Chloromethane	16.5	1.0	ug/l	25.0		66	56-131	6	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0		82	70-130	0.8	20	
4-Chlorotoluene	21.4	0.50	ug/l	25.0		86	70-130	0.5	20	
Dibromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	4	20	
1,2-Dibromo-3-chloropropane	22.4	2.5	ug/l	25.0		90	63-129	4	25	
1,2-Dibromoethane (EDB)	20.8	0.50	ug/l	25.0		83	70-130	2	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	3	20	
1,2-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	2	20	
1,3-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	1	20	
1,4-Dichlorobenzene	21.4	0.50	ug/l	25.0		85	70-130	2	20	
Dichlorodifluoromethane	19.2	0.50	ug/l	25.0		77	42-150	7	20	
1,1-Dichloroethane	20.0	0.50	ug/l	25.0		80	70-130	3	20	
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133	3	20	
1,1-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130	25	20	*R6*
cis-1,2-Dichloroethene	19.5	0.50	ug/l	25.0		78	70-130	2	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0		81	70-130	4	20	
1,2-Dichloropropane	21.0	0.50	ug/l	25.0		84	70-130	1	20	
1,3-Dichloropropane	20.8	0.50	ug/l	25.0		83	70-130	0.2	20	
2,2-Dichloropropane	20.3	1.0	ug/l	25.0		81	70-130	3	20	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
1,1-Dichloropropene	20.9	0.50	ug/l	25.0		84	70-130	0.5	20	
cis-1,3-Dichloropropene	21.2	0.50	ug/l	25.0		85	70-130	0.9	20	
trans-1,3-Dichloropropene	21.7	0.50	ug/l	25.0		87	70-130	3	20	
Ethylbenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Hexachlorobutadiene	22.4	1.0	ug/l	25.0		90	70-130	2	20	
2-Hexanone	23.2	2.5	ug/l	25.0		93	44-150	6	31	
Iodomethane	24.8	2.5	ug/l	25.0		99	58-138	43	25	*R1*
Isopropylbenzene	23.3	0.50	ug/l	25.0		93	70-130	2	20	
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130	0.05	20	
Methylene Chloride	19.9	1.0	ug/l	25.0		80	70-130	22	20	*R6*
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0		94	61-142	0.4	22	
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0		80	70-130	0.3	20	
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129	0.1	20	
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Styrene	21.4	0.50	ug/l	25.0		86	70-130	0.9	20	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0		82	70-130	2	20	
1,1,2,2-Tetrachloroethane	21.9	0.50	ug/l	25.0		88	70-130	2	20	
Tetrachloroethene	20.3	0.50	ug/l	25.0		81	70-130	2	20	
Toluene	20.1	0.50	ug/l	25.0		80	70-130	0.8	20	
1,2,3-Trichlorobenzene	23.3	1.0	ug/l	25.0		93	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0		97	70-130	2	20	
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0		83	70-130	1	20	
1,1,2-Trichloroethane	20.6	0.50	ug/l	25.0		82	70-130	3	20	
Trichloroethene	20.2	0.50	ug/l	25.0		81	70-130	3	20	
Trichlorofluoromethane	22.6	0.50	ug/l	25.0		90	78-149	5	20	
1,2,3-Trichloropropane	22.6	1.0	ug/l	25.0		90	70-130	4	20	
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0		87	70-130	1	20	
1,3,5-Trimethylbenzene	21.5	0.50	ug/l	25.0		86	70-130	0.3	20	
Vinyl Acetate	26.1	1.0	ug/l	25.0		104	57-149	1	21	
Vinyl chloride	19.3	0.50	ug/l	25.0		77	66-134	9	20	
Xylenes, Total	39.6	1.0	ug/l	50.0		79	70-130	3	20	
Freon 113	19.3	2.0	ug/l	25.0		77	63-136	24	20	*R6*
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
Acetone	27.2	10	ug/l	25.0	ND	109	10-150			*V1*
Benzene	19.8	0.50	ug/l	25.0	ND	79	70-130			
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Bromochloromethane	20.5	0.50	ug/l	25.0	ND	82	70-130			
Bromodichloromethane	20.6	0.50	ug/l	25.0	ND	83	70-130			
Bromoform	22.7	1.0	ug/l	25.0	ND	91	62-126			
Bromomethane	18.1	1.0	ug/l	25.0	ND	72	55-136			
2-Butanone (MEK)	23.7	2.5	ug/l	25.0	ND	95	22-150			
n-Butylbenzene	22.2	0.50	ug/l	25.0	ND	89	70-130			
sec-Butylbenzene	21.2	0.50	ug/l	25.0	ND	85	70-130			
tert-Butylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130			
Carbon disulfide	23.5	0.50	ug/l	25.0	ND	94	56-132			
Carbon tetrachloride	21.5	0.50	ug/l	25.0	ND	86	76-131			
Chlorobenzene	20.6	0.50	ug/l	25.0	ND	82	70-130			
Chloroethane	20.1	1.0	ug/l	25.0	ND	80	67-134			
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130			
Chloromethane	17.4	1.0	ug/l	25.0	ND	70	50-135			
2-Chlorotoluene	20.7	0.50	ug/l	25.0	ND	83	70-130			
4-Chlorotoluene	21.9	0.50	ug/l	25.0	ND	88	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dibromo-3-chloropropane	21.6	2.5	ug/l	25.0	ND	86	60-135			
1,2-Dibromoethane (EDB)	21.1	0.50	ug/l	25.0	ND	84	70-130			
Dibromomethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
1,2-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,3-Dichlorobenzene	21.3	0.50	ug/l	25.0	ND	85	70-130			
1,4-Dichlorobenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150			
1,1-Dichloroethane	21.6	0.50	ug/l	25.0	1.90	79	70-130			
1,2-Dichloroethane	20.4	0.50	ug/l	25.0	ND	81	68-143			
1,1-Dichloroethene	22.4	0.50	ug/l	25.0	2.71	79	70-130			
cis-1,2-Dichloroethene	21.4	0.50	ug/l	25.0	1.96	78	70-130			
trans-1,2-Dichloroethene	20.2	0.50	ug/l	25.0	ND	81	70-130			
1,2-Dichloropropane	21.2	0.50	ug/l	25.0	ND	85	70-130			
1,3-Dichloropropane	20.6	0.50	ug/l	25.0	ND	83	70-130			
2,2-Dichloropropane	19.9	1.0	ug/l	25.0	ND	79	66-130			

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Sampled: 03/15/11
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
1,1-Dichloropropene	21.2	0.50	ug/l	25.0	ND	85	70-130			
cis-1,3-Dichloropropene	20.9	0.50	ug/l	25.0	ND	83	70-130			
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132			
Ethylbenzene	20.6	0.50	ug/l	25.0	ND	83	70-130			
Hexachlorobutadiene	23.0	1.0	ug/l	25.0	ND	92	66-129			
2-Hexanone	24.2	2.5	ug/l	25.0	ND	97	18-150			
Iodomethane	24.2	2.5	ug/l	25.0	ND	97	47-141			
Isopropylbenzene	23.2	0.50	ug/l	25.0	ND	93	78-137			
p-Isopropyltoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
Methylene Chloride	19.8	1.0	ug/l	25.0	ND	79	74-132			
4-Methyl-2-pentanone (MIBK)	23.1	2.5	ug/l	25.0	ND	92	56-145			
Methyl-tert-butyl Ether (MTBE)	19.9	0.50	ug/l	25.0	0.140	79	67-138			
Naphthalene	22.8	2.5	ug/l	25.0	ND	91	54-135			
n-Propylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Styrene	19.9	0.50	ug/l	25.0	ND	80	51-123			
1,1,1,2-Tetrachloroethane	20.9	0.50	ug/l	25.0	ND	84	70-130			
1,1,2,2-Tetrachloroethane	22.1	0.50	ug/l	25.0	ND	88	69-133			
Tetrachloroethene	21.2	0.50	ug/l	25.0	0.430	83	70-130			
Toluene	20.1	0.50	ug/l	25.0	ND	80	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	70-130			
1,2,4-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	66-126			
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0	ND	83	76-132			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0	ND	85	70-130			
Trichloroethene	28.0	0.50	ug/l	25.0	7.93	80	70-130			
Trichlorofluoromethane	23.9	0.50	ug/l	25.0	0.130	95	74-150			
1,2,3-Trichloropropane	22.1	1.0	ug/l	25.0	ND	88	70-130			
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3,5-Trimethylbenzene	21.8	0.50	ug/l	25.0	ND	87	61-138			
Vinyl Acetate	24.4	1.0	ug/l	25.0	ND	98	50-150			
Vinyl chloride	19.0	0.50	ug/l	25.0	ND	76	58-139			
Xylenes, Total	40.7	1.0	ug/l	50.0	ND	81	70-130			
Freon 113	19.4	2.0	ug/l	25.0	ND	78	56-148			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*94*	*70-130*			
Surrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
Acetone	25.0	10	ug/l	25.0	ND	100	10-150	8	35	*V1*
Benzene	19.9	0.50	ug/l	25.0	ND	80	70-130	0.4	20	
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	0.05	20	
Bromochloromethane	20.9	0.50	ug/l	25.0	ND	83	70-130	2	20	
Bromodichloromethane	20.8	0.50	ug/l	25.0	ND	83	70-130	0.8	20	
Bromoform	22.4	1.0	ug/l	25.0	ND	89	62-126	2	20	
Bromomethane	18.4	1.0	ug/l	25.0	ND	73	55-136	1	24	
2-Butanone (MEK)	23.1	2.5	ug/l	25.0	ND	92	22-150	2	31	
n-Butylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	1	20	
sec-Butylbenzene	21.1	0.50	ug/l	25.0	ND	84	70-130	0.6	20	
tert-Butylbenzene	21.0	0.50	ug/l	25.0	ND	84	70-130	2	20	
Carbon disulfide	23.0	0.50	ug/l	25.0	ND	92	56-132	2	20	
Carbon tetrachloride	21.0	0.50	ug/l	25.0	ND	84	76-131	2	20	
Chlorobenzene	20.4	0.50	ug/l	25.0	ND	82	70-130	0.9	20	
Chloroethane	19.9	1.0	ug/l	25.0	ND	80	67-134	0.7	20	
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130	0.05	20	
Chloromethane	18.1	1.0	ug/l	25.0	ND	72	50-135	4	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0	ND	83	70-130	0.3	20	
4-Chlorotoluene	21.6	0.50	ug/l	25.0	ND	86	70-130	1	20	
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130	0.09	20	
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0	ND	91	60-135	6	29	
1,2-Dibromoethane (EDB)	22.0	0.50	ug/l	25.0	ND	88	70-130	4	20	
Dibromomethane	21.4	0.50	ug/l	25.0	ND	86	70-130	0.5	20	
1,2-Dichlorobenzene	21.4	0.50	ug/l	25.0	ND	85	70-130	1	20	
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0	ND	84	70-130	2	20	
1,4-Dichlorobenzene	21.2	0.50	ug/l	25.0	ND	85	70-130	3	20	
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150	0.05	22	
1,1-Dichloroethane	21.7	0.50	ug/l	25.0	1.90	79	70-130	0.6	20	
1,2-Dichloroethane	20.3	0.50	ug/l	25.0	ND	81	68-143	0.2	20	
1,1-Dichloroethene	22.3	0.50	ug/l	25.0	2.71	78	70-130	0.7	20	
cis-1,2-Dichloroethene	21.1	0.50	ug/l	25.0	1.96	77	70-130	1	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0	ND	81	70-130	0.2	20	
1,2-Dichloropropane	20.8	0.50	ug/l	25.0	ND	83	70-130	2	20	
1,3-Dichloropropane	21.1	0.50	ug/l	25.0	ND	84	70-130	2	20	
2,2-Dichloropropane	19.5	1.0	ug/l	25.0	ND	78	66-130	2	20	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
1,1-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	3	20	
cis-1,3-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	1	20	
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132	0.2	20	
Ethylbenzene	20.5	0.50	ug/l	25.0	ND	82	70-130	0.7	20	
Hexachlorobutadiene	21.9	1.0	ug/l	25.0	ND	88	66-129	5	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	24.5	2.5	ug/l	25.0	ND	98	47-141	0.9	29	
Isopropylbenzene	23.1	0.50	ug/l	25.0	ND	92	78-137	0.3	20	
p-Isopropyltoluene	21.8	0.50	ug/l	25.0	ND	87	70-130	2	20	
Methylene Chloride	20.2	1.0	ug/l	25.0	ND	81	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	22.9	2.5	ug/l	25.0	ND	92	56-145	0.9	26	
Methyl-tert-butyl Ether (MTBE)	20.3	0.50	ug/l	25.0	0.140	81	67-138	2	21	
Naphthalene	24.5	2.5	ug/l	25.0	ND	98	54-135	7	33	
n-Propylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	0.3	20	
Styrene	19.7	0.50	ug/l	25.0	ND	79	51-123	1	21	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0	ND	82	70-130	2	20	
1,1,2,2-Tetrachloroethane	22.5	0.50	ug/l	25.0	ND	90	69-133	2	20	
Tetrachloroethene	21.1	0.50	ug/l	25.0	0.430	83	70-130	0.5	20	
Toluene	20.1	0.50	ug/l	25.0	ND	81	70-130	0.3	20	
1,2,3-Trichlorobenzene	24.0	1.0	ug/l	25.0	ND	96	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	66-126	3	20	
1,1,1-Trichloroethane	20.4	0.50	ug/l	25.0	ND	82	76-132	1	20	
1,1,2-Trichloroethane	21.3	0.50	ug/l	25.0	ND	85	70-130	0.3	20	
Trichloroethene	28.2	0.50	ug/l	25.0	7.93	81	70-130	0.4	20	
Trichlorofluoromethane	23.6	0.50	ug/l	25.0	0.130	94	74-150	1	20	
1,2,3-Trichloropropane	22.5	1.0	ug/l	25.0	ND	90	70-130	2	20	
1,2,4-Trimethylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130	0.7	20	
1,3,5-Trimethylbenzene	21.2	0.50	ug/l	25.0	ND	85	61-138	3	33	
Vinyl Acetate	24.1	1.0	ug/l	25.0	ND	96	50-150	1	23	
Vinyl chloride	19.2	0.50	ug/l	25.0	ND	77	58-139	1	21	
Xylenes, Total	40.4	1.0	ug/l	50.0	ND	81	70-130	0.9	20	
Freon 113	19.2	2.0	ug/l	25.0	ND	77	56-148	1	22	
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0614 Extracted: 03/16/11										
Blank Analyzed: 03/18/2011 (11C0614-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.2*		*ug/l*	*20.0*		*81*	*30-130*			
LCS Analyzed: 03/18/2011 (11C0614-BS1)										
1,4-Dioxane	20.9	1.0	ug/l	20.0		105	85-115			
Surrogate: 1,4-Dioxane-d8	*14.7*		*ug/l*	*20.0*		*74*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.6*		*ug/l*	*20.0*		*83*	*35-140*			
LCS Dup Analyzed: 03/18/2011 (11C0614-BSD1)										
1,4-Dioxane	20.9	1.0	ug/l	20.0		105	85-115	0.05	20	
Surrogate: 1,4-Dioxane-d8	*15.3*		*ug/l*	*20.0*		*76*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*35-140*			
Matrix Spike Analyzed: 03/18/2011 (11C0614-MS1)					**Source: PUC0982-02**					
1,4-Dioxane	22.6	1.0	ug/l	20.0	1.54	105	70-125			
Surrogate: 1,4-Dioxane-d8	*15.2*		*ug/l*	*20.0*		*76*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.7*		*ug/l*	*20.0*		*84*	*30-130*			
Matrix Spike Analyzed: 03/18/2011 (11C0614-MS2)					**Source: PUC0911-02**					
1,4-Dioxane	21.3	1.0	ug/l	20.0	0.380	104	70-125			
Surrogate: 1,4-Dioxane-d8	*27.1*		*ug/l*	*20.0*		*135*	*20-105*			*N1, S4*
Surrogate: Nitrobenzene-d5	*33.6*		*ug/l*	*20.0*		*168*	*30-130*			*N1, S4*
Matrix Spike Dup Analyzed: 03/18/2011 (11C0614-MSD1)					**Source: PUC0982-02**					
1,4-Dioxane	22.2	1.0	ug/l	20.0	1.54	104	70-125	1	20	
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.3*		*ug/l*	*20.0*		*87*	*30-130*			

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0614 Extracted: 03/16/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0614-MSD2)					**Source: PUC0911-02**					
1,4-Dioxane	21.5	1.0	ug/l	20.0	0.380	106	70-125	1	20	
Surrogate: 1,4-Dioxane-d8	*14.0*		*ug/l*	*20.0*		*70*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.9*		*ug/l*	*20.0*		*84*	*30-130*			

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7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
S4	Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1004

Sampled: 03/15/11
Received: 03/15/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[ ] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

Client Name/Address: ERM
7272 E. Indian School Rd.
Scottsdale AZ 85251

Project/PO Number: 0096498.009

Project Manager: Jason Hilker
Send Report to: Jason.Hilker@ERM.com

Phone Number: 480-998-2401

Sampler: Adam Nagle

Fax Number: 480-998-2106

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane only (8270C)								Special Instructions
EW-195-S-031511	W	40mL / 1L	3 / 2	3/15/11	1400	HCl / -	X	X			PUCI004-01					LEVEL 3

Relinquished By:	Date/Time:	Received By:	Date/Time:
ERM / ERM	3/15 1420		
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time: 3/15/11 1420

Turnaround Time: (Check)
same day ____ 72 hours ____
24 hours ____ 5 days ____
48 hours ____ normal ✓

Sample Integrity: (Check)
intact ✓ on ice ✓ 0.8°C

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.009

Sampled: 03/15/11
Received: 03/15/11
Issued: 03/24/11 06:55

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC0982-01	EW0U3-10S-R-S-031511	Water
PUC0982-02	0U3-10M-M-031511	Water
PUC0982-03	0U3-10M2-M-031511	Water
PUC0982-04	GW-EB6-031511	Water
PUC0982-05	GW-L1-7-031511	Water

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

SAMPLE RECEIPT: Samples were received intact, at 1°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1-The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
N1a- Due to matrix interference the Internal Standard 1,4-Dichlorobenzene-d4 failed lower than method criteria. The surrogates Nitrobenzene-d5 and 1,4-Dioxane-d8 are calculated using this IS. The surrogate recoveries are estimated values due to the IS failure, causing the surrogates to recover higher than laboratory limits.
R1-The RPD exceeded the acceptance limit.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

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7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0982-01 (EW0U3-10S-R-S-031511 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**1.9**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	**2.2**	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	**2.1**	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	**2.8**	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0982-01 (EW0U3-10S-R-S-031511 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	**0.83**	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	**14**	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*94 %*				
Surrogate: Toluene-d8 (70-130%)				*90 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*86 %*				

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0982-02 (0U3-10M-M-031511 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**1.4**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	**1.9**	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	**2.7**	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	**2.0**	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0982-02 (0U3-10M-M-031511 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	**7.9**	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*93 %*				
Surrogate: Toluene-d8 (70-130%)				*90 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*85 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0982-03 (0U3-10M2-M-031511 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**0.88**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	**6.1**	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	**11**	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	**7.5**	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0982-03 (0U3-10M2-M-031511 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	**1.5**	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	**35**	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*92 %*				
Surrogate: Toluene-d8 (70-130%)				*89 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*89 %*				

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0982-04 (GW-EB6-031511 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	**3.3**	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**5.2**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	**1.1**	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0982-04 (GW-EB6-031511 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*92 %*				
Surrogate: Toluene-d8 (70-130%)				*91 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*89 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0982-05 (GW-L1-7-031511 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0694	10	ND	1	3/18/2011	3/18/2011	
Benzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromodichloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromoform	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Bromomethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Butanone (MEK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
sec-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
tert-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon disulfide	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon tetrachloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloroethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Chloroform	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloromethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
4-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromomethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dichlorodifluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
2,2-Dichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Ethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Hexachlorobutadiene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0982-05 (GW-L1-7-031511 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Iodomethane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Isopropylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
p-Isopropyltoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Methylene Chloride	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Naphthalene	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Propylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Styrene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Tetrachloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Toluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichlorofluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Vinyl Acetate	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Vinyl chloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Xylenes, Total	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Freon 113	EPA 8260B	11C0694	2.0	ND	1	3/18/2011	3/18/2011	
Surrogate: Dibromofluoromethane (70-130%)				*90 %*				
Surrogate: Toluene-d8 (70-130%)				*86 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*84 %*				

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0982-01 (EW0U3-10S-R-S-031511 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	**1.3**	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*70 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*81 %*				
Sample ID: PUC0982-02 (0U3-10M-M-031511 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	**1.5**	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*77 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*86 %*				
Sample ID: PUC0982-03 (0U3-10M2-M-031511 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	**3.8**	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*73 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*82 %*				
Sample ID: PUC0982-04 (GW-EB6-031511 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	ND	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*65 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*83 %*				

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Kylie Emily
Project Manager

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*21.4*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*20.6*		*ug/l*	*25.0*		*83*	*70-130*			

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Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
Acetone	29.0	10	ug/l	25.0		116	30-150			
Benzene	20.5	0.50	ug/l	25.0		82	70-130			
Bromobenzene	23.0	0.50	ug/l	25.0		92	70-130			
Bromochloromethane	20.7	0.50	ug/l	25.0		83	70-130			
Bromodichloromethane	21.9	0.50	ug/l	25.0		88	70-130			
Bromoform	22.6	1.0	ug/l	25.0		91	67-122			
Bromomethane	20.6	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	24.1	2.5	ug/l	25.0		97	48-150			
n-Butylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
sec-Butylbenzene	22.4	0.50	ug/l	25.0		90	70-130			
tert-Butylbenzene	22.5	0.50	ug/l	25.0		90	70-130			
Carbon disulfide	24.2	0.50	ug/l	25.0		97	61-126			
Carbon tetrachloride	22.1	0.50	ug/l	25.0		88	70-130			
Chlorobenzene	21.6	0.50	ug/l	25.0		87	70-130			
Chloroethane	21.2	1.0	ug/l	25.0		85	69-128			
Chloroform	19.9	0.50	ug/l	25.0		80	70-130			
Chloromethane	22.1	1.0	ug/l	25.0		88	56-131			
2-Chlorotoluene	21.8	0.50	ug/l	25.0		87	70-130			
4-Chlorotoluene	22.9	0.50	ug/l	25.0		92	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	23.7	2.5	ug/l	25.0		95	63-129			
1,2-Dibromoethane (EDB)	22.1	0.50	ug/l	25.0		88	70-130			
Dibromomethane	21.2	0.50	ug/l	25.0		85	70-130			
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130			
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
1,4-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
Dichlorodifluoromethane	21.2	0.50	ug/l	25.0		85	42-150			
1,1-Dichloroethane	20.2	0.50	ug/l	25.0		81	70-130			
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133			
1,1-Dichloroethene	20.5	0.50	ug/l	25.0		82	70-130			
cis-1,2-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130			
trans-1,2-Dichloroethene	20.8	0.50	ug/l	25.0		83	70-130			
1,2-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
1,3-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
2,2-Dichloropropane	21.3	1.0	ug/l	25.0		85	70-130			

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Project Manager

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
1,1-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
trans-1,3-Dichloropropene	22.8	0.50	ug/l	25.0		91	70-130			
Ethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
Hexachlorobutadiene	23.6	1.0	ug/l	25.0		95	70-130			
2-Hexanone	25.9	2.5	ug/l	25.0		104	44-150			
Iodomethane	24.7	2.5	ug/l	25.0		99	58-138			
Isopropylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
p-Isopropyltoluene	22.9	0.50	ug/l	25.0		92	70-130			
Methylene Chloride	20.4	1.0	ug/l	25.0		82	70-130			
4-Methyl-2-pentanone (MIBK)	23.7	2.5	ug/l	25.0		95	61-142			
Methyl-tert-butyl Ether (MTBE)	19.4	0.50	ug/l	25.0		77	70-130			
Naphthalene	23.1	2.5	ug/l	25.0		93	65-129			
n-Propylbenzene	23.4	0.50	ug/l	25.0		94	70-130			
Styrene	22.7	0.50	ug/l	25.0		91	70-130			
1,1,1,2-Tetrachloroethane	21.8	0.50	ug/l	25.0		87	70-130			
1,1,2,2-Tetrachloroethane	22.8	0.50	ug/l	25.0		91	70-130			
Tetrachloroethene	21.7	0.50	ug/l	25.0		87	70-130			
Toluene	21.6	0.50	ug/l	25.0		86	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0		94	70-130			
1,2,4-Trichlorobenzene	24.1	1.0	ug/l	25.0		96	70-130			
1,1,1-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
1,1,2-Trichloroethane	21.5	0.50	ug/l	25.0		86	70-130			
Trichloroethene	21.3	0.50	ug/l	25.0		85	70-130			
Trichlorofluoromethane	19.5	0.50	ug/l	25.0		78	78-149			
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0		96	70-130			
1,2,4-Trimethylbenzene	23.3	0.50	ug/l	25.0		93	70-130			
1,3,5-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
Vinyl Acetate	25.6	1.0	ug/l	25.0		102	57-149			
Vinyl chloride	22.2	0.50	ug/l	25.0		89	66-134			
Xylenes, Total	43.0	1.0	ug/l	50.0		86	70-130			
Freon 113	20.3	2.0	ug/l	25.0		81	63-136			
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.9*		*ug/l*	*25.0*		*88*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.2*		*ug/l*	*25.0*		*85*	*70-130*			

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
Acetone	30.9	10	ug/l	25.0		124	30-150	6	35	
Benzene	21.1	0.50	ug/l	25.0		85	70-130	3	20	
Bromobenzene	22.8	0.50	ug/l	25.0		91	70-130	1	20	
Bromochloromethane	21.3	0.50	ug/l	25.0		85	70-130	3	20	
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130	3	20	
Bromoform	22.1	1.0	ug/l	25.0		88	67-122	2	20	
Bromomethane	22.2	1.0	ug/l	25.0		89	64-132	7	20	
2-Butanone (MEK)	24.4	2.5	ug/l	25.0		98	48-150	1	33	
n-Butylbenzene	23.3	0.50	ug/l	25.0		93	70-130	0.3	20	
sec-Butylbenzene	22.7	0.50	ug/l	25.0		91	70-130	1	20	
tert-Butylbenzene	22.4	0.50	ug/l	25.0		89	70-130	0.7	20	
Carbon disulfide	24.9	0.50	ug/l	25.0		99	61-126	3	20	
Carbon tetrachloride	22.7	0.50	ug/l	25.0		91	70-130	3	20	
Chlorobenzene	21.7	0.50	ug/l	25.0		87	70-130	0.2	20	
Chloroethane	22.3	1.0	ug/l	25.0		89	69-128	5	20	
Chloroform	20.8	0.50	ug/l	25.0		83	70-130	4	20	
Chloromethane	23.2	1.0	ug/l	25.0		93	56-131	5	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0		88	70-130	0.7	20	
4-Chlorotoluene	22.6	0.50	ug/l	25.0		90	70-130	1	20	
Dibromochloromethane	21.9	0.50	ug/l	25.0		88	70-130	1	20	
1,2-Dibromo-3-chloropropane	22.3	2.5	ug/l	25.0		89	63-129	6	25	
1,2-Dibromoethane (EDB)	21.9	0.50	ug/l	25.0		88	70-130	0.6	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	2	20	
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130	0	20	
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130	0	20	
1,4-Dichlorobenzene	22.1	0.50	ug/l	25.0		88	70-130	0.8	20	
Dichlorodifluoromethane	21.8	0.50	ug/l	25.0		87	42-150	3	20	
1,1-Dichloroethane	21.5	0.50	ug/l	25.0		86	70-130	6	20	
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133	3	20	
1,1-Dichloroethene	21.8	0.50	ug/l	25.0		87	70-130	6	20	
cis-1,2-Dichloroethene	20.1	0.50	ug/l	25.0		80	70-130	0.4	20	
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130	5	20	
1,2-Dichloropropane	21.6	0.50	ug/l	25.0		86	70-130	1	20	
1,3-Dichloropropane	21.2	0.50	ug/l	25.0		85	70-130	0.4	20	
2,2-Dichloropropane	21.5	1.0	ug/l	25.0		86	70-130	1	20	

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
1,1-Dichloropropene	22.1	0.50	ug/l	25.0		88	70-130	2	20	
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130	0	20	
trans-1,3-Dichloropropene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
Ethylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Hexachlorobutadiene	23.7	1.0	ug/l	25.0		95	70-130	0.04	20	
2-Hexanone	22.8	2.5	ug/l	25.0		91	44-150	13	31	
Iodomethane	28.8	2.5	ug/l	25.0		115	58-138	15	25	
Isopropylbenzene	25.0	0.50	ug/l	25.0		100	70-130	1	20	
p-Isopropyltoluene	23.1	0.50	ug/l	25.0		92	70-130	0.8	20	
Methylene Chloride	20.8	1.0	ug/l	25.0		83	70-130	2	20	
4-Methyl-2-pentanone (MIBK)	23.2	2.5	ug/l	25.0		93	61-142	2	22	
Methyl-tert-butyl Ether (MTBE)	20.2	0.50	ug/l	25.0		81	70-130	4	20	
Naphthalene	23.4	2.5	ug/l	25.0		94	65-129	1	20	
n-Propylbenzene	23.4	0.50	ug/l	25.0		93	70-130	0.3	20	
Styrene	22.5	0.50	ug/l	25.0		90	70-130	0.8	20	
1,1,1,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	0.8	20	
1,1,2,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	5	20	
Tetrachloroethene	22.2	0.50	ug/l	25.0		89	70-130	2	20	
Toluene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130	2	20	
1,2,4-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130	2	20	
1,1,1-Trichloroethane	21.8	0.50	ug/l	25.0		87	70-130	3	20	
1,1,2-Trichloroethane	21.4	0.50	ug/l	25.0		85	70-130	0.7	20	
Trichloroethene	21.5	0.50	ug/l	25.0		86	70-130	1	20	
Trichlorofluoromethane	24.4	0.50	ug/l	25.0		98	78-149	22	20	*R6*
1,2,3-Trichloropropane	22.0	1.0	ug/l	25.0		88	70-130	9	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130	0.3	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0		91	70-130	2	20	
Vinyl Acetate	25.8	1.0	ug/l	25.0		103	57-149	0.8	21	
Vinyl chloride	22.4	0.50	ug/l	25.0		90	66-134	1	20	
Xylenes, Total	43.3	1.0	ug/l	50.0		87	70-130	0.6	20	
Freon 113	20.8	2.0	ug/l	25.0		83	63-136	2	20	
Surrogate: Dibromofluoromethane	*21.9*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.6*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					**Source: PUC0827-02**					
Acetone	31.2	10	ug/l	25.0	ND	125	10-150			
Benzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130			
Bromochloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130			
Bromodichloromethane	22.4	0.50	ug/l	25.0	ND	90	70-130			
Bromoform	23.8	1.0	ug/l	25.0	ND	95	62-126			
Bromomethane	22.0	1.0	ug/l	25.0	ND	88	55-136			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0	ND	103	22-150			
n-Butylbenzene	23.5	0.50	ug/l	25.0	ND	94	70-130			
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Carbon disulfide	30.5	0.50	ug/l	25.0	ND	122	56-132			
Carbon tetrachloride	22.9	0.50	ug/l	25.0	ND	92	76-131			
Chlorobenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
Chloroethane	24.3	1.0	ug/l	25.0	ND	97	67-134			
Chloroform	23.0	0.50	ug/l	25.0	1.20	87	70-130			
Chloromethane	22.0	1.0	ug/l	25.0	ND	88	50-135			
2-Chlorotoluene	21.7	0.50	ug/l	25.0	ND	87	70-130			
4-Chlorotoluene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dibromochloromethane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,2-Dibromo-3-chloropropane	23.2	2.5	ug/l	25.0	ND	93	60-135			
1,2-Dibromoethane (EDB)	23.5	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	23.2	0.50	ug/l	25.0	ND	93	70-130			
1,2-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,4-Dichlorobenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dichlorodifluoromethane	22.7	0.50	ug/l	25.0	ND	91	36-150			
1,1-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	70-130			
1,2-Dichloroethane	22.9	0.50	ug/l	25.0	ND	92	68-143			
1,1-Dichloroethene	26.8	0.50	ug/l	25.0	ND	107	70-130			
cis-1,2-Dichloroethene	21.7	0.50	ug/l	25.0	ND	87	70-130			
trans-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichloropropane	22.9	0.50	ug/l	25.0	ND	91	70-130			
2,2-Dichloropropane	22.1	1.0	ug/l	25.0	ND	88	66-130			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					**Source: PUC0827-02**					
1,1-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
cis-1,3-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
trans-1,3-Dichloropropene	24.6	0.50	ug/l	25.0	ND	98	71-132			
Ethylbenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Hexachlorobutadiene	23.7	1.0	ug/l	25.0	ND	95	66-129			
2-Hexanone	25.8	2.5	ug/l	25.0	ND	103	18-150			
Iodomethane	35.6	2.5	ug/l	25.0	ND	142	47-141			*N1a*
Isopropylbenzene	24.9	0.50	ug/l	25.0	ND	99	78-137			
p-Isopropyltoluene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Methylene Chloride	26.8	1.0	ug/l	25.0	ND	107	74-132			
4-Methyl-2-pentanone (MIBK)	25.0	2.5	ug/l	25.0	ND	100	56-145			
Methyl-tert-butyl Ether (MTBE)	22.3	0.50	ug/l	25.0	ND	89	67-138			
Naphthalene	23.6	2.5	ug/l	25.0	ND	95	54-135			
n-Propylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Styrene	21.4	0.50	ug/l	25.0	ND	86	51-123			
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130			
1,1,2,2-Tetrachloroethane	23.8	0.50	ug/l	25.0	ND	95	69-133			
Tetrachloroethene	23.8	0.50	ug/l	25.0	1.89	88	70-130			
Toluene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,2,3-Trichlorobenzene	25.3	1.0	ug/l	25.0	ND	101	70-130			
1,2,4-Trichlorobenzene	25.4	1.0	ug/l	25.0	ND	102	66-126			
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	76-132			
1,1,2-Trichloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130			
Trichloroethene	22.0	0.50	ug/l	25.0	0.400	87	70-130			
Trichlorofluoromethane	27.1	0.50	ug/l	25.0	ND	108	74-150			
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0	ND	91	70-130			
1,2,4-Trimethylbenzene	23.4	0.50	ug/l	25.0	ND	93	70-130			
1,3,5-Trimethylbenzene	22.9	0.50	ug/l	25.0	ND	91	61-138			
Vinyl Acetate	28.1	1.0	ug/l	25.0	ND	112	50-150			
Vinyl chloride	23.5	0.50	ug/l	25.0	ND	94	58-139			
Xylenes, Total	43.3	1.0	ug/l	50.0	ND	87	70-130			
Freon 113	26.4	2.0	ug/l	25.0	ND	106	56-148			
Surrogate: Dibromofluoromethane	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.5*		*ug/l*	*25.0*		*86*	*70-130*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
Acetone	26.7	10	ug/l	25.0	ND	107	10-150	15	35	
Benzene	21.7	0.50	ug/l	25.0	ND	87	70-130	0.5	20	
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130	0.04	20	
Bromochloromethane	22.0	0.50	ug/l	25.0	ND	88	70-130	3	20	
Bromodichloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Bromoform	23.7	1.0	ug/l	25.0	ND	95	62-126	0.3	20	
Bromomethane	21.9	1.0	ug/l	25.0	ND	88	55-136	0.5	24	
2-Butanone (MEK)	24.7	2.5	ug/l	25.0	ND	99	22-150	4	31	
n-Butylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.3	20	
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.3	20	
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.09	20	
Carbon disulfide	25.2	0.50	ug/l	25.0	ND	101	56-132	19	20	
Carbon tetrachloride	23.3	0.50	ug/l	25.0	ND	93	76-131	2	20	
Chlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130	2	20	
Chloroethane	22.4	1.0	ug/l	25.0	ND	90	67-134	8	20	
Chloroform	22.7	0.50	ug/l	25.0	1.20	86	70-130	1	20	
Chloromethane	19.9	1.0	ug/l	25.0	ND	80	50-135	10	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
4-Chlorotoluene	22.8	0.50	ug/l	25.0	ND	91	70-130	1	20	
Dibromochloromethane	22.5	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
1,2-Dibromo-3-chloropropane	24.0	2.5	ug/l	25.0	ND	96	60-135	4	29	
1,2-Dibromoethane (EDB)	22.8	0.50	ug/l	25.0	ND	91	70-130	3	20	
Dibromomethane	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
1,2-Dichlorobenzene	22.3	0.50	ug/l	25.0	ND	89	70-130	2	20	
1,3-Dichlorobenzene	22.5	0.50	ug/l	25.0	ND	90	70-130	1	20	
1,4-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Dichlorodifluoromethane	22.2	0.50	ug/l	25.0	ND	89	36-150	2	22	
1,1-Dichloroethane	21.4	0.50	ug/l	25.0	ND	86	70-130	2	20	
1,2-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	68-143	5	20	
1,1-Dichloroethene	21.4	0.50	ug/l	25.0	ND	86	70-130	22	20	*R1*
cis-1,2-Dichloroethene	20.6	0.50	ug/l	25.0	ND	82	70-130	5	20	
trans-1,2-Dichloroethene	22.0	0.50	ug/l	25.0	ND	88	70-130	2	20	
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130	0.09	20	
1,3-Dichloropropane	22.3	0.50	ug/l	25.0	ND	89	70-130	3	20	
2,2-Dichloropropane	21.6	1.0	ug/l	25.0	ND	86	66-130	2	20	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
1,1-Dichloropropene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.7	20	
cis-1,3-Dichloropropene	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
trans-1,3-Dichloropropene	23.8	0.50	ug/l	25.0	ND	95	71-132	3	20	
Ethylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
Hexachlorobutadiene	23.6	1.0	ug/l	25.0	ND	95	66-129	0.2	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	29.0	2.5	ug/l	25.0	ND	116	47-141	20	29	
Isopropylbenzene	25.0	0.50	ug/l	25.0	ND	100	78-137	0.6	20	
p-Isopropyltoluene	23.0	0.50	ug/l	25.0	ND	92	70-130	1	20	
Methylene Chloride	21.3	1.0	ug/l	25.0	ND	85	74-132	23	20	*R1*
4-Methyl-2-pentanone (MIBK)	24.6	2.5	ug/l	25.0	ND	98	56-145	2	26	
Methyl-tert-butyl Ether (MTBE)	21.7	0.50	ug/l	25.0	ND	87	67-138	3	21	
Naphthalene	24.6	2.5	ug/l	25.0	ND	98	54-135	4	33	
n-Propylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.5	20	
Styrene	21.4	0.50	ug/l	25.0	ND	85	51-123	0.2	21	
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/l	25.0	ND	90	70-130	2	20	
1,1,2,2-Tetrachloroethane	23.4	0.50	ug/l	25.0	ND	94	69-133	1	20	
Tetrachloroethene	24.2	0.50	ug/l	25.0	1.89	89	70-130	1	20	
Toluene	22.2	0.50	ug/l	25.0	ND	89	70-130	3	20	
1,2,3-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	70-130	2	20	
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0	ND	99	66-126	2	20	
1,1,1-Trichloroethane	22.3	0.50	ug/l	25.0	ND	89	76-132	2	20	
1,1,2-Trichloroethane	22.6	0.50	ug/l	25.0	ND	90	70-130	1	20	
Trichloroethene	22.6	0.50	ug/l	25.0	0.400	89	70-130	3	20	
Trichlorofluoromethane	25.7	0.50	ug/l	25.0	ND	103	74-150	5	20	
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0	ND	96	70-130	5	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0	ND	93	70-130	0.4	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0	ND	91	61-138	0.4	33	
Vinyl Acetate	26.4	1.0	ug/l	25.0	ND	105	50-150	6	23	
Vinyl chloride	23.2	0.50	ug/l	25.0	ND	93	58-139	1	21	
Xylenes, Total	43.5	1.0	ug/l	50.0	ND	87	70-130	0.3	20	
Freon 113	20.4	2.0	ug/l	25.0	ND	82	56-148	26	22	*R1*
Surrogate: Dibromofluoromethane	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			

TestAmerica Phoenix

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Project Manager

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
Acetone	ND	10	ug/l							*V1*
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.0*		*ug/l*	*25.0*		*88*	*70-130*			

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Kylie Emily
Project Manager

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Project ID: 0096498.009
Report Number: PUC0982

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
Acetone	30.6	10	ug/l	25.0		122	30-150			*V1*
Benzene	20.1	0.50	ug/l	25.0		81	70-130			
Bromobenzene	21.1	0.50	ug/l	25.0		85	70-130			
Bromochloromethane	20.9	0.50	ug/l	25.0		84	70-130			
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130			
Bromoform	22.1	1.0	ug/l	25.0		89	67-122			
Bromomethane	20.8	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0		103	48-150			
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130			
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
tert-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
Carbon disulfide	29.0	0.50	ug/l	25.0		116	61-126			
Carbon tetrachloride	21.4	0.50	ug/l	25.0		86	70-130			
Chlorobenzene	20.7	0.50	ug/l	25.0		83	70-130			
Chloroethane	21.3	1.0	ug/l	25.0		85	69-128			
Chloroform	20.2	0.50	ug/l	25.0		81	70-130			
Chloromethane	17.5	1.0	ug/l	25.0		70	56-131			
2-Chlorotoluene	20.4	0.50	ug/l	25.0		82	70-130			
4-Chlorotoluene	21.3	0.50	ug/l	25.0		85	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	21.4	2.5	ug/l	25.0		86	63-129			
1,2-Dibromoethane (EDB)	21.3	0.50	ug/l	25.0		85	70-130			
Dibromomethane	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichlorobenzene	20.8	0.50	ug/l	25.0		83	70-130			
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0		84	70-130			
1,4-Dichlorobenzene	20.9	0.50	ug/l	25.0		83	70-130			
Dichlorodifluoromethane	20.6	0.50	ug/l	25.0		82	42-150			
1,1-Dichloroethane	20.6	0.50	ug/l	25.0		82	70-130			
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133			
1,1-Dichloroethene	25.7	0.50	ug/l	25.0		103	70-130			
cis-1,2-Dichloroethene	19.9	0.50	ug/l	25.0		79	70-130			
trans-1,2-Dichloroethene	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichloropropane	20.7	0.50	ug/l	25.0		83	70-130			
1,3-Dichloropropane	20.9	0.50	ug/l	25.0		84	70-130			
2,2-Dichloropropane	21.0	1.0	ug/l	25.0		84	70-130			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
1,1-Dichloropropene	21.0	0.50	ug/l	25.0		84	70-130			
cis-1,3-Dichloropropene	21.4	0.50	ug/l	25.0		86	70-130			
trans-1,3-Dichloropropene	22.4	0.50	ug/l	25.0		89	70-130			
Ethylbenzene	20.7	0.50	ug/l	25.0		83	70-130			
Hexachlorobutadiene	22.0	1.0	ug/l	25.0		88	70-130			
2-Hexanone	24.6	2.5	ug/l	25.0		98	44-150			
Iodomethane	38.3	2.5	ug/l	25.0		153	58-138			*L3*
Isopropylbenzene	22.9	0.50	ug/l	25.0		92	70-130			
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130			
Methylene Chloride	24.7	1.0	ug/l	25.0		99	70-130			
4-Methyl-2-pentanone (MIBK)	23.5	2.5	ug/l	25.0		94	61-142			
Methyl-tert-butyl Ether (MTBE)	20.0	0.50	ug/l	25.0		80	70-130			
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129			
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130			
Styrene	21.6	0.50	ug/l	25.0		86	70-130			
1,1,1,2-Tetrachloroethane	20.8	0.50	ug/l	25.0		83	70-130			
1,1,2,2-Tetrachloroethane	21.4	0.50	ug/l	25.0		86	70-130			
Tetrachloroethene	20.8	0.50	ug/l	25.0		83	70-130			
Toluene	20.2	0.50	ug/l	25.0		81	70-130			
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,2,4-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,1,1-Trichloroethane	20.9	0.50	ug/l	25.0		84	70-130			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
Trichloroethene	20.7	0.50	ug/l	25.0		83	70-130			
Trichlorofluoromethane	23.8	0.50	ug/l	25.0		95	78-149			
1,2,3-Trichloropropane	21.8	1.0	ug/l	25.0		87	70-130			
1,2,4-Trimethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
1,3,5-Trimethylbenzene	21.4	0.50	ug/l	25.0		86	70-130			
Vinyl Acetate	26.4	1.0	ug/l	25.0		105	57-149			
Vinyl chloride	21.0	0.50	ug/l	25.0		84	66-134			
Xylenes, Total	41.1	1.0	ug/l	50.0		82	70-130			
Freon 113	24.5	2.0	ug/l	25.0		98	63-136			
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
Acetone	28.4	10	ug/l	25.0		113	30-150	7	35	*V1*
Benzene	20.0	0.50	ug/l	25.0		80	70-130	0.7	20	
Bromobenzene	22.0	0.50	ug/l	25.0		88	70-130	4	20	
Bromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	0.5	20	
Bromodichloromethane	21.0	0.50	ug/l	25.0		84	70-130	0.9	20	
Bromoform	23.0	1.0	ug/l	25.0		92	67-122	4	20	
Bromomethane	18.3	1.0	ug/l	25.0		73	64-132	13	20	
2-Butanone (MEK)	23.3	2.5	ug/l	25.0		93	48-150	9	33	
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130	0.3	20	
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130	0.1	20	
tert-Butylbenzene	21.3	0.50	ug/l	25.0		85	70-130	1	20	
Carbon disulfide	23.5	0.50	ug/l	25.0		94	61-126	21	20	*R6*
Carbon tetrachloride	21.2	0.50	ug/l	25.0		85	70-130	1	20	
Chlorobenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Chloroethane	19.9	1.0	ug/l	25.0		79	69-128	7	20	
Chloroform	19.6	0.50	ug/l	25.0		78	70-130	3	20	
Chloromethane	16.5	1.0	ug/l	25.0		66	56-131	6	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0		82	70-130	0.8	20	
4-Chlorotoluene	21.4	0.50	ug/l	25.0		86	70-130	0.5	20	
Dibromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	4	20	
1,2-Dibromo-3-chloropropane	22.4	2.5	ug/l	25.0		90	63-129	4	25	
1,2-Dibromoethane (EDB)	20.8	0.50	ug/l	25.0		83	70-130	2	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	3	20	
1,2-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	2	20	
1,3-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	1	20	
1,4-Dichlorobenzene	21.4	0.50	ug/l	25.0		85	70-130	2	20	
Dichlorodifluoromethane	19.2	0.50	ug/l	25.0		77	42-150	7	20	
1,1-Dichloroethane	20.0	0.50	ug/l	25.0		80	70-130	3	20	
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133	3	20	
1,1-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130	25	20	*R6*
cis-1,2-Dichloroethene	19.5	0.50	ug/l	25.0		78	70-130	2	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0		81	70-130	4	20	
1,2-Dichloropropane	21.0	0.50	ug/l	25.0		84	70-130	1	20	
1,3-Dichloropropane	20.8	0.50	ug/l	25.0		83	70-130	0.2	20	
2,2-Dichloropropane	20.3	1.0	ug/l	25.0		81	70-130	3	20	

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
1,1-Dichloropropene	20.9	0.50	ug/l	25.0		84	70-130	0.5	20	
cis-1,3-Dichloropropene	21.2	0.50	ug/l	25.0		85	70-130	0.9	20	
trans-1,3-Dichloropropene	21.7	0.50	ug/l	25.0		87	70-130	3	20	
Ethylbenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Hexachlorobutadiene	22.4	1.0	ug/l	25.0		90	70-130	2	20	
2-Hexanone	23.2	2.5	ug/l	25.0		93	44-150	6	31	
Iodomethane	24.8	2.5	ug/l	25.0		99	58-138	43	25	*R1*
Isopropylbenzene	23.3	0.50	ug/l	25.0		93	70-130	2	20	
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130	0.05	20	
Methylene Chloride	19.9	1.0	ug/l	25.0		80	70-130	22	20	*R6*
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0		94	61-142	0.4	22	
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0		80	70-130	0.3	20	
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129	0.1	20	
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Styrene	21.4	0.50	ug/l	25.0		86	70-130	0.9	20	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0		82	70-130	2	20	
1,1,2,2-Tetrachloroethane	21.9	0.50	ug/l	25.0		88	70-130	2	20	
Tetrachloroethene	20.3	0.50	ug/l	25.0		81	70-130	2	20	
Toluene	20.1	0.50	ug/l	25.0		80	70-130	0.8	20	
1,2,3-Trichlorobenzene	23.3	1.0	ug/l	25.0		93	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0		97	70-130	2	20	
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0		83	70-130	1	20	
1,1,2-Trichloroethane	20.6	0.50	ug/l	25.0		82	70-130	3	20	
Trichloroethene	20.2	0.50	ug/l	25.0		81	70-130	3	20	
Trichlorofluoromethane	22.6	0.50	ug/l	25.0		90	78-149	5	20	
1,2,3-Trichloropropane	22.6	1.0	ug/l	25.0		90	70-130	4	20	
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0		87	70-130	1	20	
1,3,5-Trimethylbenzene	21.5	0.50	ug/l	25.0		86	70-130	0.3	20	
Vinyl Acetate	26.1	1.0	ug/l	25.0		104	57-149	1	21	
Vinyl chloride	19.3	0.50	ug/l	25.0		77	66-134	9	20	
Xylenes, Total	39.6	1.0	ug/l	50.0		79	70-130	3	20	
Freon 113	19.3	2.0	ug/l	25.0		77	63-136	24	20	*R6*
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

TestAmerica Phoenix

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Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
Acetone	27.2	10	ug/l	25.0	ND	109	10-150			*V1*
Benzene	19.8	0.50	ug/l	25.0	ND	79	70-130			
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Bromochloromethane	20.5	0.50	ug/l	25.0	ND	82	70-130			
Bromodichloromethane	20.6	0.50	ug/l	25.0	ND	83	70-130			
Bromoform	22.7	1.0	ug/l	25.0	ND	91	62-126			
Bromomethane	18.1	1.0	ug/l	25.0	ND	72	55-136			
2-Butanone (MEK)	23.7	2.5	ug/l	25.0	ND	95	22-150			
n-Butylbenzene	22.2	0.50	ug/l	25.0	ND	89	70-130			
sec-Butylbenzene	21.2	0.50	ug/l	25.0	ND	85	70-130			
tert-Butylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130			
Carbon disulfide	23.5	0.50	ug/l	25.0	ND	94	56-132			
Carbon tetrachloride	21.5	0.50	ug/l	25.0	ND	86	76-131			
Chlorobenzene	20.6	0.50	ug/l	25.0	ND	82	70-130			
Chloroethane	20.1	1.0	ug/l	25.0	ND	80	67-134			
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130			
Chloromethane	17.4	1.0	ug/l	25.0	ND	70	50-135			
2-Chlorotoluene	20.7	0.50	ug/l	25.0	ND	83	70-130			
4-Chlorotoluene	21.9	0.50	ug/l	25.0	ND	88	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dibromo-3-chloropropane	21.6	2.5	ug/l	25.0	ND	86	60-135			
1,2-Dibromoethane (EDB)	21.1	0.50	ug/l	25.0	ND	84	70-130			
Dibromomethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
1,2-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,3-Dichlorobenzene	21.3	0.50	ug/l	25.0	ND	85	70-130			
1,4-Dichlorobenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150			
1,1-Dichloroethane	21.6	0.50	ug/l	25.0	1.90	79	70-130			
1,2-Dichloroethane	20.4	0.50	ug/l	25.0	ND	81	68-143			
1,1-Dichloroethene	22.4	0.50	ug/l	25.0	2.71	79	70-130			
cis-1,2-Dichloroethene	21.4	0.50	ug/l	25.0	1.96	78	70-130			
trans-1,2-Dichloroethene	20.2	0.50	ug/l	25.0	ND	81	70-130			
1,2-Dichloropropane	21.2	0.50	ug/l	25.0	ND	85	70-130			
1,3-Dichloropropane	20.6	0.50	ug/l	25.0	ND	83	70-130			
2,2-Dichloropropane	19.9	1.0	ug/l	25.0	ND	79	66-130			

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Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
1,1-Dichloropropene	21.2	0.50	ug/l	25.0	ND	85	70-130			
cis-1,3-Dichloropropene	20.9	0.50	ug/l	25.0	ND	83	70-130			
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132			
Ethylbenzene	20.6	0.50	ug/l	25.0	ND	83	70-130			
Hexachlorobutadiene	23.0	1.0	ug/l	25.0	ND	92	66-129			
2-Hexanone	24.2	2.5	ug/l	25.0	ND	97	18-150			
Iodomethane	24.2	2.5	ug/l	25.0	ND	97	47-141			
Isopropylbenzene	23.2	0.50	ug/l	25.0	ND	93	78-137			
p-Isopropyltoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
Methylene Chloride	19.8	1.0	ug/l	25.0	ND	79	74-132			
4-Methyl-2-pentanone (MIBK)	23.1	2.5	ug/l	25.0	ND	92	56-145			
Methyl-tert-butyl Ether (MTBE)	19.9	0.50	ug/l	25.0	0.140	79	67-138			
Naphthalene	22.8	2.5	ug/l	25.0	ND	91	54-135			
n-Propylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Styrene	19.9	0.50	ug/l	25.0	ND	80	51-123			
1,1,1,2-Tetrachloroethane	20.9	0.50	ug/l	25.0	ND	84	70-130			
1,1,2,2-Tetrachloroethane	22.1	0.50	ug/l	25.0	ND	88	69-133			
Tetrachloroethene	21.2	0.50	ug/l	25.0	0.430	83	70-130			
Toluene	20.1	0.50	ug/l	25.0	ND	80	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	70-130			
1,2,4-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	66-126			
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0	ND	83	76-132			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0	ND	85	70-130			
Trichloroethene	28.0	0.50	ug/l	25.0	7.93	80	70-130			
Trichlorofluoromethane	23.9	0.50	ug/l	25.0	0.130	95	74-150			
1,2,3-Trichloropropane	22.1	1.0	ug/l	25.0	ND	88	70-130			
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3,5-Trimethylbenzene	21.8	0.50	ug/l	25.0	ND	87	61-138			
Vinyl Acetate	24.4	1.0	ug/l	25.0	ND	98	50-150			
Vinyl chloride	19.0	0.50	ug/l	25.0	ND	76	58-139			
Xylenes, Total	40.7	1.0	ug/l	50.0	ND	81	70-130			
Freon 113	19.4	2.0	ug/l	25.0	ND	78	56-148			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*94*	*70-130*			
Surrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			

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Kylie Emily
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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
Acetone	25.0	10	ug/l	25.0	ND	100	10-150	8	35	*V1*
Benzene	19.9	0.50	ug/l	25.0	ND	80	70-130	0.4	20	
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	0.05	20	
Bromochloromethane	20.9	0.50	ug/l	25.0	ND	83	70-130	2	20	
Bromodichloromethane	20.8	0.50	ug/l	25.0	ND	83	70-130	0.8	20	
Bromoform	22.4	1.0	ug/l	25.0	ND	89	62-126	2	20	
Bromomethane	18.4	1.0	ug/l	25.0	ND	73	55-136	1	24	
2-Butanone (MEK)	23.1	2.5	ug/l	25.0	ND	92	22-150	2	31	
n-Butylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	1	20	
sec-Butylbenzene	21.1	0.50	ug/l	25.0	ND	84	70-130	0.6	20	
tert-Butylbenzene	21.0	0.50	ug/l	25.0	ND	84	70-130	2	20	
Carbon disulfide	23.0	0.50	ug/l	25.0	ND	92	56-132	2	20	
Carbon tetrachloride	21.0	0.50	ug/l	25.0	ND	84	76-131	2	20	
Chlorobenzene	20.4	0.50	ug/l	25.0	ND	82	70-130	0.9	20	
Chloroethane	19.9	1.0	ug/l	25.0	ND	80	67-134	0.7	20	
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130	0.05	20	
Chloromethane	18.1	1.0	ug/l	25.0	ND	72	50-135	4	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0	ND	83	70-130	0.3	20	
4-Chlorotoluene	21.6	0.50	ug/l	25.0	ND	86	70-130	1	20	
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130	0.09	20	
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0	ND	91	60-135	6	29	
1,2-Dibromoethane (EDB)	22.0	0.50	ug/l	25.0	ND	88	70-130	4	20	
Dibromomethane	21.4	0.50	ug/l	25.0	ND	86	70-130	0.5	20	
1,2-Dichlorobenzene	21.4	0.50	ug/l	25.0	ND	85	70-130	1	20	
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0	ND	84	70-130	2	20	
1,4-Dichlorobenzene	21.2	0.50	ug/l	25.0	ND	85	70-130	3	20	
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150	0.05	22	
1,1-Dichloroethane	21.7	0.50	ug/l	25.0	1.90	79	70-130	0.6	20	
1,2-Dichloroethane	20.3	0.50	ug/l	25.0	ND	81	68-143	0.2	20	
1,1-Dichloroethene	22.3	0.50	ug/l	25.0	2.71	78	70-130	0.7	20	
cis-1,2-Dichloroethene	21.1	0.50	ug/l	25.0	1.96	77	70-130	1	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0	ND	81	70-130	0.2	20	
1,2-Dichloropropane	20.8	0.50	ug/l	25.0	ND	83	70-130	2	20	
1,3-Dichloropropane	21.1	0.50	ug/l	25.0	ND	84	70-130	2	20	
2,2-Dichloropropane	19.5	1.0	ug/l	25.0	ND	78	66-130	2	20	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
1,1-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	3	20	
cis-1,3-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	1	20	
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132	0.2	20	
Ethylbenzene	20.5	0.50	ug/l	25.0	ND	82	70-130	0.7	20	
Hexachlorobutadiene	21.9	1.0	ug/l	25.0	ND	88	66-129	5	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	24.5	2.5	ug/l	25.0	ND	98	47-141	0.9	29	
Isopropylbenzene	23.1	0.50	ug/l	25.0	ND	92	78-137	0.3	20	
p-Isopropyltoluene	21.8	0.50	ug/l	25.0	ND	87	70-130	2	20	
Methylene Chloride	20.2	1.0	ug/l	25.0	ND	81	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	22.9	2.5	ug/l	25.0	ND	92	56-145	0.9	26	
Methyl-tert-butyl Ether (MTBE)	20.3	0.50	ug/l	25.0	0.140	81	67-138	2	21	
Naphthalene	24.5	2.5	ug/l	25.0	ND	98	54-135	7	33	
n-Propylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	0.3	20	
Styrene	19.7	0.50	ug/l	25.0	ND	79	51-123	1	21	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0	ND	82	70-130	2	20	
1,1,2,2-Tetrachloroethane	22.5	0.50	ug/l	25.0	ND	90	69-133	2	20	
Tetrachloroethene	21.1	0.50	ug/l	25.0	0.430	83	70-130	0.5	20	
Toluene	20.1	0.50	ug/l	25.0	ND	81	70-130	0.3	20	
1,2,3-Trichlorobenzene	24.0	1.0	ug/l	25.0	ND	96	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	66-126	3	20	
1,1,1-Trichloroethane	20.4	0.50	ug/l	25.0	ND	82	76-132	1	20	
1,1,2-Trichloroethane	21.3	0.50	ug/l	25.0	ND	85	70-130	0.3	20	
Trichloroethene	28.2	0.50	ug/l	25.0	7.93	81	70-130	0.4	20	
Trichlorofluoromethane	23.6	0.50	ug/l	25.0	0.130	94	74-150	1	20	
1,2,3-Trichloropropane	22.5	1.0	ug/l	25.0	ND	90	70-130	2	20	
1,2,4-Trimethylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130	0.7	20	
1,3,5-Trimethylbenzene	21.2	0.50	ug/l	25.0	ND	85	61-138	3	33	
Vinyl Acetate	24.1	1.0	ug/l	25.0	ND	96	50-150	1	23	
Vinyl chloride	19.2	0.50	ug/l	25.0	ND	77	58-139	1	21	
Xylenes, Total	40.4	1.0	ug/l	50.0	ND	81	70-130	0.9	20	
Freon 113	19.2	2.0	ug/l	25.0	ND	77	56-148	1	22	
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0614 Extracted: 03/16/11										
Blank Analyzed: 03/18/2011 (11C0614-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.2*		*ug/l*	*20.0*		*81*	*30-130*			
LCS Analyzed: 03/18/2011 (11C0614-BS1)										
1,4-Dioxane	20.9	1.0	ug/l	20.0		105	85-115			
Surrogate: 1,4-Dioxane-d8	*14.7*		*ug/l*	*20.0*		*74*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.6*		*ug/l*	*20.0*		*83*	*35-140*			
LCS Dup Analyzed: 03/18/2011 (11C0614-BSD1)										
1,4-Dioxane	20.9	1.0	ug/l	20.0		105	85-115	0.05	20	
Surrogate: 1,4-Dioxane-d8	*15.3*		*ug/l*	*20.0*		*76*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*35-140*			
Matrix Spike Analyzed: 03/18/2011 (11C0614-MS1)					**Source: PUC0982-02**					
1,4-Dioxane	22.6	1.0	ug/l	20.0	1.54	105	70-125			
Surrogate: 1,4-Dioxane-d8	*15.2*		*ug/l*	*20.0*		*76*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.7*		*ug/l*	*20.0*		*84*	*30-130*			
Matrix Spike Analyzed: 03/18/2011 (11C0614-MS2)					**Source: PUC0911-02**					
1,4-Dioxane	21.3	1.0	ug/l	20.0	0.380	104	70-125			
Surrogate: 1,4-Dioxane-d8	*27.1*		*ug/l*	*20.0*		*135*	*20-105*			*N1a, S4*
Surrogate: Nitrobenzene-d5	*33.6*		*ug/l*	*20.0*		*168*	*30-130*			*N1a, S4*
Matrix Spike Dup Analyzed: 03/18/2011 (11C0614-MSD1)					**Source: PUC0982-02**					
1,4-Dioxane	22.2	1.0	ug/l	20.0	1.54	104	70-125	1	20	
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.3*		*ug/l*	*20.0*		*87*	*30-130*			

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Kylie Emily
Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0614 Extracted: 03/16/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0614-MSD2)					**Source: PUC0911-02**					
1,4-Dioxane	21.5	1.0	ug/l	20.0	0.380	106	70-125	1	20	
Surrogate: 1,4-Dioxane-d8	*14.0*		*ug/l*	*20.0*		*70*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.9*		*ug/l*	*20.0*		*84*	*30-130*			

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
S4	Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0982

Sampled: 03/15/11
Received: 03/15/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[ ] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

Client Name/Address: ERM
7272 E. Indian School Rd.
Scottsdale, AZ 85251

Project/PO Number: 0096498.009

Project Manager: Jason Hilker
Send Report to: Jason.Hilker@ERM.com

Phone Number: 480-998-2401

Sampler: Adam Nagle

Fax Number: 480-998-2106

Analysis Required: VOC (8260B); 624-Dioxane only (8270C)

PUC0982

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	624-Dioxane only (8270C)								Special Instructions
EW003-10S-R-S-031511	W	40mL / 1L	3 / 1	3/15/11	0800	HCl / -	X	X								01
003-10M-M-031511	↓	↓	↓	↓	0915	↓	↓	↓								02
003-10M-M-031511-MS/MSD	↓	↓	↓	↓	0915	↓	↓	↓								MS/MSD 02
003-10M2-M-031511	↓	↓	↓	↓	1020	↓	↓	↓								03
~~003-10S-S-031511~~					~~1110~~											
GW-EB6-031511	↓	↓	↓	↓	1401	↓	↓	↓								05
GW-L1-7-031511	↓	40mL	1	↓	-	HCl	X									TRIP BLANK (VOC only) 06

KJ

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)
ERN / ERM	3/15 1120			same day ____ 72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____ 5 days ____
				48 hours ____ normal ✓
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time:	Sample Integrity: (Check)
			3/15/11 1420	intact ✓ on ice ✓ 08

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

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LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.009

Sampled: 03/16/11
Received: 03/16/11
Issued: 03/24/11 08:58

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC1114-01	OU3-5SR-S-031611	Water
PUC1114-02	OU3-5DR-D-031611	Water
PUC1114-03	OU3-5M2-M-031611	Water
PUC1114-04	GW-EB7-031611	Water
PUC1114-05	GW-L1-8-031611	Water

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

SAMPLE RECEIPT: Samples were received intact, at 3°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R1-The RPD exceeded the acceptance limit.
N1-8260- Trip blank sample PUC1114-05 had a hit for MTBE at 0.64 ppb. All associated samples were ND for this analyte.
N1-8270- Due to matrix interference the Internal Standard 1,4-Dichlorobenzene-d4 failed below method criteria. The surrogates Nitrobenzene-d5 and 1,4-Dioxane-d8 are calculated using this IS. The surrogate recoveries are estimated values due to the IS failure, causing the surrogates to recover higher than laboratory limits.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1114-01 (OU3-5SR-S-031611 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**1.8**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	**3.9**	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	**4.6**	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	**6.5**	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1114-01 (OU3-5SR-S-031611 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	**1.4**	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	**28**	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*93 %*				
Surrogate: Toluene-d8 (70-130%)				*90 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*88 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1114-02 (OU3-5DR-D-031611 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1114-02 (OU3-5DR-D-031611 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*93 %*				
Surrogate: Toluene-d8 (70-130%)				*91 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*88 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1114-03 (OU3-5M2-M-031611 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**0.82**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	**5.8**	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	**8.7**	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	**14**	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1114-03 (OU3-5M2-M-031611 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	**3.2**	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	**73**	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*93 %*				
Surrogate: Toluene-d8 (70-130%)				*91 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*88 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1114-04 (GW-EB7-031611 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	**3.6**	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**5.9**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	**1.3**	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1114-04 (GW-EB7-031611 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*97 %*				
Surrogate: Toluene-d8 (70-130%)				*90 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*88 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1114-05 (GW-L1-8-031611 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1114-05 (GW-L1-8-031611 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	**0.64**	1	3/22/2011	3/22/2011	N1
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*92 %*				
Surrogate: Toluene-d8 (70-130%)				*88 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*86 %*				

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1114-01 (OU3-5SR-S-031611 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	ND	1	3/17/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*127 %*				*N1, S4*
Surrogate: Nitrobenzene-d5 (30-130%)				*161 %*				*N1, S4*
Sample ID: PUC1114-02 (OU3-5DR-D-031611 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	ND	1	3/17/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*71 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*83 %*				
Sample ID: PUC1114-03 (OU3-5M2-M-031611 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	**2.8**	1	3/17/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*67 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*82 %*				
Sample ID: PUC1114-04 (GW-EB7-031611 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	ND	1	3/17/2011	3/19/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*60 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*75 %*				

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Sampled: 03/16/11
Received: 03/16/11

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
Acetone	ND	10	ug/l							*V1*
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.0*		*ug/l*	*25.0*		*88*	*70-130*			

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
Acetone	30.6	10	ug/l	25.0		122	30-150			*V1*
Benzene	20.1	0.50	ug/l	25.0		81	70-130			
Bromobenzene	21.1	0.50	ug/l	25.0		85	70-130			
Bromochloromethane	20.9	0.50	ug/l	25.0		84	70-130			
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130			
Bromoform	22.1	1.0	ug/l	25.0		89	67-122			
Bromomethane	20.8	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0		103	48-150			
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130			
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
tert-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
Carbon disulfide	29.0	0.50	ug/l	25.0		116	61-126			
Carbon tetrachloride	21.4	0.50	ug/l	25.0		86	70-130			
Chlorobenzene	20.7	0.50	ug/l	25.0		83	70-130			
Chloroethane	21.3	1.0	ug/l	25.0		85	69-128			
Chloroform	20.2	0.50	ug/l	25.0		81	70-130			
Chloromethane	17.5	1.0	ug/l	25.0		70	56-131			
2-Chlorotoluene	20.4	0.50	ug/l	25.0		82	70-130			
4-Chlorotoluene	21.3	0.50	ug/l	25.0		85	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	21.4	2.5	ug/l	25.0		86	63-129			
1,2-Dibromoethane (EDB)	21.3	0.50	ug/l	25.0		85	70-130			
Dibromomethane	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichlorobenzene	20.8	0.50	ug/l	25.0		83	70-130			
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0		84	70-130			
1,4-Dichlorobenzene	20.9	0.50	ug/l	25.0		83	70-130			
Dichlorodifluoromethane	20.6	0.50	ug/l	25.0		82	42-150			
1,1-Dichloroethane	20.6	0.50	ug/l	25.0		82	70-130			
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133			
1,1-Dichloroethene	25.7	0.50	ug/l	25.0		103	70-130			
cis-1,2-Dichloroethene	19.9	0.50	ug/l	25.0		79	70-130			
trans-1,2-Dichloroethene	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichloropropane	20.7	0.50	ug/l	25.0		83	70-130			
1,3-Dichloropropane	20.9	0.50	ug/l	25.0		84	70-130			
2,2-Dichloropropane	21.0	1.0	ug/l	25.0		84	70-130			

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
1,1-Dichloropropene	21.0	0.50	ug/l	25.0		84	70-130			
cis-1,3-Dichloropropene	21.4	0.50	ug/l	25.0		86	70-130			
trans-1,3-Dichloropropene	22.4	0.50	ug/l	25.0		89	70-130			
Ethylbenzene	20.7	0.50	ug/l	25.0		83	70-130			
Hexachlorobutadiene	22.0	1.0	ug/l	25.0		88	70-130			
2-Hexanone	24.6	2.5	ug/l	25.0		98	44-150			
Iodomethane	38.3	2.5	ug/l	25.0		153	58-138			*L3*
Isopropylbenzene	22.9	0.50	ug/l	25.0		92	70-130			
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130			
Methylene Chloride	24.7	1.0	ug/l	25.0		99	70-130			
4-Methyl-2-pentanone (MIBK)	23.5	2.5	ug/l	25.0		94	61-142			
Methyl-tert-butyl Ether (MTBE)	20.0	0.50	ug/l	25.0		80	70-130			
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129			
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130			
Styrene	21.6	0.50	ug/l	25.0		86	70-130			
1,1,1,2-Tetrachloroethane	20.8	0.50	ug/l	25.0		83	70-130			
1,1,2,2-Tetrachloroethane	21.4	0.50	ug/l	25.0		86	70-130			
Tetrachloroethene	20.8	0.50	ug/l	25.0		83	70-130			
Toluene	20.2	0.50	ug/l	25.0		81	70-130			
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,2,4-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,1,1-Trichloroethane	20.9	0.50	ug/l	25.0		84	70-130			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
Trichloroethene	20.7	0.50	ug/l	25.0		83	70-130			
Trichlorofluoromethane	23.8	0.50	ug/l	25.0		95	78-149			
1,2,3-Trichloropropane	21.8	1.0	ug/l	25.0		87	70-130			
1,2,4-Trimethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
1,3,5-Trimethylbenzene	21.4	0.50	ug/l	25.0		86	70-130			
Vinyl Acetate	26.4	1.0	ug/l	25.0		105	57-149			
Vinyl chloride	21.0	0.50	ug/l	25.0		84	66-134			
Xylenes, Total	41.1	1.0	ug/l	50.0		82	70-130			
Freon 113	24.5	2.0	ug/l	25.0		98	63-136			
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
Acetone	28.4	10	ug/l	25.0		113	30-150	7	35	*V1*
Benzene	20.0	0.50	ug/l	25.0		80	70-130	0.7	20	
Bromobenzene	22.0	0.50	ug/l	25.0		88	70-130	4	20	
Bromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	0.5	20	
Bromodichloromethane	21.0	0.50	ug/l	25.0		84	70-130	0.9	20	
Bromoform	23.0	1.0	ug/l	25.0		92	67-122	4	20	
Bromomethane	18.3	1.0	ug/l	25.0		73	64-132	13	20	
2-Butanone (MEK)	23.3	2.5	ug/l	25.0		93	48-150	9	33	
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130	0.3	20	
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130	0.1	20	
tert-Butylbenzene	21.3	0.50	ug/l	25.0		85	70-130	1	20	
Carbon disulfide	23.5	0.50	ug/l	25.0		94	61-126	21	20	*R6*
Carbon tetrachloride	21.2	0.50	ug/l	25.0		85	70-130	1	20	
Chlorobenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Chloroethane	19.9	1.0	ug/l	25.0		79	69-128	7	20	
Chloroform	19.6	0.50	ug/l	25.0		78	70-130	3	20	
Chloromethane	16.5	1.0	ug/l	25.0		66	56-131	6	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0		82	70-130	0.8	20	
4-Chlorotoluene	21.4	0.50	ug/l	25.0		86	70-130	0.5	20	
Dibromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	4	20	
1,2-Dibromo-3-chloropropane	22.4	2.5	ug/l	25.0		90	63-129	4	25	
1,2-Dibromoethane (EDB)	20.8	0.50	ug/l	25.0		83	70-130	2	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	3	20	
1,2-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	2	20	
1,3-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	1	20	
1,4-Dichlorobenzene	21.4	0.50	ug/l	25.0		85	70-130	2	20	
Dichlorodifluoromethane	19.2	0.50	ug/l	25.0		77	42-150	7	20	
1,1-Dichloroethane	20.0	0.50	ug/l	25.0		80	70-130	3	20	
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133	3	20	
1,1-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130	25	20	*R6*
cis-1,2-Dichloroethene	19.5	0.50	ug/l	25.0		78	70-130	2	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0		81	70-130	4	20	
1,2-Dichloropropane	21.0	0.50	ug/l	25.0		84	70-130	1	20	
1,3-Dichloropropane	20.8	0.50	ug/l	25.0		83	70-130	0.2	20	
2,2-Dichloropropane	20.3	1.0	ug/l	25.0		81	70-130	3	20	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
1,1-Dichloropropene	20.9	0.50	ug/l	25.0		84	70-130	0.5	20	
cis-1,3-Dichloropropene	21.2	0.50	ug/l	25.0		85	70-130	0.9	20	
trans-1,3-Dichloropropene	21.7	0.50	ug/l	25.0		87	70-130	3	20	
Ethylbenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Hexachlorobutadiene	22.4	1.0	ug/l	25.0		90	70-130	2	20	
2-Hexanone	23.2	2.5	ug/l	25.0		93	44-150	6	31	
Iodomethane	24.8	2.5	ug/l	25.0		99	58-138	43	25	*R1*
Isopropylbenzene	23.3	0.50	ug/l	25.0		93	70-130	2	20	
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130	0.05	20	
Methylene Chloride	19.9	1.0	ug/l	25.0		80	70-130	22	20	*R6*
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0		94	61-142	0.4	22	
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0		80	70-130	0.3	20	
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129	0.1	20	
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Styrene	21.4	0.50	ug/l	25.0		86	70-130	0.9	20	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0		82	70-130	2	20	
1,1,2,2-Tetrachloroethane	21.9	0.50	ug/l	25.0		88	70-130	2	20	
Tetrachloroethene	20.3	0.50	ug/l	25.0		81	70-130	2	20	
Toluene	20.1	0.50	ug/l	25.0		80	70-130	0.8	20	
1,2,3-Trichlorobenzene	23.3	1.0	ug/l	25.0		93	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0		97	70-130	2	20	
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0		83	70-130	1	20	
1,1,2-Trichloroethane	20.6	0.50	ug/l	25.0		82	70-130	3	20	
Trichloroethene	20.2	0.50	ug/l	25.0		81	70-130	3	20	
Trichlorofluoromethane	22.6	0.50	ug/l	25.0		90	78-149	5	20	
1,2,3-Trichloropropane	22.6	1.0	ug/l	25.0		90	70-130	4	20	
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0		87	70-130	1	20	
1,3,5-Trimethylbenzene	21.5	0.50	ug/l	25.0		86	70-130	0.3	20	
Vinyl Acetate	26.1	1.0	ug/l	25.0		104	57-149	1	21	
Vinyl chloride	19.3	0.50	ug/l	25.0		77	66-134	9	20	
Xylenes, Total	39.6	1.0	ug/l	50.0		79	70-130	3	20	
Freon 113	19.3	2.0	ug/l	25.0		77	63-136	24	20	*R6*
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
Acetone	27.2	10	ug/l	25.0	ND	109	10-150			*V1*
Benzene	19.8	0.50	ug/l	25.0	ND	79	70-130			
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Bromochloromethane	20.5	0.50	ug/l	25.0	ND	82	70-130			
Bromodichloromethane	20.6	0.50	ug/l	25.0	ND	83	70-130			
Bromoform	22.7	1.0	ug/l	25.0	ND	91	62-126			
Bromomethane	18.1	1.0	ug/l	25.0	ND	72	55-136			
2-Butanone (MEK)	23.7	2.5	ug/l	25.0	ND	95	22-150			
n-Butylbenzene	22.2	0.50	ug/l	25.0	ND	89	70-130			
sec-Butylbenzene	21.2	0.50	ug/l	25.0	ND	85	70-130			
tert-Butylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130			
Carbon disulfide	23.5	0.50	ug/l	25.0	ND	94	56-132			
Carbon tetrachloride	21.5	0.50	ug/l	25.0	ND	86	76-131			
Chlorobenzene	20.6	0.50	ug/l	25.0	ND	82	70-130			
Chloroethane	20.1	1.0	ug/l	25.0	ND	80	67-134			
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130			
Chloromethane	17.4	1.0	ug/l	25.0	ND	70	50-135			
2-Chlorotoluene	20.7	0.50	ug/l	25.0	ND	83	70-130			
4-Chlorotoluene	21.9	0.50	ug/l	25.0	ND	88	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dibromo-3-chloropropane	21.6	2.5	ug/l	25.0	ND	86	60-135			
1,2-Dibromoethane (EDB)	21.1	0.50	ug/l	25.0	ND	84	70-130			
Dibromomethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
1,2-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,3-Dichlorobenzene	21.3	0.50	ug/l	25.0	ND	85	70-130			
1,4-Dichlorobenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150			
1,1-Dichloroethane	21.6	0.50	ug/l	25.0	1.90	79	70-130			
1,2-Dichloroethane	20.4	0.50	ug/l	25.0	ND	81	68-143			
1,1-Dichloroethene	22.4	0.50	ug/l	25.0	2.71	79	70-130			
cis-1,2-Dichloroethene	21.4	0.50	ug/l	25.0	1.96	78	70-130			
trans-1,2-Dichloroethene	20.2	0.50	ug/l	25.0	ND	81	70-130			
1,2-Dichloropropane	21.2	0.50	ug/l	25.0	ND	85	70-130			
1,3-Dichloropropane	20.6	0.50	ug/l	25.0	ND	83	70-130			
2,2-Dichloropropane	19.9	1.0	ug/l	25.0	ND	79	66-130			

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
1,1-Dichloropropene	21.2	0.50	ug/l	25.0	ND	85	70-130			
cis-1,3-Dichloropropene	20.9	0.50	ug/l	25.0	ND	83	70-130			
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132			
Ethylbenzene	20.6	0.50	ug/l	25.0	ND	83	70-130			
Hexachlorobutadiene	23.0	1.0	ug/l	25.0	ND	92	66-129			
2-Hexanone	24.2	2.5	ug/l	25.0	ND	97	18-150			
Iodomethane	24.2	2.5	ug/l	25.0	ND	97	47-141			
Isopropylbenzene	23.2	0.50	ug/l	25.0	ND	93	78-137			
p-Isopropyltoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
Methylene Chloride	19.8	1.0	ug/l	25.0	ND	79	74-132			
4-Methyl-2-pentanone (MIBK)	23.1	2.5	ug/l	25.0	ND	92	56-145			
Methyl-tert-butyl Ether (MTBE)	19.9	0.50	ug/l	25.0	0.140	79	67-138			
Naphthalene	22.8	2.5	ug/l	25.0	ND	91	54-135			
n-Propylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Styrene	19.9	0.50	ug/l	25.0	ND	80	51-123			
1,1,1,2-Tetrachloroethane	20.9	0.50	ug/l	25.0	ND	84	70-130			
1,1,2,2-Tetrachloroethane	22.1	0.50	ug/l	25.0	ND	88	69-133			
Tetrachloroethene	21.2	0.50	ug/l	25.0	0.430	83	70-130			
Toluene	20.1	0.50	ug/l	25.0	ND	80	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	70-130			
1,2,4-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	66-126			
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0	ND	83	76-132			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0	ND	85	70-130			
Trichloroethene	28.0	0.50	ug/l	25.0	7.93	80	70-130			
Trichlorofluoromethane	23.9	0.50	ug/l	25.0	0.130	95	74-150			
1,2,3-Trichloropropane	22.1	1.0	ug/l	25.0	ND	88	70-130			
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3,5-Trimethylbenzene	21.8	0.50	ug/l	25.0	ND	87	61-138			
Vinyl Acetate	24.4	1.0	ug/l	25.0	ND	98	50-150			
Vinyl chloride	19.0	0.50	ug/l	25.0	ND	76	58-139			
Xylenes, Total	40.7	1.0	ug/l	50.0	ND	81	70-130			
Freon 113	19.4	2.0	ug/l	25.0	ND	78	56-148			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*94*	*70-130*			
Surrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			

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Project Manager

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
Acetone	25.0	10	ug/l	25.0	ND	100	10-150	8	35	*V1*
Benzene	19.9	0.50	ug/l	25.0	ND	80	70-130	0.4	20	
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	0.05	20	
Bromochloromethane	20.9	0.50	ug/l	25.0	ND	83	70-130	2	20	
Bromodichloromethane	20.8	0.50	ug/l	25.0	ND	83	70-130	0.8	20	
Bromoform	22.4	1.0	ug/l	25.0	ND	89	62-126	2	20	
Bromomethane	18.4	1.0	ug/l	25.0	ND	73	55-136	1	24	
2-Butanone (MEK)	23.1	2.5	ug/l	25.0	ND	92	22-150	2	31	
n-Butylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	1	20	
sec-Butylbenzene	21.1	0.50	ug/l	25.0	ND	84	70-130	0.6	20	
tert-Butylbenzene	21.0	0.50	ug/l	25.0	ND	84	70-130	2	20	
Carbon disulfide	23.0	0.50	ug/l	25.0	ND	92	56-132	2	20	
Carbon tetrachloride	21.0	0.50	ug/l	25.0	ND	84	76-131	2	20	
Chlorobenzene	20.4	0.50	ug/l	25.0	ND	82	70-130	0.9	20	
Chloroethane	19.9	1.0	ug/l	25.0	ND	80	67-134	0.7	20	
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130	0.05	20	
Chloromethane	18.1	1.0	ug/l	25.0	ND	72	50-135	4	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0	ND	83	70-130	0.3	20	
4-Chlorotoluene	21.6	0.50	ug/l	25.0	ND	86	70-130	1	20	
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130	0.09	20	
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0	ND	91	60-135	6	29	
1,2-Dibromoethane (EDB)	22.0	0.50	ug/l	25.0	ND	88	70-130	4	20	
Dibromomethane	21.4	0.50	ug/l	25.0	ND	86	70-130	0.5	20	
1,2-Dichlorobenzene	21.4	0.50	ug/l	25.0	ND	85	70-130	1	20	
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0	ND	84	70-130	2	20	
1,4-Dichlorobenzene	21.2	0.50	ug/l	25.0	ND	85	70-130	3	20	
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150	0.05	22	
1,1-Dichloroethane	21.7	0.50	ug/l	25.0	1.90	79	70-130	0.6	20	
1,2-Dichloroethane	20.3	0.50	ug/l	25.0	ND	81	68-143	0.2	20	
1,1-Dichloroethene	22.3	0.50	ug/l	25.0	2.71	78	70-130	0.7	20	
cis-1,2-Dichloroethene	21.1	0.50	ug/l	25.0	1.96	77	70-130	1	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0	ND	81	70-130	0.2	20	
1,2-Dichloropropane	20.8	0.50	ug/l	25.0	ND	83	70-130	2	20	
1,3-Dichloropropane	21.1	0.50	ug/l	25.0	ND	84	70-130	2	20	
2,2-Dichloropropane	19.5	1.0	ug/l	25.0	ND	78	66-130	2	20	

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
1,1-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	3	20	
cis-1,3-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	1	20	
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132	0.2	20	
Ethylbenzene	20.5	0.50	ug/l	25.0	ND	82	70-130	0.7	20	
Hexachlorobutadiene	21.9	1.0	ug/l	25.0	ND	88	66-129	5	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	24.5	2.5	ug/l	25.0	ND	98	47-141	0.9	29	
Isopropylbenzene	23.1	0.50	ug/l	25.0	ND	92	78-137	0.3	20	
p-Isopropyltoluene	21.8	0.50	ug/l	25.0	ND	87	70-130	2	20	
Methylene Chloride	20.2	1.0	ug/l	25.0	ND	81	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	22.9	2.5	ug/l	25.0	ND	92	56-145	0.9	26	
Methyl-tert-butyl Ether (MTBE)	20.3	0.50	ug/l	25.0	0.140	81	67-138	2	21	
Naphthalene	24.5	2.5	ug/l	25.0	ND	98	54-135	7	33	
n-Propylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	0.3	20	
Styrene	19.7	0.50	ug/l	25.0	ND	79	51-123	1	21	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0	ND	82	70-130	2	20	
1,1,2,2-Tetrachloroethane	22.5	0.50	ug/l	25.0	ND	90	69-133	2	20	
Tetrachloroethene	21.1	0.50	ug/l	25.0	0.430	83	70-130	0.5	20	
Toluene	20.1	0.50	ug/l	25.0	ND	81	70-130	0.3	20	
1,2,3-Trichlorobenzene	24.0	1.0	ug/l	25.0	ND	96	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	66-126	3	20	
1,1,1-Trichloroethane	20.4	0.50	ug/l	25.0	ND	82	76-132	1	20	
1,1,2-Trichloroethane	21.3	0.50	ug/l	25.0	ND	85	70-130	0.3	20	
Trichloroethene	28.2	0.50	ug/l	25.0	7.93	81	70-130	0.4	20	
Trichlorofluoromethane	23.6	0.50	ug/l	25.0	0.130	94	74-150	1	20	
1,2,3-Trichloropropane	22.5	1.0	ug/l	25.0	ND	90	70-130	2	20	
1,2,4-Trimethylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130	0.7	20	
1,3,5-Trimethylbenzene	21.2	0.50	ug/l	25.0	ND	85	61-138	3	33	
Vinyl Acetate	24.1	1.0	ug/l	25.0	ND	96	50-150	1	23	
Vinyl chloride	19.2	0.50	ug/l	25.0	ND	77	58-139	1	21	
Xylenes, Total	40.4	1.0	ug/l	50.0	ND	81	70-130	0.9	20	
Freon 113	19.2	2.0	ug/l	25.0	ND	77	56-148	1	22	
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0675 Extracted: 03/17/11										
Blank Analyzed: 03/18/2011 (11C0675-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.8*		*ug/l*	*20.0*		*74*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.2*		*ug/l*	*20.0*		*81*	*30-130*			
LCS Analyzed: 03/18/2011 (11C0675-BS1)										**Q8**
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115			
Surrogate: 1,4-Dioxane-d8	*17.5*		*ug/l*	*20.0*		*88*	*30-105*			
Surrogate: Nitrobenzene-d5	*19.6*		*ug/l*	*20.0*		*98*	*35-140*			
LCS Dup Analyzed: 03/18/2011 (11C0675-BSD1)										**Q8**
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115	0	20	
Surrogate: 1,4-Dioxane-d8	*14.1*		*ug/l*	*20.0*		*71*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.9*		*ug/l*	*20.0*		*85*	*35-140*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
S4	Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1114

Sampled: 03/16/11
Received: 03/16/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Kylie Emily
Project Manager

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TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[ ] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

Client Name/Address: ERM
7272 E. Indian School Rd.
Scottsdale, AZ 85251

Project/PO Number: 0096498.009

Project Manager: Jason Hilker
Send Report to: Jason.Hilker@ERM.com

Phone Number: 480-998-2401

Fax Number: 480-998-2106

Sampler: Adam Nagle

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane only (8270C)								Special Instructions
003-5SR-S-031611	W	40mL / 1L	3 / 2	3/16/11	1023	HCl / -	x	x								PUC 1114 - 01
003-5DR-D-031611	↓	↓	↓	↓	1220	↓	↓	↓								- 02
003-5M2-M-031611	↓	↓	↓	↓	1530	↓	↓	↓								- 03
GW-EB7-031611	↓	↓	↓	↓	1531	↓	↓	↓								- 04
GW-L1-8-031611	↓	40mL	1	↓	-	HCl	↓							-	05	TRIP BLANK (VOC only)

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)
[signature] / ERM	3/16/11 1630			same day ____ 72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____ 5 days ____
				48 hours ____ normal ✓
Relinquished By:	Date/Time:	Received in Lab By: [signature]	Date/Time: 3-16-11 1630	Sample Integrity: (Check) intact ____ on ice ✓

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

3.2°

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THE LEADER IN ENVIRONMENTAL TESTING

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LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.009

Sampled: 03/16/11
Received: 03/16/11
Issued: 03/24/11 08:47

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC1113-01	OU3-5MR-M-031611	Water

SAMPLE RECEIPT: Samples were received intact, at 3°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1113-01 (OU3-5MR-M-031611 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**0.97**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	**5.1**	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	**7.0**	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	**10**	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1113-01 (OU3-5MR-M-031611 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	**2.3**	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	**50**	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*95 %*				
Surrogate: Toluene-d8 (70-130%)				*91 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*89 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1113-01 (OU3-5MR-M-031611 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	**2.3**	1	3/17/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*67 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*78 %*				

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
Acetone	ND	10	ug/l							*V1*
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.0*		*ug/l*	*25.0*		*88*	*70-130*			

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
Acetone	30.6	10	ug/l	25.0		122	30-150			*V1*
Benzene	20.1	0.50	ug/l	25.0		81	70-130			
Bromobenzene	21.1	0.50	ug/l	25.0		85	70-130			
Bromochloromethane	20.9	0.50	ug/l	25.0		84	70-130			
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130			
Bromoform	22.1	1.0	ug/l	25.0		89	67-122			
Bromomethane	20.8	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0		103	48-150			
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130			
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
tert-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
Carbon disulfide	29.0	0.50	ug/l	25.0		116	61-126			
Carbon tetrachloride	21.4	0.50	ug/l	25.0		86	70-130			
Chlorobenzene	20.7	0.50	ug/l	25.0		83	70-130			
Chloroethane	21.3	1.0	ug/l	25.0		85	69-128			
Chloroform	20.2	0.50	ug/l	25.0		81	70-130			
Chloromethane	17.5	1.0	ug/l	25.0		70	56-131			
2-Chlorotoluene	20.4	0.50	ug/l	25.0		82	70-130			
4-Chlorotoluene	21.3	0.50	ug/l	25.0		85	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	21.4	2.5	ug/l	25.0		86	63-129			
1,2-Dibromoethane (EDB)	21.3	0.50	ug/l	25.0		85	70-130			
Dibromomethane	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichlorobenzene	20.8	0.50	ug/l	25.0		83	70-130			
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0		84	70-130			
1,4-Dichlorobenzene	20.9	0.50	ug/l	25.0		83	70-130			
Dichlorodifluoromethane	20.6	0.50	ug/l	25.0		82	42-150			
1,1-Dichloroethane	20.6	0.50	ug/l	25.0		82	70-130			
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133			
1,1-Dichloroethene	25.7	0.50	ug/l	25.0		103	70-130			
cis-1,2-Dichloroethene	19.9	0.50	ug/l	25.0		79	70-130			
trans-1,2-Dichloroethene	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichloropropane	20.7	0.50	ug/l	25.0		83	70-130			
1,3-Dichloropropane	20.9	0.50	ug/l	25.0		84	70-130			
2,2-Dichloropropane	21.0	1.0	ug/l	25.0		84	70-130			

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
1,1-Dichloropropene	21.0	0.50	ug/l	25.0		84	70-130			
cis-1,3-Dichloropropene	21.4	0.50	ug/l	25.0		86	70-130			
trans-1,3-Dichloropropene	22.4	0.50	ug/l	25.0		89	70-130			
Ethylbenzene	20.7	0.50	ug/l	25.0		83	70-130			
Hexachlorobutadiene	22.0	1.0	ug/l	25.0		88	70-130			
2-Hexanone	24.6	2.5	ug/l	25.0		98	44-150			
Iodomethane	38.3	2.5	ug/l	25.0		153	58-138			*L3*
Isopropylbenzene	22.9	0.50	ug/l	25.0		92	70-130			
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130			
Methylene Chloride	24.7	1.0	ug/l	25.0		99	70-130			
4-Methyl-2-pentanone (MIBK)	23.5	2.5	ug/l	25.0		94	61-142			
Methyl-tert-butyl Ether (MTBE)	20.0	0.50	ug/l	25.0		80	70-130			
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129			
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130			
Styrene	21.6	0.50	ug/l	25.0		86	70-130			
1,1,1,2-Tetrachloroethane	20.8	0.50	ug/l	25.0		83	70-130			
1,1,2,2-Tetrachloroethane	21.4	0.50	ug/l	25.0		86	70-130			
Tetrachloroethene	20.8	0.50	ug/l	25.0		83	70-130			
Toluene	20.2	0.50	ug/l	25.0		81	70-130			
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,2,4-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,1,1-Trichloroethane	20.9	0.50	ug/l	25.0		84	70-130			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
Trichloroethene	20.7	0.50	ug/l	25.0		83	70-130			
Trichlorofluoromethane	23.8	0.50	ug/l	25.0		95	78-149			
1,2,3-Trichloropropane	21.8	1.0	ug/l	25.0		87	70-130			
1,2,4-Trimethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
1,3,5-Trimethylbenzene	21.4	0.50	ug/l	25.0		86	70-130			
Vinyl Acetate	26.4	1.0	ug/l	25.0		105	57-149			
Vinyl chloride	21.0	0.50	ug/l	25.0		84	66-134			
Xylenes, Total	41.1	1.0	ug/l	50.0		82	70-130			
Freon 113	24.5	2.0	ug/l	25.0		98	63-136			
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
Acetone	28.4	10	ug/l	25.0		113	30-150	7	35	*V1*
Benzene	20.0	0.50	ug/l	25.0		80	70-130	0.7	20	
Bromobenzene	22.0	0.50	ug/l	25.0		88	70-130	4	20	
Bromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	0.5	20	
Bromodichloromethane	21.0	0.50	ug/l	25.0		84	70-130	0.9	20	
Bromoform	23.0	1.0	ug/l	25.0		92	67-122	4	20	
Bromomethane	18.3	1.0	ug/l	25.0		73	64-132	13	20	
2-Butanone (MEK)	23.3	2.5	ug/l	25.0		93	48-150	9	33	
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130	0.3	20	
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130	0.1	20	
tert-Butylbenzene	21.3	0.50	ug/l	25.0		85	70-130	1	20	
Carbon disulfide	23.5	0.50	ug/l	25.0		94	61-126	21	20	*R6*
Carbon tetrachloride	21.2	0.50	ug/l	25.0		85	70-130	1	20	
Chlorobenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Chloroethane	19.9	1.0	ug/l	25.0		79	69-128	7	20	
Chloroform	19.6	0.50	ug/l	25.0		78	70-130	3	20	
Chloromethane	16.5	1.0	ug/l	25.0		66	56-131	6	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0		82	70-130	0.8	20	
4-Chlorotoluene	21.4	0.50	ug/l	25.0		86	70-130	0.5	20	
Dibromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	4	20	
1,2-Dibromo-3-chloropropane	22.4	2.5	ug/l	25.0		90	63-129	4	25	
1,2-Dibromoethane (EDB)	20.8	0.50	ug/l	25.0		83	70-130	2	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	3	20	
1,2-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	2	20	
1,3-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	1	20	
1,4-Dichlorobenzene	21.4	0.50	ug/l	25.0		85	70-130	2	20	
Dichlorodifluoromethane	19.2	0.50	ug/l	25.0		77	42-150	7	20	
1,1-Dichloroethane	20.0	0.50	ug/l	25.0		80	70-130	3	20	
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133	3	20	
1,1-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130	25	20	*R6*
cis-1,2-Dichloroethene	19.5	0.50	ug/l	25.0		78	70-130	2	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0		81	70-130	4	20	
1,2-Dichloropropane	21.0	0.50	ug/l	25.0		84	70-130	1	20	
1,3-Dichloropropane	20.8	0.50	ug/l	25.0		83	70-130	0.2	20	
2,2-Dichloropropane	20.3	1.0	ug/l	25.0		81	70-130	3	20	

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
1,1-Dichloropropene	20.9	0.50	ug/l	25.0		84	70-130	0.5	20	
cis-1,3-Dichloropropene	21.2	0.50	ug/l	25.0		85	70-130	0.9	20	
trans-1,3-Dichloropropene	21.7	0.50	ug/l	25.0		87	70-130	3	20	
Ethylbenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Hexachlorobutadiene	22.4	1.0	ug/l	25.0		90	70-130	2	20	
2-Hexanone	23.2	2.5	ug/l	25.0		93	44-150	6	31	
Iodomethane	24.8	2.5	ug/l	25.0		99	58-138	43	25	*R1*
Isopropylbenzene	23.3	0.50	ug/l	25.0		93	70-130	2	20	
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130	0.05	20	
Methylene Chloride	19.9	1.0	ug/l	25.0		80	70-130	22	20	*R6*
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0		94	61-142	0.4	22	
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0		80	70-130	0.3	20	
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129	0.1	20	
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Styrene	21.4	0.50	ug/l	25.0		86	70-130	0.9	20	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0		82	70-130	2	20	
1,1,2,2-Tetrachloroethane	21.9	0.50	ug/l	25.0		88	70-130	2	20	
Tetrachloroethene	20.3	0.50	ug/l	25.0		81	70-130	2	20	
Toluene	20.1	0.50	ug/l	25.0		80	70-130	0.8	20	
1,2,3-Trichlorobenzene	23.3	1.0	ug/l	25.0		93	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0		97	70-130	2	20	
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0		83	70-130	1	20	
1,1,2-Trichloroethane	20.6	0.50	ug/l	25.0		82	70-130	3	20	
Trichloroethene	20.2	0.50	ug/l	25.0		81	70-130	3	20	
Trichlorofluoromethane	22.6	0.50	ug/l	25.0		90	78-149	5	20	
1,2,3-Trichloropropane	22.6	1.0	ug/l	25.0		90	70-130	4	20	
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0		87	70-130	1	20	
1,3,5-Trimethylbenzene	21.5	0.50	ug/l	25.0		86	70-130	0.3	20	
Vinyl Acetate	26.1	1.0	ug/l	25.0		104	57-149	1	21	
Vinyl chloride	19.3	0.50	ug/l	25.0		77	66-134	9	20	
Xylenes, Total	39.6	1.0	ug/l	50.0		79	70-130	3	20	
Freon 113	19.3	2.0	ug/l	25.0		77	63-136	24	20	*R6*
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
Acetone	27.2	10	ug/l	25.0	ND	109	10-150			*V1*
Benzene	19.8	0.50	ug/l	25.0	ND	79	70-130			
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Bromochloromethane	20.5	0.50	ug/l	25.0	ND	82	70-130			
Bromodichloromethane	20.6	0.50	ug/l	25.0	ND	83	70-130			
Bromoform	22.7	1.0	ug/l	25.0	ND	91	62-126			
Bromomethane	18.1	1.0	ug/l	25.0	ND	72	55-136			
2-Butanone (MEK)	23.7	2.5	ug/l	25.0	ND	95	22-150			
n-Butylbenzene	22.2	0.50	ug/l	25.0	ND	89	70-130			
sec-Butylbenzene	21.2	0.50	ug/l	25.0	ND	85	70-130			
tert-Butylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130			
Carbon disulfide	23.5	0.50	ug/l	25.0	ND	94	56-132			
Carbon tetrachloride	21.5	0.50	ug/l	25.0	ND	86	76-131			
Chlorobenzene	20.6	0.50	ug/l	25.0	ND	82	70-130			
Chloroethane	20.1	1.0	ug/l	25.0	ND	80	67-134			
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130			
Chloromethane	17.4	1.0	ug/l	25.0	ND	70	50-135			
2-Chlorotoluene	20.7	0.50	ug/l	25.0	ND	83	70-130			
4-Chlorotoluene	21.9	0.50	ug/l	25.0	ND	88	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dibromo-3-chloropropane	21.6	2.5	ug/l	25.0	ND	86	60-135			
1,2-Dibromoethane (EDB)	21.1	0.50	ug/l	25.0	ND	84	70-130			
Dibromomethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
1,2-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,3-Dichlorobenzene	21.3	0.50	ug/l	25.0	ND	85	70-130			
1,4-Dichlorobenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150			
1,1-Dichloroethane	21.6	0.50	ug/l	25.0	1.90	79	70-130			
1,2-Dichloroethane	20.4	0.50	ug/l	25.0	ND	81	68-143			
1,1-Dichloroethene	22.4	0.50	ug/l	25.0	2.71	79	70-130			
cis-1,2-Dichloroethene	21.4	0.50	ug/l	25.0	1.96	78	70-130			
trans-1,2-Dichloroethene	20.2	0.50	ug/l	25.0	ND	81	70-130			
1,2-Dichloropropane	21.2	0.50	ug/l	25.0	ND	85	70-130			
1,3-Dichloropropane	20.6	0.50	ug/l	25.0	ND	83	70-130			
2,2-Dichloropropane	19.9	1.0	ug/l	25.0	ND	79	66-130			

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Environmental Resources Management Inc.-West
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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
1,1-Dichloropropene	21.2	0.50	ug/l	25.0	ND	85	70-130			
cis-1,3-Dichloropropene	20.9	0.50	ug/l	25.0	ND	83	70-130			
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132			
Ethylbenzene	20.6	0.50	ug/l	25.0	ND	83	70-130			
Hexachlorobutadiene	23.0	1.0	ug/l	25.0	ND	92	66-129			
2-Hexanone	24.2	2.5	ug/l	25.0	ND	97	18-150			
Iodomethane	24.2	2.5	ug/l	25.0	ND	97	47-141			
Isopropylbenzene	23.2	0.50	ug/l	25.0	ND	93	78-137			
p-Isopropyltoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
Methylene Chloride	19.8	1.0	ug/l	25.0	ND	79	74-132			
4-Methyl-2-pentanone (MIBK)	23.1	2.5	ug/l	25.0	ND	92	56-145			
Methyl-tert-butyl Ether (MTBE)	19.9	0.50	ug/l	25.0	0.140	79	67-138			
Naphthalene	22.8	2.5	ug/l	25.0	ND	91	54-135			
n-Propylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Styrene	19.9	0.50	ug/l	25.0	ND	80	51-123			
1,1,1,2-Tetrachloroethane	20.9	0.50	ug/l	25.0	ND	84	70-130			
1,1,2,2-Tetrachloroethane	22.1	0.50	ug/l	25.0	ND	88	69-133			
Tetrachloroethene	21.2	0.50	ug/l	25.0	0.430	83	70-130			
Toluene	20.1	0.50	ug/l	25.0	ND	80	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	70-130			
1,2,4-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	66-126			
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0	ND	83	76-132			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0	ND	85	70-130			
Trichloroethene	28.0	0.50	ug/l	25.0	7.93	80	70-130			
Trichlorofluoromethane	23.9	0.50	ug/l	25.0	0.130	95	74-150			
1,2,3-Trichloropropane	22.1	1.0	ug/l	25.0	ND	88	70-130			
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3,5-Trimethylbenzene	21.8	0.50	ug/l	25.0	ND	87	61-138			
Vinyl Acetate	24.4	1.0	ug/l	25.0	ND	98	50-150			
Vinyl chloride	19.0	0.50	ug/l	25.0	ND	76	58-139			
Xylenes, Total	40.7	1.0	ug/l	50.0	ND	81	70-130			
Freon 113	19.4	2.0	ug/l	25.0	ND	78	56-148			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*94*	*70-130*			
Surrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
Acetone	25.0	10	ug/l	25.0	ND	100	10-150	8	35	*V1*
Benzene	19.9	0.50	ug/l	25.0	ND	80	70-130	0.4	20	
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	0.05	20	
Bromochloromethane	20.9	0.50	ug/l	25.0	ND	83	70-130	2	20	
Bromodichloromethane	20.8	0.50	ug/l	25.0	ND	83	70-130	0.8	20	
Bromoform	22.4	1.0	ug/l	25.0	ND	89	62-126	2	20	
Bromomethane	18.4	1.0	ug/l	25.0	ND	73	55-136	1	24	
2-Butanone (MEK)	23.1	2.5	ug/l	25.0	ND	92	22-150	2	31	
n-Butylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	1	20	
sec-Butylbenzene	21.1	0.50	ug/l	25.0	ND	84	70-130	0.6	20	
tert-Butylbenzene	21.0	0.50	ug/l	25.0	ND	84	70-130	2	20	
Carbon disulfide	23.0	0.50	ug/l	25.0	ND	92	56-132	2	20	
Carbon tetrachloride	21.0	0.50	ug/l	25.0	ND	84	76-131	2	20	
Chlorobenzene	20.4	0.50	ug/l	25.0	ND	82	70-130	0.9	20	
Chloroethane	19.9	1.0	ug/l	25.0	ND	80	67-134	0.7	20	
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130	0.05	20	
Chloromethane	18.1	1.0	ug/l	25.0	ND	72	50-135	4	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0	ND	83	70-130	0.3	20	
4-Chlorotoluene	21.6	0.50	ug/l	25.0	ND	86	70-130	1	20	
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130	0.09	20	
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0	ND	91	60-135	6	29	
1,2-Dibromoethane (EDB)	22.0	0.50	ug/l	25.0	ND	88	70-130	4	20	
Dibromomethane	21.4	0.50	ug/l	25.0	ND	86	70-130	0.5	20	
1,2-Dichlorobenzene	21.4	0.50	ug/l	25.0	ND	85	70-130	1	20	
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0	ND	84	70-130	2	20	
1,4-Dichlorobenzene	21.2	0.50	ug/l	25.0	ND	85	70-130	3	20	
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150	0.05	22	
1,1-Dichloroethane	21.7	0.50	ug/l	25.0	1.90	79	70-130	0.6	20	
1,2-Dichloroethane	20.3	0.50	ug/l	25.0	ND	81	68-143	0.2	20	
1,1-Dichloroethene	22.3	0.50	ug/l	25.0	2.71	78	70-130	0.7	20	
cis-1,2-Dichloroethene	21.1	0.50	ug/l	25.0	1.96	77	70-130	1	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0	ND	81	70-130	0.2	20	
1,2-Dichloropropane	20.8	0.50	ug/l	25.0	ND	83	70-130	2	20	
1,3-Dichloropropane	21.1	0.50	ug/l	25.0	ND	84	70-130	2	20	
2,2-Dichloropropane	19.5	1.0	ug/l	25.0	ND	78	66-130	2	20	

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
1,1-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	3	20	
cis-1,3-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	1	20	
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132	0.2	20	
Ethylbenzene	20.5	0.50	ug/l	25.0	ND	82	70-130	0.7	20	
Hexachlorobutadiene	21.9	1.0	ug/l	25.0	ND	88	66-129	5	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	24.5	2.5	ug/l	25.0	ND	98	47-141	0.9	29	
Isopropylbenzene	23.1	0.50	ug/l	25.0	ND	92	78-137	0.3	20	
p-Isopropyltoluene	21.8	0.50	ug/l	25.0	ND	87	70-130	2	20	
Methylene Chloride	20.2	1.0	ug/l	25.0	ND	81	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	22.9	2.5	ug/l	25.0	ND	92	56-145	0.9	26	
Methyl-tert-butyl Ether (MTBE)	20.3	0.50	ug/l	25.0	0.140	81	67-138	2	21	
Naphthalene	24.5	2.5	ug/l	25.0	ND	98	54-135	7	33	
n-Propylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	0.3	20	
Styrene	19.7	0.50	ug/l	25.0	ND	79	51-123	1	21	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0	ND	82	70-130	2	20	
1,1,2,2-Tetrachloroethane	22.5	0.50	ug/l	25.0	ND	90	69-133	2	20	
Tetrachloroethene	21.1	0.50	ug/l	25.0	0.430	83	70-130	0.5	20	
Toluene	20.1	0.50	ug/l	25.0	ND	81	70-130	0.3	20	
1,2,3-Trichlorobenzene	24.0	1.0	ug/l	25.0	ND	96	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	66-126	3	20	
1,1,1-Trichloroethane	20.4	0.50	ug/l	25.0	ND	82	76-132	1	20	
1,1,2-Trichloroethane	21.3	0.50	ug/l	25.0	ND	85	70-130	0.3	20	
Trichloroethene	28.2	0.50	ug/l	25.0	7.93	81	70-130	0.4	20	
Trichlorofluoromethane	23.6	0.50	ug/l	25.0	0.130	94	74-150	1	20	
1,2,3-Trichloropropane	22.5	1.0	ug/l	25.0	ND	90	70-130	2	20	
1,2,4-Trimethylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130	0.7	20	
1,3,5-Trimethylbenzene	21.2	0.50	ug/l	25.0	ND	85	61-138	3	33	
Vinyl Acetate	24.1	1.0	ug/l	25.0	ND	96	50-150	1	23	
Vinyl chloride	19.2	0.50	ug/l	25.0	ND	77	58-139	1	21	
Xylenes, Total	40.4	1.0	ug/l	50.0	ND	81	70-130	0.9	20	
Freon 113	19.2	2.0	ug/l	25.0	ND	77	56-148	1	22	
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			

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Kylie Emily
Project Manager

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7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0675 Extracted: 03/17/11										
Blank Analyzed: 03/18/2011 (11C0675-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.8*		*ug/l*	*20.0*		*74*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.2*		*ug/l*	*20.0*		*81*	*30-130*			
LCS Analyzed: 03/18/2011 (11C0675-BS1)										**Q8**
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115			
Surrogate: 1,4-Dioxane-d8	*17.5*		*ug/l*	*20.0*		*88*	*30-105*			
Surrogate: Nitrobenzene-d5	*19.6*		*ug/l*	*20.0*		*98*	*35-140*			
LCS Dup Analyzed: 03/18/2011 (11C0675-BSD1)										**Q8**
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115	0	20	
Surrogate: 1,4-Dioxane-d8	*14.1*		*ug/l*	*20.0*		*71*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.9*		*ug/l*	*20.0*		*85*	*35-140*			

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1113

Sampled: 03/16/11
Received: 03/16/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[ ] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

Client Name/Address: ERM
7272 E. Indian Scool Rd
Scottsdale, Az 85251

Project/PO Number: 0096498.009

Project Manager: Jason Hilker
Send Report to: Jason.Hilker@ERM.com
Sampler: Adam Nagle

Phone Number: 480-998-2401
Fax Number: 480-998-2106

Analysis Required: VOC (8260B); 1,4-Dioxane (8270C) only; PUC 1113-01

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane (8270C) only								Special Instructions
OU3-SMR-M-031611	W	40mL / 1L	3 / 2	3/16/11	0946	HCl / -	X	X								LEVEL 3

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)
ERM / ERM	3/16/11 1630			same day ____ 72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____ 5 days ____
				48 hours ____ normal ✓
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time:	Sample Integrity: (Check)
		[signature]	3-16-11 1630	intact ____ on ice ✓

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

3,2'

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.009

Sampled: 03/17/11
Received: 03/17/11
Issued: 03/25/11 08:21

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC1197-01	OU3-13D-D-031711	Water
PUC1197-02	OU3-13M-M-031711	Water
PUC1197-03	OU3-13M-M-031711-Q1	Water
PUC1197-04	EW-20-S-031711	Water
PUC1197-05	GW-EB8-S-031711	Water
PUC1197-06	GW-L1-9-031711	Water

SAMPLE RECEIPT: Samples were received intact, at 1°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1197-01 (OU3-13D-D-031711 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0849	10	ND	1	3/23/2011	3/23/2011	V1
Benzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromodichloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromoform	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Bromomethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Butanone (MEK)	EPA 8260B	11C0849	2.5	**2.5**	1	3/23/2011	3/23/2011	
n-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
sec-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
tert-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon disulfide	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon tetrachloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloroethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Chloroform	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloromethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
4-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromomethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dichlorodifluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
2,2-Dichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Ethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Hexachlorobutadiene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1197-01 (OU3-13D-D-031711 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Iodomethane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Isopropylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
p-Isopropyltoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Methylene Chloride	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Naphthalene	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Propylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Styrene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Tetrachloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Toluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichlorofluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Vinyl Acetate	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Vinyl chloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Xylenes, Total	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Freon 113	EPA 8260B	11C0849	2.0	ND	1	3/23/2011	3/23/2011	
Surrogate: Dibromofluoromethane (70-130%)				*93 %*				
Surrogate: Toluene-d8 (70-130%)				*89 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*88 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1197-02 (OU3-13M-M-031711 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0849	10	ND	1	3/23/2011	3/23/2011	V1
Benzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromodichloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromoform	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Bromomethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Butanone (MEK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
sec-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
tert-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon disulfide	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon tetrachloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloroethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Chloroform	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloromethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
4-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromomethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dichlorodifluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	**2.4**	1	3/23/2011	3/23/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
2,2-Dichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Ethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Hexachlorobutadiene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1197-02 (OU3-13M-M-031711 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Iodomethane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Isopropylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
p-Isopropyltoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Methylene Chloride	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Naphthalene	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Propylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Styrene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Tetrachloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Toluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichloroethene	EPA 8260B	11C0849	0.50	**25**	1	3/23/2011	3/23/2011	
Trichlorofluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Vinyl Acetate	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Vinyl chloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Xylenes, Total	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Freon 113	EPA 8260B	11C0849	2.0	ND	1	3/23/2011	3/23/2011	
Surrogate: Dibromofluoromethane (70-130%)				*96 %*				
Surrogate: Toluene-d8 (70-130%)				*89 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*88 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1197-03 (OU3-13M-M-031711-Q1 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0849	10	ND	1	3/23/2011	3/23/2011	V1
Benzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromodichloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromoform	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Bromomethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Butanone (MEK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
sec-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
tert-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon disulfide	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon tetrachloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloroethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Chloroform	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloromethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
4-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromomethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dichlorodifluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	**2.4**	1	3/23/2011	3/23/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
2,2-Dichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Ethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Hexachlorobutadiene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	

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Kylie Emily
Project Manager

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1197-03 (OU3-13M-M-031711-Q1 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Iodomethane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Isopropylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
p-Isopropyltoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Methylene Chloride	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Naphthalene	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Propylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Styrene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Tetrachloroethene	EPA 8260B	11C0849	0.50	**0.55**	1	3/23/2011	3/23/2011	
Toluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichloroethene	EPA 8260B	11C0849	0.50	**24**	1	3/23/2011	3/23/2011	
Trichlorofluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Vinyl Acetate	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Vinyl chloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Xylenes, Total	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Freon 113	EPA 8260B	11C0849	2.0	ND	1	3/23/2011	3/23/2011	
Surrogate: Dibromofluoromethane (70-130%)				*93 %*				
Surrogate: Toluene-d8 (70-130%)				*91 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*88 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1197-04 (EW-20-S-031711 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0849	10	ND	1	3/23/2011	3/23/2011	V1
Benzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromodichloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromoform	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Bromomethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Butanone (MEK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
sec-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
tert-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon disulfide	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon tetrachloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloroethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Chloroform	EPA 8260B	11C0849	0.50	**1.0**	1	3/23/2011	3/23/2011	
Chloromethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
4-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromomethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dichlorodifluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethane	EPA 8260B	11C0849	0.50	**3.1**	1	3/23/2011	3/23/2011	
1,2-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethene	EPA 8260B	11C0849	0.50	**3.2**	1	3/23/2011	3/23/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	**5.0**	1	3/23/2011	3/23/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
2,2-Dichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Ethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Hexachlorobutadiene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	

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Sampled: 03/17/11
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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1197-04 (EW-20-S-031711 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Iodomethane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Isopropylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
p-Isopropyltoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Methylene Chloride	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Naphthalene	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Propylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Styrene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Tetrachloroethene	EPA 8260B	11C0849	0.50	**1.0**	1	3/23/2011	3/23/2011	
Toluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichloroethene	EPA 8260B	11C0849	0.50	**22**	1	3/23/2011	3/23/2011	
Trichlorofluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Vinyl Acetate	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Vinyl chloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Xylenes, Total	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Freon 113	EPA 8260B	11C0849	2.0	ND	1	3/23/2011	3/23/2011	
Surrogate: Dibromofluoromethane (70-130%)				*93 %*				
Surrogate: Toluene-d8 (70-130%)				*91 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*89 %*				

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Project Manager

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Sampled: 03/17/11
Received: 03/17/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1197-05 (GW-EB8-S-031711 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0849	10	ND	1	3/23/2011	3/23/2011	V1
Benzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromodichloromethane	EPA 8260B	11C0849	0.50	**3.2**	1	3/23/2011	3/23/2011	
Bromoform	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Bromomethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Butanone (MEK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
sec-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
tert-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon disulfide	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon tetrachloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloroethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Chloroform	EPA 8260B	11C0849	0.50	**4.9**	1	3/23/2011	3/23/2011	
Chloromethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
4-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromochloromethane	EPA 8260B	11C0849	0.50	**1.2**	1	3/23/2011	3/23/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromomethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dichlorodifluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
2,2-Dichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Ethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Hexachlorobutadiene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1197-05 (GW-EB8-S-031711 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Iodomethane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Isopropylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
p-Isopropyltoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Methylene Chloride	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Naphthalene	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Propylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Styrene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Tetrachloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Toluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichlorofluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Vinyl Acetate	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Vinyl chloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Xylenes, Total	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Freon 113	EPA 8260B	11C0849	2.0	ND	1	3/23/2011	3/23/2011	
Surrogate: Dibromofluoromethane (70-130%)				*90 %*				
Surrogate: Toluene-d8 (70-130%)				*90 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*87 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1197-06 (GW-L1-9-031711 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0849	10	ND	1	3/23/2011	3/23/2011	V1
Benzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromodichloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Bromoform	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Bromomethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Butanone (MEK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
sec-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
tert-Butylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon disulfide	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Carbon tetrachloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloroethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Chloroform	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Chloromethane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
2-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
4-Chlorotoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromochloromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dibromomethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Dichlorodifluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3-Dichloropropane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
2,2-Dichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Ethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Hexachlorobutadiene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1197-06 (GW-L1-9-031711 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Iodomethane	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Isopropylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
p-Isopropyltoluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Methylene Chloride	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Naphthalene	EPA 8260B	11C0849	2.5	ND	1	3/23/2011	3/23/2011	
n-Propylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Styrene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Tetrachloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Toluene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichloroethene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Trichlorofluoromethane	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Vinyl Acetate	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Vinyl chloride	EPA 8260B	11C0849	0.50	ND	1	3/23/2011	3/23/2011	
Xylenes, Total	EPA 8260B	11C0849	1.0	ND	1	3/23/2011	3/23/2011	
Freon 113	EPA 8260B	11C0849	2.0	ND	1	3/23/2011	3/23/2011	
Surrogate: Dibromofluoromethane (70-130%)				*97 %*				
Surrogate: Toluene-d8 (70-130%)				*90 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*89 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1197-01 (OU3-13D-D-031711 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	ND	1	3/17/2011	3/19/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*73 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*81 %*				
Sample ID: PUC1197-02 (OU3-13M-M-031711 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	ND	1	3/17/2011	3/19/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*64 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*73 %*				
Sample ID: PUC1197-03 (OU3-13M-M-031711-Q1 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	ND	1	3/17/2011	3/19/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*62 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*71 %*				
Sample ID: PUC1197-04 (EW-20-S-031711 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	**1.7**	1	3/17/2011	3/19/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*66 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*73 %*				
Sample ID: PUC1197-05 (GW-EB8-S-031711 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	ND	1	3/17/2011	3/19/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*63 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*73 %*				

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Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0849 Extracted: 03/23/11										
Blank Analyzed: 03/23/2011 (11C0849-BLK1)										
Acetone	ND	10	ug/l							*V1*
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Kylie Emily
Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0849 Extracted: 03/23/11										
Blank Analyzed: 03/23/2011 (11C0849-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*94*	*70-130*			
Surrogate: Toluene-d8	*22.5*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0849 Extracted: 03/23/11										
LCS Analyzed: 03/23/2011 (11C0849-BS1)										
Acetone	36.9	10	ug/l	25.0		148	30-150			*V1*
Benzene	19.8	0.50	ug/l	25.0		79	70-130			
Bromobenzene	21.4	0.50	ug/l	25.0		86	70-130			
Bromochloromethane	21.3	0.50	ug/l	25.0		85	70-130			
Bromodichloromethane	20.6	0.50	ug/l	25.0		82	70-130			
Bromoform	22.5	1.0	ug/l	25.0		90	67-122			
Bromomethane	23.1	1.0	ug/l	25.0		92	64-132			
2-Butanone (MEK)	25.8	2.5	ug/l	25.0		103	48-150			
n-Butylbenzene	22.7	0.50	ug/l	25.0		91	70-130			
sec-Butylbenzene	21.4	0.50	ug/l	25.0		86	70-130			
tert-Butylbenzene	21.8	0.50	ug/l	25.0		87	70-130			
Carbon disulfide	23.9	0.50	ug/l	25.0		96	61-126			
Carbon tetrachloride	20.9	0.50	ug/l	25.0		84	70-130			
Chlorobenzene	21.0	0.50	ug/l	25.0		84	70-130			
Chloroethane	24.2	1.0	ug/l	25.0		97	69-128			
Chloroform	20.4	0.50	ug/l	25.0		81	70-130			
Chloromethane	17.4	1.0	ug/l	25.0		70	56-131			
2-Chlorotoluene	20.9	0.50	ug/l	25.0		84	70-130			
4-Chlorotoluene	21.8	0.50	ug/l	25.0		87	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	22.5	2.5	ug/l	25.0		90	63-129			
1,2-Dibromoethane (EDB)	21.6	0.50	ug/l	25.0		87	70-130			
Dibromomethane	21.0	0.50	ug/l	25.0		84	70-130			
1,2-Dichlorobenzene	21.4	0.50	ug/l	25.0		85	70-130			
1,3-Dichlorobenzene	21.6	0.50	ug/l	25.0		86	70-130			
1,4-Dichlorobenzene	21.3	0.50	ug/l	25.0		85	70-130			
Dichlorodifluoromethane	19.5	0.50	ug/l	25.0		78	42-150			
1,1-Dichloroethane	20.8	0.50	ug/l	25.0		83	70-130			
1,2-Dichloroethane	21.3	0.50	ug/l	25.0		85	72-133			
1,1-Dichloroethene	23.9	0.50	ug/l	25.0		96	70-130			
cis-1,2-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130			
trans-1,2-Dichloroethene	21.0	0.50	ug/l	25.0		84	70-130			
1,2-Dichloropropane	20.8	0.50	ug/l	25.0		83	70-130			
1,3-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
2,2-Dichloropropane	21.3	1.0	ug/l	25.0		85	70-130			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0849 Extracted: 03/23/11										
LCS Analyzed: 03/23/2011 (11C0849-BS1)										
1,1-Dichloropropene	20.7	0.50	ug/l	25.0		83	70-130			
cis-1,3-Dichloropropene	20.8	0.50	ug/l	25.0		83	70-130			
trans-1,3-Dichloropropene	21.6	0.50	ug/l	25.0		87	70-130			
Ethylbenzene	20.7	0.50	ug/l	25.0		83	70-130			
Hexachlorobutadiene	22.9	1.0	ug/l	25.0		92	70-130			
2-Hexanone	25.4	2.5	ug/l	25.0		102	44-150			
Iodomethane	30.8	2.5	ug/l	25.0		123	58-138			
Isopropylbenzene	23.6	0.50	ug/l	25.0		94	70-130			
p-Isopropyltoluene	22.2	0.50	ug/l	25.0		89	70-130			
Methylene Chloride	20.3	1.0	ug/l	25.0		81	70-130			
4-Methyl-2-pentanone (MIBK)	23.6	2.5	ug/l	25.0		95	61-142			
Methyl-tert-butyl Ether (MTBE)	21.5	0.50	ug/l	25.0		86	70-130			
Naphthalene	24.3	2.5	ug/l	25.0		97	65-129			
n-Propylbenzene	22.2	0.50	ug/l	25.0		89	70-130			
Styrene	21.9	0.50	ug/l	25.0		88	70-130			
1,1,1,2-Tetrachloroethane	21.0	0.50	ug/l	25.0		84	70-130			
1,1,2,2-Tetrachloroethane	22.5	0.50	ug/l	25.0		90	70-130			
Tetrachloroethene	20.5	0.50	ug/l	25.0		82	70-130			
Toluene	20.0	0.50	ug/l	25.0		80	70-130			
1,2,3-Trichlorobenzene	24.0	1.0	ug/l	25.0		96	70-130			
1,2,4-Trichlorobenzene	24.4	1.0	ug/l	25.0		98	70-130			
1,1,1-Trichloroethane	21.3	0.50	ug/l	25.0		85	70-130			
1,1,2-Trichloroethane	20.6	0.50	ug/l	25.0		82	70-130			
Trichloroethene	19.9	0.50	ug/l	25.0		80	70-130			
Trichlorofluoromethane	25.5	0.50	ug/l	25.0		102	78-149			
1,2,3-Trichloropropane	23.2	1.0	ug/l	25.0		93	70-130			
1,2,4-Trimethylbenzene	22.3	0.50	ug/l	25.0		89	70-130			
1,3,5-Trimethylbenzene	21.8	0.50	ug/l	25.0		87	70-130			
Vinyl Acetate	26.7	1.0	ug/l	25.0		107	57-149			
Vinyl chloride	20.8	0.50	ug/l	25.0		83	66-134			
Xylenes, Total	41.7	1.0	ug/l	50.0		83	70-130			
Freon 113	19.5	2.0	ug/l	25.0		78	63-136			
Surrogate: Dibromofluoromethane	*23.1*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0849 Extracted: 03/23/11										
LCS Dup Analyzed: 03/23/2011 (11C0849-BSD1)										
Acetone	27.0	10	ug/l	25.0		108	30-150	31	35	*V1*
Benzene	19.7	0.50	ug/l	25.0		79	70-130	0.6	20	
Bromobenzene	21.5	0.50	ug/l	25.0		86	70-130	0.3	20	
Bromochloromethane	21.7	0.50	ug/l	25.0		87	70-130	2	20	
Bromodichloromethane	20.8	0.50	ug/l	25.0		83	70-130	0.7	20	
Bromoform	22.2	1.0	ug/l	25.0		89	67-122	1	20	
Bromomethane	21.6	1.0	ug/l	25.0		86	64-132	7	20	
2-Butanone (MEK)	23.5	2.5	ug/l	25.0		94	48-150	10	33	
n-Butylbenzene	22.5	0.50	ug/l	25.0		90	70-130	1	20	
sec-Butylbenzene	21.3	0.50	ug/l	25.0		85	70-130	0.4	20	
tert-Butylbenzene	21.3	0.50	ug/l	25.0		85	70-130	2	20	
Carbon disulfide	23.8	0.50	ug/l	25.0		95	61-126	0.7	20	
Carbon tetrachloride	21.2	0.50	ug/l	25.0		85	70-130	1	20	
Chlorobenzene	20.7	0.50	ug/l	25.0		83	70-130	2	20	
Chloroethane	22.5	1.0	ug/l	25.0		90	69-128	7	20	
Chloroform	20.2	0.50	ug/l	25.0		81	70-130	0.9	20	
Chloromethane	16.8	1.0	ug/l	25.0		67	56-131	4	20	
2-Chlorotoluene	20.4	0.50	ug/l	25.0		82	70-130	2	20	
4-Chlorotoluene	21.4	0.50	ug/l	25.0		86	70-130	2	20	
Dibromochloromethane	21.9	0.50	ug/l	25.0		88	70-130	1	20	
1,2-Dibromo-3-chloropropane	22.8	2.5	ug/l	25.0		91	63-129	1	25	
1,2-Dibromoethane (EDB)	21.4	0.50	ug/l	25.0		86	70-130	0.8	20	
Dibromomethane	21.6	0.50	ug/l	25.0		86	70-130	3	20	
1,2-Dichlorobenzene	21.0	0.50	ug/l	25.0		84	70-130	2	20	
1,3-Dichlorobenzene	21.1	0.50	ug/l	25.0		84	70-130	2	20	
1,4-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	0.4	20	
Dichlorodifluoromethane	19.4	0.50	ug/l	25.0		78	42-150	0.1	20	
1,1-Dichloroethane	20.4	0.50	ug/l	25.0		81	70-130	2	20	
1,2-Dichloroethane	20.7	0.50	ug/l	25.0		83	72-133	3	20	
1,1-Dichloroethene	20.7	0.50	ug/l	25.0		83	70-130	14	20	
cis-1,2-Dichloroethene	19.5	0.50	ug/l	25.0		78	70-130	3	20	
trans-1,2-Dichloroethene	21.1	0.50	ug/l	25.0		84	70-130	0.5	20	
1,2-Dichloropropane	20.9	0.50	ug/l	25.0		83	70-130	0.4	20	
1,3-Dichloropropane	21.6	0.50	ug/l	25.0		87	70-130	2	20	
2,2-Dichloropropane	20.7	1.0	ug/l	25.0		83	70-130	2	20	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0849 Extracted: 03/23/11										
LCS Dup Analyzed: 03/23/2011 (11C0849-BSD1)										
1,1-Dichloropropene	21.0	0.50	ug/l	25.0		84	70-130	1	20	
cis-1,3-Dichloropropene	20.8	0.50	ug/l	25.0		83	70-130	0.1	20	
trans-1,3-Dichloropropene	21.9	0.50	ug/l	25.0		88	70-130	1	20	
Ethylbenzene	20.8	0.50	ug/l	25.0		83	70-130	0.5	20	
Hexachlorobutadiene	22.6	1.0	ug/l	25.0		90	70-130	2	20	
2-Hexanone	24.6	2.5	ug/l	25.0		99	44-150	3	31	
Iodomethane	28.0	2.5	ug/l	25.0		112	58-138	9	25	
Isopropylbenzene	23.4	0.50	ug/l	25.0		94	70-130	0.9	20	
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130	2	20	
Methylene Chloride	20.3	1.0	ug/l	25.0		81	70-130	0	20	
4-Methyl-2-pentanone (MIBK)	22.3	2.5	ug/l	25.0		89	61-142	6	22	
Methyl-tert-butyl Ether (MTBE)	20.4	0.50	ug/l	25.0		81	70-130	5	20	
Naphthalene	24.3	2.5	ug/l	25.0		97	65-129	0.08	20	
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130	2	20	
Styrene	21.7	0.50	ug/l	25.0		87	70-130	1	20	
1,1,1,2-Tetrachloroethane	21.0	0.50	ug/l	25.0		84	70-130	0.4	20	
1,1,2,2-Tetrachloroethane	21.5	0.50	ug/l	25.0		86	70-130	4	20	
Tetrachloroethene	21.0	0.50	ug/l	25.0		84	70-130	3	20	
Toluene	20.1	0.50	ug/l	25.0		81	70-130	0.6	20	
1,2,3-Trichlorobenzene	23.6	1.0	ug/l	25.0		94	70-130	2	20	
1,2,4-Trichlorobenzene	24.1	1.0	ug/l	25.0		96	70-130	1	20	
1,1,1-Trichloroethane	20.9	0.50	ug/l	25.0		84	70-130	2	20	
1,1,2-Trichloroethane	20.5	0.50	ug/l	25.0		82	70-130	0.1	20	
Trichloroethene	20.4	0.50	ug/l	25.0		82	70-130	3	20	
Trichlorofluoromethane	24.5	0.50	ug/l	25.0		98	78-149	4	20	
1,2,3-Trichloropropane	22.1	1.0	ug/l	25.0		89	70-130	5	20	
1,2,4-Trimethylbenzene	21.6	0.50	ug/l	25.0		87	70-130	3	20	
1,3,5-Trimethylbenzene	21.5	0.50	ug/l	25.0		86	70-130	2	20	
Vinyl Acetate	26.5	1.0	ug/l	25.0		106	57-149	0.5	21	
Vinyl chloride	21.5	0.50	ug/l	25.0		86	66-134	3	20	
Xylenes, Total	41.4	1.0	ug/l	50.0		83	70-130	0.8	20	
Freon 113	19.8	2.0	ug/l	25.0		79	63-136	1	20	
Surrogate: Dibromofluoromethane	*23.7*		*ug/l*	*25.0*		*95*	*70-130*			
Surrogate: Toluene-d8	*22.5*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0849 Extracted: 03/23/11										
Matrix Spike Analyzed: 03/23/2011 (11C0849-MS1)					**Source: PUC1197-05**					
Acetone	23.6	10	ug/l	25.0	ND	94	10-150			*V1*
Benzene	20.7	0.50	ug/l	25.0	ND	83	70-130			
Bromobenzene	22.7	0.50	ug/l	25.0	ND	91	70-130			
Bromochloromethane	21.2	0.50	ug/l	25.0	ND	85	70-130			
Bromodichloromethane	24.7	0.50	ug/l	25.0	3.17	86	70-130			
Bromoform	24.5	1.0	ug/l	25.0	ND	98	62-126			
Bromomethane	18.7	1.0	ug/l	25.0	ND	75	55-136			
2-Butanone (MEK)	21.3	2.5	ug/l	25.0	ND	85	22-150			
n-Butylbenzene	22.6	0.50	ug/l	25.0	ND	91	70-130			
sec-Butylbenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
tert-Butylbenzene	22.2	0.50	ug/l	25.0	ND	89	70-130			
Carbon disulfide	25.4	0.50	ug/l	25.0	ND	102	56-132			
Carbon tetrachloride	21.6	0.50	ug/l	25.0	ND	86	76-131			
Chlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
Chloroethane	22.1	1.0	ug/l	25.0	ND	88	67-134			
Chloroform	25.2	0.50	ug/l	25.0	4.92	81	70-130			
Chloromethane	19.8	1.0	ug/l	25.0	ND	79	50-135			
2-Chlorotoluene	21.6	0.50	ug/l	25.0	ND	86	70-130			
4-Chlorotoluene	22.1	0.50	ug/l	25.0	ND	88	70-130			
Dibromochloromethane	24.4	0.50	ug/l	25.0	1.22	93	70-130			
1,2-Dibromo-3-chloropropane	22.5	2.5	ug/l	25.0	ND	90	60-135			
1,2-Dibromoethane (EDB)	23.2	0.50	ug/l	25.0	ND	93	70-130			
Dibromomethane	22.0	0.50	ug/l	25.0	ND	88	70-130			
1,2-Dichlorobenzene	21.9	0.50	ug/l	25.0	ND	88	70-130			
1,3-Dichlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
1,4-Dichlorobenzene	22.1	0.50	ug/l	25.0	ND	89	70-130			
Dichlorodifluoromethane	18.3	0.50	ug/l	25.0	ND	73	36-150			
1,1-Dichloroethane	19.9	0.50	ug/l	25.0	ND	79	70-130			
1,2-Dichloroethane	20.4	0.50	ug/l	25.0	ND	82	68-143			
1,1-Dichloroethene	20.9	0.50	ug/l	25.0	ND	84	70-130			
cis-1,2-Dichloroethene	19.7	0.50	ug/l	25.0	ND	79	70-130			
trans-1,2-Dichloroethene	20.9	0.50	ug/l	25.0	ND	84	70-130			
1,2-Dichloropropane	21.3	0.50	ug/l	25.0	ND	85	70-130			
1,3-Dichloropropane	21.6	0.50	ug/l	25.0	ND	86	70-130			
2,2-Dichloropropane	20.4	1.0	ug/l	25.0	ND	81	66-130			

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0849 Extracted: 03/23/11										
Matrix Spike Analyzed: 03/23/2011 (11C0849-MS1)					**Source: PUC1197-05**					
1,1-Dichloropropene	21.3	0.50	ug/l	25.0	ND	85	70-130			
cis-1,3-Dichloropropene	21.6	0.50	ug/l	25.0	ND	86	70-130			
trans-1,3-Dichloropropene	22.2	0.50	ug/l	25.0	ND	89	71-132			
Ethylbenzene	21.3	0.50	ug/l	25.0	ND	85	70-130			
Hexachlorobutadiene	23.0	1.0	ug/l	25.0	ND	92	66-129			
2-Hexanone	23.4	2.5	ug/l	25.0	ND	93	18-150			
Iodomethane	23.2	2.5	ug/l	25.0	ND	93	47-141			
Isopropylbenzene	24.8	0.50	ug/l	25.0	ND	99	78-137			
p-Isopropyltoluene	22.9	0.50	ug/l	25.0	ND	92	70-130			
Methylene Chloride	20.5	1.0	ug/l	25.0	ND	82	74-132			
4-Methyl-2-pentanone (MIBK)	23.2	2.5	ug/l	25.0	ND	93	56-145			
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0	ND	80	67-138			
Naphthalene	22.4	2.5	ug/l	25.0	ND	89	54-135			
n-Propylbenzene	22.7	0.50	ug/l	25.0	ND	91	70-130			
Styrene	22.6	0.50	ug/l	25.0	ND	90	51-123			
1,1,1,2-Tetrachloroethane	21.8	0.50	ug/l	25.0	ND	87	70-130			
1,1,2,2-Tetrachloroethane	23.0	0.50	ug/l	25.0	ND	92	69-133			
Tetrachloroethene	22.3	0.50	ug/l	25.0	ND	89	70-130			
Toluene	20.8	0.50	ug/l	25.0	0.200	82	70-130			
1,2,3-Trichlorobenzene	23.2	1.0	ug/l	25.0	ND	93	70-130			
1,2,4-Trichlorobenzene	23.8	1.0	ug/l	25.0	ND	95	66-126			
1,1,1-Trichloroethane	20.6	0.50	ug/l	25.0	ND	83	76-132			
1,1,2-Trichloroethane	22.3	0.50	ug/l	25.0	ND	89	70-130			
Trichloroethene	20.8	0.50	ug/l	25.0	ND	83	70-130			
Trichlorofluoromethane	22.6	0.50	ug/l	25.0	ND	90	74-150			
1,2,3-Trichloropropane	23.5	1.0	ug/l	25.0	ND	94	70-130			
1,2,4-Trimethylbenzene	22.4	0.50	ug/l	25.0	ND	89	70-130			
1,3,5-Trimethylbenzene	22.3	0.50	ug/l	25.0	ND	89	61-138			
Vinyl Acetate	24.5	1.0	ug/l	25.0	ND	98	50-150			
Vinyl chloride	21.1	0.50	ug/l	25.0	ND	84	58-139			
Xylenes, Total	42.2	1.0	ug/l	50.0	ND	84	70-130			
Freon 113	19.9	2.0	ug/l	25.0	ND	80	56-148			
Surrogate: Dibromofluoromethane	*22.1*		*ug/l*	*25.0*		*89*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.1*		*ug/l*	*25.0*		*88*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0849 Extracted: 03/23/11										
Matrix Spike Dup Analyzed: 03/23/2011 (11C0849-MSD1)					**Source: PUC1197-05**					
Acetone	28.1	10	ug/l	25.0	ND	112	10-150	18	35	*V1*
Benzene	19.9	0.50	ug/l	25.0	ND	80	70-130	4	20	
Bromobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	1	20	
Bromochloromethane	20.9	0.50	ug/l	25.0	ND	84	70-130	1	20	
Bromodichloromethane	23.4	0.50	ug/l	25.0	3.17	81	70-130	5	20	
Bromoform	23.7	1.0	ug/l	25.0	ND	95	62-126	3	20	
Bromomethane	19.9	1.0	ug/l	25.0	ND	80	55-136	6	24	
2-Butanone (MEK)	24.1	2.5	ug/l	25.0	ND	97	22-150	12	31	
n-Butylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	3	20	
sec-Butylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130	3	20	
tert-Butylbenzene	23.0	0.50	ug/l	25.0	ND	92	70-130	4	20	
Carbon disulfide	23.4	0.50	ug/l	25.0	ND	94	56-132	8	20	
Carbon tetrachloride	21.0	0.50	ug/l	25.0	ND	84	76-131	3	20	
Chlorobenzene	20.9	0.50	ug/l	25.0	ND	84	70-130	3	20	
Chloroethane	22.0	1.0	ug/l	25.0	ND	88	67-134	0.3	20	
Chloroform	24.4	0.50	ug/l	25.0	4.92	78	70-130	3	20	
Chloromethane	20.5	1.0	ug/l	25.0	ND	82	50-135	4	20	
2-Chlorotoluene	20.8	0.50	ug/l	25.0	ND	83	70-130	4	20	
4-Chlorotoluene	21.8	0.50	ug/l	25.0	ND	87	70-130	1	20	
Dibromochloromethane	23.0	0.50	ug/l	25.0	1.22	87	70-130	6	20	
1,2-Dibromo-3-chloropropane	22.8	2.5	ug/l	25.0	ND	91	60-135	2	29	
1,2-Dibromoethane (EDB)	21.8	0.50	ug/l	25.0	ND	87	70-130	6	20	
Dibromomethane	21.1	0.50	ug/l	25.0	ND	84	70-130	4	20	
1,2-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130	1	20	
1,3-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130	2	20	
1,4-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130	2	20	
Dichlorodifluoromethane	18.0	0.50	ug/l	25.0	ND	72	36-150	2	22	
1,1-Dichloroethane	20.2	0.50	ug/l	25.0	ND	81	70-130	2	20	
1,2-Dichloroethane	20.3	0.50	ug/l	25.0	ND	81	68-143	0.9	20	
1,1-Dichloroethene	20.4	0.50	ug/l	25.0	ND	81	70-130	3	20	
cis-1,2-Dichloroethene	19.8	0.50	ug/l	25.0	ND	79	70-130	0.3	20	
trans-1,2-Dichloroethene	20.4	0.50	ug/l	25.0	ND	82	70-130	2	20	
1,2-Dichloropropane	20.6	0.50	ug/l	25.0	ND	82	70-130	3	20	
1,3-Dichloropropane	21.3	0.50	ug/l	25.0	ND	85	70-130	1	20	
2,2-Dichloropropane	19.6	1.0	ug/l	25.0	ND	78	66-130	4	20	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0849 Extracted: 03/23/11										
Matrix Spike Dup Analyzed: 03/23/2011 (11C0849-MSD1)					**Source: PUC1197-05**					
1,1-Dichloropropene	20.5	0.50	ug/l	25.0	ND	82	70-130	4	20	
cis-1,3-Dichloropropene	20.9	0.50	ug/l	25.0	ND	84	70-130	3	20	
trans-1,3-Dichloropropene	21.4	0.50	ug/l	25.0	ND	86	71-132	3	20	
Ethylbenzene	20.2	0.50	ug/l	25.0	ND	81	70-130	5	20	
Hexachlorobutadiene	22.8	1.0	ug/l	25.0	ND	91	66-129	1	21	
2-Hexanone	22.1	2.5	ug/l	25.0	ND	89	18-150	5	25	
Iodomethane	23.8	2.5	ug/l	25.0	ND	95	47-141	3	29	
Isopropylbenzene	24.3	0.50	ug/l	25.0	ND	97	78-137	2	20	
p-Isopropyltoluene	21.8	0.50	ug/l	25.0	ND	87	70-130	5	20	
Methylene Chloride	20.3	1.0	ug/l	25.0	ND	81	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	22.6	2.5	ug/l	25.0	ND	90	56-145	2	26	
Methyl-tert-butyl Ether (MTBE)	20.5	0.50	ug/l	25.0	ND	82	67-138	2	21	
Naphthalene	23.9	2.5	ug/l	25.0	ND	96	54-135	7	33	
n-Propylbenzene	22.2	0.50	ug/l	25.0	ND	89	70-130	2	20	
Styrene	20.6	0.50	ug/l	25.0	ND	82	51-123	9	21	
1,1,1,2-Tetrachloroethane	21.1	0.50	ug/l	25.0	ND	85	70-130	3	20	
1,1,2,2-Tetrachloroethane	22.8	0.50	ug/l	25.0	ND	91	69-133	0.7	20	
Tetrachloroethene	21.1	0.50	ug/l	25.0	ND	84	70-130	5	20	
Toluene	20.3	0.50	ug/l	25.0	0.200	80	70-130	2	20	
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	70-130	1	20	
1,2,4-Trichlorobenzene	23.6	1.0	ug/l	25.0	ND	94	66-126	0.8	20	
1,1,1-Trichloroethane	20.6	0.50	ug/l	25.0	ND	82	76-132	0.3	20	
1,1,2-Trichloroethane	21.7	0.50	ug/l	25.0	ND	87	70-130	3	20	
Trichloroethene	20.1	0.50	ug/l	25.0	ND	80	70-130	4	20	
Trichlorofluoromethane	22.8	0.50	ug/l	25.0	ND	91	74-150	0.8	20	
1,2,3-Trichloropropane	23.7	1.0	ug/l	25.0	ND	95	70-130	0.8	20	
1,2,4-Trimethylbenzene	21.3	0.50	ug/l	25.0	ND	85	70-130	5	20	
1,3,5-Trimethylbenzene	20.6	0.50	ug/l	25.0	ND	82	61-138	8	33	
Vinyl Acetate	24.5	1.0	ug/l	25.0	ND	98	50-150	0	23	
Vinyl chloride	20.1	0.50	ug/l	25.0	ND	80	58-139	5	21	
Xylenes, Total	39.8	1.0	ug/l	50.0	ND	80	70-130	6	20	
Freon 113	19.6	2.0	ug/l	25.0	ND	78	56-148	2	22	
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*89*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.0*		*ug/l*	*25.0*		*88*	*70-130*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0675 Extracted: 03/17/11										
Blank Analyzed: 03/18/2011 (11C0675-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.8*		*ug/l*	*20.0*		*74*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.2*		*ug/l*	*20.0*		*81*	*30-130*			
LCS Analyzed: 03/18/2011 (11C0675-BS1)										**Q8**
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115			
Surrogate: 1,4-Dioxane-d8	*17.5*		*ug/l*	*20.0*		*88*	*30-105*			
Surrogate: Nitrobenzene-d5	*19.6*		*ug/l*	*20.0*		*98*	*35-140*			
LCS Dup Analyzed: 03/18/2011 (11C0675-BSD1)										**Q8**
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115	0	20	
Surrogate: 1,4-Dioxane-d8	*14.1*		*ug/l*	*20.0*		*71*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.9*		*ug/l*	*20.0*		*85*	*35-140*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

DATA QUALIFIERS AND DEFINITIONS

Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC1197

Sampled: 03/17/11
Received: 03/17/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[ ] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

Client Name/Address: ERM
7272 E. Indian School Rd
Scottsdale, AZ 85251

Project/PO Number: 0096498.009

Project Manager: Jason Hilker
Send Report to: Jason.Hilker@ERM.com

Phone Number: 480-998-2401

Sampler: Adam Nagle

Fax Number: 480-998-2106

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane only (8270C)							Special Instructions
OU3-13D-D-031711	W	40mL / LL	3 / 2	3/17/11	0855	HCl / –	x	x							PUC1197-01
OU3-13M-M-031711	↓	↓	↓	↓	1020	↓	↓	↓							-02
OU3-13M-M-031711-Q1					1020										-03
EW-20-S-031711					1130										-04
GW-EB8-031711		↓	↓		1131	↓		↓							-05
GW-L1-9-031711	↓	40mL	1	↓	–	HCl	↓	–					–	196	TRIP BLANK (VOC ONLY)

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)
ERM	3/17 1230			same day ____ 72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____ 5 days ____
				48 hours ____ normal ✓
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time:	Sample Integrity: (Check)
			3/17/11 1230	intact ✗ on ice ✓ 1.0°C

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.009

Sampled: 03/09/11
Received: 03/09/11
Issued: 03/17/11 14:25

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC0637-01	OU3-14M-M-030911	Water
PUC0637-02	OU3-12M-M-030911	Water
PUC0637-03	GW-L1-3-030911	Water
PUC0637-04	GW-EB2-030911	Water
PUC0637-05	GW-Z1-1-030911	Water

SAMPLE RECEIPT: Samples were received intact, at 3°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0637-01 (OU3-14M-M-030911 - Water)				**Sampled: 03/09/11**				
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	**0.65**	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0637-01 (OU3-14M-M-030911 - Water) - cont.					**Sampled: 03/09/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*87 %*				
Surrogate: Toluene-d8 (70-130%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*111 %*				

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0637-02 (OU3-12M-M-030911 - Water) **Sampled: 03/09/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	**0.94**	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0637-02 (OU3-12M-M-030911 - Water) - cont.					**Sampled: 03/09/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	**1.8**	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*85 %*				
Surrogate: Toluene-d8 (70-130%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*110 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0637-03 (GW-L1-3-030911 - Water) **Sampled: 03/09/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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Kylie Emily
Project Manager

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Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0637-03 (GW-L1-3-030911 - Water) - cont.					**Sampled: 03/09/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	**1.8**	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*84 %*				
Surrogate: Toluene-d8 (70-130%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0637-04 (GW-EB2-030911 - Water) **Sampled: 03/09/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	**3.5**	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	**5.2**	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	**1.3**	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0637-04 (GW-EB2-030911 - Water) - cont.					**Sampled: 03/09/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*86 %*				
Surrogate: Toluene-d8 (70-130%)				*99 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*113 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0637-05 (GW-Z1-1-030911 - Water) **Sampled: 03/09/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	**34**	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	**21**	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	**31**	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	**14**	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	**9.2**	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	**43**	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	**12**	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	**20**	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	**8.3**	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	**26**	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	**24**	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
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Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0637-05 (GW-Z1-1-030911 - Water) - cont.					**Sampled: 03/09/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0567	2.5	**61**	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	**31**	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	**42**	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	**33**	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	**48**	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	**15**	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	**25**	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	**46**	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	**32**	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	**53**	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	**20**	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*89 %*				
Surrogate: Toluene-d8 (70-130%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*111 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0637-01 (OU3-14M-M-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0426	1.0	ND	1	3/11/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*68 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*80 %*				
Sample ID: PUC0637-02 (OU3-12M-M-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0426	1.0	ND	1	3/11/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*73 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*86 %*				
Sample ID: PUC0637-04 (GW-EB2-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0426	1.0	ND	1	3/11/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*69 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*79 %*				

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Sampled: 03/09/11
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Blank Analyzed: 03/15/2011 (11C0567-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Blank Analyzed: 03/15/2011 (11C0567-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*20.7*		*ug/l*	*25.0*		*83*	*70-130*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*28.0*		*ug/l*	*25.0*		*112*	*70-130*			

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
LCS Analyzed: 03/15/2011 (11C0567-BS1)										
Acetone	21.4	10	ug/l	25.0		86	30-150			
Benzene	23.6	0.50	ug/l	25.0		94	70-130			
Bromobenzene	24.0	0.50	ug/l	25.0		96	70-130			
Bromochloromethane	22.7	0.50	ug/l	25.0		91	70-130			
Bromodichloromethane	25.7	0.50	ug/l	25.0		103	70-130			
Bromoform	25.5	1.0	ug/l	25.0		102	67-122			
Bromomethane	26.4	1.0	ug/l	25.0		106	64-132			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0		102	48-150			
n-Butylbenzene	25.3	0.50	ug/l	25.0		101	70-130			
sec-Butylbenzene	23.9	0.50	ug/l	25.0		96	70-130			
tert-Butylbenzene	24.5	0.50	ug/l	25.0		98	70-130			
Carbon disulfide	23.5	0.50	ug/l	25.0		94	61-126			
Carbon tetrachloride	26.9	0.50	ug/l	25.0		107	70-130			
Chlorobenzene	23.8	0.50	ug/l	25.0		95	70-130			
Chloroethane	23.4	1.0	ug/l	25.0		94	69-128			
Chloroform	21.8	0.50	ug/l	25.0		87	70-130			
Chloromethane	24.8	1.0	ug/l	25.0		99	56-131			
2-Chlorotoluene	23.8	0.50	ug/l	25.0		95	70-130			
4-Chlorotoluene	24.7	0.50	ug/l	25.0		99	70-130			
Dibromochloromethane	26.0	0.50	ug/l	25.0		104	70-130			
1,2-Dibromo-3-chloropropane	25.9	2.5	ug/l	25.0		104	63-129			
1,2-Dibromoethane (EDB)	25.1	0.50	ug/l	25.0		100	70-130			
Dibromomethane	26.2	0.50	ug/l	25.0		105	70-130			
1,2-Dichlorobenzene	24.1	0.50	ug/l	25.0		97	70-130			
1,3-Dichlorobenzene	23.2	0.50	ug/l	25.0		93	70-130			
1,4-Dichlorobenzene	23.8	0.50	ug/l	25.0		95	70-130			
Dichlorodifluoromethane	27.4	0.50	ug/l	25.0		110	42-150			
1,1-Dichloroethane	21.4	0.50	ug/l	25.0		86	70-130			
1,2-Dichloroethane	23.8	0.50	ug/l	25.0		95	72-133			
1,1-Dichloroethene	23.1	0.50	ug/l	25.0		92	70-130			
cis-1,2-Dichloroethene	20.5	0.50	ug/l	25.0		82	70-130			
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130			
1,2-Dichloropropane	24.8	0.50	ug/l	25.0		99	70-130			
1,3-Dichloropropane	24.9	0.50	ug/l	25.0		99	70-130			
2,2-Dichloropropane	23.8	1.0	ug/l	25.0		95	70-130			

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Attention: Jason Hilker

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
LCS Analyzed: 03/15/2011 (11C0567-BS1)										
1,1-Dichloropropene	25.1	0.50	ug/l	25.0		100	70-130			
cis-1,3-Dichloropropene	25.0	0.50	ug/l	25.0		100	70-130			
trans-1,3-Dichloropropene	28.1	0.50	ug/l	25.0		112	70-130			
Ethylbenzene	24.2	0.50	ug/l	25.0		97	70-130			
Hexachlorobutadiene	28.0	1.0	ug/l	25.0		112	70-130			
2-Hexanone	28.0	2.5	ug/l	25.0		112	44-150			
Iodomethane	34.8	2.5	ug/l	25.0		139	58-138			*L3*
Isopropylbenzene	26.5	0.50	ug/l	25.0		106	70-130			
p-Isopropyltoluene	24.8	0.50	ug/l	25.0		99	70-130			
Methylene Chloride	21.3	1.0	ug/l	25.0		85	70-130			
4-Methyl-2-pentanone (MIBK)	30.0	2.5	ug/l	25.0		120	61-142			
Methyl-tert-butyl Ether (MTBE)	23.2	0.50	ug/l	25.0		93	70-130			
Naphthalene	28.4	2.5	ug/l	25.0		114	65-129			
n-Propylbenzene	25.1	0.50	ug/l	25.0		100	70-130			
Styrene	24.8	0.50	ug/l	25.0		99	70-130			
1,1,1,2-Tetrachloroethane	23.8	0.50	ug/l	25.0		95	70-130			
1,1,2,2-Tetrachloroethane	26.1	0.50	ug/l	25.0		104	70-130			
Tetrachloroethene	24.0	0.50	ug/l	25.0		96	70-130			
Toluene	23.8	0.50	ug/l	25.0		95	70-130			
1,2,3-Trichlorobenzene	27.5	1.0	ug/l	25.0		110	70-130			
1,2,4-Trichlorobenzene	27.4	1.0	ug/l	25.0		109	70-130			
1,1,1-Trichloroethane	23.2	0.50	ug/l	25.0		93	70-130			
1,1,2-Trichloroethane	25.0	0.50	ug/l	25.0		100	70-130			
Trichloroethene	24.8	0.50	ug/l	25.0		99	70-130			
Trichlorofluoromethane	28.5	0.50	ug/l	25.0		114	78-149			
1,2,3-Trichloropropane	27.1	1.0	ug/l	25.0		108	70-130			
1,2,4-Trimethylbenzene	24.8	0.50	ug/l	25.0		99	70-130			
1,3,5-Trimethylbenzene	25.1	0.50	ug/l	25.0		100	70-130			
Vinyl Acetate	39.0	1.0	ug/l	25.0		156	57-149			*L3*
Vinyl chloride	24.9	0.50	ug/l	25.0		100	66-134			
Xylenes, Total	49.5	1.0	ug/l	50.0		99	70-130			
Freon 113	23.3	2.0	ug/l	25.0		93	63-136			
Surrogate: Dibromofluoromethane	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*24.5*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*70-130*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
LCS Dup Analyzed: 03/15/2011 (11C0567-BSD1)										
Acetone	17.4	10	ug/l	25.0		69	30-150	21	35	
Benzene	23.8	0.50	ug/l	25.0		95	70-130	1	20	
Bromobenzene	23.3	0.50	ug/l	25.0		93	70-130	3	20	
Bromochloromethane	20.6	0.50	ug/l	25.0		82	70-130	10	20	
Bromodichloromethane	24.6	0.50	ug/l	25.0		98	70-130	5	20	
Bromoform	22.4	1.0	ug/l	25.0		89	67-122	13	20	
Bromomethane	22.8	1.0	ug/l	25.0		91	64-132	15	20	
2-Butanone (MEK)	21.6	2.5	ug/l	25.0		87	48-150	17	33	
n-Butylbenzene	25.8	0.50	ug/l	25.0		103	70-130	2	20	
sec-Butylbenzene	24.5	0.50	ug/l	25.0		98	70-130	3	20	
tert-Butylbenzene	23.6	0.50	ug/l	25.0		94	70-130	4	20	
Carbon disulfide	24.0	0.50	ug/l	25.0		96	61-126	2	20	
Carbon tetrachloride	27.3	0.50	ug/l	25.0		109	70-130	2	20	
Chlorobenzene	23.9	0.50	ug/l	25.0		96	70-130	0.6	20	
Chloroethane	23.9	1.0	ug/l	25.0		95	69-128	2	20	
Chloroform	22.2	0.50	ug/l	25.0		89	70-130	2	20	
Chloromethane	27.0	1.0	ug/l	25.0		108	56-131	9	20	
2-Chlorotoluene	23.5	0.50	ug/l	25.0		94	70-130	1	20	
4-Chlorotoluene	24.3	0.50	ug/l	25.0		97	70-130	1	20	
Dibromochloromethane	24.0	0.50	ug/l	25.0		96	70-130	8	20	
1,2-Dibromo-3-chloropropane	21.9	2.5	ug/l	25.0		87	63-129	17	25	
1,2-Dibromoethane (EDB)	22.8	0.50	ug/l	25.0		91	70-130	10	20	
Dibromomethane	24.6	0.50	ug/l	25.0		99	70-130	6	20	
1,2-Dichlorobenzene	23.5	0.50	ug/l	25.0		94	70-130	3	20	
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0		91	70-130	1	20	
1,4-Dichlorobenzene	23.4	0.50	ug/l	25.0		93	70-130	2	20	
Dichlorodifluoromethane	27.8	0.50	ug/l	25.0		111	42-150	1	20	
1,1-Dichloroethane	22.8	0.50	ug/l	25.0		91	70-130	6	20	
1,2-Dichloroethane	22.4	0.50	ug/l	25.0		90	72-133	6	20	
1,1-Dichloroethene	23.4	0.50	ug/l	25.0		93	70-130	1	20	
cis-1,2-Dichloroethene	21.0	0.50	ug/l	25.0		84	70-130	2	20	
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130	0.09	20	
1,2-Dichloropropane	24.0	0.50	ug/l	25.0		96	70-130	3	20	
1,3-Dichloropropane	23.1	0.50	ug/l	25.0		93	70-130	7	20	
2,2-Dichloropropane	22.6	1.0	ug/l	25.0		90	70-130	5	20	

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
LCS Dup Analyzed: 03/15/2011 (11C0567-BSD1)										
1,1-Dichloropropene	26.1	0.50	ug/l	25.0		104	70-130	4	20	
cis-1,3-Dichloropropene	24.7	0.50	ug/l	25.0		99	70-130	1	20	
trans-1,3-Dichloropropene	25.9	0.50	ug/l	25.0		104	70-130	8	20	
Ethylbenzene	24.9	0.50	ug/l	25.0		100	70-130	3	20	
Hexachlorobutadiene	27.5	1.0	ug/l	25.0		110	70-130	2	20	
2-Hexanone	21.2	2.5	ug/l	25.0		85	44-150	28	31	
Iodomethane	25.8	2.5	ug/l	25.0		103	58-138	30	25	*R1*
Isopropylbenzene	26.5	0.50	ug/l	25.0		106	70-130	0.08	20	
p-Isopropyltoluene	24.8	0.50	ug/l	25.0		99	70-130	0.2	20	
Methylene Chloride	20.8	1.0	ug/l	25.0		83	70-130	3	20	
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0		94	61-142	25	22	*R6*
Methyl-tert-butyl Ether (MTBE)	21.0	0.50	ug/l	25.0		84	70-130	10	20	
Naphthalene	24.3	2.5	ug/l	25.0		97	65-129	16	20	
n-Propylbenzene	25.3	0.50	ug/l	25.0		101	70-130	0.8	20	
Styrene	24.8	0.50	ug/l	25.0		99	70-130	0.4	20	
1,1,1,2-Tetrachloroethane	23.0	0.50	ug/l	25.0		92	70-130	4	20	
1,1,2,2-Tetrachloroethane	22.3	0.50	ug/l	25.0		89	70-130	16	20	
Tetrachloroethene	25.0	0.50	ug/l	25.0		100	70-130	4	20	
Toluene	24.1	0.50	ug/l	25.0		96	70-130	1	20	
1,2,3-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130	11	20	
1,2,4-Trichlorobenzene	25.8	1.0	ug/l	25.0		103	70-130	6	20	
1,1,1-Trichloroethane	23.5	0.50	ug/l	25.0		94	70-130	2	20	
1,1,2-Trichloroethane	23.3	0.50	ug/l	25.0		93	70-130	7	20	
Trichloroethene	24.5	0.50	ug/l	25.0		98	70-130	1	20	
Trichlorofluoromethane	28.6	0.50	ug/l	25.0		115	78-149	0.6	20	
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0		91	70-130	17	20	
1,2,4-Trimethylbenzene	25.2	0.50	ug/l	25.0		101	70-130	1	20	
1,3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0		101	70-130	0.6	20	
Vinyl Acetate	29.0	1.0	ug/l	25.0		116	57-149	29	21	*R1*
Vinyl chloride	25.8	0.50	ug/l	25.0		103	66-134	4	20	
Xylenes, Total	49.8	1.0	ug/l	50.0		100	70-130	0.6	20	
Freon 113	23.8	2.0	ug/l	25.0		95	63-136	2	20	
Surrogate: Dibromofluoromethane	*21.2*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.7*		*ug/l*	*25.0*		*103*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Matrix Spike Analyzed: 03/15/2011 (11C0567-MS1)					**Source: PUC0635-01**					
Acetone	17.0	10	ug/l	25.0	ND	68	10-150			
Benzene	23.0	0.50	ug/l	25.0	ND	92	70-130			
Bromobenzene	23.6	0.50	ug/l	25.0	ND	95	70-130			
Bromochloromethane	21.0	0.50	ug/l	25.0	ND	84	70-130			
Bromodichloromethane	23.5	0.50	ug/l	25.0	ND	94	70-130			
Bromoform	23.3	1.0	ug/l	25.0	ND	93	62-126			
Bromomethane	23.7	1.0	ug/l	25.0	ND	95	55-136			
2-Butanone (MEK)	20.7	2.5	ug/l	25.0	ND	83	22-150			
n-Butylbenzene	24.6	0.50	ug/l	25.0	ND	99	70-130			
sec-Butylbenzene	23.9	0.50	ug/l	25.0	ND	96	70-130			
tert-Butylbenzene	24.5	0.50	ug/l	25.0	ND	98	70-130			
Carbon disulfide	24.8	0.50	ug/l	25.0	0.220	98	56-132			
Carbon tetrachloride	26.2	0.50	ug/l	25.0	ND	105	76-131			
Chlorobenzene	22.9	0.50	ug/l	25.0	ND	91	70-130			
Chloroethane	23.6	1.0	ug/l	25.0	ND	94	67-134			
Chloroform	21.2	0.50	ug/l	25.0	ND	85	70-130			
Chloromethane	25.6	1.0	ug/l	25.0	ND	102	50-135			
2-Chlorotoluene	23.7	0.50	ug/l	25.0	ND	95	70-130			
4-Chlorotoluene	24.4	0.50	ug/l	25.0	ND	98	70-130			
Dibromochloromethane	24.2	0.50	ug/l	25.0	ND	97	70-130			
1,2-Dibromo-3-chloropropane	23.4	2.5	ug/l	25.0	ND	94	60-135			
1,2-Dibromoethane (EDB)	23.4	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	24.1	0.50	ug/l	25.0	ND	96	70-130			
1,2-Dichlorobenzene	23.2	0.50	ug/l	25.0	ND	93	70-130			
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,4-Dichlorobenzene	23.2	0.50	ug/l	25.0	ND	93	70-130			
Dichlorodifluoromethane	27.6	0.50	ug/l	25.0	ND	110	36-150			
1,1-Dichloroethane	21.8	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	68-143			
1,1-Dichloroethene	23.8	0.50	ug/l	25.0	ND	95	70-130			
cis-1,2-Dichloroethene	20.6	0.50	ug/l	25.0	ND	83	70-130			
trans-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichloropropane	23.5	0.50	ug/l	25.0	ND	94	70-130			
2,2-Dichloropropane	23.9	1.0	ug/l	25.0	ND	96	66-130			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Matrix Spike Analyzed: 03/15/2011 (11C0567-MS1)					**Source: PUC0635-01**					
1,1-Dichloropropene	25.6	0.50	ug/l	25.0	ND	102	70-130			
cis-1,3-Dichloropropene	24.1	0.50	ug/l	25.0	ND	97	70-130			
trans-1,3-Dichloropropene	25.2	0.50	ug/l	25.0	ND	101	71-132			
Ethylbenzene	25.1	0.50	ug/l	25.0	0.500	98	70-130			
Hexachlorobutadiene	25.1	1.0	ug/l	25.0	ND	100	66-129			
2-Hexanone	23.3	2.5	ug/l	25.0	ND	93	18-150			
Iodomethane	31.7	2.5	ug/l	25.0	ND	127	47-141			
Isopropylbenzene	26.9	0.50	ug/l	25.0	ND	108	78-137			
p-Isopropyltoluene	24.1	0.50	ug/l	25.0	ND	96	70-130			
Methylene Chloride	20.3	1.0	ug/l	25.0	ND	81	74-132			
4-Methyl-2-pentanone (MIBK)	25.6	2.5	ug/l	25.0	ND	102	56-145			
Methyl-tert-butyl Ether (MTBE)	20.7	0.50	ug/l	25.0	ND	83	67-138			
Naphthalene	26.0	2.5	ug/l	25.0	ND	104	54-135			
n-Propylbenzene	25.8	0.50	ug/l	25.0	ND	103	70-130			
Styrene	24.3	0.50	ug/l	25.0	ND	97	51-123			
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,1,2,2-Tetrachloroethane	24.2	0.50	ug/l	25.0	ND	97	69-133			
Tetrachloroethene	24.9	0.50	ug/l	25.0	ND	100	70-130			
Toluene	23.6	0.50	ug/l	25.0	ND	94	70-130			
1,2,3-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	70-130			
1,2,4-Trichlorobenzene	25.4	1.0	ug/l	25.0	ND	102	66-126			
1,1,1-Trichloroethane	23.0	0.50	ug/l	25.0	ND	92	76-132			
1,1,2-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	70-130			
Trichloroethene	24.3	0.50	ug/l	25.0	ND	97	70-130			
Trichlorofluoromethane	28.7	0.50	ug/l	25.0	ND	115	74-150			
1,2,3-Trichloropropane	24.8	1.0	ug/l	25.0	ND	99	70-130			
1,2,4-Trimethylbenzene	24.8	0.50	ug/l	25.0	ND	99	70-130			
1,3,5-Trimethylbenzene	24.8	0.50	ug/l	25.0	ND	99	61-138			
Vinyl Acetate	35.9	1.0	ug/l	25.0	ND	144	50-150			
Vinyl chloride	26.2	0.50	ug/l	25.0	ND	105	58-139			
Xylenes, Total	52.6	1.0	ug/l	50.0	1.75	102	70-130			
Freon 113	23.8	2.0	ug/l	25.0	ND	95	56-148			
Surrogate: Dibromofluoromethane	*21.5*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*70-130*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Matrix Spike Dup Analyzed: 03/15/2011 (11C0567-MSD1)					**Source: PUC0635-01**					
Acetone	16.1	10	ug/l	25.0	ND	64	10-150	5	35	
Benzene	22.8	0.50	ug/l	25.0	ND	91	70-130	0.7	20	
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130	3	20	
Bromochloromethane	19.7	0.50	ug/l	25.0	ND	79	70-130	6	20	
Bromodichloromethane	22.8	0.50	ug/l	25.0	ND	91	70-130	3	20	
Bromoform	21.5	1.0	ug/l	25.0	ND	86	62-126	8	20	
Bromomethane	21.0	1.0	ug/l	25.0	ND	84	55-136	12	24	
2-Butanone (MEK)	19.6	2.5	ug/l	25.0	ND	79	22-150	5	31	
n-Butylbenzene	25.5	0.50	ug/l	25.0	ND	102	70-130	4	20	
sec-Butylbenzene	24.5	0.50	ug/l	25.0	ND	98	70-130	2	20	
tert-Butylbenzene	23.7	0.50	ug/l	25.0	ND	95	70-130	3	20	
Carbon disulfide	24.3	0.50	ug/l	25.0	0.220	96	56-132	2	20	
Carbon tetrachloride	25.4	0.50	ug/l	25.0	ND	102	76-131	3	20	
Chlorobenzene	22.4	0.50	ug/l	25.0	ND	89	70-130	2	20	
Chloroethane	22.7	1.0	ug/l	25.0	ND	91	67-134	4	20	
Chloroform	21.3	0.50	ug/l	25.0	ND	85	70-130	0.09	20	
Chloromethane	24.4	1.0	ug/l	25.0	ND	97	50-135	5	20	
2-Chlorotoluene	23.0	0.50	ug/l	25.0	ND	92	70-130	3	20	
4-Chlorotoluene	24.0	0.50	ug/l	25.0	ND	96	70-130	1	20	
Dibromochloromethane	22.6	0.50	ug/l	25.0	ND	91	70-130	6	20	
1,2-Dibromo-3-chloropropane	21.8	2.5	ug/l	25.0	ND	87	60-135	7	29	
1,2-Dibromoethane (EDB)	21.8	0.50	ug/l	25.0	ND	87	70-130	7	20	
Dibromomethane	22.8	0.50	ug/l	25.0	ND	91	70-130	6	20	
1,2-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	3	20	
1,3-Dichlorobenzene	22.5	0.50	ug/l	25.0	ND	90	70-130	1	20	
1,4-Dichlorobenzene	22.2	0.50	ug/l	25.0	ND	89	70-130	5	20	
Dichlorodifluoromethane	27.0	0.50	ug/l	25.0	ND	108	36-150	2	22	
1,1-Dichloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
1,2-Dichloroethane	21.0	0.50	ug/l	25.0	ND	84	68-143	4	20	
1,1-Dichloroethene	23.1	0.50	ug/l	25.0	ND	92	70-130	3	20	
cis-1,2-Dichloroethene	20.4	0.50	ug/l	25.0	ND	82	70-130	1	20	
trans-1,2-Dichloroethene	21.5	0.50	ug/l	25.0	ND	86	70-130	4	20	
1,2-Dichloropropane	23.1	0.50	ug/l	25.0	ND	92	70-130	1	20	
1,3-Dichloropropane	22.1	0.50	ug/l	25.0	ND	88	70-130	6	20	
2,2-Dichloropropane	22.4	1.0	ug/l	25.0	ND	90	66-130	7	20	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Matrix Spike Dup Analyzed: 03/15/2011 (11C0567-MSD1)					**Source: PUC0635-01**					
1,1-Dichloropropene	25.2	0.50	ug/l	25.0	ND	101	70-130	1	20	
cis-1,3-Dichloropropene	23.2	0.50	ug/l	25.0	ND	93	70-130	4	20	
trans-1,3-Dichloropropene	23.9	0.50	ug/l	25.0	ND	96	71-132	5	20	
Ethylbenzene	23.9	0.50	ug/l	25.0	0.500	94	70-130	5	20	
Hexachlorobutadiene	25.5	1.0	ug/l	25.0	ND	102	66-129	2	21	
2-Hexanone	20.8	2.5	ug/l	25.0	ND	83	18-150	11	25	
Iodomethane	25.2	2.5	ug/l	25.0	ND	101	47-141	23	29	
Isopropylbenzene	26.8	0.50	ug/l	25.0	ND	107	78-137	0.4	20	
p-Isopropyltoluene	24.4	0.50	ug/l	25.0	ND	98	70-130	2	20	
Methylene Chloride	20.3	1.0	ug/l	25.0	ND	81	74-132	0.3	20	
4-Methyl-2-pentanone (MIBK)	23.3	2.5	ug/l	25.0	ND	93	56-145	9	26	
Methyl-tert-butyl Ether (MTBE)	19.8	0.50	ug/l	25.0	ND	79	67-138	4	21	
Naphthalene	24.3	2.5	ug/l	25.0	ND	97	54-135	6	33	
n-Propylbenzene	24.7	0.50	ug/l	25.0	ND	99	70-130	4	20	
Styrene	23.2	0.50	ug/l	25.0	ND	93	51-123	4	21	
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130	2	20	
1,1,2,2-Tetrachloroethane	22.2	0.50	ug/l	25.0	ND	89	69-133	9	20	
Tetrachloroethene	24.4	0.50	ug/l	25.0	ND	98	70-130	2	20	
Toluene	22.6	0.50	ug/l	25.0	ND	90	70-130	4	20	
1,2,3-Trichlorobenzene	24.1	1.0	ug/l	25.0	ND	97	70-130	3	20	
1,2,4-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	66-126	2	20	
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	76-132	1	20	
1,1,2-Trichloroethane	22.2	0.50	ug/l	25.0	ND	89	70-130	2	20	
Trichloroethene	24.0	0.50	ug/l	25.0	ND	96	70-130	1	20	
Trichlorofluoromethane	27.6	0.50	ug/l	25.0	ND	110	74-150	4	20	
1,2,3-Trichloropropane	22.2	1.0	ug/l	25.0	ND	89	70-130	11	20	
1,2,4-Trimethylbenzene	24.3	0.50	ug/l	25.0	ND	97	70-130	2	20	
1,3,5-Trimethylbenzene	24.3	0.50	ug/l	25.0	ND	97	61-138	2	33	
Vinyl Acetate	31.1	1.0	ug/l	25.0	ND	124	50-150	14	23	
Vinyl chloride	25.4	0.50	ug/l	25.0	ND	101	58-139	3	21	
Xylenes, Total	50.5	1.0	ug/l	50.0	1.75	97	70-130	4	20	
Freon 113	23.5	2.0	ug/l	25.0	ND	94	56-148	1	22	
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.9*		*ug/l*	*25.0*		*104*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0426 Extracted: 03/11/11										
Blank Analyzed: 03/14/2011 (11C0426-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*13.6*		*ug/l*	*20.0*		*68*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*30-130*			
LCS Analyzed: 03/14/2011 (11C0426-BS1)										**Q8**
1,4-Dioxane	20.8	1.0	ug/l	20.0		104	85-115			
Surrogate: 1,4-Dioxane-d8	*14.7*		*ug/l*	*20.0*		*74*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.4*		*ug/l*	*20.0*		*87*	*35-140*			
LCS Dup Analyzed: 03/14/2011 (11C0426-BSD1)										**Q8**
1,4-Dioxane	20.7	1.0	ug/l	20.0		104	85-115	0.1	20	
Surrogate: 1,4-Dioxane-d8	*15.6*		*ug/l*	*20.0*		*78*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.1*		*ug/l*	*20.0*		*85*	*35-140*			

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West	Project ID: OU3 0096498.009	
7272 E. Indian School Rd. Ste 100		Sampled: 03/09/11
Scottsdale, AZ 85251	Report Number: PUC0637	Received: 03/09/11
Attention: Jason Hilker		

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0637

Sampled: 03/09/11
Received: 03/09/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management

CHAIN OF CUSTODY RECORD

PUC0637

NO: 2492

7272 E. Indian School Road, Suite 100 • Scottsdale, AZ • 85251 • (480) 998-2401 • FAX (480) 998-2106

PROJECT #	PROJECT NAME
0096498.009	OU3

SAMPLER: (PRINT NAME)	(SIGNATURE)
Adam Nagle	ARN

RECEIVING LABORATORY: Test America

SAMPLE I.D.	DATE	TIME	COMP	GRAB	SAMPLING METHOD	PRESER-VATIVE	ICE (Y/N)	SAMPLING VOLUME	# OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	MATRIX: GAS	VOC (8260B)	1,4-Dioxane Only (8270C)								
OU3-14M-M-030911	3/9/11	0929		X	Pump	HCl / -	Y	40mL / 1L	3 / 2		X		X	X								-01
OU3-12M-M-030911		1510																				-02
GW-L1-3-030911		-												ARN	Trip Blank VOC only							-03
GW-EB2-030911		1543																				-04
GW-Z1-1-030911		-											X									-05

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
ARN / ERM	3/9	1710			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
				3/9/11	1710

FIELD REMARKS

REMARKS ON SAMPLE RECEIPT

- ☑ BOTTLE INTACT
- ☐ PRESERVED
- ☐ CUSTODY SEALS
- ☐ SEALS INTACT
- ☑ CHILLED
- ☐ SEE REMARKS

ERM REMARKS: 2-8 °C

SEND REPORT TO: Jason.Hilker@ERM.com

WHITE – LABORATORY COPY CANARY – FIELD COPY PINK – DATABASE GOLD – PROJECT FILE

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.009

Sampled: 03/10/11
Received: 03/10/11
Issued: 03/21/11 15:15

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC0730-01	OU3-1M-M-031011	Water

SAMPLE RECEIPT: Samples were received intact, at 1°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1-The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0730-01RE1 (OU3-1M-M-031011 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0694	10	ND	1	3/18/2011	3/18/2011	
Benzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromodichloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromoform	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Bromomethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Butanone (MEK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
sec-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
tert-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon disulfide	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon tetrachloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloroethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Chloroform	EPA 8260B	11C0694	0.50	**0.54**	1	3/18/2011	3/18/2011	
Chloromethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
4-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromomethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dichlorodifluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	**0.88**	1	3/18/2011	3/18/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
2,2-Dichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Ethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Hexachlorobutadiene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0730-01RE1 (OU3-1M-M-031011 - Water) - cont.

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
2-Hexanone	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Iodomethane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Isopropylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
p-Isopropyltoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Methylene Chloride	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Naphthalene	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Propylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Styrene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Tetrachloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Toluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichloroethene	EPA 8260B	11C0694	0.50	**6.0**	1	3/18/2011	3/18/2011	
Trichlorofluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Vinyl Acetate	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Vinyl chloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Xylenes, Total	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Freon 113	EPA 8260B	11C0694	2.0	ND	1	3/18/2011	3/18/2011	
Surrogate: Dibromofluoromethane (70-130%)				*87 %*				
Surrogate: Toluene-d8 (70-130%)				*87 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*83 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0730-01 (OU3-1M-M-031011 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*65 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*80 %*				

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*21.4*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*20.6*		*ug/l*	*25.0*		*83*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
Acetone	29.0	10	ug/l	25.0		116	30-150			
Benzene	20.5	0.50	ug/l	25.0		82	70-130			
Bromobenzene	23.0	0.50	ug/l	25.0		92	70-130			
Bromochloromethane	20.7	0.50	ug/l	25.0		83	70-130			
Bromodichloromethane	21.9	0.50	ug/l	25.0		88	70-130			
Bromoform	22.6	1.0	ug/l	25.0		91	67-122			
Bromomethane	20.6	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	24.1	2.5	ug/l	25.0		97	48-150			
n-Butylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
sec-Butylbenzene	22.4	0.50	ug/l	25.0		90	70-130			
tert-Butylbenzene	22.5	0.50	ug/l	25.0		90	70-130			
Carbon disulfide	24.2	0.50	ug/l	25.0		97	61-126			
Carbon tetrachloride	22.1	0.50	ug/l	25.0		88	70-130			
Chlorobenzene	21.6	0.50	ug/l	25.0		87	70-130			
Chloroethane	21.2	1.0	ug/l	25.0		85	69-128			
Chloroform	19.9	0.50	ug/l	25.0		80	70-130			
Chloromethane	22.1	1.0	ug/l	25.0		88	56-131			
2-Chlorotoluene	21.8	0.50	ug/l	25.0		87	70-130			
4-Chlorotoluene	22.9	0.50	ug/l	25.0		92	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	23.7	2.5	ug/l	25.0		95	63-129			
1,2-Dibromoethane (EDB)	22.1	0.50	ug/l	25.0		88	70-130			
Dibromomethane	21.2	0.50	ug/l	25.0		85	70-130			
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130			
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
1,4-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
Dichlorodifluoromethane	21.2	0.50	ug/l	25.0		85	42-150			
1,1-Dichloroethane	20.2	0.50	ug/l	25.0		81	70-130			
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133			
1,1-Dichloroethene	20.5	0.50	ug/l	25.0		82	70-130			
cis-1,2-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130			
trans-1,2-Dichloroethene	20.8	0.50	ug/l	25.0		83	70-130			
1,2-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
1,3-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
2,2-Dichloropropane	21.3	1.0	ug/l	25.0		85	70-130			

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
1,1-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
trans-1,3-Dichloropropene	22.8	0.50	ug/l	25.0		91	70-130			
Ethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
Hexachlorobutadiene	23.6	1.0	ug/l	25.0		95	70-130			
2-Hexanone	25.9	2.5	ug/l	25.0		104	44-150			
Iodomethane	24.7	2.5	ug/l	25.0		99	58-138			
Isopropylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
p-Isopropyltoluene	22.9	0.50	ug/l	25.0		92	70-130			
Methylene Chloride	20.4	1.0	ug/l	25.0		82	70-130			
4-Methyl-2-pentanone (MIBK)	23.7	2.5	ug/l	25.0		95	61-142			
Methyl-tert-butyl Ether (MTBE)	19.4	0.50	ug/l	25.0		77	70-130			
Naphthalene	23.1	2.5	ug/l	25.0		93	65-129			
n-Propylbenzene	23.4	0.50	ug/l	25.0		94	70-130			
Styrene	22.7	0.50	ug/l	25.0		91	70-130			
1,1,1,2-Tetrachloroethane	21.8	0.50	ug/l	25.0		87	70-130			
1,1,2,2-Tetrachloroethane	22.8	0.50	ug/l	25.0		91	70-130			
Tetrachloroethene	21.7	0.50	ug/l	25.0		87	70-130			
Toluene	21.6	0.50	ug/l	25.0		86	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0		94	70-130			
1,2,4-Trichlorobenzene	24.1	1.0	ug/l	25.0		96	70-130			
1,1,1-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
1,1,2-Trichloroethane	21.5	0.50	ug/l	25.0		86	70-130			
Trichloroethene	21.3	0.50	ug/l	25.0		85	70-130			
Trichlorofluoromethane	19.5	0.50	ug/l	25.0		78	78-149			
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0		96	70-130			
1,2,4-Trimethylbenzene	23.3	0.50	ug/l	25.0		93	70-130			
1,3,5-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
Vinyl Acetate	25.6	1.0	ug/l	25.0		102	57-149			
Vinyl chloride	22.2	0.50	ug/l	25.0		89	66-134			
Xylenes, Total	43.0	1.0	ug/l	50.0		86	70-130			
Freon 113	20.3	2.0	ug/l	25.0		81	63-136			
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.9*		*ug/l*	*25.0*		*88*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.2*		*ug/l*	*25.0*		*85*	*70-130*			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
Acetone	30.9	10	ug/l	25.0		124	30-150	6	35	
Benzene	21.1	0.50	ug/l	25.0		85	70-130	3	20	
Bromobenzene	22.8	0.50	ug/l	25.0		91	70-130	1	20	
Bromochloromethane	21.3	0.50	ug/l	25.0		85	70-130	3	20	
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130	3	20	
Bromoform	22.1	1.0	ug/l	25.0		88	67-122	2	20	
Bromomethane	22.2	1.0	ug/l	25.0		89	64-132	7	20	
2-Butanone (MEK)	24.4	2.5	ug/l	25.0		98	48-150	1	33	
n-Butylbenzene	23.3	0.50	ug/l	25.0		93	70-130	0.3	20	
sec-Butylbenzene	22.7	0.50	ug/l	25.0		91	70-130	1	20	
tert-Butylbenzene	22.4	0.50	ug/l	25.0		89	70-130	0.7	20	
Carbon disulfide	24.9	0.50	ug/l	25.0		99	61-126	3	20	
Carbon tetrachloride	22.7	0.50	ug/l	25.0		91	70-130	3	20	
Chlorobenzene	21.7	0.50	ug/l	25.0		87	70-130	0.2	20	
Chloroethane	22.3	1.0	ug/l	25.0		89	69-128	5	20	
Chloroform	20.8	0.50	ug/l	25.0		83	70-130	4	20	
Chloromethane	23.2	1.0	ug/l	25.0		93	56-131	5	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0		88	70-130	0.7	20	
4-Chlorotoluene	22.6	0.50	ug/l	25.0		90	70-130	1	20	
Dibromochloromethane	21.9	0.50	ug/l	25.0		88	70-130	1	20	
1,2-Dibromo-3-chloropropane	22.3	2.5	ug/l	25.0		89	63-129	6	25	
1,2-Dibromoethane (EDB)	21.9	0.50	ug/l	25.0		88	70-130	0.6	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	2	20	
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130	0	20	
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130	0	20	
1,4-Dichlorobenzene	22.1	0.50	ug/l	25.0		88	70-130	0.8	20	
Dichlorodifluoromethane	21.8	0.50	ug/l	25.0		87	42-150	3	20	
1,1-Dichloroethane	21.5	0.50	ug/l	25.0		86	70-130	6	20	
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133	3	20	
1,1-Dichloroethene	21.8	0.50	ug/l	25.0		87	70-130	6	20	
cis-1,2-Dichloroethene	20.1	0.50	ug/l	25.0		80	70-130	0.4	20	
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130	5	20	
1,2-Dichloropropane	21.6	0.50	ug/l	25.0		86	70-130	1	20	
1,3-Dichloropropane	21.2	0.50	ug/l	25.0		85	70-130	0.4	20	
2,2-Dichloropropane	21.5	1.0	ug/l	25.0		86	70-130	1	20	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
1,1-Dichloropropene	22.1	0.50	ug/l	25.0		88	70-130	2	20	
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130	0	20	
trans-1,3-Dichloropropene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
Ethylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Hexachlorobutadiene	23.7	1.0	ug/l	25.0		95	70-130	0.04	20	
2-Hexanone	22.8	2.5	ug/l	25.0		91	44-150	13	31	
Iodomethane	28.8	2.5	ug/l	25.0		115	58-138	15	25	
Isopropylbenzene	25.0	0.50	ug/l	25.0		100	70-130	1	20	
p-Isopropyltoluene	23.1	0.50	ug/l	25.0		92	70-130	0.8	20	
Methylene Chloride	20.8	1.0	ug/l	25.0		83	70-130	2	20	
4-Methyl-2-pentanone (MIBK)	23.2	2.5	ug/l	25.0		93	61-142	2	22	
Methyl-tert-butyl Ether (MTBE)	20.2	0.50	ug/l	25.0		81	70-130	4	20	
Naphthalene	23.4	2.5	ug/l	25.0		94	65-129	1	20	
n-Propylbenzene	23.4	0.50	ug/l	25.0		93	70-130	0.3	20	
Styrene	22.5	0.50	ug/l	25.0		90	70-130	0.8	20	
1,1,1,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	0.8	20	
1,1,2,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	5	20	
Tetrachloroethene	22.2	0.50	ug/l	25.0		89	70-130	2	20	
Toluene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130	2	20	
1,2,4-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130	2	20	
1,1,1-Trichloroethane	21.8	0.50	ug/l	25.0		87	70-130	3	20	
1,1,2-Trichloroethane	21.4	0.50	ug/l	25.0		85	70-130	0.7	20	
Trichloroethene	21.5	0.50	ug/l	25.0		86	70-130	1	20	
Trichlorofluoromethane	24.4	0.50	ug/l	25.0		98	78-149	22	20	*R6*
1,2,3-Trichloropropane	22.0	1.0	ug/l	25.0		88	70-130	9	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130	0.3	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0		91	70-130	2	20	
Vinyl Acetate	25.8	1.0	ug/l	25.0		103	57-149	0.8	21	
Vinyl chloride	22.4	0.50	ug/l	25.0		90	66-134	1	20	
Xylenes, Total	43.3	1.0	ug/l	50.0		87	70-130	0.6	20	
Freon 113	20.8	2.0	ug/l	25.0		83	63-136	2	20	
Surrogate: Dibromofluoromethane	*21.9*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.6*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					**Source: PUC0827-02**					
Acetone	31.2	10	ug/l	25.0	ND	125	10-150			
Benzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130			
Bromochloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130			
Bromodichloromethane	22.4	0.50	ug/l	25.0	ND	90	70-130			
Bromoform	23.8	1.0	ug/l	25.0	ND	95	62-126			
Bromomethane	22.0	1.0	ug/l	25.0	ND	88	55-136			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0	ND	103	22-150			
n-Butylbenzene	23.5	0.50	ug/l	25.0	ND	94	70-130			
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Carbon disulfide	30.5	0.50	ug/l	25.0	ND	122	56-132			
Carbon tetrachloride	22.9	0.50	ug/l	25.0	ND	92	76-131			
Chlorobenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
Chloroethane	24.3	1.0	ug/l	25.0	ND	97	67-134			
Chloroform	23.0	0.50	ug/l	25.0	1.20	87	70-130			
Chloromethane	22.0	1.0	ug/l	25.0	ND	88	50-135			
2-Chlorotoluene	21.7	0.50	ug/l	25.0	ND	87	70-130			
4-Chlorotoluene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dibromochloromethane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,2-Dibromo-3-chloropropane	23.2	2.5	ug/l	25.0	ND	93	60-135			
1,2-Dibromoethane (EDB)	23.5	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	23.2	0.50	ug/l	25.0	ND	93	70-130			
1,2-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,4-Dichlorobenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dichlorodifluoromethane	22.7	0.50	ug/l	25.0	ND	91	36-150			
1,1-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	70-130			
1,2-Dichloroethane	22.9	0.50	ug/l	25.0	ND	92	68-143			
1,1-Dichloroethene	26.8	0.50	ug/l	25.0	ND	107	70-130			
cis-1,2-Dichloroethene	21.7	0.50	ug/l	25.0	ND	87	70-130			
trans-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichloropropane	22.9	0.50	ug/l	25.0	ND	91	70-130			
2,2-Dichloropropane	22.1	1.0	ug/l	25.0	ND	88	66-130			

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Report Number: PUC0730

Sampled: 03/10/11
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					**Source: PUC0827-02**					
1,1-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
cis-1,3-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
trans-1,3-Dichloropropene	24.6	0.50	ug/l	25.0	ND	98	71-132			
Ethylbenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Hexachlorobutadiene	23.7	1.0	ug/l	25.0	ND	95	66-129			
2-Hexanone	25.8	2.5	ug/l	25.0	ND	103	18-150			
Iodomethane	35.6	2.5	ug/l	25.0	ND	142	47-141			*N1*
Isopropylbenzene	24.9	0.50	ug/l	25.0	ND	99	78-137			
p-Isopropyltoluene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Methylene Chloride	26.8	1.0	ug/l	25.0	ND	107	74-132			
4-Methyl-2-pentanone (MIBK)	25.0	2.5	ug/l	25.0	ND	100	56-145			
Methyl-tert-butyl Ether (MTBE)	22.3	0.50	ug/l	25.0	ND	89	67-138			
Naphthalene	23.6	2.5	ug/l	25.0	ND	95	54-135			
n-Propylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Styrene	21.4	0.50	ug/l	25.0	ND	86	51-123			
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130			
1,1,2,2-Tetrachloroethane	23.8	0.50	ug/l	25.0	ND	95	69-133			
Tetrachloroethene	23.8	0.50	ug/l	25.0	1.89	88	70-130			
Toluene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,2,3-Trichlorobenzene	25.3	1.0	ug/l	25.0	ND	101	70-130			
1,2,4-Trichlorobenzene	25.4	1.0	ug/l	25.0	ND	102	66-126			
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	76-132			
1,1,2-Trichloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130			
Trichloroethene	22.0	0.50	ug/l	25.0	0.400	87	70-130			
Trichlorofluoromethane	27.1	0.50	ug/l	25.0	ND	108	74-150			
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0	ND	91	70-130			
1,2,4-Trimethylbenzene	23.4	0.50	ug/l	25.0	ND	93	70-130			
1,3,5-Trimethylbenzene	22.9	0.50	ug/l	25.0	ND	91	61-138			
Vinyl Acetate	28.1	1.0	ug/l	25.0	ND	112	50-150			
Vinyl chloride	23.5	0.50	ug/l	25.0	ND	94	58-139			
Xylenes, Total	43.3	1.0	ug/l	50.0	ND	87	70-130			
Freon 113	26.4	2.0	ug/l	25.0	ND	106	56-148			
Surrogate: Dibromofluoromethane	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.5*		*ug/l*	*25.0*		*86*	*70-130*			

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
Acetone	26.7	10	ug/l	25.0	ND	107	10-150	15	35	
Benzene	21.7	0.50	ug/l	25.0	ND	87	70-130	0.5	20	
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130	0.04	20	
Bromochloromethane	22.0	0.50	ug/l	25.0	ND	88	70-130	3	20	
Bromodichloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Bromoform	23.7	1.0	ug/l	25.0	ND	95	62-126	0.3	20	
Bromomethane	21.9	1.0	ug/l	25.0	ND	88	55-136	0.5	24	
2-Butanone (MEK)	24.7	2.5	ug/l	25.0	ND	99	22-150	4	31	
n-Butylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.3	20	
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.3	20	
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.09	20	
Carbon disulfide	25.2	0.50	ug/l	25.0	ND	101	56-132	19	20	
Carbon tetrachloride	23.3	0.50	ug/l	25.0	ND	93	76-131	2	20	
Chlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130	2	20	
Chloroethane	22.4	1.0	ug/l	25.0	ND	90	67-134	8	20	
Chloroform	22.7	0.50	ug/l	25.0	1.20	86	70-130	1	20	
Chloromethane	19.9	1.0	ug/l	25.0	ND	80	50-135	10	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
4-Chlorotoluene	22.8	0.50	ug/l	25.0	ND	91	70-130	1	20	
Dibromochloromethane	22.5	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
1,2-Dibromo-3-chloropropane	24.0	2.5	ug/l	25.0	ND	96	60-135	4	29	
1,2-Dibromoethane (EDB)	22.8	0.50	ug/l	25.0	ND	91	70-130	3	20	
Dibromomethane	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
1,2-Dichlorobenzene	22.3	0.50	ug/l	25.0	ND	89	70-130	2	20	
1,3-Dichlorobenzene	22.5	0.50	ug/l	25.0	ND	90	70-130	1	20	
1,4-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Dichlorodifluoromethane	22.2	0.50	ug/l	25.0	ND	89	36-150	2	22	
1,1-Dichloroethane	21.4	0.50	ug/l	25.0	ND	86	70-130	2	20	
1,2-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	68-143	5	20	
1,1-Dichloroethene	21.4	0.50	ug/l	25.0	ND	86	70-130	22	20	*R1*
cis-1,2-Dichloroethene	20.6	0.50	ug/l	25.0	ND	82	70-130	5	20	
trans-1,2-Dichloroethene	22.0	0.50	ug/l	25.0	ND	88	70-130	2	20	
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130	0.09	20	
1,3-Dichloropropane	22.3	0.50	ug/l	25.0	ND	89	70-130	3	20	
2,2-Dichloropropane	21.6	1.0	ug/l	25.0	ND	86	66-130	2	20	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
1,1-Dichloropropene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.7	20	
cis-1,3-Dichloropropene	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
trans-1,3-Dichloropropene	23.8	0.50	ug/l	25.0	ND	95	71-132	3	20	
Ethylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
Hexachlorobutadiene	23.6	1.0	ug/l	25.0	ND	95	66-129	0.2	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	29.0	2.5	ug/l	25.0	ND	116	47-141	20	29	
Isopropylbenzene	25.0	0.50	ug/l	25.0	ND	100	78-137	0.6	20	
p-Isopropyltoluene	23.0	0.50	ug/l	25.0	ND	92	70-130	1	20	
Methylene Chloride	21.3	1.0	ug/l	25.0	ND	85	74-132	23	20	*R1*
4-Methyl-2-pentanone (MIBK)	24.6	2.5	ug/l	25.0	ND	98	56-145	2	26	
Methyl-tert-butyl Ether (MTBE)	21.7	0.50	ug/l	25.0	ND	87	67-138	3	21	
Naphthalene	24.6	2.5	ug/l	25.0	ND	98	54-135	4	33	
n-Propylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.5	20	
Styrene	21.4	0.50	ug/l	25.0	ND	85	51-123	0.2	21	
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/l	25.0	ND	90	70-130	2	20	
1,1,2,2-Tetrachloroethane	23.4	0.50	ug/l	25.0	ND	94	69-133	1	20	
Tetrachloroethene	24.2	0.50	ug/l	25.0	1.89	89	70-130	1	20	
Toluene	22.2	0.50	ug/l	25.0	ND	89	70-130	3	20	
1,2,3-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	70-130	2	20	
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0	ND	99	66-126	2	20	
1,1,1-Trichloroethane	22.3	0.50	ug/l	25.0	ND	89	76-132	2	20	
1,1,2-Trichloroethane	22.6	0.50	ug/l	25.0	ND	90	70-130	1	20	
Trichloroethene	22.6	0.50	ug/l	25.0	0.400	89	70-130	3	20	
Trichlorofluoromethane	25.7	0.50	ug/l	25.0	ND	103	74-150	5	20	
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0	ND	96	70-130	5	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0	ND	93	70-130	0.4	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0	ND	91	61-138	0.4	33	
Vinyl Acetate	26.4	1.0	ug/l	25.0	ND	105	50-150	6	23	
Vinyl chloride	23.2	0.50	ug/l	25.0	ND	93	58-139	1	21	
Xylenes, Total	43.5	1.0	ug/l	50.0	ND	87	70-130	0.3	20	
Freon 113	20.4	2.0	ug/l	25.0	ND	82	56-148	26	22	*R1*
Surrogate: Dibromofluoromethane	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0526 Extracted: 03/14/11										
Blank Analyzed: 03/16/2011 (11C0526-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.5*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*15.7*		*ug/l*	*20.0*		*79*	*30-130*			
LCS Analyzed: 03/16/2011 (11C0526-BS1)										**Q8**
1,4-Dioxane	20.9	1.0	ug/l	20.0		104	85-115			
Surrogate: 1,4-Dioxane-d8	*12.9*		*ug/l*	*20.0*		*64*	*30-105*			
Surrogate: Nitrobenzene-d5	*14.9*		*ug/l*	*20.0*		*74*	*35-140*			
LCS Dup Analyzed: 03/16/2011 (11C0526-BSD1)										**Q8**
1,4-Dioxane	20.8	1.0	ug/l	20.0		104	85-115	0.3	20	
Surrogate: 1,4-Dioxane-d8	*14.2*		*ug/l*	*20.0*		*71*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.6*		*ug/l*	*20.0*		*83*	*35-140*			

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Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

DATA QUALIFIERS AND DEFINITIONS

N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Project Manager

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7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[ ] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

Client Name/Address: ERM
7272 E Indian School Rd, Suite 100

Project/PO Number: 0096498.009

Project Manager: Jason Hilker
Send report to: Jason Hilker@ERM.com

Phone Number: 480-998-2401

Sampler: Adam Nagle

Fax Number: 480-998-2106

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane Only (8270C)								Special Instructions
OU3-1M-A-031011	W	40ml / 1L	3 / 2	3/10/11	1610	HCl / -	x	x		PU10730-01						Level 3

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)	
ERM	3/10 1724			same day ____	72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____	5 days ____
				48 hours ____	normal ✓
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time: 3/10/11 1724	Sample Integrity: (Check)	
				intact ✓	on ice ✓

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

1.2°C

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.009

Sampled: 03/11/11
Received: 03/11/11
Issued: 03/22/11 06:26

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC0829-01	OU3-8M2-M-031111	Water

SAMPLE RECEIPT: Samples were received intact, at 4°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1-The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0829-01 (OU3-8M2-M-031111 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0694	10	ND	1	3/18/2011	3/18/2011	
Benzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromodichloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromoform	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Bromomethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Butanone (MEK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
sec-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
tert-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon disulfide	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon tetrachloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloroethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Chloroform	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloromethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
4-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromomethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dichlorodifluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	**3.6**	1	3/18/2011	3/18/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
2,2-Dichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Ethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Hexachlorobutadiene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0829-01 (OU3-8M2-M-031111 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Iodomethane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Isopropylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
p-Isopropyltoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Methylene Chloride	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Naphthalene	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Propylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Styrene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Tetrachloroethene	EPA 8260B	11C0694	0.50	**0.97**	1	3/18/2011	3/18/2011	
Toluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichloroethene	EPA 8260B	11C0694	0.50	**29**	1	3/18/2011	3/18/2011	
Trichlorofluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Vinyl Acetate	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Vinyl chloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Xylenes, Total	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Freon 113	EPA 8260B	11C0694	2.0	ND	1	3/18/2011	3/18/2011	
Surrogate: Dibromofluoromethane (70-130%)				*87 %*				
Surrogate: Toluene-d8 (70-130%)				*86 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*84 %*				

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0829-01 (OU3-8M2-M-031111 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/17/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*70 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*79 %*				

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*21.4*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*20.6*		*ug/l*	*25.0*		*83*	*70-130*			

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
Acetone	29.0	10	ug/l	25.0		116	30-150			
Benzene	20.5	0.50	ug/l	25.0		82	70-130			
Bromobenzene	23.0	0.50	ug/l	25.0		92	70-130			
Bromochloromethane	20.7	0.50	ug/l	25.0		83	70-130			
Bromodichloromethane	21.9	0.50	ug/l	25.0		88	70-130			
Bromoform	22.6	1.0	ug/l	25.0		91	67-122			
Bromomethane	20.6	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	24.1	2.5	ug/l	25.0		97	48-150			
n-Butylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
sec-Butylbenzene	22.4	0.50	ug/l	25.0		90	70-130			
tert-Butylbenzene	22.5	0.50	ug/l	25.0		90	70-130			
Carbon disulfide	24.2	0.50	ug/l	25.0		97	61-126			
Carbon tetrachloride	22.1	0.50	ug/l	25.0		88	70-130			
Chlorobenzene	21.6	0.50	ug/l	25.0		87	70-130			
Chloroethane	21.2	1.0	ug/l	25.0		85	69-128			
Chloroform	19.9	0.50	ug/l	25.0		80	70-130			
Chloromethane	22.1	1.0	ug/l	25.0		88	56-131			
2-Chlorotoluene	21.8	0.50	ug/l	25.0		87	70-130			
4-Chlorotoluene	22.9	0.50	ug/l	25.0		92	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	23.7	2.5	ug/l	25.0		95	63-129			
1,2-Dibromoethane (EDB)	22.1	0.50	ug/l	25.0		88	70-130			
Dibromomethane	21.2	0.50	ug/l	25.0		85	70-130			
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130			
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
1,4-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
Dichlorodifluoromethane	21.2	0.50	ug/l	25.0		85	42-150			
1,1-Dichloroethane	20.2	0.50	ug/l	25.0		81	70-130			
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133			
1,1-Dichloroethene	20.5	0.50	ug/l	25.0		82	70-130			
cis-1,2-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130			
trans-1,2-Dichloroethene	20.8	0.50	ug/l	25.0		83	70-130			
1,2-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
1,3-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
2,2-Dichloropropane	21.3	1.0	ug/l	25.0		85	70-130			

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Attention: Jason Hilker

Project ID: 0096498.009
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
1,1-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
trans-1,3-Dichloropropene	22.8	0.50	ug/l	25.0		91	70-130			
Ethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
Hexachlorobutadiene	23.6	1.0	ug/l	25.0		95	70-130			
2-Hexanone	25.9	2.5	ug/l	25.0		104	44-150			
Iodomethane	24.7	2.5	ug/l	25.0		99	58-138			
Isopropylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
p-Isopropyltoluene	22.9	0.50	ug/l	25.0		92	70-130			
Methylene Chloride	20.4	1.0	ug/l	25.0		82	70-130			
4-Methyl-2-pentanone (MIBK)	23.7	2.5	ug/l	25.0		95	61-142			
Methyl-tert-butyl Ether (MTBE)	19.4	0.50	ug/l	25.0		77	70-130			
Naphthalene	23.1	2.5	ug/l	25.0		93	65-129			
n-Propylbenzene	23.4	0.50	ug/l	25.0		94	70-130			
Styrene	22.7	0.50	ug/l	25.0		91	70-130			
1,1,1,2-Tetrachloroethane	21.8	0.50	ug/l	25.0		87	70-130			
1,1,2,2-Tetrachloroethane	22.8	0.50	ug/l	25.0		91	70-130			
Tetrachloroethene	21.7	0.50	ug/l	25.0		87	70-130			
Toluene	21.6	0.50	ug/l	25.0		86	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0		94	70-130			
1,2,4-Trichlorobenzene	24.1	1.0	ug/l	25.0		96	70-130			
1,1,1-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
1,1,2-Trichloroethane	21.5	0.50	ug/l	25.0		86	70-130			
Trichloroethene	21.3	0.50	ug/l	25.0		85	70-130			
Trichlorofluoromethane	19.5	0.50	ug/l	25.0		78	78-149			
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0		96	70-130			
1,2,4-Trimethylbenzene	23.3	0.50	ug/l	25.0		93	70-130			
1,3,5-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
Vinyl Acetate	25.6	1.0	ug/l	25.0		102	57-149			
Vinyl chloride	22.2	0.50	ug/l	25.0		89	66-134			
Xylenes, Total	43.0	1.0	ug/l	50.0		86	70-130			
Freon 113	20.3	2.0	ug/l	25.0		81	63-136			
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.9*		*ug/l*	*25.0*		*88*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.2*		*ug/l*	*25.0*		*85*	*70-130*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
Acetone	30.9	10	ug/l	25.0		124	30-150	6	35	
Benzene	21.1	0.50	ug/l	25.0		85	70-130	3	20	
Bromobenzene	22.8	0.50	ug/l	25.0		91	70-130	1	20	
Bromochloromethane	21.3	0.50	ug/l	25.0		85	70-130	3	20	
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130	3	20	
Bromoform	22.1	1.0	ug/l	25.0		88	67-122	2	20	
Bromomethane	22.2	1.0	ug/l	25.0		89	64-132	7	20	
2-Butanone (MEK)	24.4	2.5	ug/l	25.0		98	48-150	1	33	
n-Butylbenzene	23.3	0.50	ug/l	25.0		93	70-130	0.3	20	
sec-Butylbenzene	22.7	0.50	ug/l	25.0		91	70-130	1	20	
tert-Butylbenzene	22.4	0.50	ug/l	25.0		89	70-130	0.7	20	
Carbon disulfide	24.9	0.50	ug/l	25.0		99	61-126	3	20	
Carbon tetrachloride	22.7	0.50	ug/l	25.0		91	70-130	3	20	
Chlorobenzene	21.7	0.50	ug/l	25.0		87	70-130	0.2	20	
Chloroethane	22.3	1.0	ug/l	25.0		89	69-128	5	20	
Chloroform	20.8	0.50	ug/l	25.0		83	70-130	4	20	
Chloromethane	23.2	1.0	ug/l	25.0		93	56-131	5	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0		88	70-130	0.7	20	
4-Chlorotoluene	22.6	0.50	ug/l	25.0		90	70-130	1	20	
Dibromochloromethane	21.9	0.50	ug/l	25.0		88	70-130	1	20	
1,2-Dibromo-3-chloropropane	22.3	2.5	ug/l	25.0		89	63-129	6	25	
1,2-Dibromoethane (EDB)	21.9	0.50	ug/l	25.0		88	70-130	0.6	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	2	20	
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130	0	20	
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130	0	20	
1,4-Dichlorobenzene	22.1	0.50	ug/l	25.0		88	70-130	0.8	20	
Dichlorodifluoromethane	21.8	0.50	ug/l	25.0		87	42-150	3	20	
1,1-Dichloroethane	21.5	0.50	ug/l	25.0		86	70-130	6	20	
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133	3	20	
1,1-Dichloroethene	21.8	0.50	ug/l	25.0		87	70-130	6	20	
cis-1,2-Dichloroethene	20.1	0.50	ug/l	25.0		80	70-130	0.4	20	
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130	5	20	
1,2-Dichloropropane	21.6	0.50	ug/l	25.0		86	70-130	1	20	
1,3-Dichloropropane	21.2	0.50	ug/l	25.0		85	70-130	0.4	20	
2,2-Dichloropropane	21.5	1.0	ug/l	25.0		86	70-130	1	20	

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
1,1-Dichloropropene	22.1	0.50	ug/l	25.0		88	70-130	2	20	
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130	0	20	
trans-1,3-Dichloropropene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
Ethylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Hexachlorobutadiene	23.7	1.0	ug/l	25.0		95	70-130	0.04	20	
2-Hexanone	22.8	2.5	ug/l	25.0		91	44-150	13	31	
Iodomethane	28.8	2.5	ug/l	25.0		115	58-138	15	25	
Isopropylbenzene	25.0	0.50	ug/l	25.0		100	70-130	1	20	
p-Isopropyltoluene	23.1	0.50	ug/l	25.0		92	70-130	0.8	20	
Methylene Chloride	20.8	1.0	ug/l	25.0		83	70-130	2	20	
4-Methyl-2-pentanone (MIBK)	23.2	2.5	ug/l	25.0		93	61-142	2	22	
Methyl-tert-butyl Ether (MTBE)	20.2	0.50	ug/l	25.0		81	70-130	4	20	
Naphthalene	23.4	2.5	ug/l	25.0		94	65-129	1	20	
n-Propylbenzene	23.4	0.50	ug/l	25.0		93	70-130	0.3	20	
Styrene	22.5	0.50	ug/l	25.0		90	70-130	0.8	20	
1,1,1,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	0.8	20	
1,1,2,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	5	20	
Tetrachloroethene	22.2	0.50	ug/l	25.0		89	70-130	2	20	
Toluene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130	2	20	
1,2,4-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130	2	20	
1,1,1-Trichloroethane	21.8	0.50	ug/l	25.0		87	70-130	3	20	
1,1,2-Trichloroethane	21.4	0.50	ug/l	25.0		85	70-130	0.7	20	
Trichloroethene	21.5	0.50	ug/l	25.0		86	70-130	1	20	
Trichlorofluoromethane	24.4	0.50	ug/l	25.0		98	78-149	22	20	*R6*
1,2,3-Trichloropropane	22.0	1.0	ug/l	25.0		88	70-130	9	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130	0.3	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0		91	70-130	2	20	
Vinyl Acetate	25.8	1.0	ug/l	25.0		103	57-149	0.8	21	
Vinyl chloride	22.4	0.50	ug/l	25.0		90	66-134	1	20	
Xylenes, Total	43.3	1.0	ug/l	50.0		87	70-130	0.6	20	
Freon 113	20.8	2.0	ug/l	25.0		83	63-136	2	20	
Surrogate: Dibromofluoromethane	*21.9*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.6*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			

TestAmerica Phoenix

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					**Source: PUC0827-02**					
Acetone	31.2	10	ug/l	25.0	ND	125	10-150			
Benzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130			
Bromochloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130			
Bromodichloromethane	22.4	0.50	ug/l	25.0	ND	90	70-130			
Bromoform	23.8	1.0	ug/l	25.0	ND	95	62-126			
Bromomethane	22.0	1.0	ug/l	25.0	ND	88	55-136			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0	ND	103	22-150			
n-Butylbenzene	23.5	0.50	ug/l	25.0	ND	94	70-130			
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Carbon disulfide	30.5	0.50	ug/l	25.0	ND	122	56-132			
Carbon tetrachloride	22.9	0.50	ug/l	25.0	ND	92	76-131			
Chlorobenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
Chloroethane	24.3	1.0	ug/l	25.0	ND	97	67-134			
Chloroform	23.0	0.50	ug/l	25.0	1.20	87	70-130			
Chloromethane	22.0	1.0	ug/l	25.0	ND	88	50-135			
2-Chlorotoluene	21.7	0.50	ug/l	25.0	ND	87	70-130			
4-Chlorotoluene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dibromochloromethane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,2-Dibromo-3-chloropropane	23.2	2.5	ug/l	25.0	ND	93	60-135			
1,2-Dibromoethane (EDB)	23.5	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	23.2	0.50	ug/l	25.0	ND	93	70-130			
1,2-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,4-Dichlorobenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dichlorodifluoromethane	22.7	0.50	ug/l	25.0	ND	91	36-150			
1,1-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	70-130			
1,2-Dichloroethane	22.9	0.50	ug/l	25.0	ND	92	68-143			
1,1-Dichloroethene	26.8	0.50	ug/l	25.0	ND	107	70-130			
cis-1,2-Dichloroethene	21.7	0.50	ug/l	25.0	ND	87	70-130			
trans-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichloropropane	22.9	0.50	ug/l	25.0	ND	91	70-130			
2,2-Dichloropropane	22.1	1.0	ug/l	25.0	ND	88	66-130			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					**Source: PUC0827-02**					
1,1-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
cis-1,3-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
trans-1,3-Dichloropropene	24.6	0.50	ug/l	25.0	ND	98	71-132			
Ethylbenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Hexachlorobutadiene	23.7	1.0	ug/l	25.0	ND	95	66-129			
2-Hexanone	25.8	2.5	ug/l	25.0	ND	103	18-150			
Iodomethane	35.6	2.5	ug/l	25.0	ND	142	47-141			*N1*
Isopropylbenzene	24.9	0.50	ug/l	25.0	ND	99	78-137			
p-Isopropyltoluene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Methylene Chloride	26.8	1.0	ug/l	25.0	ND	107	74-132			
4-Methyl-2-pentanone (MIBK)	25.0	2.5	ug/l	25.0	ND	100	56-145			
Methyl-tert-butyl Ether (MTBE)	22.3	0.50	ug/l	25.0	ND	89	67-138			
Naphthalene	23.6	2.5	ug/l	25.0	ND	95	54-135			
n-Propylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Styrene	21.4	0.50	ug/l	25.0	ND	86	51-123			
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130			
1,1,2,2-Tetrachloroethane	23.8	0.50	ug/l	25.0	ND	95	69-133			
Tetrachloroethene	23.8	0.50	ug/l	25.0	1.89	88	70-130			
Toluene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,2,3-Trichlorobenzene	25.3	1.0	ug/l	25.0	ND	101	70-130			
1,2,4-Trichlorobenzene	25.4	1.0	ug/l	25.0	ND	102	66-126			
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	76-132			
1,1,2-Trichloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130			
Trichloroethene	22.0	0.50	ug/l	25.0	0.400	87	70-130			
Trichlorofluoromethane	27.1	0.50	ug/l	25.0	ND	108	74-150			
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0	ND	91	70-130			
1,2,4-Trimethylbenzene	23.4	0.50	ug/l	25.0	ND	93	70-130			
1,3,5-Trimethylbenzene	22.9	0.50	ug/l	25.0	ND	91	61-138			
Vinyl Acetate	28.1	1.0	ug/l	25.0	ND	112	50-150			
Vinyl chloride	23.5	0.50	ug/l	25.0	ND	94	58-139			
Xylenes, Total	43.3	1.0	ug/l	50.0	ND	87	70-130			
Freon 113	26.4	2.0	ug/l	25.0	ND	106	56-148			
Surrogate: Dibromofluoromethane	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.5*		*ug/l*	*25.0*		*86*	*70-130*			

TestAmerica Phoenix

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
Acetone	26.7	10	ug/l	25.0	ND	107	10-150	15	35	
Benzene	21.7	0.50	ug/l	25.0	ND	87	70-130	0.5	20	
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130	0.04	20	
Bromochloromethane	22.0	0.50	ug/l	25.0	ND	88	70-130	3	20	
Bromodichloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Bromoform	23.7	1.0	ug/l	25.0	ND	95	62-126	0.3	20	
Bromomethane	21.9	1.0	ug/l	25.0	ND	88	55-136	0.5	24	
2-Butanone (MEK)	24.7	2.5	ug/l	25.0	ND	99	22-150	4	31	
n-Butylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.3	20	
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.3	20	
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.09	20	
Carbon disulfide	25.2	0.50	ug/l	25.0	ND	101	56-132	19	20	
Carbon tetrachloride	23.3	0.50	ug/l	25.0	ND	93	76-131	2	20	
Chlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130	2	20	
Chloroethane	22.4	1.0	ug/l	25.0	ND	90	67-134	8	20	
Chloroform	22.7	0.50	ug/l	25.0	1.20	86	70-130	1	20	
Chloromethane	19.9	1.0	ug/l	25.0	ND	80	50-135	10	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
4-Chlorotoluene	22.8	0.50	ug/l	25.0	ND	91	70-130	1	20	
Dibromochloromethane	22.5	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
1,2-Dibromo-3-chloropropane	24.0	2.5	ug/l	25.0	ND	96	60-135	4	29	
1,2-Dibromoethane (EDB)	22.8	0.50	ug/l	25.0	ND	91	70-130	3	20	
Dibromomethane	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
1,2-Dichlorobenzene	22.3	0.50	ug/l	25.0	ND	89	70-130	2	20	
1,3-Dichlorobenzene	22.5	0.50	ug/l	25.0	ND	90	70-130	1	20	
1,4-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Dichlorodifluoromethane	22.2	0.50	ug/l	25.0	ND	89	36-150	2	22	
1,1-Dichloroethane	21.4	0.50	ug/l	25.0	ND	86	70-130	2	20	
1,2-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	68-143	5	20	
1,1-Dichloroethene	21.4	0.50	ug/l	25.0	ND	86	70-130	22	20	*R1*
cis-1,2-Dichloroethene	20.6	0.50	ug/l	25.0	ND	82	70-130	5	20	
trans-1,2-Dichloroethene	22.0	0.50	ug/l	25.0	ND	88	70-130	2	20	
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130	0.09	20	
1,3-Dichloropropane	22.3	0.50	ug/l	25.0	ND	89	70-130	3	20	
2,2-Dichloropropane	21.6	1.0	ug/l	25.0	ND	86	66-130	2	20	

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
1,1-Dichloropropene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.7	20	
cis-1,3-Dichloropropene	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
trans-1,3-Dichloropropene	23.8	0.50	ug/l	25.0	ND	95	71-132	3	20	
Ethylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
Hexachlorobutadiene	23.6	1.0	ug/l	25.0	ND	95	66-129	0.2	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	29.0	2.5	ug/l	25.0	ND	116	47-141	20	29	
Isopropylbenzene	25.0	0.50	ug/l	25.0	ND	100	78-137	0.6	20	
p-Isopropyltoluene	23.0	0.50	ug/l	25.0	ND	92	70-130	1	20	
Methylene Chloride	21.3	1.0	ug/l	25.0	ND	85	74-132	23	20	*R1*
4-Methyl-2-pentanone (MIBK)	24.6	2.5	ug/l	25.0	ND	98	56-145	2	26	
Methyl-tert-butyl Ether (MTBE)	21.7	0.50	ug/l	25.0	ND	87	67-138	3	21	
Naphthalene	24.6	2.5	ug/l	25.0	ND	98	54-135	4	33	
n-Propylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.5	20	
Styrene	21.4	0.50	ug/l	25.0	ND	85	51-123	0.2	21	
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/l	25.0	ND	90	70-130	2	20	
1,1,2,2-Tetrachloroethane	23.4	0.50	ug/l	25.0	ND	94	69-133	1	20	
Tetrachloroethene	24.2	0.50	ug/l	25.0	1.89	89	70-130	1	20	
Toluene	22.2	0.50	ug/l	25.0	ND	89	70-130	3	20	
1,2,3-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	70-130	2	20	
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0	ND	99	66-126	2	20	
1,1,1-Trichloroethane	22.3	0.50	ug/l	25.0	ND	89	76-132	2	20	
1,1,2-Trichloroethane	22.6	0.50	ug/l	25.0	ND	90	70-130	1	20	
Trichloroethene	22.6	0.50	ug/l	25.0	0.400	89	70-130	3	20	
Trichlorofluoromethane	25.7	0.50	ug/l	25.0	ND	103	74-150	5	20	
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0	ND	96	70-130	5	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0	ND	93	70-130	0.4	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0	ND	91	61-138	0.4	33	
Vinyl Acetate	26.4	1.0	ug/l	25.0	ND	105	50-150	6	23	
Vinyl chloride	23.2	0.50	ug/l	25.0	ND	93	58-139	1	21	
Xylenes, Total	43.5	1.0	ug/l	50.0	ND	87	70-130	0.3	20	
Freon 113	20.4	2.0	ug/l	25.0	ND	82	56-148	26	22	*R1*
Surrogate: Dibromofluoromethane	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0526 Extracted: 03/14/11										
Blank Analyzed: 03/16/2011 (11C0526-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.5*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*15.7*		*ug/l*	*20.0*		*79*	*30-130*			
LCS Analyzed: 03/16/2011 (11C0526-BS1)										**Q8**
1,4-Dioxane	20.9	1.0	ug/l	20.0		104	85-115			
Surrogate: 1,4-Dioxane-d8	*12.9*		*ug/l*	*20.0*		*64*	*30-105*			
Surrogate: Nitrobenzene-d5	*14.9*		*ug/l*	*20.0*		*74*	*35-140*			
LCS Dup Analyzed: 03/16/2011 (11C0526-BSD1)										**Q8**
1,4-Dioxane	20.8	1.0	ug/l	20.0		104	85-115	0.3	20	
Surrogate: 1,4-Dioxane-d8	*14.2*		*ug/l*	*20.0*		*71*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.6*		*ug/l*	*20.0*		*83*	*35-140*			

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Project Manager

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Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

DATA QUALIFIERS AND DEFINITIONS

N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0829

Sampled: 03/11/11
Received: 03/11/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Kylie Emily
Project Manager

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TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[ ] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

Client Name/Address: ERM
7272 E. Indian School Rd
Scottsdale, AZ, 85251

Project/PO Number: 0096498.009

Project Manager: Jason Hilker
Send Report to: Jason.Hilker@ERM.com

Phone Number: 480-998-2401

Sampler: Adam Nagle

Fax Number: 480-998-2106

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane only (8270C)								Special Instructions
003-SM2-M-031111	W	40mL / 1L	3 / 2	3/11/11	1500	HCl / -	X	X		PUC0829-01						LEVEL 3

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)
ERM	3/11 1622			same day ____ 72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____ 5 days ____
				48 hours ____ normal ✓
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time:	Sample Integrity: (Check)
			3/11/11 1622	intact ✓ on ice ✓

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

3.8°C

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.009

Sampled: 03/11/11
Received: 03/11/11
Issued: 03/22/11 06:17

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC0827-01	OU3-9M2-M-031111	Water
PUC0827-02	OU3-9S-S-031111	Water
PUC0827-03	OU3-8D-D-031111	Water
PUC0827-04	OU3-8S-S-031111	Water
PUC0827-05	GW-EB4-031111	Water
PUC0827-06	GW-L1-5-031111	Water

SAMPLE RECEIPT: Samples were received intact, at 4°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1-The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0827-01 (OU3-9M2-M-031111 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0694	10	ND	1	3/18/2011	3/18/2011	
Benzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromodichloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromoform	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Bromomethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Butanone (MEK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
sec-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
tert-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon disulfide	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon tetrachloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloroethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Chloroform	EPA 8260B	11C0694	0.50	**1.4**	1	3/18/2011	3/18/2011	
Chloromethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
4-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromomethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dichlorodifluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
2,2-Dichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Ethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Hexachlorobutadiene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0827-01 (OU3-9M2-M-031111 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Iodomethane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Isopropylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
p-Isopropyltoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Methylene Chloride	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Naphthalene	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Propylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Styrene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Tetrachloroethene	EPA 8260B	11C0694	0.50	**2.4**	1	3/18/2011	3/18/2011	
Toluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichloroethene	EPA 8260B	11C0694	0.50	**2.0**	1	3/18/2011	3/18/2011	
Trichlorofluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Vinyl Acetate	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Vinyl chloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Xylenes, Total	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Freon 113	EPA 8260B	11C0694	2.0	ND	1	3/18/2011	3/18/2011	
Surrogate: Dibromofluoromethane (70-130%)				*87 %*				
Surrogate: Toluene-d8 (70-130%)				*86 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*85 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0827-02 (OU3-9S-S-031111 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0694	10	ND	1	3/18/2011	3/18/2011	
Benzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromodichloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromoform	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Bromomethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Butanone (MEK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
sec-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
tert-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon disulfide	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon tetrachloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloroethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Chloroform	EPA 8260B	11C0694	0.50	**1.2**	1	3/18/2011	3/18/2011	
Chloromethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
4-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromomethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dichlorodifluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
2,2-Dichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Ethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Hexachlorobutadiene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0827-02 (OU3-9S-S-031111 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Iodomethane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	N1
Isopropylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
p-Isopropyltoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Methylene Chloride	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Naphthalene	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Propylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Styrene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Tetrachloroethene	EPA 8260B	11C0694	0.50	**1.9**	1	3/18/2011	3/18/2011	
Toluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichlorofluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Vinyl Acetate	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Vinyl chloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Xylenes, Total	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Freon 113	EPA 8260B	11C0694	2.0	ND	1	3/18/2011	3/18/2011	
Surrogate: Dibromofluoromethane (70-130%)				*89 %*				
Surrogate: Toluene-d8 (70-130%)				*89 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*85 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0827-03 (OU3-8D-D-031111 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0694	10	ND	1	3/18/2011	3/18/2011	
Benzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromodichloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromoform	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Bromomethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Butanone (MEK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
sec-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
tert-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon disulfide	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon tetrachloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloroethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Chloroform	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloromethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
4-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromomethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dichlorodifluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
2,2-Dichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Ethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Hexachlorobutadiene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0827-03 (OU3-8D-D-031111 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Iodomethane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Isopropylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
p-Isopropyltoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Methylene Chloride	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Naphthalene	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Propylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Styrene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Tetrachloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Toluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichlorofluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Vinyl Acetate	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Vinyl chloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Xylenes, Total	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Freon 113	EPA 8260B	11C0694	2.0	ND	1	3/18/2011	3/18/2011	
Surrogate: Dibromofluoromethane (70-130%)				*88 %*				
Surrogate: Toluene-d8 (70-130%)				*86 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*85 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0827-04 (OU3-8S-S-031111 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0694	10	ND	1	3/18/2011	3/18/2011	
Benzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromodichloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromoform	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Bromomethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Butanone (MEK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
sec-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
tert-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon disulfide	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon tetrachloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloroethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Chloroform	EPA 8260B	11C0694	0.50	**1.4**	1	3/18/2011	3/18/2011	
Chloromethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
4-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromomethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dichlorodifluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	**1.5**	1	3/18/2011	3/18/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
2,2-Dichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Ethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Hexachlorobutadiene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0827-04 (OU3-8S-S-031111 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Iodomethane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Isopropylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
p-Isopropyltoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Methylene Chloride	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Naphthalene	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Propylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Styrene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Tetrachloroethene	EPA 8260B	11C0694	0.50	**0.91**	1	3/18/2011	3/18/2011	
Toluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichloroethene	EPA 8260B	11C0694	0.50	**11**	1	3/18/2011	3/18/2011	
Trichlorofluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Vinyl Acetate	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Vinyl chloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Xylenes, Total	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Freon 113	EPA 8260B	11C0694	2.0	ND	1	3/18/2011	3/18/2011	
Surrogate: Dibromofluoromethane (70-130%)				*88 %*				
Surrogate: Toluene-d8 (70-130%)				*86 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*85 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0827-05 (GW-EB4-031111 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0662	10	ND	1	3/17/2011	3/17/2011	
Benzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromochloromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromodichloromethane	EPA 8260B	11C0662	0.50	**3.4**	1	3/17/2011	3/17/2011	
Bromoform	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Bromomethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
2-Butanone (MEK)	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
n-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
sec-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
tert-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Carbon disulfide	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Carbon tetrachloride	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Chlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Chloroethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Chloroform	EPA 8260B	11C0662	0.50	**4.5**	1	3/17/2011	3/17/2011	
Chloromethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
2-Chlorotoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
4-Chlorotoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dibromochloromethane	EPA 8260B	11C0662	0.50	**1.2**	1	3/17/2011	3/17/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dibromomethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dichlorodifluoromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1-Dichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichloropropane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3-Dichloropropane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
2,2-Dichloropropane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,1-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Ethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Hexachlorobutadiene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0827-05 (GW-EB4-031111 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Iodomethane	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Isopropylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
p-Isopropyltoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Methylene Chloride	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Naphthalene	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
n-Propylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Styrene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Tetrachloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Toluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Trichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Trichlorofluoromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Vinyl Acetate	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Vinyl chloride	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Xylenes, Total	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Freon 113	EPA 8260B	11C0662	2.0	ND	1	3/17/2011	3/17/2011	
Surrogate: Dibromofluoromethane (70-130%)				*89 %*				
Surrogate: Toluene-d8 (70-130%)				*104 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*114 %*				

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Kylie Emily
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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0827-06 (GW-L1-5-031111 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0662	10	ND	1	3/17/2011	3/17/2011	
Benzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromochloromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromodichloromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromoform	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Bromomethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
2-Butanone (MEK)	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
n-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
sec-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
tert-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Carbon disulfide	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Carbon tetrachloride	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Chlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Chloroethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Chloroform	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Chloromethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
2-Chlorotoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
4-Chlorotoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dibromochloromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dibromomethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dichlorodifluoromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1-Dichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichloropropane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3-Dichloropropane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
2,2-Dichloropropane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,1-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Ethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Hexachlorobutadiene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0827-06 (GW-L1-5-031111 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Iodomethane	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Isopropylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
p-Isopropyltoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Methylene Chloride	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Naphthalene	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
n-Propylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Styrene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Tetrachloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Toluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Trichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Trichlorofluoromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Vinyl Acetate	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Vinyl chloride	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Xylenes, Total	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Freon 113	EPA 8260B	11C0662	2.0	ND	1	3/17/2011	3/17/2011	
Surrogate: Dibromofluoromethane (70-130%)				*86 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*115 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0827-01 (OU3-9M2-M-031111 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*73 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*82 %*				
Sample ID: PUC0827-02 (OU3-9S-S-031111 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*74 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*83 %*				
Sample ID: PUC0827-03 (OU3-8D-D-031111 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*75 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*83 %*				
Sample ID: PUC0827-04 (OU3-8S-S-031111 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.1	ND	1.14	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*69 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*80 %*				
Sample ID: PUC0827-05 (GW-EB4-031111 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*74 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*79 %*				

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
Blank Analyzed: 03/17/2011 (11C0662-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
Blank Analyzed: 03/17/2011 (11C0662-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*21.1*		*ug/l*	*25.0*		*84*	*70-130*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*27.9*		*ug/l*	*25.0*		*112*	*70-130*			

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Project Manager

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
LCS Analyzed: 03/17/2011 (11C0662-BS1)										
Acetone	23.6	10	ug/l	25.0		94	30-150			
Benzene	24.4	0.50	ug/l	25.0		97	70-130			
Bromobenzene	22.3	0.50	ug/l	25.0		89	70-130			
Bromochloromethane	19.3	0.50	ug/l	25.0		77	70-130			
Bromodichloromethane	25.8	0.50	ug/l	25.0		103	70-130			
Bromoform	21.7	1.0	ug/l	25.0		87	67-122			
Bromomethane	22.2	1.0	ug/l	25.0		89	64-132			
2-Butanone (MEK)	22.4	2.5	ug/l	25.0		89	48-150			
n-Butylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
sec-Butylbenzene	23.6	0.50	ug/l	25.0		94	70-130			
tert-Butylbenzene	22.5	0.50	ug/l	25.0		90	70-130			
Carbon disulfide	22.2	0.50	ug/l	25.0		89	61-126			
Carbon tetrachloride	28.1	0.50	ug/l	25.0		112	70-130			
Chlorobenzene	24.0	0.50	ug/l	25.0		96	70-130			
Chloroethane	22.5	1.0	ug/l	25.0		90	69-128			
Chloroform	22.2	0.50	ug/l	25.0		89	70-130			
Chloromethane	24.7	1.0	ug/l	25.0		99	56-131			
2-Chlorotoluene	22.8	0.50	ug/l	25.0		91	70-130			
4-Chlorotoluene	23.2	0.50	ug/l	25.0		93	70-130			
Dibromochloromethane	24.1	0.50	ug/l	25.0		96	70-130			
1,2-Dibromo-3-chloropropane	22.1	2.5	ug/l	25.0		88	63-129			
1,2-Dibromoethane (EDB)	22.6	0.50	ug/l	25.0		90	70-130			
Dibromomethane	25.6	0.50	ug/l	25.0		102	70-130			
1,2-Dichlorobenzene	22.3	0.50	ug/l	25.0		89	70-130			
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
1,4-Dichlorobenzene	21.9	0.50	ug/l	25.0		88	70-130			
Dichlorodifluoromethane	26.7	0.50	ug/l	25.0		107	42-150			
1,1-Dichloroethane	22.0	0.50	ug/l	25.0		88	70-130			
1,2-Dichloroethane	22.7	0.50	ug/l	25.0		91	72-133			
1,1-Dichloroethene	21.8	0.50	ug/l	25.0		87	70-130			
cis-1,2-Dichloroethene	20.3	0.50	ug/l	25.0		81	70-130			
trans-1,2-Dichloroethene	21.8	0.50	ug/l	25.0		87	70-130			
1,2-Dichloropropane	24.4	0.50	ug/l	25.0		97	70-130			
1,3-Dichloropropane	23.8	0.50	ug/l	25.0		95	70-130			
2,2-Dichloropropane	22.0	1.0	ug/l	25.0		88	70-130			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
LCS Analyzed: 03/17/2011 (11C0662-BS1)										
1,1-Dichloropropene	26.5	0.50	ug/l	25.0		106	70-130			
cis-1,3-Dichloropropene	25.1	0.50	ug/l	25.0		100	70-130			
trans-1,3-Dichloropropene	26.4	0.50	ug/l	25.0		106	70-130			
Ethylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
Hexachlorobutadiene	26.4	1.0	ug/l	25.0		106	70-130			
2-Hexanone	25.0	2.5	ug/l	25.0		100	44-150			
Iodomethane	22.8	2.5	ug/l	25.0		91	58-138			
Isopropylbenzene	25.0	0.50	ug/l	25.0		100	70-130			
p-Isopropyltoluene	24.0	0.50	ug/l	25.0		96	70-130			
Methylene Chloride	20.1	1.0	ug/l	25.0		80	70-130			
4-Methyl-2-pentanone (MIBK)	26.3	2.5	ug/l	25.0		105	61-142			
Methyl-tert-butyl Ether (MTBE)	20.8	0.50	ug/l	25.0		83	70-130			
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129			
n-Propylbenzene	23.6	0.50	ug/l	25.0		94	70-130			
Styrene	24.5	0.50	ug/l	25.0		98	70-130			
1,1,1,2-Tetrachloroethane	24.0	0.50	ug/l	25.0		96	70-130			
1,1,2,2-Tetrachloroethane	22.5	0.50	ug/l	25.0		90	70-130			
Tetrachloroethene	24.6	0.50	ug/l	25.0		98	70-130			
Toluene	24.7	0.50	ug/l	25.0		99	70-130			
1,2,3-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130			
1,2,4-Trichlorobenzene	24.6	1.0	ug/l	25.0		99	70-130			
1,1,1-Trichloroethane	23.2	0.50	ug/l	25.0		93	70-130			
1,1,2-Trichloroethane	23.4	0.50	ug/l	25.0		94	70-130			
Trichloroethene	25.6	0.50	ug/l	25.0		102	70-130			
Trichlorofluoromethane	28.3	0.50	ug/l	25.0		113	78-149			
1,2,3-Trichloropropane	22.4	1.0	ug/l	25.0		89	70-130			
1,2,4-Trimethylbenzene	24.3	0.50	ug/l	25.0		97	70-130			
1,3,5-Trimethylbenzene	24.1	0.50	ug/l	25.0		96	70-130			
Vinyl Acetate	27.4	1.0	ug/l	25.0		109	57-149			
Vinyl chloride	24.8	0.50	ug/l	25.0		99	66-134			
Xylenes, Total	50.3	1.0	ug/l	50.0		101	70-130			
Freon 113	22.8	2.0	ug/l	25.0		91	63-136			
Surrogate: Dibromofluoromethane	*21.1*		*ug/l*	*25.0*		*84*	*70-130*			
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*28.4*		*ug/l*	*25.0*		*114*	*70-130*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
LCS Dup Analyzed: 03/17/2011 (11C0662-BSD1)										
Acetone	27.3	10	ug/l	25.0		109	30-150	15	35	
Benzene	24.7	0.50	ug/l	25.0		99	70-130	2	20	
Bromobenzene	22.9	0.50	ug/l	25.0		92	70-130	3	20	
Bromochloromethane	20.1	0.50	ug/l	25.0		80	70-130	4	20	
Bromodichloromethane	26.4	0.50	ug/l	25.0		106	70-130	2	20	
Bromoform	22.2	1.0	ug/l	25.0		89	67-122	2	20	
Bromomethane	23.9	1.0	ug/l	25.0		95	64-132	7	20	
2-Butanone (MEK)	24.7	2.5	ug/l	25.0		99	48-150	10	33	
n-Butylbenzene	24.8	0.50	ug/l	25.0		99	70-130	0.2	20	
sec-Butylbenzene	23.7	0.50	ug/l	25.0		95	70-130	0.5	20	
tert-Butylbenzene	23.4	0.50	ug/l	25.0		93	70-130	4	20	
Carbon disulfide	22.9	0.50	ug/l	25.0		92	61-126	3	20	
Carbon tetrachloride	28.4	0.50	ug/l	25.0		114	70-130	1	20	
Chlorobenzene	24.4	0.50	ug/l	25.0		97	70-130	2	20	
Chloroethane	22.9	1.0	ug/l	25.0		91	69-128	2	20	
Chloroform	22.6	0.50	ug/l	25.0		91	70-130	2	20	
Chloromethane	27.0	1.0	ug/l	25.0		108	56-131	9	20	
2-Chlorotoluene	23.0	0.50	ug/l	25.0		92	70-130	1	20	
4-Chlorotoluene	23.7	0.50	ug/l	25.0		95	70-130	2	20	
Dibromochloromethane	25.5	0.50	ug/l	25.0		102	70-130	6	20	
1,2-Dibromo-3-chloropropane	23.0	2.5	ug/l	25.0		92	63-129	4	25	
1,2-Dibromoethane (EDB)	23.5	0.50	ug/l	25.0		94	70-130	4	20	
Dibromomethane	25.9	0.50	ug/l	25.0		104	70-130	1	20	
1,2-Dichlorobenzene	22.4	0.50	ug/l	25.0		90	70-130	0.6	20	
1,3-Dichlorobenzene	22.6	0.50	ug/l	25.0		91	70-130	2	20	
1,4-Dichlorobenzene	22.3	0.50	ug/l	25.0		89	70-130	2	20	
Dichlorodifluoromethane	26.8	0.50	ug/l	25.0		107	42-150	0.5	20	
1,1-Dichloroethane	22.7	0.50	ug/l	25.0		91	70-130	3	20	
1,2-Dichloroethane	23.2	0.50	ug/l	25.0		93	72-133	2	20	
1,1-Dichloroethene	22.7	0.50	ug/l	25.0		91	70-130	4	20	
cis-1,2-Dichloroethene	21.4	0.50	ug/l	25.0		86	70-130	5	20	
trans-1,2-Dichloroethene	22.1	0.50	ug/l	25.0		88	70-130	2	20	
1,2-Dichloropropane	24.7	0.50	ug/l	25.0		99	70-130	2	20	
1,3-Dichloropropane	23.7	0.50	ug/l	25.0		95	70-130	0.3	20	
2,2-Dichloropropane	22.4	1.0	ug/l	25.0		89	70-130	2	20	

TestAmerica Phoenix

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
LCS Dup Analyzed: 03/17/2011 (11C0662-BSD1)										
1,1-Dichloropropene	26.2	0.50	ug/l	25.0		105	70-130	1	20	
cis-1,3-Dichloropropene	25.3	0.50	ug/l	25.0		101	70-130	0.8	20	
trans-1,3-Dichloropropene	27.0	0.50	ug/l	25.0		108	70-130	2	20	
Ethylbenzene	25.0	0.50	ug/l	25.0		100	70-130	1	20	
Hexachlorobutadiene	27.0	1.0	ug/l	25.0		108	70-130	2	20	
2-Hexanone	27.0	2.5	ug/l	25.0		108	44-150	8	31	
Iodomethane	26.7	2.5	ug/l	25.0		107	58-138	16	25	
Isopropylbenzene	25.9	0.50	ug/l	25.0		104	70-130	4	20	
p-Isopropyltoluene	24.2	0.50	ug/l	25.0		97	70-130	0.7	20	
Methylene Chloride	20.7	1.0	ug/l	25.0		83	70-130	3	20	
4-Methyl-2-pentanone (MIBK)	27.0	2.5	ug/l	25.0		108	61-142	3	22	
Methyl-tert-butyl Ether (MTBE)	21.6	0.50	ug/l	25.0		86	70-130	4	20	
Naphthalene	24.1	2.5	ug/l	25.0		96	65-129	0.04	20	
n-Propylbenzene	24.5	0.50	ug/l	25.0		98	70-130	4	20	
Styrene	26.1	0.50	ug/l	25.0		105	70-130	6	20	
1,1,1,2-Tetrachloroethane	23.9	0.50	ug/l	25.0		96	70-130	0.4	20	
1,1,2,2-Tetrachloroethane	22.7	0.50	ug/l	25.0		91	70-130	1	20	
Tetrachloroethene	24.7	0.50	ug/l	25.0		99	70-130	0.6	20	
Toluene	24.9	0.50	ug/l	25.0		99	70-130	0.8	20	
1,2,3-Trichlorobenzene	24.7	1.0	ug/l	25.0		99	70-130	0.5	20	
1,2,4-Trichlorobenzene	25.2	1.0	ug/l	25.0		101	70-130	2	20	
1,1,1-Trichloroethane	23.9	0.50	ug/l	25.0		96	70-130	3	20	
1,1,2-Trichloroethane	24.4	0.50	ug/l	25.0		97	70-130	4	20	
Trichloroethene	26.2	0.50	ug/l	25.0		105	70-130	2	20	
Trichlorofluoromethane	28.4	0.50	ug/l	25.0		114	78-149	0.6	20	
1,2,3-Trichloropropane	23.5	1.0	ug/l	25.0		94	70-130	5	20	
1,2,4-Trimethylbenzene	24.7	0.50	ug/l	25.0		99	70-130	1	20	
1,3,5-Trimethylbenzene	24.0	0.50	ug/l	25.0		96	70-130	0.6	20	
Vinyl Acetate	28.9	1.0	ug/l	25.0		116	57-149	6	21	
Vinyl chloride	26.2	0.50	ug/l	25.0		105	66-134	5	20	
Xylenes, Total	50.8	1.0	ug/l	50.0		102	70-130	0.9	20	
Freon 113	23.1	2.0	ug/l	25.0		92	63-136	1	20	
Surrogate: Dibromofluoromethane	*20.8*		*ug/l*	*25.0*		*83*	*70-130*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*28.8*		*ug/l*	*25.0*		*115*	*70-130*			

TestAmerica Phoenix

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Project Manager

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
Matrix Spike Analyzed: 03/17/2011 (11C0662-MS1)					**Source: PUC0911-02**					
Acetone	17.6	10	ug/l	25.0	ND	71	10-150			
Benzene	21.9	0.50	ug/l	25.0	ND	88	70-130			
Bromobenzene	21.6	0.50	ug/l	25.0	ND	87	70-130			
Bromochloromethane	17.6	0.50	ug/l	25.0	ND	70	70-130			
Bromodichloromethane	24.0	0.50	ug/l	25.0	0.320	95	70-130			
Bromoform	23.8	1.0	ug/l	25.0	ND	95	62-126			
Bromomethane	19.1	1.0	ug/l	25.0	ND	76	55-136			
2-Butanone (MEK)	19.4	2.5	ug/l	25.0	ND	77	22-150			
n-Butylbenzene	23.1	0.50	ug/l	25.0	ND	93	70-130			
sec-Butylbenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
tert-Butylbenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
Carbon disulfide	20.6	0.50	ug/l	25.0	0.170	82	56-132			
Carbon tetrachloride	25.7	0.50	ug/l	25.0	ND	103	76-131			
Chlorobenzene	21.5	0.50	ug/l	25.0	ND	86	70-130			
Chloroethane	20.1	1.0	ug/l	25.0	ND	80	67-134			
Chloroform	19.7	0.50	ug/l	25.0	1.31	73	70-130			
Chloromethane	22.7	1.0	ug/l	25.0	ND	91	50-135			
2-Chlorotoluene	21.6	0.50	ug/l	25.0	ND	86	70-130			
4-Chlorotoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
Dibromochloromethane	24.6	0.50	ug/l	25.0	ND	98	70-130			
1,2-Dibromo-3-chloropropane	23.9	2.5	ug/l	25.0	ND	96	60-135			
1,2-Dibromoethane (EDB)	23.6	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	24.6	0.50	ug/l	25.0	ND	99	70-130			
1,2-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,3-Dichlorobenzene	20.7	0.50	ug/l	25.0	ND	83	70-130			
1,4-Dichlorobenzene	21.0	0.50	ug/l	25.0	ND	84	70-130			
Dichlorodifluoromethane	24.0	0.50	ug/l	25.0	ND	96	36-150			
1,1-Dichloroethane	18.9	0.50	ug/l	25.0	0.220	75	70-130			
1,2-Dichloroethane	20.2	0.50	ug/l	25.0	ND	81	68-143			
1,1-Dichloroethene	20.6	0.50	ug/l	25.0	0.320	81	70-130			
cis-1,2-Dichloroethene	17.7	0.50	ug/l	25.0	0.170	70	70-130			
trans-1,2-Dichloroethene	18.8	0.50	ug/l	25.0	ND	75	70-130			
1,2-Dichloropropane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3-Dichloropropane	23.1	0.50	ug/l	25.0	ND	93	70-130			
2,2-Dichloropropane	19.9	1.0	ug/l	25.0	ND	80	66-130			

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
Matrix Spike Analyzed: 03/17/2011 (11C0662-MS1)					**Source: PUC0911-02**					
1,1-Dichloropropene	24.1	0.50	ug/l	25.0	ND	96	70-130			
cis-1,3-Dichloropropene	23.3	0.50	ug/l	25.0	ND	93	70-130			
trans-1,3-Dichloropropene	25.7	0.50	ug/l	25.0	ND	103	71-132			
Ethylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Hexachlorobutadiene	22.7	1.0	ug/l	25.0	ND	91	66-129			
2-Hexanone	25.3	2.5	ug/l	25.0	ND	101	18-150			
Iodomethane	21.1	2.5	ug/l	25.0	ND	84	47-141			
Isopropylbenzene	24.4	0.50	ug/l	25.0	ND	98	78-137			
p-Isopropyltoluene	22.3	0.50	ug/l	25.0	ND	89	70-130			
Methylene Chloride	18.2	1.0	ug/l	25.0	ND	73	74-132			*M2*
4-Methyl-2-pentanone (MIBK)	26.6	2.5	ug/l	25.0	ND	106	56-145			
Methyl-tert-butyl Ether (MTBE)	19.6	0.50	ug/l	25.0	ND	78	67-138			
Naphthalene	25.1	2.5	ug/l	25.0	ND	100	54-135			
n-Propylbenzene	23.6	0.50	ug/l	25.0	ND	94	70-130			
Styrene	22.7	0.50	ug/l	25.0	ND	91	51-123			
1,1,1,2-Tetrachloroethane	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,1,2,2-Tetrachloroethane	24.8	0.50	ug/l	25.0	ND	99	69-133			
Tetrachloroethene	22.9	0.50	ug/l	25.0	ND	92	70-130			
Toluene	21.9	0.50	ug/l	25.0	ND	88	70-130			
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0	ND	95	70-130			
1,2,4-Trichlorobenzene	24.1	1.0	ug/l	25.0	ND	96	66-126			
1,1,1-Trichloroethane	20.1	0.50	ug/l	25.0	ND	80	76-132			
1,1,2-Trichloroethane	23.3	0.50	ug/l	25.0	ND	93	70-130			
Trichloroethene	23.4	0.50	ug/l	25.0	0.730	91	70-130			
Trichlorofluoromethane	25.3	0.50	ug/l	25.0	ND	101	74-150			
1,2,3-Trichloropropane	24.8	1.0	ug/l	25.0	ND	99	70-130			
1,2,4-Trimethylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
1,3,5-Trimethylbenzene	22.5	0.50	ug/l	25.0	ND	90	61-138			
Vinyl Acetate	30.6	1.0	ug/l	25.0	ND	122	50-150			
Vinyl chloride	23.0	0.50	ug/l	25.0	ND	92	58-139			
Xylenes, Total	46.4	1.0	ug/l	50.0	ND	93	70-130			
Freon 113	21.0	2.0	ug/l	25.0	ND	84	56-148			
Surrogate: Dibromofluoromethane	*19.3*		*ug/l*	*25.0*		*77*	*70-130*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.5*		*ug/l*	*25.0*		*106*	*70-130*			

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Environmental Resources Management Inc.-West
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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
Matrix Spike Dup Analyzed: 03/17/2011 (11C0662-MSD1)					**Source: PUC0911-02**					
Acetone	18.2	10	ug/l	25.0	ND	73	10-150	3	35	
Benzene	26.3	0.50	ug/l	25.0	ND	105	70-130	18	20	
Bromobenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	8	20	
Bromochloromethane	19.9	0.50	ug/l	25.0	ND	79	70-130	12	20	
Bromodichloromethane	26.2	0.50	ug/l	25.0	0.320	104	70-130	9	20	
Bromoform	21.7	1.0	ug/l	25.0	ND	87	62-126	9	20	
Bromomethane	24.8	1.0	ug/l	25.0	ND	99	55-136	26	24	*R1*
2-Butanone (MEK)	21.8	2.5	ug/l	25.0	ND	87	22-150	12	31	
n-Butylbenzene	26.0	0.50	ug/l	25.0	ND	104	70-130	12	20	
sec-Butylbenzene	24.8	0.50	ug/l	25.0	ND	99	70-130	9	20	
tert-Butylbenzene	24.3	0.50	ug/l	25.0	ND	97	70-130	11	20	
Carbon disulfide	24.7	0.50	ug/l	25.0	0.170	98	56-132	18	20	
Carbon tetrachloride	29.9	0.50	ug/l	25.0	ND	119	76-131	15	20	
Chlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	11	20	
Chloroethane	23.2	1.0	ug/l	25.0	ND	93	67-134	14	20	
Chloroform	23.7	0.50	ug/l	25.0	1.31	89	70-130	18	20	
Chloromethane	28.3	1.0	ug/l	25.0	ND	113	50-135	22	20	*R1*
2-Chlorotoluene	24.0	0.50	ug/l	25.0	ND	96	70-130	11	20	
4-Chlorotoluene	24.7	0.50	ug/l	25.0	ND	99	70-130	10	20	
Dibromochloromethane	24.2	0.50	ug/l	25.0	ND	97	70-130	2	20	
1,2-Dibromo-3-chloropropane	23.2	2.5	ug/l	25.0	ND	93	60-135	3	29	
1,2-Dibromoethane (EDB)	22.5	0.50	ug/l	25.0	ND	90	70-130	5	20	
Dibromomethane	26.2	0.50	ug/l	25.0	ND	105	70-130	6	20	
1,2-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130	5	20	
1,3-Dichlorobenzene	22.7	0.50	ug/l	25.0	ND	91	70-130	9	20	
1,4-Dichlorobenzene	23.0	0.50	ug/l	25.0	ND	92	70-130	9	20	
Dichlorodifluoromethane	28.3	0.50	ug/l	25.0	ND	113	36-150	16	22	
1,1-Dichloroethane	22.7	0.50	ug/l	25.0	0.220	90	70-130	18	20	
1,2-Dichloroethane	22.2	0.50	ug/l	25.0	ND	89	68-143	10	20	
1,1-Dichloroethene	24.4	0.50	ug/l	25.0	0.320	96	70-130	17	20	
cis-1,2-Dichloroethene	21.6	0.50	ug/l	25.0	0.170	86	70-130	20	20	
trans-1,2-Dichloroethene	23.1	0.50	ug/l	25.0	ND	92	70-130	20	20	
1,2-Dichloropropane	24.8	0.50	ug/l	25.0	ND	99	70-130	13	20	
1,3-Dichloropropane	22.8	0.50	ug/l	25.0	ND	91	70-130	1	20	
2,2-Dichloropropane	23.8	1.0	ug/l	25.0	ND	95	66-130	18	20	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
Matrix Spike Dup Analyzed: 03/17/2011 (11C0662-MSD1)					**Source: PUC0911-02**					
1,1-Dichloropropene	28.3	0.50	ug/l	25.0	ND	113	70-130	16	20	
cis-1,3-Dichloropropene	25.6	0.50	ug/l	25.0	ND	103	70-130	10	20	
trans-1,3-Dichloropropene	26.8	0.50	ug/l	25.0	ND	107	71-132	4	20	
Ethylbenzene	25.1	0.50	ug/l	25.0	ND	100	70-130	10	20	
Hexachlorobutadiene	27.5	1.0	ug/l	25.0	ND	110	66-129	19	21	
2-Hexanone	23.0	2.5	ug/l	25.0	ND	92	18-150	9	25	
Iodomethane	27.6	2.5	ug/l	25.0	ND	110	47-141	27	29	
Isopropylbenzene	26.9	0.50	ug/l	25.0	ND	108	78-137	10	20	
p-Isopropyltoluene	25.2	0.50	ug/l	25.0	ND	101	70-130	12	20	
Methylene Chloride	21.2	1.0	ug/l	25.0	ND	85	74-132	15	20	
4-Methyl-2-pentanone (MIBK)	25.9	2.5	ug/l	25.0	ND	104	56-145	3	26	
Methyl-tert-butyl Ether (MTBE)	20.2	0.50	ug/l	25.0	ND	81	67-138	3	21	
Naphthalene	25.0	2.5	ug/l	25.0	ND	100	54-135	0.5	33	
n-Propylbenzene	25.3	0.50	ug/l	25.0	ND	101	70-130	7	20	
Styrene	24.1	0.50	ug/l	25.0	ND	97	51-123	6	21	
1,1,1,2-Tetrachloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130	6	20	
1,1,2,2-Tetrachloroethane	22.6	0.50	ug/l	25.0	ND	91	69-133	9	20	
Tetrachloroethene	25.5	0.50	ug/l	25.0	ND	102	70-130	11	20	
Toluene	26.8	0.50	ug/l	25.0	ND	107	70-130	20	20	
1,2,3-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	70-130	6	20	
1,2,4-Trichlorobenzene	25.1	1.0	ug/l	25.0	ND	101	66-126	4	20	
1,1,1-Trichloroethane	23.7	0.50	ug/l	25.0	ND	95	76-132	17	20	
1,1,2-Trichloroethane	24.7	0.50	ug/l	25.0	ND	99	70-130	6	20	
Trichloroethene	27.4	0.50	ug/l	25.0	0.730	107	70-130	15	20	
Trichlorofluoromethane	30.0	0.50	ug/l	25.0	ND	120	74-150	17	20	
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0	ND	91	70-130	9	20	
1,2,4-Trimethylbenzene	25.1	0.50	ug/l	25.0	ND	101	70-130	11	20	
1,3,5-Trimethylbenzene	24.7	0.50	ug/l	25.0	ND	99	61-138	9	33	
Vinyl Acetate	31.7	1.0	ug/l	25.0	ND	127	50-150	4	23	
Vinyl chloride	26.9	0.50	ug/l	25.0	ND	108	58-139	16	21	
Xylenes, Total	51.1	1.0	ug/l	50.0	ND	102	70-130	10	20	
Freon 113	24.0	2.0	ug/l	25.0	ND	96	56-148	13	22	
Surrogate: Dibromofluoromethane	*20.8*		*ug/l*	*25.0*		*83*	*70-130*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.8*		*ug/l*	*25.0*		*107*	*70-130*			

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*21.4*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*20.6*		*ug/l*	*25.0*		*83*	*70-130*			

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Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
Acetone	29.0	10	ug/l	25.0		116	30-150			
Benzene	20.5	0.50	ug/l	25.0		82	70-130			
Bromobenzene	23.0	0.50	ug/l	25.0		92	70-130			
Bromochloromethane	20.7	0.50	ug/l	25.0		83	70-130			
Bromodichloromethane	21.9	0.50	ug/l	25.0		88	70-130			
Bromoform	22.6	1.0	ug/l	25.0		91	67-122			
Bromomethane	20.6	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	24.1	2.5	ug/l	25.0		97	48-150			
n-Butylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
sec-Butylbenzene	22.4	0.50	ug/l	25.0		90	70-130			
tert-Butylbenzene	22.5	0.50	ug/l	25.0		90	70-130			
Carbon disulfide	24.2	0.50	ug/l	25.0		97	61-126			
Carbon tetrachloride	22.1	0.50	ug/l	25.0		88	70-130			
Chlorobenzene	21.6	0.50	ug/l	25.0		87	70-130			
Chloroethane	21.2	1.0	ug/l	25.0		85	69-128			
Chloroform	19.9	0.50	ug/l	25.0		80	70-130			
Chloromethane	22.1	1.0	ug/l	25.0		88	56-131			
2-Chlorotoluene	21.8	0.50	ug/l	25.0		87	70-130			
4-Chlorotoluene	22.9	0.50	ug/l	25.0		92	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	23.7	2.5	ug/l	25.0		95	63-129			
1,2-Dibromoethane (EDB)	22.1	0.50	ug/l	25.0		88	70-130			
Dibromomethane	21.2	0.50	ug/l	25.0		85	70-130			
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130			
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
1,4-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
Dichlorodifluoromethane	21.2	0.50	ug/l	25.0		85	42-150			
1,1-Dichloroethane	20.2	0.50	ug/l	25.0		81	70-130			
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133			
1,1-Dichloroethene	20.5	0.50	ug/l	25.0		82	70-130			
cis-1,2-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130			
trans-1,2-Dichloroethene	20.8	0.50	ug/l	25.0		83	70-130			
1,2-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
1,3-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
2,2-Dichloropropane	21.3	1.0	ug/l	25.0		85	70-130			

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
1,1-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
trans-1,3-Dichloropropene	22.8	0.50	ug/l	25.0		91	70-130			
Ethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
Hexachlorobutadiene	23.6	1.0	ug/l	25.0		95	70-130			
2-Hexanone	25.9	2.5	ug/l	25.0		104	44-150			
Iodomethane	24.7	2.5	ug/l	25.0		99	58-138			
Isopropylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
p-Isopropyltoluene	22.9	0.50	ug/l	25.0		92	70-130			
Methylene Chloride	20.4	1.0	ug/l	25.0		82	70-130			
4-Methyl-2-pentanone (MIBK)	23.7	2.5	ug/l	25.0		95	61-142			
Methyl-tert-butyl Ether (MTBE)	19.4	0.50	ug/l	25.0		77	70-130			
Naphthalene	23.1	2.5	ug/l	25.0		93	65-129			
n-Propylbenzene	23.4	0.50	ug/l	25.0		94	70-130			
Styrene	22.7	0.50	ug/l	25.0		91	70-130			
1,1,1,2-Tetrachloroethane	21.8	0.50	ug/l	25.0		87	70-130			
1,1,2,2-Tetrachloroethane	22.8	0.50	ug/l	25.0		91	70-130			
Tetrachloroethene	21.7	0.50	ug/l	25.0		87	70-130			
Toluene	21.6	0.50	ug/l	25.0		86	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0		94	70-130			
1,2,4-Trichlorobenzene	24.1	1.0	ug/l	25.0		96	70-130			
1,1,1-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
1,1,2-Trichloroethane	21.5	0.50	ug/l	25.0		86	70-130			
Trichloroethene	21.3	0.50	ug/l	25.0		85	70-130			
Trichlorofluoromethane	19.5	0.50	ug/l	25.0		78	78-149			
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0		96	70-130			
1,2,4-Trimethylbenzene	23.3	0.50	ug/l	25.0		93	70-130			
1,3,5-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
Vinyl Acetate	25.6	1.0	ug/l	25.0		102	57-149			
Vinyl chloride	22.2	0.50	ug/l	25.0		89	66-134			
Xylenes, Total	43.0	1.0	ug/l	50.0		86	70-130			
Freon 113	20.3	2.0	ug/l	25.0		81	63-136			
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.9*		*ug/l*	*25.0*		*88*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.2*		*ug/l*	*25.0*		*85*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
Acetone	30.9	10	ug/l	25.0		124	30-150	6	35	
Benzene	21.1	0.50	ug/l	25.0		85	70-130	3	20	
Bromobenzene	22.8	0.50	ug/l	25.0		91	70-130	1	20	
Bromochloromethane	21.3	0.50	ug/l	25.0		85	70-130	3	20	
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130	3	20	
Bromoform	22.1	1.0	ug/l	25.0		88	67-122	2	20	
Bromomethane	22.2	1.0	ug/l	25.0		89	64-132	7	20	
2-Butanone (MEK)	24.4	2.5	ug/l	25.0		98	48-150	1	33	
n-Butylbenzene	23.3	0.50	ug/l	25.0		93	70-130	0.3	20	
sec-Butylbenzene	22.7	0.50	ug/l	25.0		91	70-130	1	20	
tert-Butylbenzene	22.4	0.50	ug/l	25.0		89	70-130	0.7	20	
Carbon disulfide	24.9	0.50	ug/l	25.0		99	61-126	3	20	
Carbon tetrachloride	22.7	0.50	ug/l	25.0		91	70-130	3	20	
Chlorobenzene	21.7	0.50	ug/l	25.0		87	70-130	0.2	20	
Chloroethane	22.3	1.0	ug/l	25.0		89	69-128	5	20	
Chloroform	20.8	0.50	ug/l	25.0		83	70-130	4	20	
Chloromethane	23.2	1.0	ug/l	25.0		93	56-131	5	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0		88	70-130	0.7	20	
4-Chlorotoluene	22.6	0.50	ug/l	25.0		90	70-130	1	20	
Dibromochloromethane	21.9	0.50	ug/l	25.0		88	70-130	1	20	
1,2-Dibromo-3-chloropropane	22.3	2.5	ug/l	25.0		89	63-129	6	25	
1,2-Dibromoethane (EDB)	21.9	0.50	ug/l	25.0		88	70-130	0.6	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	2	20	
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130	0	20	
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130	0	20	
1,4-Dichlorobenzene	22.1	0.50	ug/l	25.0		88	70-130	0.8	20	
Dichlorodifluoromethane	21.8	0.50	ug/l	25.0		87	42-150	3	20	
1,1-Dichloroethane	21.5	0.50	ug/l	25.0		86	70-130	6	20	
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133	3	20	
1,1-Dichloroethene	21.8	0.50	ug/l	25.0		87	70-130	6	20	
cis-1,2-Dichloroethene	20.1	0.50	ug/l	25.0		80	70-130	0.4	20	
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130	5	20	
1,2-Dichloropropane	21.6	0.50	ug/l	25.0		86	70-130	1	20	
1,3-Dichloropropane	21.2	0.50	ug/l	25.0		85	70-130	0.4	20	
2,2-Dichloropropane	21.5	1.0	ug/l	25.0		86	70-130	1	20	

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Environmental Resources Management Inc.-West
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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
1,1-Dichloropropene	22.1	0.50	ug/l	25.0		88	70-130	2	20	
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130	0	20	
trans-1,3-Dichloropropene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
Ethylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Hexachlorobutadiene	23.7	1.0	ug/l	25.0		95	70-130	0.04	20	
2-Hexanone	22.8	2.5	ug/l	25.0		91	44-150	13	31	
Iodomethane	28.8	2.5	ug/l	25.0		115	58-138	15	25	
Isopropylbenzene	25.0	0.50	ug/l	25.0		100	70-130	1	20	
p-Isopropyltoluene	23.1	0.50	ug/l	25.0		92	70-130	0.8	20	
Methylene Chloride	20.8	1.0	ug/l	25.0		83	70-130	2	20	
4-Methyl-2-pentanone (MIBK)	23.2	2.5	ug/l	25.0		93	61-142	2	22	
Methyl-tert-butyl Ether (MTBE)	20.2	0.50	ug/l	25.0		81	70-130	4	20	
Naphthalene	23.4	2.5	ug/l	25.0		94	65-129	1	20	
n-Propylbenzene	23.4	0.50	ug/l	25.0		93	70-130	0.3	20	
Styrene	22.5	0.50	ug/l	25.0		90	70-130	0.8	20	
1,1,1,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	0.8	20	
1,1,2,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	5	20	
Tetrachloroethene	22.2	0.50	ug/l	25.0		89	70-130	2	20	
Toluene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130	2	20	
1,2,4-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130	2	20	
1,1,1-Trichloroethane	21.8	0.50	ug/l	25.0		87	70-130	3	20	
1,1,2-Trichloroethane	21.4	0.50	ug/l	25.0		85	70-130	0.7	20	
Trichloroethene	21.5	0.50	ug/l	25.0		86	70-130	1	20	
Trichlorofluoromethane	24.4	0.50	ug/l	25.0		98	78-149	22	20	*R6*
1,2,3-Trichloropropane	22.0	1.0	ug/l	25.0		88	70-130	9	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130	0.3	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0		91	70-130	2	20	
Vinyl Acetate	25.8	1.0	ug/l	25.0		103	57-149	0.8	21	
Vinyl chloride	22.4	0.50	ug/l	25.0		90	66-134	1	20	
Xylenes, Total	43.3	1.0	ug/l	50.0		87	70-130	0.6	20	
Freon 113	20.8	2.0	ug/l	25.0		83	63-136	2	20	
Surrogate: Dibromofluoromethane	*21.9*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.6*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					**Source: PUC0827-02**					
Acetone	31.2	10	ug/l	25.0	ND	125	10-150			
Benzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130			
Bromochloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130			
Bromodichloromethane	22.4	0.50	ug/l	25.0	ND	90	70-130			
Bromoform	23.8	1.0	ug/l	25.0	ND	95	62-126			
Bromomethane	22.0	1.0	ug/l	25.0	ND	88	55-136			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0	ND	103	22-150			
n-Butylbenzene	23.5	0.50	ug/l	25.0	ND	94	70-130			
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Carbon disulfide	30.5	0.50	ug/l	25.0	ND	122	56-132			
Carbon tetrachloride	22.9	0.50	ug/l	25.0	ND	92	76-131			
Chlorobenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
Chloroethane	24.3	1.0	ug/l	25.0	ND	97	67-134			
Chloroform	23.0	0.50	ug/l	25.0	1.20	87	70-130			
Chloromethane	22.0	1.0	ug/l	25.0	ND	88	50-135			
2-Chlorotoluene	21.7	0.50	ug/l	25.0	ND	87	70-130			
4-Chlorotoluene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dibromochloromethane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,2-Dibromo-3-chloropropane	23.2	2.5	ug/l	25.0	ND	93	60-135			
1,2-Dibromoethane (EDB)	23.5	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	23.2	0.50	ug/l	25.0	ND	93	70-130			
1,2-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,4-Dichlorobenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dichlorodifluoromethane	22.7	0.50	ug/l	25.0	ND	91	36-150			
1,1-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	70-130			
1,2-Dichloroethane	22.9	0.50	ug/l	25.0	ND	92	68-143			
1,1-Dichloroethene	26.8	0.50	ug/l	25.0	ND	107	70-130			
cis-1,2-Dichloroethene	21.7	0.50	ug/l	25.0	ND	87	70-130			
trans-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichloropropane	22.9	0.50	ug/l	25.0	ND	91	70-130			
2,2-Dichloropropane	22.1	1.0	ug/l	25.0	ND	88	66-130			

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					**Source: PUC0827-02**					
1,1-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
cis-1,3-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
trans-1,3-Dichloropropene	24.6	0.50	ug/l	25.0	ND	98	71-132			
Ethylbenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Hexachlorobutadiene	23.7	1.0	ug/l	25.0	ND	95	66-129			
2-Hexanone	25.8	2.5	ug/l	25.0	ND	103	18-150			
Iodomethane	35.6	2.5	ug/l	25.0	ND	142	47-141			*N1*
Isopropylbenzene	24.9	0.50	ug/l	25.0	ND	99	78-137			
p-Isopropyltoluene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Methylene Chloride	26.8	1.0	ug/l	25.0	ND	107	74-132			
4-Methyl-2-pentanone (MIBK)	25.0	2.5	ug/l	25.0	ND	100	56-145			
Methyl-tert-butyl Ether (MTBE)	22.3	0.50	ug/l	25.0	ND	89	67-138			
Naphthalene	23.6	2.5	ug/l	25.0	ND	95	54-135			
n-Propylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Styrene	21.4	0.50	ug/l	25.0	ND	86	51-123			
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130			
1,1,2,2-Tetrachloroethane	23.8	0.50	ug/l	25.0	ND	95	69-133			
Tetrachloroethene	23.8	0.50	ug/l	25.0	1.89	88	70-130			
Toluene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,2,3-Trichlorobenzene	25.3	1.0	ug/l	25.0	ND	101	70-130			
1,2,4-Trichlorobenzene	25.4	1.0	ug/l	25.0	ND	102	66-126			
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	76-132			
1,1,2-Trichloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130			
Trichloroethene	22.0	0.50	ug/l	25.0	0.400	87	70-130			
Trichlorofluoromethane	27.1	0.50	ug/l	25.0	ND	108	74-150			
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0	ND	91	70-130			
1,2,4-Trimethylbenzene	23.4	0.50	ug/l	25.0	ND	93	70-130			
1,3,5-Trimethylbenzene	22.9	0.50	ug/l	25.0	ND	91	61-138			
Vinyl Acetate	28.1	1.0	ug/l	25.0	ND	112	50-150			
Vinyl chloride	23.5	0.50	ug/l	25.0	ND	94	58-139			
Xylenes, Total	43.3	1.0	ug/l	50.0	ND	87	70-130			
Freon 113	26.4	2.0	ug/l	25.0	ND	106	56-148			
Surrogate: Dibromofluoromethane	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.5*		*ug/l*	*25.0*		*86*	*70-130*			

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
Acetone	26.7	10	ug/l	25.0	ND	107	10-150	15	35	
Benzene	21.7	0.50	ug/l	25.0	ND	87	70-130	0.5	20	
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130	0.04	20	
Bromochloromethane	22.0	0.50	ug/l	25.0	ND	88	70-130	3	20	
Bromodichloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Bromoform	23.7	1.0	ug/l	25.0	ND	95	62-126	0.3	20	
Bromomethane	21.9	1.0	ug/l	25.0	ND	88	55-136	0.5	24	
2-Butanone (MEK)	24.7	2.5	ug/l	25.0	ND	99	22-150	4	31	
n-Butylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.3	20	
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.3	20	
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.09	20	
Carbon disulfide	25.2	0.50	ug/l	25.0	ND	101	56-132	19	20	
Carbon tetrachloride	23.3	0.50	ug/l	25.0	ND	93	76-131	2	20	
Chlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130	2	20	
Chloroethane	22.4	1.0	ug/l	25.0	ND	90	67-134	8	20	
Chloroform	22.7	0.50	ug/l	25.0	1.20	86	70-130	1	20	
Chloromethane	19.9	1.0	ug/l	25.0	ND	80	50-135	10	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
4-Chlorotoluene	22.8	0.50	ug/l	25.0	ND	91	70-130	1	20	
Dibromochloromethane	22.5	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
1,2-Dibromo-3-chloropropane	24.0	2.5	ug/l	25.0	ND	96	60-135	4	29	
1,2-Dibromoethane (EDB)	22.8	0.50	ug/l	25.0	ND	91	70-130	3	20	
Dibromomethane	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
1,2-Dichlorobenzene	22.3	0.50	ug/l	25.0	ND	89	70-130	2	20	
1,3-Dichlorobenzene	22.5	0.50	ug/l	25.0	ND	90	70-130	1	20	
1,4-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Dichlorodifluoromethane	22.2	0.50	ug/l	25.0	ND	89	36-150	2	22	
1,1-Dichloroethane	21.4	0.50	ug/l	25.0	ND	86	70-130	2	20	
1,2-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	68-143	5	20	
1,1-Dichloroethene	21.4	0.50	ug/l	25.0	ND	86	70-130	22	20	*R1*
cis-1,2-Dichloroethene	20.6	0.50	ug/l	25.0	ND	82	70-130	5	20	
trans-1,2-Dichloroethene	22.0	0.50	ug/l	25.0	ND	88	70-130	2	20	
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130	0.09	20	
1,3-Dichloropropane	22.3	0.50	ug/l	25.0	ND	89	70-130	3	20	
2,2-Dichloropropane	21.6	1.0	ug/l	25.0	ND	86	66-130	2	20	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
1,1-Dichloropropene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.7	20	
cis-1,3-Dichloropropene	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
trans-1,3-Dichloropropene	23.8	0.50	ug/l	25.0	ND	95	71-132	3	20	
Ethylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
Hexachlorobutadiene	23.6	1.0	ug/l	25.0	ND	95	66-129	0.2	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	29.0	2.5	ug/l	25.0	ND	116	47-141	20	29	
Isopropylbenzene	25.0	0.50	ug/l	25.0	ND	100	78-137	0.6	20	
p-Isopropyltoluene	23.0	0.50	ug/l	25.0	ND	92	70-130	1	20	
Methylene Chloride	21.3	1.0	ug/l	25.0	ND	85	74-132	23	20	*R1*
4-Methyl-2-pentanone (MIBK)	24.6	2.5	ug/l	25.0	ND	98	56-145	2	26	
Methyl-tert-butyl Ether (MTBE)	21.7	0.50	ug/l	25.0	ND	87	67-138	3	21	
Naphthalene	24.6	2.5	ug/l	25.0	ND	98	54-135	4	33	
n-Propylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.5	20	
Styrene	21.4	0.50	ug/l	25.0	ND	85	51-123	0.2	21	
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/l	25.0	ND	90	70-130	2	20	
1,1,2,2-Tetrachloroethane	23.4	0.50	ug/l	25.0	ND	94	69-133	1	20	
Tetrachloroethene	24.2	0.50	ug/l	25.0	1.89	89	70-130	1	20	
Toluene	22.2	0.50	ug/l	25.0	ND	89	70-130	3	20	
1,2,3-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	70-130	2	20	
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0	ND	99	66-126	2	20	
1,1,1-Trichloroethane	22.3	0.50	ug/l	25.0	ND	89	76-132	2	20	
1,1,2-Trichloroethane	22.6	0.50	ug/l	25.0	ND	90	70-130	1	20	
Trichloroethene	22.6	0.50	ug/l	25.0	0.400	89	70-130	3	20	
Trichlorofluoromethane	25.7	0.50	ug/l	25.0	ND	103	74-150	5	20	
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0	ND	96	70-130	5	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0	ND	93	70-130	0.4	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0	ND	91	61-138	0.4	33	
Vinyl Acetate	26.4	1.0	ug/l	25.0	ND	105	50-150	6	23	
Vinyl chloride	23.2	0.50	ug/l	25.0	ND	93	58-139	1	21	
Xylenes, Total	43.5	1.0	ug/l	50.0	ND	87	70-130	0.3	20	
Freon 113	20.4	2.0	ug/l	25.0	ND	82	56-148	26	22	*R1*
Surrogate: Dibromofluoromethane	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0526 Extracted: 03/14/11										
Blank Analyzed: 03/16/2011 (11C0526-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.5*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*15.7*		*ug/l*	*20.0*		*79*	*30-130*			
LCS Analyzed: 03/16/2011 (11C0526-BS1)										**Q8**
1,4-Dioxane	20.9	1.0	ug/l	20.0		104	85-115			
Surrogate: 1,4-Dioxane-d8	*12.9*		*ug/l*	*20.0*		*64*	*30-105*			
Surrogate: Nitrobenzene-d5	*14.9*		*ug/l*	*20.0*		*74*	*35-140*			
LCS Dup Analyzed: 03/16/2011 (11C0526-BSD1)										**Q8**
1,4-Dioxane	20.8	1.0	ug/l	20.0		104	85-115	0.3	20	
Surrogate: 1,4-Dioxane-d8	*14.2*		*ug/l*	*20.0*		*71*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.6*		*ug/l*	*20.0*		*83*	*35-140*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

DATA QUALIFIERS AND DEFINITIONS

M2	Matrix spike recovery was low; the associated blank spike recovery was acceptable.
N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0827

Sampled: 03/11/11
Received: 03/11/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[ ] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

Client Name/Address: ERM
7272 E Indian School Rd, ~~85251~~
Scottsdale, AZ, 85251

Project/PO Number: 00 96498.009

Project Manager: Jason Hilker
Send Report to: Jason.Hilker@ERM.com

Phone Number: 480-998-2401

Sampler: Adam Nagle

Fax Number: 480-998-2106

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane (8270C) only								Special Instructions
OU3-9M2-M-031111	W	40mL / 1L	3 / 2	3/11/11	1020	HCl / –	x	x				PVL0827	-01			
OU3-9S-S-031111	↓	↓	↓	↓	1105	↓	↓	↓					-02			
OU3-8D-D-031111	↓	↓	↓	↓	1310	↓	↓	↓					-03			
OU3-8S-S-031111	↓	↓	↓	↓	1535	↓	↓	↓					-04			
GW-EB4-031111	↓	↓	↓	↓	1536	↓	↓	↓					-05			
GW-L1-5-031111	↓	40mL	1	↓	–	HCl	↓	↓					-06			Trip Blank VOC only!

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)
ERM / ERM	3/11 1622			same day ____ 72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____ 5 days ____
				48 hours ____ normal ✓
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time:	Sample Integrity: (Check)
		[signature]	3-11-11 1622	intact ✓ on ice ✓

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

3.8°C

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.009

Sampled: 03/14/11
Received: 03/14/11
Issued: 03/24/11 06:43

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC0911-01	OU3-6D-D-031411	Water
PUC0911-02	OU3-6M-M-031411	Water
PUC0911-03	EW-19D-D-031411	Water
PUC0911-04	OU3-2M-M-031411	Water
PUC0911-05	GW-EB5-031411	Water
PUC0911-06	GW-L1-6-031411	Water

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

SAMPLE RECEIPT:	Samples were received intact, at 1°C, on ice and with chain of custody documentation.
HOLDING TIMES:	All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION:	Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA:	All analyses met method criteria, except as noted in the report with data qualifiers. N1 - Due to matrix interference the Internal Standard 1,4-Dichlorobenzene-d4 failed lower than method criteria. The surrogates Nitrobenzene-d5 and 1,4-Dioxane-d8 are calculated using this IS. The surrogate recoveries are estimated values due to the IS failure, causing the surrogates to recover higher than laboratory limits. R1-The RPD exceeded the acceptance limit.
COMMENTS:	No significant observations were made.
SUBCONTRACTED:	No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0911-01 (OU3-6D-D-031411 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0758	10	ND	1	3/21/2011	3/21/2011	
Benzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromodichloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromoform	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Bromomethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Butanone (MEK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
sec-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
tert-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Carbon disulfide	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Carbon tetrachloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chloroethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Chloroform	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chloromethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
4-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromomethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dichlorodifluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
2,2-Dichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Ethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Hexachlorobutadiene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0911-01 (OU3-6D-D-031411 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Iodomethane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Isopropylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
p-Isopropyltoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Methylene Chloride	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Naphthalene	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Propylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Styrene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Tetrachloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Toluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Trichloroethene	EPA 8260B	11C0758	0.50	**0.63**	1	3/21/2011	3/21/2011	
Trichlorofluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Vinyl Acetate	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Vinyl chloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Xylenes, Total	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Freon 113	EPA 8260B	11C0758	2.0	ND	1	3/21/2011	3/21/2011	
Surrogate: Dibromofluoromethane (70-130%)				*108 %*				
Surrogate: Toluene-d8 (70-130%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*108 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0911-02 (OU3-6M-M-031411 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0662	10	ND	1	3/17/2011	3/17/2011	
Benzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromochloromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromodichloromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Bromoform	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Bromomethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
2-Butanone (MEK)	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
n-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
sec-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
tert-Butylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Carbon disulfide	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Carbon tetrachloride	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Chlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Chloroethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Chloroform	EPA 8260B	11C0662	0.50	**1.3**	1	3/17/2011	3/17/2011	
Chloromethane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
2-Chlorotoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
4-Chlorotoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dibromochloromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dibromomethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Dichlorodifluoromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1-Dichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2-Dichloropropane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3-Dichloropropane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
2,2-Dichloropropane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,1-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Ethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Hexachlorobutadiene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0911-02 (OU3-6M-M-031411 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Iodomethane	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Isopropylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
p-Isopropyltoluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Methylene Chloride	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Naphthalene	EPA 8260B	11C0662	2.5	ND	1	3/17/2011	3/17/2011	
n-Propylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Styrene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Tetrachloroethene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Toluene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Trichloroethene	EPA 8260B	11C0662	0.50	**0.73**	1	3/17/2011	3/17/2011	
Trichlorofluoromethane	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Vinyl Acetate	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Vinyl chloride	EPA 8260B	11C0662	0.50	ND	1	3/17/2011	3/17/2011	
Xylenes, Total	EPA 8260B	11C0662	1.0	ND	1	3/17/2011	3/17/2011	
Freon 113	EPA 8260B	11C0662	2.0	ND	1	3/17/2011	3/17/2011	
Surrogate: Dibromofluoromethane (70-130%)				*90 %*				
Surrogate: Toluene-d8 (70-130%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*113 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0911-03 (EW-19D-D-031411 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0758	10	ND	1	3/21/2011	3/21/2011	
Benzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromodichloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromoform	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Bromomethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Butanone (MEK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
sec-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
tert-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Carbon disulfide	EPA 8260B	11C0758	0.50	**0.50**	1	3/21/2011	3/21/2011	
Carbon tetrachloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chloroethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Chloroform	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chloromethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
4-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromomethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dichlorodifluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
2,2-Dichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Ethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Hexachlorobutadiene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0911-03 (EW-19D-D-031411 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Iodomethane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Isopropylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
p-Isopropyltoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Methylene Chloride	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Naphthalene	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Propylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Styrene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Tetrachloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Toluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Trichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Trichlorofluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Vinyl Acetate	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Vinyl chloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Xylenes, Total	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Freon 113	EPA 8260B	11C0758	2.0	ND	1	3/21/2011	3/21/2011	
Surrogate: Dibromofluoromethane (70-130%)				*106 %*				
Surrogate: Toluene-d8 (70-130%)				*103 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*108 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0911-04 (OU3-2M-M-031411 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0758	10	ND	1	3/21/2011	3/21/2011	
Benzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromodichloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromoform	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Bromomethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Butanone (MEK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
sec-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
tert-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Carbon disulfide	EPA 8260B	11C0758	0.50	**0.60**	1	3/21/2011	3/21/2011	
Carbon tetrachloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chloroethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Chloroform	EPA 8260B	11C0758	0.50	**0.85**	1	3/21/2011	3/21/2011	
Chloromethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
4-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromomethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dichlorodifluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethane	EPA 8260B	11C0758	0.50	**4.5**	1	3/21/2011	3/21/2011	
1,2-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethene	EPA 8260B	11C0758	0.50	**7.4**	1	3/21/2011	3/21/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	**6.8**	1	3/21/2011	3/21/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
2,2-Dichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Ethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Hexachlorobutadiene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0911-04 (OU3-2M-M-031411 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Iodomethane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Isopropylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
p-Isopropyltoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Methylene Chloride	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Naphthalene	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Propylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Styrene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Tetrachloroethene	EPA 8260B	11C0758	0.50	**1.4**	1	3/21/2011	3/21/2011	
Toluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Trichloroethene	EPA 8260B	11C0758	0.50	**31**	1	3/21/2011	3/21/2011	
Trichlorofluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Vinyl Acetate	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Vinyl chloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Xylenes, Total	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Freon 113	EPA 8260B	11C0758	2.0	ND	1	3/21/2011	3/21/2011	
Surrogate: Dibromofluoromethane (70-130%)				*108 %*				
Surrogate: Toluene-d8 (70-130%)				*102 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*109 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0911-05 (GW-EB5-031411 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0758	10	ND	1	3/21/2011	3/21/2011	
Benzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromodichloromethane	EPA 8260B	11C0758	0.50	**1.6**	1	3/21/2011	3/21/2011	
Bromoform	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Bromomethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Butanone (MEK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
sec-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
tert-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Carbon disulfide	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Carbon tetrachloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chloroethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Chloroform	EPA 8260B	11C0758	0.50	**1.8**	1	3/21/2011	3/21/2011	
Chloromethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
4-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromochloromethane	EPA 8260B	11C0758	0.50	**0.88**	1	3/21/2011	3/21/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromomethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dichlorodifluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
2,2-Dichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Ethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Hexachlorobutadiene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0911-05 (GW-EB5-031411 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Iodomethane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Isopropylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
p-Isopropyltoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Methylene Chloride	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Naphthalene	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Propylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Styrene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Tetrachloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Toluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Trichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Trichlorofluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Vinyl Acetate	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Vinyl chloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Xylenes, Total	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Freon 113	EPA 8260B	11C0758	2.0	ND	1	3/21/2011	3/21/2011	
Surrogate: Dibromofluoromethane (70-130%)				*109 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0911-06 (GW-L1-6-031411 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0758	10	ND	1	3/21/2011	3/21/2011	
Benzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromodichloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Bromoform	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Bromomethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Butanone (MEK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
sec-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
tert-Butylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Carbon disulfide	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Carbon tetrachloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chloroethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Chloroform	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Chloromethane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
2-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
4-Chlorotoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromochloromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dibromomethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Dichlorodifluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3-Dichloropropane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
2,2-Dichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Ethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Hexachlorobutadiene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0911-06 (GW-L1-6-031411 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Iodomethane	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Isopropylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
p-Isopropyltoluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Methylene Chloride	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Naphthalene	EPA 8260B	11C0758	2.5	ND	1	3/21/2011	3/21/2011	
n-Propylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Styrene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Tetrachloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Toluene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Trichloroethene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Trichlorofluoromethane	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Vinyl Acetate	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Vinyl chloride	EPA 8260B	11C0758	0.50	ND	1	3/21/2011	3/21/2011	
Xylenes, Total	EPA 8260B	11C0758	1.0	ND	1	3/21/2011	3/21/2011	
Freon 113	EPA 8260B	11C0758	2.0	ND	1	3/21/2011	3/21/2011	
Surrogate: Dibromofluoromethane (70-130%)				*105 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0911-01 (OU3-6D-D-031411 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	ND	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*70 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*85 %*				
Sample ID: PUC0911-02 (OU3-6M-M-031411 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	ND	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*73 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*81 %*				
Sample ID: PUC0911-03 (EW-19D-D-031411 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	ND	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*73 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*86 %*				
Sample ID: PUC0911-04 (OU3-2M-M-031411 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	**2.0**	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*72 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*84 %*				
Sample ID: PUC0911-05 (GW-EB5-031411 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	ND	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*74 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*82 %*				

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Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
Blank Analyzed: 03/17/2011 (11C0662-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
Blank Analyzed: 03/17/2011 (11C0662-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*21.1*		*ug/l*	*25.0*		*84*	*70-130*			
Surrogate: Toluene-d8	*25.4*		*ug/l*	*25.0*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*27.9*		*ug/l*	*25.0*		*112*	*70-130*			

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Project Manager

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
LCS Analyzed: 03/17/2011 (11C0662-BS1)										
Acetone	23.6	10	ug/l	25.0		94	30-150			
Benzene	24.4	0.50	ug/l	25.0		97	70-130			
Bromobenzene	22.3	0.50	ug/l	25.0		89	70-130			
Bromochloromethane	19.3	0.50	ug/l	25.0		77	70-130			
Bromodichloromethane	25.8	0.50	ug/l	25.0		103	70-130			
Bromoform	21.7	1.0	ug/l	25.0		87	67-122			
Bromomethane	22.2	1.0	ug/l	25.0		89	64-132			
2-Butanone (MEK)	22.4	2.5	ug/l	25.0		89	48-150			
n-Butylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
sec-Butylbenzene	23.6	0.50	ug/l	25.0		94	70-130			
tert-Butylbenzene	22.5	0.50	ug/l	25.0		90	70-130			
Carbon disulfide	22.2	0.50	ug/l	25.0		89	61-126			
Carbon tetrachloride	28.1	0.50	ug/l	25.0		112	70-130			
Chlorobenzene	24.0	0.50	ug/l	25.0		96	70-130			
Chloroethane	22.5	1.0	ug/l	25.0		90	69-128			
Chloroform	22.2	0.50	ug/l	25.0		89	70-130			
Chloromethane	24.7	1.0	ug/l	25.0		99	56-131			
2-Chlorotoluene	22.8	0.50	ug/l	25.0		91	70-130			
4-Chlorotoluene	23.2	0.50	ug/l	25.0		93	70-130			
Dibromochloromethane	24.1	0.50	ug/l	25.0		96	70-130			
1,2-Dibromo-3-chloropropane	22.1	2.5	ug/l	25.0		88	63-129			
1,2-Dibromoethane (EDB)	22.6	0.50	ug/l	25.0		90	70-130			
Dibromomethane	25.6	0.50	ug/l	25.0		102	70-130			
1,2-Dichlorobenzene	22.3	0.50	ug/l	25.0		89	70-130			
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
1,4-Dichlorobenzene	21.9	0.50	ug/l	25.0		88	70-130			
Dichlorodifluoromethane	26.7	0.50	ug/l	25.0		107	42-150			
1,1-Dichloroethane	22.0	0.50	ug/l	25.0		88	70-130			
1,2-Dichloroethane	22.7	0.50	ug/l	25.0		91	72-133			
1,1-Dichloroethene	21.8	0.50	ug/l	25.0		87	70-130			
cis-1,2-Dichloroethene	20.3	0.50	ug/l	25.0		81	70-130			
trans-1,2-Dichloroethene	21.8	0.50	ug/l	25.0		87	70-130			
1,2-Dichloropropane	24.4	0.50	ug/l	25.0		97	70-130			
1,3-Dichloropropane	23.8	0.50	ug/l	25.0		95	70-130			
2,2-Dichloropropane	22.0	1.0	ug/l	25.0		88	70-130			

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
LCS Analyzed: 03/17/2011 (11C0662-BS1)										
1,1-Dichloropropene	26.5	0.50	ug/l	25.0		106	70-130			
cis-1,3-Dichloropropene	25.1	0.50	ug/l	25.0		100	70-130			
trans-1,3-Dichloropropene	26.4	0.50	ug/l	25.0		106	70-130			
Ethylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
Hexachlorobutadiene	26.4	1.0	ug/l	25.0		106	70-130			
2-Hexanone	25.0	2.5	ug/l	25.0		100	44-150			
Iodomethane	22.8	2.5	ug/l	25.0		91	58-138			
Isopropylbenzene	25.0	0.50	ug/l	25.0		100	70-130			
p-Isopropyltoluene	24.0	0.50	ug/l	25.0		96	70-130			
Methylene Chloride	20.1	1.0	ug/l	25.0		80	70-130			
4-Methyl-2-pentanone (MIBK)	26.3	2.5	ug/l	25.0		105	61-142			
Methyl-tert-butyl Ether (MTBE)	20.8	0.50	ug/l	25.0		83	70-130			
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129			
n-Propylbenzene	23.6	0.50	ug/l	25.0		94	70-130			
Styrene	24.5	0.50	ug/l	25.0		98	70-130			
1,1,1,2-Tetrachloroethane	24.0	0.50	ug/l	25.0		96	70-130			
1,1,2,2-Tetrachloroethane	22.5	0.50	ug/l	25.0		90	70-130			
Tetrachloroethene	24.6	0.50	ug/l	25.0		98	70-130			
Toluene	24.7	0.50	ug/l	25.0		99	70-130			
1,2,3-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130			
1,2,4-Trichlorobenzene	24.6	1.0	ug/l	25.0		99	70-130			
1,1,1-Trichloroethane	23.2	0.50	ug/l	25.0		93	70-130			
1,1,2-Trichloroethane	23.4	0.50	ug/l	25.0		94	70-130			
Trichloroethene	25.6	0.50	ug/l	25.0		102	70-130			
Trichlorofluoromethane	28.3	0.50	ug/l	25.0		113	78-149			
1,2,3-Trichloropropane	22.4	1.0	ug/l	25.0		89	70-130			
1,2,4-Trimethylbenzene	24.3	0.50	ug/l	25.0		97	70-130			
1,3,5-Trimethylbenzene	24.1	0.50	ug/l	25.0		96	70-130			
Vinyl Acetate	27.4	1.0	ug/l	25.0		109	57-149			
Vinyl chloride	24.8	0.50	ug/l	25.0		99	66-134			
Xylenes, Total	50.3	1.0	ug/l	50.0		101	70-130			
Freon 113	22.8	2.0	ug/l	25.0		91	63-136			
Surrogate: Dibromofluoromethane	*21.1*		*ug/l*	*25.0*		*84*	*70-130*			
Surrogate: Toluene-d8	*24.7*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*28.4*		*ug/l*	*25.0*		*114*	*70-130*			

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Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
LCS Dup Analyzed: 03/17/2011 (11C0662-BSD1)										
Acetone	27.3	10	ug/l	25.0		109	30-150	15	35	
Benzene	24.7	0.50	ug/l	25.0		99	70-130	2	20	
Bromobenzene	22.9	0.50	ug/l	25.0		92	70-130	3	20	
Bromochloromethane	20.1	0.50	ug/l	25.0		80	70-130	4	20	
Bromodichloromethane	26.4	0.50	ug/l	25.0		106	70-130	2	20	
Bromoform	22.2	1.0	ug/l	25.0		89	67-122	2	20	
Bromomethane	23.9	1.0	ug/l	25.0		95	64-132	7	20	
2-Butanone (MEK)	24.7	2.5	ug/l	25.0		99	48-150	10	33	
n-Butylbenzene	24.8	0.50	ug/l	25.0		99	70-130	0.2	20	
sec-Butylbenzene	23.7	0.50	ug/l	25.0		95	70-130	0.5	20	
tert-Butylbenzene	23.4	0.50	ug/l	25.0		93	70-130	4	20	
Carbon disulfide	22.9	0.50	ug/l	25.0		92	61-126	3	20	
Carbon tetrachloride	28.4	0.50	ug/l	25.0		114	70-130	1	20	
Chlorobenzene	24.4	0.50	ug/l	25.0		97	70-130	2	20	
Chloroethane	22.9	1.0	ug/l	25.0		91	69-128	2	20	
Chloroform	22.6	0.50	ug/l	25.0		91	70-130	2	20	
Chloromethane	27.0	1.0	ug/l	25.0		108	56-131	9	20	
2-Chlorotoluene	23.0	0.50	ug/l	25.0		92	70-130	1	20	
4-Chlorotoluene	23.7	0.50	ug/l	25.0		95	70-130	2	20	
Dibromochloromethane	25.5	0.50	ug/l	25.0		102	70-130	6	20	
1,2-Dibromo-3-chloropropane	23.0	2.5	ug/l	25.0		92	63-129	4	25	
1,2-Dibromoethane (EDB)	23.5	0.50	ug/l	25.0		94	70-130	4	20	
Dibromomethane	25.9	0.50	ug/l	25.0		104	70-130	1	20	
1,2-Dichlorobenzene	22.4	0.50	ug/l	25.0		90	70-130	0.6	20	
1,3-Dichlorobenzene	22.6	0.50	ug/l	25.0		91	70-130	2	20	
1,4-Dichlorobenzene	22.3	0.50	ug/l	25.0		89	70-130	2	20	
Dichlorodifluoromethane	26.8	0.50	ug/l	25.0		107	42-150	0.5	20	
1,1-Dichloroethane	22.7	0.50	ug/l	25.0		91	70-130	3	20	
1,2-Dichloroethane	23.2	0.50	ug/l	25.0		93	72-133	2	20	
1,1-Dichloroethene	22.7	0.50	ug/l	25.0		91	70-130	4	20	
cis-1,2-Dichloroethene	21.4	0.50	ug/l	25.0		86	70-130	5	20	
trans-1,2-Dichloroethene	22.1	0.50	ug/l	25.0		88	70-130	2	20	
1,2-Dichloropropane	24.7	0.50	ug/l	25.0		99	70-130	2	20	
1,3-Dichloropropane	23.7	0.50	ug/l	25.0		95	70-130	0.3	20	
2,2-Dichloropropane	22.4	1.0	ug/l	25.0		89	70-130	2	20	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
LCS Dup Analyzed: 03/17/2011 (11C0662-BSD1)										
1,1-Dichloropropene	26.2	0.50	ug/l	25.0		105	70-130	1	20	
cis-1,3-Dichloropropene	25.3	0.50	ug/l	25.0		101	70-130	0.8	20	
trans-1,3-Dichloropropene	27.0	0.50	ug/l	25.0		108	70-130	2	20	
Ethylbenzene	25.0	0.50	ug/l	25.0		100	70-130	1	20	
Hexachlorobutadiene	27.0	1.0	ug/l	25.0		108	70-130	2	20	
2-Hexanone	27.0	2.5	ug/l	25.0		108	44-150	8	31	
Iodomethane	26.7	2.5	ug/l	25.0		107	58-138	16	25	
Isopropylbenzene	25.9	0.50	ug/l	25.0		104	70-130	4	20	
p-Isopropyltoluene	24.2	0.50	ug/l	25.0		97	70-130	0.7	20	
Methylene Chloride	20.7	1.0	ug/l	25.0		83	70-130	3	20	
4-Methyl-2-pentanone (MIBK)	27.0	2.5	ug/l	25.0		108	61-142	3	22	
Methyl-tert-butyl Ether (MTBE)	21.6	0.50	ug/l	25.0		86	70-130	4	20	
Naphthalene	24.1	2.5	ug/l	25.0		96	65-129	0.04	20	
n-Propylbenzene	24.5	0.50	ug/l	25.0		98	70-130	4	20	
Styrene	26.1	0.50	ug/l	25.0		105	70-130	6	20	
1,1,1,2-Tetrachloroethane	23.9	0.50	ug/l	25.0		96	70-130	0.4	20	
1,1,2,2-Tetrachloroethane	22.7	0.50	ug/l	25.0		91	70-130	1	20	
Tetrachloroethene	24.7	0.50	ug/l	25.0		99	70-130	0.6	20	
Toluene	24.9	0.50	ug/l	25.0		99	70-130	0.8	20	
1,2,3-Trichlorobenzene	24.7	1.0	ug/l	25.0		99	70-130	0.5	20	
1,2,4-Trichlorobenzene	25.2	1.0	ug/l	25.0		101	70-130	2	20	
1,1,1-Trichloroethane	23.9	0.50	ug/l	25.0		96	70-130	3	20	
1,1,2-Trichloroethane	24.4	0.50	ug/l	25.0		97	70-130	4	20	
Trichloroethene	26.2	0.50	ug/l	25.0		105	70-130	2	20	
Trichlorofluoromethane	28.4	0.50	ug/l	25.0		114	78-149	0.6	20	
1,2,3-Trichloropropane	23.5	1.0	ug/l	25.0		94	70-130	5	20	
1,2,4-Trimethylbenzene	24.7	0.50	ug/l	25.0		99	70-130	1	20	
1,3,5-Trimethylbenzene	24.0	0.50	ug/l	25.0		96	70-130	0.6	20	
Vinyl Acetate	28.9	1.0	ug/l	25.0		116	57-149	6	21	
Vinyl chloride	26.2	0.50	ug/l	25.0		105	66-134	5	20	
Xylenes, Total	50.8	1.0	ug/l	50.0		102	70-130	0.9	20	
Freon 113	23.1	2.0	ug/l	25.0		92	63-136	1	20	
Surrogate: Dibromofluoromethane	*20.8*		*ug/l*	*25.0*		*83*	*70-130*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*28.8*		*ug/l*	*25.0*		*115*	*70-130*			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
Matrix Spike Analyzed: 03/17/2011 (11C0662-MS1)					**Source: PUC0911-02**					
Acetone	17.6	10	ug/l	25.0	ND	71	10-150			
Benzene	21.9	0.50	ug/l	25.0	ND	88	70-130			
Bromobenzene	21.6	0.50	ug/l	25.0	ND	87	70-130			
Bromochloromethane	17.6	0.50	ug/l	25.0	ND	70	70-130			
Bromodichloromethane	24.0	0.50	ug/l	25.0	0.320	95	70-130			
Bromoform	23.8	1.0	ug/l	25.0	ND	95	62-126			
Bromomethane	19.1	1.0	ug/l	25.0	ND	76	55-136			
2-Butanone (MEK)	19.4	2.5	ug/l	25.0	ND	77	22-150			
n-Butylbenzene	23.1	0.50	ug/l	25.0	ND	93	70-130			
sec-Butylbenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
tert-Butylbenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
Carbon disulfide	20.6	0.50	ug/l	25.0	0.170	82	56-132			
Carbon tetrachloride	25.7	0.50	ug/l	25.0	ND	103	76-131			
Chlorobenzene	21.5	0.50	ug/l	25.0	ND	86	70-130			
Chloroethane	20.1	1.0	ug/l	25.0	ND	80	67-134			
Chloroform	19.7	0.50	ug/l	25.0	1.31	73	70-130			
Chloromethane	22.7	1.0	ug/l	25.0	ND	91	50-135			
2-Chlorotoluene	21.6	0.50	ug/l	25.0	ND	86	70-130			
4-Chlorotoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
Dibromochloromethane	24.6	0.50	ug/l	25.0	ND	98	70-130			
1,2-Dibromo-3-chloropropane	23.9	2.5	ug/l	25.0	ND	96	60-135			
1,2-Dibromoethane (EDB)	23.6	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	24.6	0.50	ug/l	25.0	ND	99	70-130			
1,2-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,3-Dichlorobenzene	20.7	0.50	ug/l	25.0	ND	83	70-130			
1,4-Dichlorobenzene	21.0	0.50	ug/l	25.0	ND	84	70-130			
Dichlorodifluoromethane	24.0	0.50	ug/l	25.0	ND	96	36-150			
1,1-Dichloroethane	18.9	0.50	ug/l	25.0	0.220	75	70-130			
1,2-Dichloroethane	20.2	0.50	ug/l	25.0	ND	81	68-143			
1,1-Dichloroethene	20.6	0.50	ug/l	25.0	0.320	81	70-130			
cis-1,2-Dichloroethene	17.7	0.50	ug/l	25.0	0.170	70	70-130			
trans-1,2-Dichloroethene	18.8	0.50	ug/l	25.0	ND	75	70-130			
1,2-Dichloropropane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3-Dichloropropane	23.1	0.50	ug/l	25.0	ND	93	70-130			
2,2-Dichloropropane	19.9	1.0	ug/l	25.0	ND	80	66-130			

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
Matrix Spike Analyzed: 03/17/2011 (11C0662-MS1)					**Source: PUC0911-02**					
1,1-Dichloropropene	24.1	0.50	ug/l	25.0	ND	96	70-130			
cis-1,3-Dichloropropene	23.3	0.50	ug/l	25.0	ND	93	70-130			
trans-1,3-Dichloropropene	25.7	0.50	ug/l	25.0	ND	103	71-132			
Ethylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Hexachlorobutadiene	22.7	1.0	ug/l	25.0	ND	91	66-129			
2-Hexanone	25.3	2.5	ug/l	25.0	ND	101	18-150			
Iodomethane	21.1	2.5	ug/l	25.0	ND	84	47-141			
Isopropylbenzene	24.4	0.50	ug/l	25.0	ND	98	78-137			
p-Isopropyltoluene	22.3	0.50	ug/l	25.0	ND	89	70-130			
Methylene Chloride	18.2	1.0	ug/l	25.0	ND	73	74-132			*M2*
4-Methyl-2-pentanone (MIBK)	26.6	2.5	ug/l	25.0	ND	106	56-145			
Methyl-tert-butyl Ether (MTBE)	19.6	0.50	ug/l	25.0	ND	78	67-138			
Naphthalene	25.1	2.5	ug/l	25.0	ND	100	54-135			
n-Propylbenzene	23.6	0.50	ug/l	25.0	ND	94	70-130			
Styrene	22.7	0.50	ug/l	25.0	ND	91	51-123			
1,1,1,2-Tetrachloroethane	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,1,2,2-Tetrachloroethane	24.8	0.50	ug/l	25.0	ND	99	69-133			
Tetrachloroethene	22.9	0.50	ug/l	25.0	ND	92	70-130			
Toluene	21.9	0.50	ug/l	25.0	ND	88	70-130			
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0	ND	95	70-130			
1,2,4-Trichlorobenzene	24.1	1.0	ug/l	25.0	ND	96	66-126			
1,1,1-Trichloroethane	20.1	0.50	ug/l	25.0	ND	80	76-132			
1,1,2-Trichloroethane	23.3	0.50	ug/l	25.0	ND	93	70-130			
Trichloroethene	23.4	0.50	ug/l	25.0	0.730	91	70-130			
Trichlorofluoromethane	25.3	0.50	ug/l	25.0	ND	101	74-150			
1,2,3-Trichloropropane	24.8	1.0	ug/l	25.0	ND	99	70-130			
1,2,4-Trimethylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
1,3,5-Trimethylbenzene	22.5	0.50	ug/l	25.0	ND	90	61-138			
Vinyl Acetate	30.6	1.0	ug/l	25.0	ND	122	50-150			
Vinyl chloride	23.0	0.50	ug/l	25.0	ND	92	58-139			
Xylenes, Total	46.4	1.0	ug/l	50.0	ND	93	70-130			
Freon 113	21.0	2.0	ug/l	25.0	ND	84	56-148			
Surrogate: Dibromofluoromethane	*19.3*		*ug/l*	*25.0*		*77*	*70-130*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.5*		*ug/l*	*25.0*		*106*	*70-130*			

TestAmerica Phoenix

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
Matrix Spike Dup Analyzed: 03/17/2011 (11C0662-MSD1)					**Source: PUC0911-02**					
Acetone	18.2	10	ug/l	25.0	ND	73	10-150	3	35	
Benzene	26.3	0.50	ug/l	25.0	ND	105	70-130	18	20	
Bromobenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	8	20	
Bromochloromethane	19.9	0.50	ug/l	25.0	ND	79	70-130	12	20	
Bromodichloromethane	26.2	0.50	ug/l	25.0	0.320	104	70-130	9	20	
Bromoform	21.7	1.0	ug/l	25.0	ND	87	62-126	9	20	
Bromomethane	24.8	1.0	ug/l	25.0	ND	99	55-136	26	24	*R1*
2-Butanone (MEK)	21.8	2.5	ug/l	25.0	ND	87	22-150	12	31	
n-Butylbenzene	26.0	0.50	ug/l	25.0	ND	104	70-130	12	20	
sec-Butylbenzene	24.8	0.50	ug/l	25.0	ND	99	70-130	9	20	
tert-Butylbenzene	24.3	0.50	ug/l	25.0	ND	97	70-130	11	20	
Carbon disulfide	24.7	0.50	ug/l	25.0	0.170	98	56-132	18	20	
Carbon tetrachloride	29.9	0.50	ug/l	25.0	ND	119	76-131	15	20	
Chlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	11	20	
Chloroethane	23.2	1.0	ug/l	25.0	ND	93	67-134	14	20	
Chloroform	23.7	0.50	ug/l	25.0	1.31	89	70-130	18	20	
Chloromethane	28.3	1.0	ug/l	25.0	ND	113	50-135	22	20	*R1*
2-Chlorotoluene	24.0	0.50	ug/l	25.0	ND	96	70-130	11	20	
4-Chlorotoluene	24.7	0.50	ug/l	25.0	ND	99	70-130	10	20	
Dibromochloromethane	24.2	0.50	ug/l	25.0	ND	97	70-130	2	20	
1,2-Dibromo-3-chloropropane	23.2	2.5	ug/l	25.0	ND	93	60-135	3	29	
1,2-Dibromoethane (EDB)	22.5	0.50	ug/l	25.0	ND	90	70-130	5	20	
Dibromomethane	26.2	0.50	ug/l	25.0	ND	105	70-130	6	20	
1,2-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130	5	20	
1,3-Dichlorobenzene	22.7	0.50	ug/l	25.0	ND	91	70-130	9	20	
1,4-Dichlorobenzene	23.0	0.50	ug/l	25.0	ND	92	70-130	9	20	
Dichlorodifluoromethane	28.3	0.50	ug/l	25.0	ND	113	36-150	16	22	
1,1-Dichloroethane	22.7	0.50	ug/l	25.0	0.220	90	70-130	18	20	
1,2-Dichloroethane	22.2	0.50	ug/l	25.0	ND	89	68-143	10	20	
1,1-Dichloroethene	24.4	0.50	ug/l	25.0	0.320	96	70-130	17	20	
cis-1,2-Dichloroethene	21.6	0.50	ug/l	25.0	0.170	86	70-130	20	20	
trans-1,2-Dichloroethene	23.1	0.50	ug/l	25.0	ND	92	70-130	20	20	
1,2-Dichloropropane	24.8	0.50	ug/l	25.0	ND	99	70-130	13	20	
1,3-Dichloropropane	22.8	0.50	ug/l	25.0	ND	91	70-130	1	20	
2,2-Dichloropropane	23.8	1.0	ug/l	25.0	ND	95	66-130	18	20	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0662 Extracted: 03/17/11										
Matrix Spike Dup Analyzed: 03/17/2011 (11C0662-MSD1)					**Source: PUC0911-02**					
1,1-Dichloropropene	28.3	0.50	ug/l	25.0	ND	113	70-130	16	20	
cis-1,3-Dichloropropene	25.6	0.50	ug/l	25.0	ND	103	70-130	10	20	
trans-1,3-Dichloropropene	26.8	0.50	ug/l	25.0	ND	107	71-132	4	20	
Ethylbenzene	25.1	0.50	ug/l	25.0	ND	100	70-130	10	20	
Hexachlorobutadiene	27.5	1.0	ug/l	25.0	ND	110	66-129	19	21	
2-Hexanone	23.0	2.5	ug/l	25.0	ND	92	18-150	9	25	
Iodomethane	27.6	2.5	ug/l	25.0	ND	110	47-141	27	29	
Isopropylbenzene	26.9	0.50	ug/l	25.0	ND	108	78-137	10	20	
p-Isopropyltoluene	25.2	0.50	ug/l	25.0	ND	101	70-130	12	20	
Methylene Chloride	21.2	1.0	ug/l	25.0	ND	85	74-132	15	20	
4-Methyl-2-pentanone (MIBK)	25.9	2.5	ug/l	25.0	ND	104	56-145	3	26	
Methyl-tert-butyl Ether (MTBE)	20.2	0.50	ug/l	25.0	ND	81	67-138	3	21	
Naphthalene	25.0	2.5	ug/l	25.0	ND	100	54-135	0.5	33	
n-Propylbenzene	25.3	0.50	ug/l	25.0	ND	101	70-130	7	20	
Styrene	24.1	0.50	ug/l	25.0	ND	97	51-123	6	21	
1,1,1,2-Tetrachloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130	6	20	
1,1,2,2-Tetrachloroethane	22.6	0.50	ug/l	25.0	ND	91	69-133	9	20	
Tetrachloroethene	25.5	0.50	ug/l	25.0	ND	102	70-130	11	20	
Toluene	26.8	0.50	ug/l	25.0	ND	107	70-130	20	20	
1,2,3-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	70-130	6	20	
1,2,4-Trichlorobenzene	25.1	1.0	ug/l	25.0	ND	101	66-126	4	20	
1,1,1-Trichloroethane	23.7	0.50	ug/l	25.0	ND	95	76-132	17	20	
1,1,2-Trichloroethane	24.7	0.50	ug/l	25.0	ND	99	70-130	6	20	
Trichloroethene	27.4	0.50	ug/l	25.0	0.730	107	70-130	15	20	
Trichlorofluoromethane	30.0	0.50	ug/l	25.0	ND	120	74-150	17	20	
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0	ND	91	70-130	9	20	
1,2,4-Trimethylbenzene	25.1	0.50	ug/l	25.0	ND	101	70-130	11	20	
1,3,5-Trimethylbenzene	24.7	0.50	ug/l	25.0	ND	99	61-138	9	33	
Vinyl Acetate	31.7	1.0	ug/l	25.0	ND	127	50-150	4	23	
Vinyl chloride	26.9	0.50	ug/l	25.0	ND	108	58-139	16	21	
Xylenes, Total	51.1	1.0	ug/l	50.0	ND	102	70-130	10	20	
Freon 113	24.0	2.0	ug/l	25.0	ND	96	56-148	13	22	
Surrogate: Dibromofluoromethane	*20.8*		*ug/l*	*25.0*		*83*	*70-130*			
Surrogate: Toluene-d8	*26.1*		*ug/l*	*25.0*		*105*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.8*		*ug/l*	*25.0*		*107*	*70-130*			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0758 Extracted: 03/21/11										
Blank Analyzed: 03/21/2011 (11C0758-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Attention: Jason Hilker

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Received: 03/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0758 Extracted: 03/21/11										
Blank Analyzed: 03/21/2011 (11C0758-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*24.8*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.7*		*ug/l*	*25.0*		*99*	*70-130*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0758 Extracted: 03/21/11										
LCS Analyzed: 03/21/2011 (11C0758-BS1)										
Acetone	27.3	10	ug/l	25.0		109	30-150			
Benzene	23.6	0.50	ug/l	25.0		94	70-130			
Bromobenzene	25.3	0.50	ug/l	25.0		101	70-130			
Bromochloromethane	24.1	0.50	ug/l	25.0		96	70-130			
Bromodichloromethane	23.4	0.50	ug/l	25.0		94	70-130			
Bromoform	21.8	1.0	ug/l	25.0		87	67-122			
Bromomethane	29.0	1.0	ug/l	25.0		116	64-132			
2-Butanone (MEK)	27.2	2.5	ug/l	25.0		109	48-150			
n-Butylbenzene	27.1	0.50	ug/l	25.0		108	70-130			
sec-Butylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
tert-Butylbenzene	25.6	0.50	ug/l	25.0		102	70-130			
Carbon disulfide	25.6	0.50	ug/l	25.0		102	61-126			
Carbon tetrachloride	23.5	0.50	ug/l	25.0		94	70-130			
Chlorobenzene	24.1	0.50	ug/l	25.0		96	70-130			
Chloroethane	24.0	1.0	ug/l	25.0		96	69-128			
Chloroform	22.9	0.50	ug/l	25.0		92	70-130			
Chloromethane	25.1	1.0	ug/l	25.0		100	56-131			
2-Chlorotoluene	25.8	0.50	ug/l	25.0		103	70-130			
4-Chlorotoluene	26.3	0.50	ug/l	25.0		105	70-130			
Dibromochloromethane	25.2	0.50	ug/l	25.0		101	70-130			
1,2-Dibromo-3-chloropropane	24.0	2.5	ug/l	25.0		96	63-129			
1,2-Dibromoethane (EDB)	23.8	0.50	ug/l	25.0		95	70-130			
Dibromomethane	23.6	0.50	ug/l	25.0		95	70-130			
1,2-Dichlorobenzene	25.2	0.50	ug/l	25.0		101	70-130			
1,3-Dichlorobenzene	24.3	0.50	ug/l	25.0		97	70-130			
1,4-Dichlorobenzene	24.6	0.50	ug/l	25.0		98	70-130			
Dichlorodifluoromethane	20.7	0.50	ug/l	25.0		83	42-150			
1,1-Dichloroethane	24.0	0.50	ug/l	25.0		96	70-130			
1,2-Dichloroethane	23.4	0.50	ug/l	25.0		93	72-133			
1,1-Dichloroethene	23.8	0.50	ug/l	25.0		95	70-130			
cis-1,2-Dichloroethene	23.0	0.50	ug/l	25.0		92	70-130			
trans-1,2-Dichloroethene	24.0	0.50	ug/l	25.0		96	70-130			
1,2-Dichloropropane	24.0	0.50	ug/l	25.0		96	70-130			
1,3-Dichloropropane	23.8	0.50	ug/l	25.0		95	70-130			
2,2-Dichloropropane	25.7	1.0	ug/l	25.0		103	70-130			

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Attention: Jason Hilker

Project ID: 0096498.009
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0758 Extracted: 03/21/11										
LCS Analyzed: 03/21/2011 (11C0758-BS1)										
1,1-Dichloropropene	23.3	0.50	ug/l	25.0		93	70-130			
cis-1,3-Dichloropropene	25.5	0.50	ug/l	25.0		102	70-130			
trans-1,3-Dichloropropene	26.8	0.50	ug/l	25.0		107	70-130			
Ethylbenzene	24.8	0.50	ug/l	25.0		99	70-130			
Hexachlorobutadiene	25.8	1.0	ug/l	25.0		103	70-130			
2-Hexanone	27.6	2.5	ug/l	25.0		110	44-150			
Iodomethane	31.0	2.5	ug/l	25.0		124	58-138			
Isopropylbenzene	27.7	0.50	ug/l	25.0		111	70-130			
p-Isopropyltoluene	25.9	0.50	ug/l	25.0		104	70-130			
Methylene Chloride	23.3	1.0	ug/l	25.0		93	70-130			
4-Methyl-2-pentanone (MIBK)	25.3	2.5	ug/l	25.0		101	61-142			
Methyl-tert-butyl Ether (MTBE)	24.9	0.50	ug/l	25.0		100	70-130			
Naphthalene	27.8	2.5	ug/l	25.0		111	65-129			
n-Propylbenzene	26.9	0.50	ug/l	25.0		107	70-130			
Styrene	26.3	0.50	ug/l	25.0		105	70-130			
1,1,1,2-Tetrachloroethane	24.1	0.50	ug/l	25.0		96	70-130			
1,1,2,2-Tetrachloroethane	25.5	0.50	ug/l	25.0		102	70-130			
Tetrachloroethene	23.8	0.50	ug/l	25.0		95	70-130			
Toluene	24.0	0.50	ug/l	25.0		96	70-130			
1,2,3-Trichlorobenzene	26.7	1.0	ug/l	25.0		107	70-130			
1,2,4-Trichlorobenzene	26.8	1.0	ug/l	25.0		107	70-130			
1,1,1-Trichloroethane	23.5	0.50	ug/l	25.0		94	70-130			
1,1,2-Trichloroethane	24.6	0.50	ug/l	25.0		98	70-130			
Trichloroethene	23.6	0.50	ug/l	25.0		95	70-130			
Trichlorofluoromethane	24.8	0.50	ug/l	25.0		99	78-149			
1,2,3-Trichloropropane	25.3	1.0	ug/l	25.0		101	70-130			
1,2,4-Trimethylbenzene	26.6	0.50	ug/l	25.0		106	70-130			
1,3,5-Trimethylbenzene	25.9	0.50	ug/l	25.0		103	70-130			
Vinyl Acetate	31.2	1.0	ug/l	25.0		125	57-149			
Vinyl chloride	24.7	0.50	ug/l	25.0		99	66-134			
Xylenes, Total	49.5	1.0	ug/l	50.0		99	70-130			
Freon 113	23.7	2.0	ug/l	25.0		95	63-136			
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*25.3*		*ug/l*	*25.0*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*97*	*70-130*			

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Report Number: PUC0911

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0758 Extracted: 03/21/11										
LCS Dup Analyzed: 03/21/2011 (11C0758-BSD1)										
Acetone	28.2	10	ug/l	25.0		113	30-150	3	35	
Benzene	23.4	0.50	ug/l	25.0		94	70-130	0.7	20	
Bromobenzene	25.3	0.50	ug/l	25.0		101	70-130	0.1	20	
Bromochloromethane	24.3	0.50	ug/l	25.0		97	70-130	1	20	
Bromodichloromethane	23.6	0.50	ug/l	25.0		94	70-130	0.6	20	
Bromoform	22.8	1.0	ug/l	25.0		91	67-122	5	20	
Bromomethane	29.8	1.0	ug/l	25.0		119	64-132	3	20	
2-Butanone (MEK)	27.9	2.5	ug/l	25.0		112	48-150	3	33	
n-Butylbenzene	26.4	0.50	ug/l	25.0		106	70-130	2	20	
sec-Butylbenzene	25.5	0.50	ug/l	25.0		102	70-130	3	20	
tert-Butylbenzene	25.7	0.50	ug/l	25.0		103	70-130	0.4	20	
Carbon disulfide	25.3	0.50	ug/l	25.0		101	61-126	0.9	20	
Carbon tetrachloride	22.6	0.50	ug/l	25.0		90	70-130	4	20	
Chlorobenzene	23.6	0.50	ug/l	25.0		95	70-130	2	20	
Chloroethane	24.4	1.0	ug/l	25.0		97	69-128	2	20	
Chloroform	22.5	0.50	ug/l	25.0		90	70-130	2	20	
Chloromethane	24.9	1.0	ug/l	25.0		100	56-131	0.7	20	
2-Chlorotoluene	25.3	0.50	ug/l	25.0		101	70-130	2	20	
4-Chlorotoluene	26.2	0.50	ug/l	25.0		105	70-130	0.4	20	
Dibromochloromethane	25.2	0.50	ug/l	25.0		101	70-130	0	20	
1,2-Dibromo-3-chloropropane	24.2	2.5	ug/l	25.0		97	63-129	0.8	25	
1,2-Dibromoethane (EDB)	23.9	0.50	ug/l	25.0		95	70-130	0.2	20	
Dibromomethane	22.6	0.50	ug/l	25.0		90	70-130	4	20	
1,2-Dichlorobenzene	26.1	0.50	ug/l	25.0		104	70-130	4	20	
1,3-Dichlorobenzene	24.9	0.50	ug/l	25.0		100	70-130	2	20	
1,4-Dichlorobenzene	24.4	0.50	ug/l	25.0		98	70-130	0.7	20	
Dichlorodifluoromethane	20.2	0.50	ug/l	25.0		81	42-150	3	20	
1,1-Dichloroethane	23.5	0.50	ug/l	25.0		94	70-130	2	20	
1,2-Dichloroethane	23.2	0.50	ug/l	25.0		93	72-133	0.8	20	
1,1-Dichloroethene	23.6	0.50	ug/l	25.0		95	70-130	0.6	20	
cis-1,2-Dichloroethene	23.0	0.50	ug/l	25.0		92	70-130	0.2	20	
trans-1,2-Dichloroethene	23.4	0.50	ug/l	25.0		94	70-130	2	20	
1,2-Dichloropropane	23.2	0.50	ug/l	25.0		93	70-130	3	20	
1,3-Dichloropropane	23.8	0.50	ug/l	25.0		95	70-130	0.08	20	
2,2-Dichloropropane	25.1	1.0	ug/l	25.0		100	70-130	2	20	

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0758 Extracted: 03/21/11										
LCS Dup Analyzed: 03/21/2011 (11C0758-BSD1)										
1,1-Dichloropropene	22.8	0.50	ug/l	25.0		91	70-130	2	20	
cis-1,3-Dichloropropene	24.6	0.50	ug/l	25.0		98	70-130	4	20	
trans-1,3-Dichloropropene	26.1	0.50	ug/l	25.0		104	70-130	2	20	
Ethylbenzene	24.0	0.50	ug/l	25.0		96	70-130	3	20	
Hexachlorobutadiene	26.7	1.0	ug/l	25.0		107	70-130	3	20	
2-Hexanone	29.9	2.5	ug/l	25.0		120	44-150	8	31	
Iodomethane	33.4	2.5	ug/l	25.0		133	58-138	7	25	
Isopropylbenzene	28.5	0.50	ug/l	25.0		114	70-130	3	20	
p-Isopropyltoluene	25.6	0.50	ug/l	25.0		103	70-130	1	20	
Methylene Chloride	23.4	1.0	ug/l	25.0		94	70-130	0.6	20	
4-Methyl-2-pentanone (MIBK)	25.7	2.5	ug/l	25.0		103	61-142	2	22	
Methyl-tert-butyl Ether (MTBE)	24.7	0.50	ug/l	25.0		99	70-130	0.9	20	
Naphthalene	27.6	2.5	ug/l	25.0		110	65-129	0.8	20	
n-Propylbenzene	26.9	0.50	ug/l	25.0		108	70-130	0.1	20	
Styrene	25.9	0.50	ug/l	25.0		104	70-130	1	20	
1,1,1,2-Tetrachloroethane	23.5	0.50	ug/l	25.0		94	70-130	3	20	
1,1,2,2-Tetrachloroethane	25.7	0.50	ug/l	25.0		103	70-130	0.8	20	
Tetrachloroethene	23.6	0.50	ug/l	25.0		94	70-130	0.7	20	
Toluene	23.3	0.50	ug/l	25.0		93	70-130	3	20	
1,2,3-Trichlorobenzene	27.0	1.0	ug/l	25.0		108	70-130	1	20	
1,2,4-Trichlorobenzene	27.1	1.0	ug/l	25.0		108	70-130	0.9	20	
1,1,1-Trichloroethane	22.8	0.50	ug/l	25.0		91	70-130	3	20	
1,1,2-Trichloroethane	24.1	0.50	ug/l	25.0		96	70-130	2	20	
Trichloroethene	22.9	0.50	ug/l	25.0		92	70-130	3	20	
Trichlorofluoromethane	24.2	0.50	ug/l	25.0		97	78-149	2	20	
1,2,3-Trichloropropane	25.5	1.0	ug/l	25.0		102	70-130	0.6	20	
1,2,4-Trimethylbenzene	26.4	0.50	ug/l	25.0		106	70-130	0.6	20	
1,3,5-Trimethylbenzene	25.6	0.50	ug/l	25.0		102	70-130	1	20	
Vinyl Acetate	30.2	1.0	ug/l	25.0		121	57-149	3	21	
Vinyl chloride	24.2	0.50	ug/l	25.0		97	66-134	2	20	
Xylenes, Total	47.7	1.0	ug/l	50.0		95	70-130	4	20	
Freon 113	22.9	2.0	ug/l	25.0		92	63-136	3	20	
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*98*	*70-130*			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0758 Extracted: 03/21/11										
Matrix Spike Analyzed: 03/21/2011 (11C0758-MS1)					**Source: PUC1225-05**					
Acetone	16.1	10	ug/l	25.0	ND	64	10-150			
Benzene	24.8	0.50	ug/l	25.0	ND	99	70-130			
Bromobenzene	26.0	0.50	ug/l	25.0	ND	104	70-130			
Bromochloromethane	24.3	0.50	ug/l	25.0	ND	97	70-130			
Bromodichloromethane	23.7	0.50	ug/l	25.0	ND	95	70-130			
Bromoform	22.3	1.0	ug/l	25.0	ND	89	62-126			
Bromomethane	29.0	1.0	ug/l	25.0	ND	116	55-136			
2-Butanone (MEK)	23.1	2.5	ug/l	25.0	ND	93	22-150			
n-Butylbenzene	27.5	0.50	ug/l	25.0	ND	110	70-130			
sec-Butylbenzene	27.4	0.50	ug/l	25.0	ND	110	70-130			
tert-Butylbenzene	27.8	0.50	ug/l	25.0	ND	111	70-130			
Carbon disulfide	29.5	0.50	ug/l	25.0	0.240	117	56-132			
Carbon tetrachloride	26.2	0.50	ug/l	25.0	ND	105	76-131			
Chlorobenzene	25.3	0.50	ug/l	25.0	ND	101	70-130			
Chloroethane	26.3	1.0	ug/l	25.0	ND	105	67-134			
Chloroform	24.0	0.50	ug/l	25.0	0.500	94	70-130			
Chloromethane	26.9	1.0	ug/l	25.0	ND	108	50-135			
2-Chlorotoluene	26.3	0.50	ug/l	25.0	ND	105	70-130			
4-Chlorotoluene	26.8	0.50	ug/l	25.0	ND	107	70-130			
Dibromochloromethane	26.0	0.50	ug/l	25.0	ND	104	70-130			
1,2-Dibromo-3-chloropropane	23.7	2.5	ug/l	25.0	ND	95	60-135			
1,2-Dibromoethane (EDB)	24.0	0.50	ug/l	25.0	ND	96	70-130			
Dibromomethane	23.4	0.50	ug/l	25.0	ND	94	70-130			
1,2-Dichlorobenzene	25.9	0.50	ug/l	25.0	ND	104	70-130			
1,3-Dichlorobenzene	25.2	0.50	ug/l	25.0	ND	101	70-130			
1,4-Dichlorobenzene	25.1	0.50	ug/l	25.0	ND	100	70-130			
Dichlorodifluoromethane	24.8	0.50	ug/l	25.0	ND	99	36-150			
1,1-Dichloroethane	25.3	0.50	ug/l	25.0	ND	101	70-130			
1,2-Dichloroethane	23.5	0.50	ug/l	25.0	ND	94	68-143			
1,1-Dichloroethene	28.2	0.50	ug/l	25.0	ND	113	70-130			
cis-1,2-Dichloroethene	23.9	0.50	ug/l	25.0	ND	96	70-130			
trans-1,2-Dichloroethene	26.6	0.50	ug/l	25.0	ND	106	70-130			
1,2-Dichloropropane	24.0	0.50	ug/l	25.0	ND	96	70-130			
1,3-Dichloropropane	23.9	0.50	ug/l	25.0	ND	96	70-130			
2,2-Dichloropropane	27.9	1.0	ug/l	25.0	ND	111	66-130			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0758 Extracted: 03/21/11										
Matrix Spike Analyzed: 03/21/2011 (11C0758-MS1)					**Source: PUC1225-05**					
1,1-Dichloropropene	26.4	0.50	ug/l	25.0	ND	106	70-130			
cis-1,3-Dichloropropene	25.9	0.50	ug/l	25.0	ND	104	70-130			
trans-1,3-Dichloropropene	26.2	0.50	ug/l	25.0	ND	105	71-132			
Ethylbenzene	26.1	0.50	ug/l	25.0	ND	104	70-130			
Hexachlorobutadiene	26.8	1.0	ug/l	25.0	ND	107	66-129			
2-Hexanone	24.1	2.5	ug/l	25.0	ND	96	18-150			
Iodomethane	28.3	2.5	ug/l	25.0	ND	113	47-141			
Isopropylbenzene	31.0	0.50	ug/l	25.0	ND	124	78-137			
p-Isopropyltoluene	27.4	0.50	ug/l	25.0	ND	110	70-130			
Methylene Chloride	24.3	1.0	ug/l	25.0	ND	97	74-132			
4-Methyl-2-pentanone (MIBK)	25.2	2.5	ug/l	25.0	ND	101	56-145			
Methyl-tert-butyl Ether (MTBE)	25.3	0.50	ug/l	25.0	ND	101	67-138			
Naphthalene	28.2	2.5	ug/l	25.0	ND	113	54-135			
n-Propylbenzene	28.4	0.50	ug/l	25.0	ND	113	70-130			
Styrene	27.1	0.50	ug/l	25.0	ND	108	51-123			
1,1,1,2-Tetrachloroethane	24.5	0.50	ug/l	25.0	ND	98	70-130			
1,1,2,2-Tetrachloroethane	26.2	0.50	ug/l	25.0	ND	105	69-133			
Tetrachloroethene	26.7	0.50	ug/l	25.0	ND	107	70-130			
Toluene	24.8	0.50	ug/l	25.0	ND	99	70-130			
1,2,3-Trichlorobenzene	26.6	1.0	ug/l	25.0	ND	106	70-130			
1,2,4-Trichlorobenzene	27.0	1.0	ug/l	25.0	ND	108	66-126			
1,1,1-Trichloroethane	26.2	0.50	ug/l	25.0	ND	105	76-132			
1,1,2-Trichloroethane	24.2	0.50	ug/l	25.0	ND	97	70-130			
Trichloroethene	24.7	0.50	ug/l	25.0	0.120	98	70-130			
Trichlorofluoromethane	28.9	0.50	ug/l	25.0	ND	116	74-150			
1,2,3-Trichloropropane	25.8	1.0	ug/l	25.0	ND	103	70-130			
1,2,4-Trimethylbenzene	27.8	0.50	ug/l	25.0	ND	111	70-130			
1,3,5-Trimethylbenzene	27.1	0.50	ug/l	25.0	ND	108	61-138			
Vinyl Acetate	32.6	1.0	ug/l	25.0	ND	130	50-150			
Vinyl chloride	28.4	0.50	ug/l	25.0	ND	114	58-139			
Xylenes, Total	52.2	1.0	ug/l	50.0	ND	104	70-130			
Freon 113	28.0	2.0	ug/l	25.0	ND	112	56-148			
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.9*		*ug/l*	*25.0*		*96*	*70-130*			

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0758 Extracted: 03/21/11										
Matrix Spike Dup Analyzed: 03/21/2011 (11C0758-MSD1)					**Source: PUC1225-05**					
Acetone	16.2	10	ug/l	25.0	ND	65	10-150	0.9	35	
Benzene	24.7	0.50	ug/l	25.0	ND	99	70-130	0.2	20	
Bromobenzene	26.0	0.50	ug/l	25.0	ND	104	70-130	0	20	
Bromochloromethane	23.9	0.50	ug/l	25.0	ND	96	70-130	2	20	
Bromodichloromethane	23.6	0.50	ug/l	25.0	ND	94	70-130	0.6	20	
Bromoform	22.5	1.0	ug/l	25.0	ND	90	62-126	0.8	20	
Bromomethane	29.7	1.0	ug/l	25.0	ND	119	55-136	2	24	
2-Butanone (MEK)	21.4	2.5	ug/l	25.0	ND	86	22-150	8	31	
n-Butylbenzene	28.3	0.50	ug/l	25.0	ND	113	70-130	3	20	
sec-Butylbenzene	27.1	0.50	ug/l	25.0	ND	108	70-130	1	20	
tert-Butylbenzene	26.5	0.50	ug/l	25.0	ND	106	70-130	5	20	
Carbon disulfide	28.4	0.50	ug/l	25.0	0.240	112	56-132	4	20	
Carbon tetrachloride	25.1	0.50	ug/l	25.0	ND	101	76-131	4	20	
Chlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	5	20	
Chloroethane	25.8	1.0	ug/l	25.0	ND	103	67-134	2	20	
Chloroform	23.2	0.50	ug/l	25.0	0.500	91	70-130	4	20	
Chloromethane	25.6	1.0	ug/l	25.0	ND	102	50-135	5	20	
2-Chlorotoluene	25.8	0.50	ug/l	25.0	ND	103	70-130	2	20	
4-Chlorotoluene	26.8	0.50	ug/l	25.0	ND	107	70-130	0.07	20	
Dibromochloromethane	24.5	0.50	ug/l	25.0	ND	98	70-130	6	20	
1,2-Dibromo-3-chloropropane	25.1	2.5	ug/l	25.0	ND	100	60-135	6	29	
1,2-Dibromoethane (EDB)	23.2	0.50	ug/l	25.0	ND	93	70-130	3	20	
Dibromomethane	23.0	0.50	ug/l	25.0	ND	92	70-130	2	20	
1,2-Dichlorobenzene	25.8	0.50	ug/l	25.0	ND	103	70-130	0.3	20	
1,3-Dichlorobenzene	24.8	0.50	ug/l	25.0	ND	99	70-130	2	20	
1,4-Dichlorobenzene	25.0	0.50	ug/l	25.0	ND	100	70-130	0.5	20	
Dichlorodifluoromethane	22.7	0.50	ug/l	25.0	ND	91	36-150	9	22	
1,1-Dichloroethane	24.0	0.50	ug/l	25.0	ND	96	70-130	5	20	
1,2-Dichloroethane	22.6	0.50	ug/l	25.0	ND	90	68-143	4	20	
1,1-Dichloroethene	26.4	0.50	ug/l	25.0	ND	106	70-130	6	20	
cis-1,2-Dichloroethene	23.2	0.50	ug/l	25.0	ND	93	70-130	3	20	
trans-1,2-Dichloroethene	25.5	0.50	ug/l	25.0	ND	102	70-130	4	20	
1,2-Dichloropropane	24.5	0.50	ug/l	25.0	ND	98	70-130	2	20	
1,3-Dichloropropane	23.2	0.50	ug/l	25.0	ND	93	70-130	3	20	
2,2-Dichloropropane	26.8	1.0	ug/l	25.0	ND	107	66-130	4	20	

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0758 Extracted: 03/21/11										
Matrix Spike Dup Analyzed: 03/21/2011 (11C0758-MSD1)					**Source: PUC1225-05**					
1,1-Dichloropropene	25.7	0.50	ug/l	25.0	ND	103	70-130	3	20	
cis-1,3-Dichloropropene	25.4	0.50	ug/l	25.0	ND	102	70-130	2	20	
trans-1,3-Dichloropropene	26.8	0.50	ug/l	25.0	ND	107	71-132	2	20	
Ethylbenzene	25.0	0.50	ug/l	25.0	ND	100	70-130	4	20	
Hexachlorobutadiene	25.8	1.0	ug/l	25.0	ND	103	66-129	3	21	
2-Hexanone	22.5	2.5	ug/l	25.0	ND	90	18-150	7	25	
Iodomethane	31.9	2.5	ug/l	25.0	ND	128	47-141	12	29	
Isopropylbenzene	30.3	0.50	ug/l	25.0	ND	121	78-137	2	20	
p-Isopropyltoluene	26.9	0.50	ug/l	25.0	ND	108	70-130	2	20	
Methylene Chloride	23.6	1.0	ug/l	25.0	ND	94	74-132	3	20	
4-Methyl-2-pentanone (MIBK)	25.4	2.5	ug/l	25.0	ND	102	56-145	0.7	26	
Methyl-tert-butyl Ether (MTBE)	24.6	0.50	ug/l	25.0	ND	98	67-138	3	21	
Naphthalene	28.1	2.5	ug/l	25.0	ND	112	54-135	0.3	33	
n-Propylbenzene	28.1	0.50	ug/l	25.0	ND	112	70-130	0.9	20	
Styrene	25.6	0.50	ug/l	25.0	ND	102	51-123	6	21	
1,1,1,2-Tetrachloroethane	23.2	0.50	ug/l	25.0	ND	93	70-130	6	20	
1,1,2,2-Tetrachloroethane	25.4	0.50	ug/l	25.0	ND	101	69-133	3	20	
Tetrachloroethene	25.0	0.50	ug/l	25.0	ND	100	70-130	6	20	
Toluene	24.1	0.50	ug/l	25.0	ND	97	70-130	3	20	
1,2,3-Trichlorobenzene	26.5	1.0	ug/l	25.0	ND	106	70-130	0.3	20	
1,2,4-Trichlorobenzene	27.3	1.0	ug/l	25.0	ND	109	66-126	1	20	
1,1,1-Trichloroethane	24.0	0.50	ug/l	25.0	ND	96	76-132	9	20	
1,1,2-Trichloroethane	24.2	0.50	ug/l	25.0	ND	97	70-130	0.08	20	
Trichloroethene	24.4	0.50	ug/l	25.0	0.120	97	70-130	1	20	
Trichlorofluoromethane	27.0	0.50	ug/l	25.0	ND	108	74-150	7	20	
1,2,3-Trichloropropane	26.0	1.0	ug/l	25.0	ND	104	70-130	1	20	
1,2,4-Trimethylbenzene	27.4	0.50	ug/l	25.0	ND	109	70-130	2	20	
1,3,5-Trimethylbenzene	27.1	0.50	ug/l	25.0	ND	109	61-138	0.2	33	
Vinyl Acetate	32.1	1.0	ug/l	25.0	ND	129	50-150	1	23	
Vinyl chloride	26.1	0.50	ug/l	25.0	ND	104	58-139	9	21	
Xylenes, Total	49.3	1.0	ug/l	50.0	ND	99	70-130	6	20	
Freon 113	25.7	2.0	ug/l	25.0	ND	103	56-148	9	22	
Surrogate: Dibromofluoromethane	*24.5*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*25.2*		*ug/l*	*25.0*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/l*	*25.0*		*98*	*70-130*			

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0614 Extracted: 03/16/11										
Blank Analyzed: 03/18/2011 (11C0614-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.2*		*ug/l*	*20.0*		*81*	*30-130*			
LCS Analyzed: 03/18/2011 (11C0614-BS1)										
1,4-Dioxane	20.9	1.0	ug/l	20.0		105	85-115			
Surrogate: 1,4-Dioxane-d8	*14.7*		*ug/l*	*20.0*		*74*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.6*		*ug/l*	*20.0*		*83*	*35-140*			
LCS Dup Analyzed: 03/18/2011 (11C0614-BSD1)										
1,4-Dioxane	20.9	1.0	ug/l	20.0		105	85-115	0.05	20	
Surrogate: 1,4-Dioxane-d8	*15.3*		*ug/l*	*20.0*		*76*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*35-140*			
Matrix Spike Analyzed: 03/18/2011 (11C0614-MS1)					**Source: PUC0982-02**					
1,4-Dioxane	22.6	1.0	ug/l	20.0	1.54	105	70-125			
Surrogate: 1,4-Dioxane-d8	*15.2*		*ug/l*	*20.0*		*76*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.7*		*ug/l*	*20.0*		*84*	*30-130*			
Matrix Spike Analyzed: 03/18/2011 (11C0614-MS2)					**Source: PUC0911-02**					
1,4-Dioxane	21.3	1.0	ug/l	20.0	0.380	104	70-125			
Surrogate: 1,4-Dioxane-d8	*27.1*		*ug/l*	*20.0*		*135*	*20-105*			*N1, S4*
Surrogate: Nitrobenzene-d5	*33.6*		*ug/l*	*20.0*		*168*	*30-130*			*N1, S4*
Matrix Spike Dup Analyzed: 03/18/2011 (11C0614-MSD1)					**Source: PUC0982-02**					
1,4-Dioxane	22.2	1.0	ug/l	20.0	1.54	104	70-125	1	20	
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.3*		*ug/l*	*20.0*		*87*	*30-130*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0614 Extracted: 03/16/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0614-MSD2)					**Source: PUC0911-02**					
1,4-Dioxane	21.5	1.0	ug/l	20.0	0.380	106	70-125	1	20	
Surrogate: 1,4-Dioxane-d8	*14.0*		*ug/l*	*20.0*		*70*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.9*		*ug/l*	*20.0*		*84*	*30-130*			

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Project Manager

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Environmental Resources Management Inc.-West	Project ID: 0096498.009	
7272 E. Indian School Rd. Ste 100		Sampled: 03/14/11
Scottsdale, AZ 85251	Report Number: PUC0911	Received: 03/14/11
Attention: Jason Hilker		

DATA QUALIFIERS AND DEFINITIONS

M2	Matrix spike recovery was low; the associated blank spike recovery was acceptable.
N1	See case narrative.
R1	The RPD/RSD exceeded the method acceptance limit.
S4	Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0911

Sampled: 03/14/11
Received: 03/14/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Kylie Emily
Project Manager

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CHAIN OF CUSTODY FORM

[ ] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 2520 E. Sunset, Suite 3, Las Vegas, NV 89120 (702) 798-3620 FAX (702) 798-3621

TAL-0013-550 (12/08)

Page 1 of 1

Client Name/Address: ERM
7272 E. Indian School Rd.
Scottsdale, AZ, 85251

Project/PO Number: 0096498.009

Project Manager: Jason Hilker
Send Report to: Jason.Hilker@ERM.com

Phone Number: 480-998-2401

Sampler: Adam Nagle

Fax Number: 480-998-2106

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane only (8260C)	~~Sty/Naph~~							Special Instructions
OU3-6D-D-031411	W	~~40mL~~ 1L	~~3~~ 2	3/14/11	0950	~~HCl~~ –	X	X					NC0911	-01		
OU3-6M-M-031411	↓	↓	~~3~~ 2	↓	1105	↓	↓	↓						-02		
OU3-6M-M-031411-MSMSD			~~3~~ 2		1105									1		MS/MSD
EW-19D-D-031411			~~3~~ 2		1452									-03		
OU3-2M-M-031411			~~3~~ 2		1645									-04		
GW-EB5-031411					1646									-05		
GW-L1-6-031411		40mL	1		–	HCl								-06		TRIP BLANK VOCs ONLY

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)	
ERM	3/14 1720			same day ____	72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____	5 days ____
				48 hours ____	normal ✓
Relinquished By:	Date/Time:	Received in Lab By:	Date/Time:	Sample Integrity: (Check)	
			3/14/11 1720	intact ✓	on ice ✓

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

1.2°C

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.009

Sampled: 03/09/11
Received: 03/09/11
Issued: 03/18/11 16:29

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC0635-01	OU3-14D-D-030911	Water
PUC0635-02	OU3-12D-D-030911	Water
PUC0635-03	SC-MW-1D-S-030911	Water

SAMPLE RECEIPT: Samples were received intact, at 3°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0635-01 (OU3-14D-D-030911 - Water) **Sampled: 03/09/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	**0.50**	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0635-01 (OU3-14D-D-030911 - Water) - cont.					**Sampled: 03/09/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	**1.8**	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*88 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*112 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0635-02 (OU3-12D-D-030911 - Water) **Sampled: 03/09/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0635-02 (OU3-12D-D-030911 - Water) - cont. **Sampled: 03/09/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
2-Hexanone	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*90 %*				
Surrogate: Toluene-d8 (70-130%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*112 %*				

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0635-03 (SC-MW-1D-S-030911 - Water)				**Sampled: 03/09/11**				
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	**1.4**	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	**0.83**	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	**0.84**	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Sample ID: PUC0635-03 (SC-MW-1D-S-030911 - Water) - cont. **Sampled: 03/09/11**

Reporting Units: ug/l

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
2-Hexanone	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	**1.6**	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*87 %*				
Surrogate: Toluene-d8 (70-130%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*111 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0635-01 (OU3-14D-D-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0426	1.0	ND	1	3/11/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*72 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*89 %*				
Sample ID: PUC0635-02 (OU3-12D-D-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0426	1.0	ND	1	3/11/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*76 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*90 %*				
Sample ID: PUC0635-03 (SC-MW-1D-S-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0426	1.0	ND	1	3/11/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*72 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*85 %*				

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Blank Analyzed: 03/15/2011 (11C0567-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Blank Analyzed: 03/15/2011 (11C0567-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*20.7*		*ug/l*	*25.0*		*83*	*70-130*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*28.0*		*ug/l*	*25.0*		*112*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
LCS Analyzed: 03/15/2011 (11C0567-BS1)										
Acetone	21.4	10	ug/l	25.0		86	30-150			
Benzene	23.6	0.50	ug/l	25.0		94	70-130			
Bromobenzene	24.0	0.50	ug/l	25.0		96	70-130			
Bromochloromethane	22.7	0.50	ug/l	25.0		91	70-130			
Bromodichloromethane	25.7	0.50	ug/l	25.0		103	70-130			
Bromoform	25.5	1.0	ug/l	25.0		102	67-122			
Bromomethane	26.4	1.0	ug/l	25.0		106	64-132			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0		102	48-150			
n-Butylbenzene	25.3	0.50	ug/l	25.0		101	70-130			
sec-Butylbenzene	23.9	0.50	ug/l	25.0		96	70-130			
tert-Butylbenzene	24.5	0.50	ug/l	25.0		98	70-130			
Carbon disulfide	23.5	0.50	ug/l	25.0		94	61-126			
Carbon tetrachloride	26.9	0.50	ug/l	25.0		107	70-130			
Chlorobenzene	23.8	0.50	ug/l	25.0		95	70-130			
Chloroethane	23.4	1.0	ug/l	25.0		94	69-128			
Chloroform	21.8	0.50	ug/l	25.0		87	70-130			
Chloromethane	24.8	1.0	ug/l	25.0		99	56-131			
2-Chlorotoluene	23.8	0.50	ug/l	25.0		95	70-130			
4-Chlorotoluene	24.7	0.50	ug/l	25.0		99	70-130			
Dibromochloromethane	26.0	0.50	ug/l	25.0		104	70-130			
1,2-Dibromo-3-chloropropane	25.9	2.5	ug/l	25.0		104	63-129			
1,2-Dibromoethane (EDB)	25.1	0.50	ug/l	25.0		100	70-130			
Dibromomethane	26.2	0.50	ug/l	25.0		105	70-130			
1,2-Dichlorobenzene	24.1	0.50	ug/l	25.0		97	70-130			
1,3-Dichlorobenzene	23.2	0.50	ug/l	25.0		93	70-130			
1,4-Dichlorobenzene	23.8	0.50	ug/l	25.0		95	70-130			
Dichlorodifluoromethane	27.4	0.50	ug/l	25.0		110	42-150			
1,1-Dichloroethane	21.4	0.50	ug/l	25.0		86	70-130			
1,2-Dichloroethane	23.8	0.50	ug/l	25.0		95	72-133			
1,1-Dichloroethene	23.1	0.50	ug/l	25.0		92	70-130			
cis-1,2-Dichloroethene	20.5	0.50	ug/l	25.0		82	70-130			
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130			
1,2-Dichloropropane	24.8	0.50	ug/l	25.0		99	70-130			
1,3-Dichloropropane	24.9	0.50	ug/l	25.0		99	70-130			
2,2-Dichloropropane	23.8	1.0	ug/l	25.0		95	70-130			

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Project Manager

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
LCS Analyzed: 03/15/2011 (11C0567-BS1)										
1,1-Dichloropropene	25.1	0.50	ug/l	25.0		100	70-130			
cis-1,3-Dichloropropene	25.0	0.50	ug/l	25.0		100	70-130			
trans-1,3-Dichloropropene	28.1	0.50	ug/l	25.0		112	70-130			
Ethylbenzene	24.2	0.50	ug/l	25.0		97	70-130			
Hexachlorobutadiene	28.0	1.0	ug/l	25.0		112	70-130			
2-Hexanone	28.0	2.5	ug/l	25.0		112	44-150			
Iodomethane	34.8	2.5	ug/l	25.0		139	58-138			*L3*
Isopropylbenzene	26.5	0.50	ug/l	25.0		106	70-130			
p-Isopropyltoluene	24.8	0.50	ug/l	25.0		99	70-130			
Methylene Chloride	21.3	1.0	ug/l	25.0		85	70-130			
4-Methyl-2-pentanone (MIBK)	30.0	2.5	ug/l	25.0		120	61-142			
Methyl-tert-butyl Ether (MTBE)	23.2	0.50	ug/l	25.0		93	70-130			
Naphthalene	28.4	2.5	ug/l	25.0		114	65-129			
n-Propylbenzene	25.1	0.50	ug/l	25.0		100	70-130			
Styrene	24.8	0.50	ug/l	25.0		99	70-130			
1,1,1,2-Tetrachloroethane	23.8	0.50	ug/l	25.0		95	70-130			
1,1,2,2-Tetrachloroethane	26.1	0.50	ug/l	25.0		104	70-130			
Tetrachloroethene	24.0	0.50	ug/l	25.0		96	70-130			
Toluene	23.8	0.50	ug/l	25.0		95	70-130			
1,2,3-Trichlorobenzene	27.5	1.0	ug/l	25.0		110	70-130			
1,2,4-Trichlorobenzene	27.4	1.0	ug/l	25.0		109	70-130			
1,1,1-Trichloroethane	23.2	0.50	ug/l	25.0		93	70-130			
1,1,2-Trichloroethane	25.0	0.50	ug/l	25.0		100	70-130			
Trichloroethene	24.8	0.50	ug/l	25.0		99	70-130			
Trichlorofluoromethane	28.5	0.50	ug/l	25.0		114	78-149			
1,2,3-Trichloropropane	27.1	1.0	ug/l	25.0		108	70-130			
1,2,4-Trimethylbenzene	24.8	0.50	ug/l	25.0		99	70-130			
1,3,5-Trimethylbenzene	25.1	0.50	ug/l	25.0		100	70-130			
Vinyl Acetate	39.0	1.0	ug/l	25.0		156	57-149			*L3*
Vinyl chloride	24.9	0.50	ug/l	25.0		100	66-134			
Xylenes, Total	49.5	1.0	ug/l	50.0		99	70-130			
Freon 113	23.3	2.0	ug/l	25.0		93	63-136			
Surrogate: Dibromofluoromethane	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*24.5*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*70-130*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
LCS Dup Analyzed: 03/15/2011 (11C0567-BSD1)										
Acetone	17.4	10	ug/l	25.0		69	30-150	21	35	
Benzene	23.8	0.50	ug/l	25.0		95	70-130	1	20	
Bromobenzene	23.3	0.50	ug/l	25.0		93	70-130	3	20	
Bromochloromethane	20.6	0.50	ug/l	25.0		82	70-130	10	20	
Bromodichloromethane	24.6	0.50	ug/l	25.0		98	70-130	5	20	
Bromoform	22.4	1.0	ug/l	25.0		89	67-122	13	20	
Bromomethane	22.8	1.0	ug/l	25.0		91	64-132	15	20	
2-Butanone (MEK)	21.6	2.5	ug/l	25.0		87	48-150	17	33	
n-Butylbenzene	25.8	0.50	ug/l	25.0		103	70-130	2	20	
sec-Butylbenzene	24.5	0.50	ug/l	25.0		98	70-130	3	20	
tert-Butylbenzene	23.6	0.50	ug/l	25.0		94	70-130	4	20	
Carbon disulfide	24.0	0.50	ug/l	25.0		96	61-126	2	20	
Carbon tetrachloride	27.3	0.50	ug/l	25.0		109	70-130	2	20	
Chlorobenzene	23.9	0.50	ug/l	25.0		96	70-130	0.6	20	
Chloroethane	23.9	1.0	ug/l	25.0		95	69-128	2	20	
Chloroform	22.2	0.50	ug/l	25.0		89	70-130	2	20	
Chloromethane	27.0	1.0	ug/l	25.0		108	56-131	9	20	
2-Chlorotoluene	23.5	0.50	ug/l	25.0		94	70-130	1	20	
4-Chlorotoluene	24.3	0.50	ug/l	25.0		97	70-130	1	20	
Dibromochloromethane	24.0	0.50	ug/l	25.0		96	70-130	8	20	
1,2-Dibromo-3-chloropropane	21.9	2.5	ug/l	25.0		87	63-129	17	25	
1,2-Dibromoethane (EDB)	22.8	0.50	ug/l	25.0		91	70-130	10	20	
Dibromomethane	24.6	0.50	ug/l	25.0		99	70-130	6	20	
1,2-Dichlorobenzene	23.5	0.50	ug/l	25.0		94	70-130	3	20	
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0		91	70-130	1	20	
1,4-Dichlorobenzene	23.4	0.50	ug/l	25.0		93	70-130	2	20	
Dichlorodifluoromethane	27.8	0.50	ug/l	25.0		111	42-150	1	20	
1,1-Dichloroethane	22.8	0.50	ug/l	25.0		91	70-130	6	20	
1,2-Dichloroethane	22.4	0.50	ug/l	25.0		90	72-133	6	20	
1,1-Dichloroethene	23.4	0.50	ug/l	25.0		93	70-130	1	20	
cis-1,2-Dichloroethene	21.0	0.50	ug/l	25.0		84	70-130	2	20	
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130	0.09	20	
1,2-Dichloropropane	24.0	0.50	ug/l	25.0		96	70-130	3	20	
1,3-Dichloropropane	23.1	0.50	ug/l	25.0		93	70-130	7	20	
2,2-Dichloropropane	22.6	1.0	ug/l	25.0		90	70-130	5	20	

TestAmerica Phoenix

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Report Number: PUC0635

Sampled: 03/09/11
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
LCS Dup Analyzed: 03/15/2011 (11C0567-BSD1)										
1,1-Dichloropropene	26.1	0.50	ug/l	25.0		104	70-130	4	20	
cis-1,3-Dichloropropene	24.7	0.50	ug/l	25.0		99	70-130	1	20	
trans-1,3-Dichloropropene	25.9	0.50	ug/l	25.0		104	70-130	8	20	
Ethylbenzene	24.9	0.50	ug/l	25.0		100	70-130	3	20	
Hexachlorobutadiene	27.5	1.0	ug/l	25.0		110	70-130	2	20	
2-Hexanone	21.2	2.5	ug/l	25.0		85	44-150	28	31	
Iodomethane	25.8	2.5	ug/l	25.0		103	58-138	30	25	*R1*
Isopropylbenzene	26.5	0.50	ug/l	25.0		106	70-130	0.08	20	
p-Isopropyltoluene	24.8	0.50	ug/l	25.0		99	70-130	0.2	20	
Methylene Chloride	20.8	1.0	ug/l	25.0		83	70-130	3	20	
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0		94	61-142	25	22	*R6*
Methyl-tert-butyl Ether (MTBE)	21.0	0.50	ug/l	25.0		84	70-130	10	20	
Naphthalene	24.3	2.5	ug/l	25.0		97	65-129	16	20	
n-Propylbenzene	25.3	0.50	ug/l	25.0		101	70-130	0.8	20	
Styrene	24.8	0.50	ug/l	25.0		99	70-130	0.4	20	
1,1,1,2-Tetrachloroethane	23.0	0.50	ug/l	25.0		92	70-130	4	20	
1,1,2,2-Tetrachloroethane	22.3	0.50	ug/l	25.0		89	70-130	16	20	
Tetrachloroethene	25.0	0.50	ug/l	25.0		100	70-130	4	20	
Toluene	24.1	0.50	ug/l	25.0		96	70-130	1	20	
1,2,3-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130	11	20	
1,2,4-Trichlorobenzene	25.8	1.0	ug/l	25.0		103	70-130	6	20	
1,1,1-Trichloroethane	23.5	0.50	ug/l	25.0		94	70-130	2	20	
1,1,2-Trichloroethane	23.3	0.50	ug/l	25.0		93	70-130	7	20	
Trichloroethene	24.5	0.50	ug/l	25.0		98	70-130	1	20	
Trichlorofluoromethane	28.6	0.50	ug/l	25.0		115	78-149	0.6	20	
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0		91	70-130	17	20	
1,2,4-Trimethylbenzene	25.2	0.50	ug/l	25.0		101	70-130	1	20	
1,3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0		101	70-130	0.6	20	
Vinyl Acetate	29.0	1.0	ug/l	25.0		116	57-149	29	21	*R1*
Vinyl chloride	25.8	0.50	ug/l	25.0		103	66-134	4	20	
Xylenes, Total	49.8	1.0	ug/l	50.0		100	70-130	0.6	20	
Freon 113	23.8	2.0	ug/l	25.0		95	63-136	2	20	
Surrogate: Dibromofluoromethane	*21.2*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.7*		*ug/l*	*25.0*		*103*	*70-130*			

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Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Matrix Spike Analyzed: 03/15/2011 (11C0567-MS1)					**Source: PUC0635-01**					
Acetone	17.0	10	ug/l	25.0	ND	68	10-150			
Benzene	23.0	0.50	ug/l	25.0	ND	92	70-130			
Bromobenzene	23.6	0.50	ug/l	25.0	ND	95	70-130			
Bromochloromethane	21.0	0.50	ug/l	25.0	ND	84	70-130			
Bromodichloromethane	23.5	0.50	ug/l	25.0	ND	94	70-130			
Bromoform	23.3	1.0	ug/l	25.0	ND	93	62-126			
Bromomethane	23.7	1.0	ug/l	25.0	ND	95	55-136			
2-Butanone (MEK)	20.7	2.5	ug/l	25.0	ND	83	22-150			
n-Butylbenzene	24.6	0.50	ug/l	25.0	ND	99	70-130			
sec-Butylbenzene	23.9	0.50	ug/l	25.0	ND	96	70-130			
tert-Butylbenzene	24.5	0.50	ug/l	25.0	ND	98	70-130			
Carbon disulfide	24.8	0.50	ug/l	25.0	0.220	98	56-132			
Carbon tetrachloride	26.2	0.50	ug/l	25.0	ND	105	76-131			
Chlorobenzene	22.9	0.50	ug/l	25.0	ND	91	70-130			
Chloroethane	23.6	1.0	ug/l	25.0	ND	94	67-134			
Chloroform	21.2	0.50	ug/l	25.0	ND	85	70-130			
Chloromethane	25.6	1.0	ug/l	25.0	ND	102	50-135			
2-Chlorotoluene	23.7	0.50	ug/l	25.0	ND	95	70-130			
4-Chlorotoluene	24.4	0.50	ug/l	25.0	ND	98	70-130			
Dibromochloromethane	24.2	0.50	ug/l	25.0	ND	97	70-130			
1,2-Dibromo-3-chloropropane	23.4	2.5	ug/l	25.0	ND	94	60-135			
1,2-Dibromoethane (EDB)	23.4	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	24.1	0.50	ug/l	25.0	ND	96	70-130			
1,2-Dichlorobenzene	23.2	0.50	ug/l	25.0	ND	93	70-130			
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,4-Dichlorobenzene	23.2	0.50	ug/l	25.0	ND	93	70-130			
Dichlorodifluoromethane	27.6	0.50	ug/l	25.0	ND	110	36-150			
1,1-Dichloroethane	21.8	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	68-143			
1,1-Dichloroethene	23.8	0.50	ug/l	25.0	ND	95	70-130			
cis-1,2-Dichloroethene	20.6	0.50	ug/l	25.0	ND	83	70-130			
trans-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichloropropane	23.5	0.50	ug/l	25.0	ND	94	70-130			
2,2-Dichloropropane	23.9	1.0	ug/l	25.0	ND	96	66-130			

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Matrix Spike Analyzed: 03/15/2011 (11C0567-MS1)					**Source: PUC0635-01**					
1,1-Dichloropropene	25.6	0.50	ug/l	25.0	ND	102	70-130			
cis-1,3-Dichloropropene	24.1	0.50	ug/l	25.0	ND	97	70-130			
trans-1,3-Dichloropropene	25.2	0.50	ug/l	25.0	ND	101	71-132			
Ethylbenzene	25.1	0.50	ug/l	25.0	0.500	98	70-130			
Hexachlorobutadiene	25.1	1.0	ug/l	25.0	ND	100	66-129			
2-Hexanone	23.3	2.5	ug/l	25.0	ND	93	18-150			
Iodomethane	31.7	2.5	ug/l	25.0	ND	127	47-141			
Isopropylbenzene	26.9	0.50	ug/l	25.0	ND	108	78-137			
p-Isopropyltoluene	24.1	0.50	ug/l	25.0	ND	96	70-130			
Methylene Chloride	20.3	1.0	ug/l	25.0	ND	81	74-132			
4-Methyl-2-pentanone (MIBK)	25.6	2.5	ug/l	25.0	ND	102	56-145			
Methyl-tert-butyl Ether (MTBE)	20.7	0.50	ug/l	25.0	ND	83	67-138			
Naphthalene	26.0	2.5	ug/l	25.0	ND	104	54-135			
n-Propylbenzene	25.8	0.50	ug/l	25.0	ND	103	70-130			
Styrene	24.3	0.50	ug/l	25.0	ND	97	51-123			
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,1,2,2-Tetrachloroethane	24.2	0.50	ug/l	25.0	ND	97	69-133			
Tetrachloroethene	24.9	0.50	ug/l	25.0	ND	100	70-130			
Toluene	23.6	0.50	ug/l	25.0	ND	94	70-130			
1,2,3-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	70-130			
1,2,4-Trichlorobenzene	25.4	1.0	ug/l	25.0	ND	102	66-126			
1,1,1-Trichloroethane	23.0	0.50	ug/l	25.0	ND	92	76-132			
1,1,2-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	70-130			
Trichloroethene	24.3	0.50	ug/l	25.0	ND	97	70-130			
Trichlorofluoromethane	28.7	0.50	ug/l	25.0	ND	115	74-150			
1,2,3-Trichloropropane	24.8	1.0	ug/l	25.0	ND	99	70-130			
1,2,4-Trimethylbenzene	24.8	0.50	ug/l	25.0	ND	99	70-130			
1,3,5-Trimethylbenzene	24.8	0.50	ug/l	25.0	ND	99	61-138			
Vinyl Acetate	35.9	1.0	ug/l	25.0	ND	144	50-150			
Vinyl chloride	26.2	0.50	ug/l	25.0	ND	105	58-139			
Xylenes, Total	52.6	1.0	ug/l	50.0	1.75	102	70-130			
Freon 113	23.8	2.0	ug/l	25.0	ND	95	56-148			
Surrogate: Dibromofluoromethane	*21.5*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*70-130*			

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Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Matrix Spike Dup Analyzed: 03/15/2011 (11C0567-MSD1)					**Source: PUC0635-01**					
Acetone	16.1	10	ug/l	25.0	ND	64	10-150	5	35	
Benzene	22.8	0.50	ug/l	25.0	ND	91	70-130	0.7	20	
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130	3	20	
Bromochloromethane	19.7	0.50	ug/l	25.0	ND	79	70-130	6	20	
Bromodichloromethane	22.8	0.50	ug/l	25.0	ND	91	70-130	3	20	
Bromoform	21.5	1.0	ug/l	25.0	ND	86	62-126	8	20	
Bromomethane	21.0	1.0	ug/l	25.0	ND	84	55-136	12	24	
2-Butanone (MEK)	19.6	2.5	ug/l	25.0	ND	79	22-150	5	31	
n-Butylbenzene	25.5	0.50	ug/l	25.0	ND	102	70-130	4	20	
sec-Butylbenzene	24.5	0.50	ug/l	25.0	ND	98	70-130	2	20	
tert-Butylbenzene	23.7	0.50	ug/l	25.0	ND	95	70-130	3	20	
Carbon disulfide	24.3	0.50	ug/l	25.0	0.220	96	56-132	2	20	
Carbon tetrachloride	25.4	0.50	ug/l	25.0	ND	102	76-131	3	20	
Chlorobenzene	22.4	0.50	ug/l	25.0	ND	89	70-130	2	20	
Chloroethane	22.7	1.0	ug/l	25.0	ND	91	67-134	4	20	
Chloroform	21.3	0.50	ug/l	25.0	ND	85	70-130	0.09	20	
Chloromethane	24.4	1.0	ug/l	25.0	ND	97	50-135	5	20	
2-Chlorotoluene	23.0	0.50	ug/l	25.0	ND	92	70-130	3	20	
4-Chlorotoluene	24.0	0.50	ug/l	25.0	ND	96	70-130	1	20	
Dibromochloromethane	22.6	0.50	ug/l	25.0	ND	91	70-130	6	20	
1,2-Dibromo-3-chloropropane	21.8	2.5	ug/l	25.0	ND	87	60-135	7	29	
1,2-Dibromoethane (EDB)	21.8	0.50	ug/l	25.0	ND	87	70-130	7	20	
Dibromomethane	22.8	0.50	ug/l	25.0	ND	91	70-130	6	20	
1,2-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	3	20	
1,3-Dichlorobenzene	22.5	0.50	ug/l	25.0	ND	90	70-130	1	20	
1,4-Dichlorobenzene	22.2	0.50	ug/l	25.0	ND	89	70-130	5	20	
Dichlorodifluoromethane	27.0	0.50	ug/l	25.0	ND	108	36-150	2	22	
1,1-Dichloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
1,2-Dichloroethane	21.0	0.50	ug/l	25.0	ND	84	68-143	4	20	
1,1-Dichloroethene	23.1	0.50	ug/l	25.0	ND	92	70-130	3	20	
cis-1,2-Dichloroethene	20.4	0.50	ug/l	25.0	ND	82	70-130	1	20	
trans-1,2-Dichloroethene	21.5	0.50	ug/l	25.0	ND	86	70-130	4	20	
1,2-Dichloropropane	23.1	0.50	ug/l	25.0	ND	92	70-130	1	20	
1,3-Dichloropropane	22.1	0.50	ug/l	25.0	ND	88	70-130	6	20	
2,2-Dichloropropane	22.4	1.0	ug/l	25.0	ND	90	66-130	7	20	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Matrix Spike Dup Analyzed: 03/15/2011 (11C0567-MSD1)					**Source: PUC0635-01**					
1,1-Dichloropropene	25.2	0.50	ug/l	25.0	ND	101	70-130	1	20	
cis-1,3-Dichloropropene	23.2	0.50	ug/l	25.0	ND	93	70-130	4	20	
trans-1,3-Dichloropropene	23.9	0.50	ug/l	25.0	ND	96	71-132	5	20	
Ethylbenzene	23.9	0.50	ug/l	25.0	0.500	94	70-130	5	20	
Hexachlorobutadiene	25.5	1.0	ug/l	25.0	ND	102	66-129	2	21	
2-Hexanone	20.8	2.5	ug/l	25.0	ND	83	18-150	11	25	
Iodomethane	25.2	2.5	ug/l	25.0	ND	101	47-141	23	29	
Isopropylbenzene	26.8	0.50	ug/l	25.0	ND	107	78-137	0.4	20	
p-Isopropyltoluene	24.4	0.50	ug/l	25.0	ND	98	70-130	2	20	
Methylene Chloride	20.3	1.0	ug/l	25.0	ND	81	74-132	0.3	20	
4-Methyl-2-pentanone (MIBK)	23.3	2.5	ug/l	25.0	ND	93	56-145	9	26	
Methyl-tert-butyl Ether (MTBE)	19.8	0.50	ug/l	25.0	ND	79	67-138	4	21	
Naphthalene	24.3	2.5	ug/l	25.0	ND	97	54-135	6	33	
n-Propylbenzene	24.7	0.50	ug/l	25.0	ND	99	70-130	4	20	
Styrene	23.2	0.50	ug/l	25.0	ND	93	51-123	4	21	
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130	2	20	
1,1,2,2-Tetrachloroethane	22.2	0.50	ug/l	25.0	ND	89	69-133	9	20	
Tetrachloroethene	24.4	0.50	ug/l	25.0	ND	98	70-130	2	20	
Toluene	22.6	0.50	ug/l	25.0	ND	90	70-130	4	20	
1,2,3-Trichlorobenzene	24.1	1.0	ug/l	25.0	ND	97	70-130	3	20	
1,2,4-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	66-126	2	20	
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	76-132	1	20	
1,1,2-Trichloroethane	22.2	0.50	ug/l	25.0	ND	89	70-130	2	20	
Trichloroethene	24.0	0.50	ug/l	25.0	ND	96	70-130	1	20	
Trichlorofluoromethane	27.6	0.50	ug/l	25.0	ND	110	74-150	4	20	
1,2,3-Trichloropropane	22.2	1.0	ug/l	25.0	ND	89	70-130	11	20	
1,2,4-Trimethylbenzene	24.3	0.50	ug/l	25.0	ND	97	70-130	2	20	
1,3,5-Trimethylbenzene	24.3	0.50	ug/l	25.0	ND	97	61-138	2	33	
Vinyl Acetate	31.1	1.0	ug/l	25.0	ND	124	50-150	14	23	
Vinyl chloride	25.4	0.50	ug/l	25.0	ND	101	58-139	3	21	
Xylenes, Total	50.5	1.0	ug/l	50.0	1.75	97	70-130	4	20	
Freon 113	23.5	2.0	ug/l	25.0	ND	94	56-148	1	22	
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.9*		*ug/l*	*25.0*		*104*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0426 Extracted: 03/11/11										
Blank Analyzed: 03/14/2011 (11C0426-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*13.6*		*ug/l*	*20.0*		*68*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*30-130*			
LCS Analyzed: 03/14/2011 (11C0426-BS1)										**Q8**
1,4-Dioxane	20.8	1.0	ug/l	20.0		104	85-115			
Surrogate: 1,4-Dioxane-d8	*14.7*		*ug/l*	*20.0*		*74*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.4*		*ug/l*	*20.0*		*87*	*35-140*			
LCS Dup Analyzed: 03/14/2011 (11C0426-BSD1)										**Q8**
1,4-Dioxane	20.7	1.0	ug/l	20.0		104	85-115	0.1	20	
Surrogate: 1,4-Dioxane-d8	*15.6*		*ug/l*	*20.0*		*78*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.1*		*ug/l*	*20.0*		*85*	*35-140*			

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Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West	Project ID: OU3 0096498.009	
7272 E. Indian School Rd. Ste 100		Sampled: 03/09/11
Scottsdale, AZ 85251	Report Number: PUC0635	Received: 03/09/11
Attention: Jason Hilker		

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica Phoenix

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management

CHAIN OF CUSTODY RECORD

PUC0635

NO: 2491

7272 E. Indian School Road, Suite 100 • Scottsdale, AZ • 85251 • (480) 998-2401 • FAX (480) 998-2106

PROJECT #	PROJECT NAME
0096498.009	CU3

SAMPLER: **(PRINT NAME)** Adam Nagle **(SIGNATURE)**

RECEIVING LABORATORY: Test America

SAMPLE I.D.	DATE	TIME	COMP	GRAB	SAMPLING METHOD	PRESERVATIVE	ICE (Y/N)	SAMPLING VOLUME	# OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	MATRIX: GAS	VOC (8260B)	1,4-Dioxane Only (8270C)								
CU3-14D-D-030911	3/9/11	0945		X	Pump	HCl / –	Y	40mL / 1L	3 / 2		X		X	X							–	01
CU3-12D-D-030911		1347																			–	02
SC-MW-1D-S-030911		1105																			–	03

REQUESTED PARAMETERS

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
ERM	3/9	1710			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
				3/9/11	1710

FIELD REMARKS: RUN LEVEL 3 (As Seperate report)

REMARKS ON SAMPLE RECEIPT: ☑ BOTTLE INTACT ☐ CUSTODY SEALS ☑ CHILLED ☐ PRESERVED ☐ SEALS INTACT ☐ SEE REMARKS

ERM REMARKS: 2-8°C

SEND REPORT TO: Jason.Hilker@ERM.com

WHITE – LABORATORY COPY CANARY – FIELD COPY PINK – DATABASE GOLD – PROJECT FILE

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.011

Sampled: 03/15/11
Received: 03/15/11
Issued: 03/24/11 07:50

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC1002-01	OU3-10S-S-031511	Water

SAMPLE RECEIPT: Samples were received intact, at 1°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1- Due to matrix interference the Internal Standard 1,4-Dichlorobenzene-d4 failed lower than method criteria. The surrogates Nitrobenzene-d5 and 1,4-Dioxane-d8 are calculated using this IS. The surrogate recoveries are estimated values due to the IS failure, causing the surrogates to recover higher than laboratory limits.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1002-01 (OU3-10S-S-031511 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0791	10	ND	1	3/22/2011	3/22/2011	V1
Benzene	EPA 8260B	11C0791	0.50	**0.69**	1	3/22/2011	3/22/2011	
Bromobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromodichloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Bromoform	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Bromomethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Butanone (MEK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
sec-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
tert-Butylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon disulfide	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Carbon tetrachloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Chloroethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Chloroform	EPA 8260B	11C0791	0.50	**1.6**	1	3/22/2011	3/22/2011	
Chloromethane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
2-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
4-Chlorotoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromochloromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dibromomethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Dichlorodifluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethane	EPA 8260B	11C0791	0.50	**1.3**	1	3/22/2011	3/22/2011	
1,2-Dichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1-Dichloroethene	EPA 8260B	11C0791	0.50	**1.4**	1	3/22/2011	3/22/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	**1.4**	1	3/22/2011	3/22/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3-Dichloropropane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
2,2-Dichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Ethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Hexachlorobutadiene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	

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Attention: Jason Hilker

Project ID: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1002-01 (OU3-10S-S-031511 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Iodomethane	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	L3
Isopropylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
p-Isopropyltoluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Methylene Chloride	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Naphthalene	EPA 8260B	11C0791	2.5	ND	1	3/22/2011	3/22/2011	
n-Propylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Styrene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Tetrachloroethene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Toluene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Trichloroethene	EPA 8260B	11C0791	0.50	**5.6**	1	3/22/2011	3/22/2011	
Trichlorofluoromethane	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Vinyl Acetate	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Vinyl chloride	EPA 8260B	11C0791	0.50	ND	1	3/22/2011	3/22/2011	
Xylenes, Total	EPA 8260B	11C0791	1.0	ND	1	3/22/2011	3/22/2011	
Freon 113	EPA 8260B	11C0791	2.0	ND	1	3/22/2011	3/22/2011	
Surrogate: Dibromofluoromethane (70-130%)				*89 %*				
Surrogate: Toluene-d8 (70-130%)				*91 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*88 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC1002-01 (OU3-10S-S-031511 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0614	1.0	**1.2**	1	3/16/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*71 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*84 %*				

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
Acetone	ND	10	ug/l							*V1*
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Blank Analyzed: 03/22/2011 (11C0791-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.0*		*ug/l*	*25.0*		*88*	*70-130*			

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
Acetone	30.6	10	ug/l	25.0		122	30-150			*V1*
Benzene	20.1	0.50	ug/l	25.0		81	70-130			
Bromobenzene	21.1	0.50	ug/l	25.0		85	70-130			
Bromochloromethane	20.9	0.50	ug/l	25.0		84	70-130			
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130			
Bromoform	22.1	1.0	ug/l	25.0		89	67-122			
Bromomethane	20.8	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0		103	48-150			
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130			
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
tert-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130			
Carbon disulfide	29.0	0.50	ug/l	25.0		116	61-126			
Carbon tetrachloride	21.4	0.50	ug/l	25.0		86	70-130			
Chlorobenzene	20.7	0.50	ug/l	25.0		83	70-130			
Chloroethane	21.3	1.0	ug/l	25.0		85	69-128			
Chloroform	20.2	0.50	ug/l	25.0		81	70-130			
Chloromethane	17.5	1.0	ug/l	25.0		70	56-131			
2-Chlorotoluene	20.4	0.50	ug/l	25.0		82	70-130			
4-Chlorotoluene	21.3	0.50	ug/l	25.0		85	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	21.4	2.5	ug/l	25.0		86	63-129			
1,2-Dibromoethane (EDB)	21.3	0.50	ug/l	25.0		85	70-130			
Dibromomethane	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichlorobenzene	20.8	0.50	ug/l	25.0		83	70-130			
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0		84	70-130			
1,4-Dichlorobenzene	20.9	0.50	ug/l	25.0		83	70-130			
Dichlorodifluoromethane	20.6	0.50	ug/l	25.0		82	42-150			
1,1-Dichloroethane	20.6	0.50	ug/l	25.0		82	70-130			
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133			
1,1-Dichloroethene	25.7	0.50	ug/l	25.0		103	70-130			
cis-1,2-Dichloroethene	19.9	0.50	ug/l	25.0		79	70-130			
trans-1,2-Dichloroethene	21.1	0.50	ug/l	25.0		84	70-130			
1,2-Dichloropropane	20.7	0.50	ug/l	25.0		83	70-130			
1,3-Dichloropropane	20.9	0.50	ug/l	25.0		84	70-130			
2,2-Dichloropropane	21.0	1.0	ug/l	25.0		84	70-130			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Analyzed: 03/22/2011 (11C0791-BS1)										
1,1-Dichloropropene	21.0	0.50	ug/l	25.0		84	70-130			
cis-1,3-Dichloropropene	21.4	0.50	ug/l	25.0		86	70-130			
trans-1,3-Dichloropropene	22.4	0.50	ug/l	25.0		89	70-130			
Ethylbenzene	20.7	0.50	ug/l	25.0		83	70-130			
Hexachlorobutadiene	22.0	1.0	ug/l	25.0		88	70-130			
2-Hexanone	24.6	2.5	ug/l	25.0		98	44-150			
Iodomethane	38.3	2.5	ug/l	25.0		153	58-138			*L3*
Isopropylbenzene	22.9	0.50	ug/l	25.0		92	70-130			
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130			
Methylene Chloride	24.7	1.0	ug/l	25.0		99	70-130			
4-Methyl-2-pentanone (MIBK)	23.5	2.5	ug/l	25.0		94	61-142			
Methyl-tert-butyl Ether (MTBE)	20.0	0.50	ug/l	25.0		80	70-130			
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129			
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130			
Styrene	21.6	0.50	ug/l	25.0		86	70-130			
1,1,1,2-Tetrachloroethane	20.8	0.50	ug/l	25.0		83	70-130			
1,1,2,2-Tetrachloroethane	21.4	0.50	ug/l	25.0		86	70-130			
Tetrachloroethene	20.8	0.50	ug/l	25.0		83	70-130			
Toluene	20.2	0.50	ug/l	25.0		81	70-130			
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,2,4-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130			
1,1,1-Trichloroethane	20.9	0.50	ug/l	25.0		84	70-130			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
Trichloroethene	20.7	0.50	ug/l	25.0		83	70-130			
Trichlorofluoromethane	23.8	0.50	ug/l	25.0		95	78-149			
1,2,3-Trichloropropane	21.8	1.0	ug/l	25.0		87	70-130			
1,2,4-Trimethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
1,3,5-Trimethylbenzene	21.4	0.50	ug/l	25.0		86	70-130			
Vinyl Acetate	26.4	1.0	ug/l	25.0		105	57-149			
Vinyl chloride	21.0	0.50	ug/l	25.0		84	66-134			
Xylenes, Total	41.1	1.0	ug/l	50.0		82	70-130			
Freon 113	24.5	2.0	ug/l	25.0		98	63-136			
Surrogate: Dibromofluoromethane	*23.2*		*ug/l*	*25.0*		*93*	*70-130*			
Surrogate: Toluene-d8	*22.6*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
Acetone	28.4	10	ug/l	25.0		113	30-150	7	35	*V1*
Benzene	20.0	0.50	ug/l	25.0		80	70-130	0.7	20	
Bromobenzene	22.0	0.50	ug/l	25.0		88	70-130	4	20	
Bromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	0.5	20	
Bromodichloromethane	21.0	0.50	ug/l	25.0		84	70-130	0.9	20	
Bromoform	23.0	1.0	ug/l	25.0		92	67-122	4	20	
Bromomethane	18.3	1.0	ug/l	25.0		73	64-132	13	20	
2-Butanone (MEK)	23.3	2.5	ug/l	25.0		93	48-150	9	33	
n-Butylbenzene	22.0	0.50	ug/l	25.0		88	70-130	0.3	20	
sec-Butylbenzene	21.0	0.50	ug/l	25.0		84	70-130	0.1	20	
tert-Butylbenzene	21.3	0.50	ug/l	25.0		85	70-130	1	20	
Carbon disulfide	23.5	0.50	ug/l	25.0		94	61-126	21	20	*R6*
Carbon tetrachloride	21.2	0.50	ug/l	25.0		85	70-130	1	20	
Chlorobenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Chloroethane	19.9	1.0	ug/l	25.0		79	69-128	7	20	
Chloroform	19.6	0.50	ug/l	25.0		78	70-130	3	20	
Chloromethane	16.5	1.0	ug/l	25.0		66	56-131	6	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0		82	70-130	0.8	20	
4-Chlorotoluene	21.4	0.50	ug/l	25.0		86	70-130	0.5	20	
Dibromochloromethane	20.8	0.50	ug/l	25.0		83	70-130	4	20	
1,2-Dibromo-3-chloropropane	22.4	2.5	ug/l	25.0		90	63-129	4	25	
1,2-Dibromoethane (EDB)	20.8	0.50	ug/l	25.0		83	70-130	2	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	3	20	
1,2-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	2	20	
1,3-Dichlorobenzene	21.2	0.50	ug/l	25.0		85	70-130	1	20	
1,4-Dichlorobenzene	21.4	0.50	ug/l	25.0		85	70-130	2	20	
Dichlorodifluoromethane	19.2	0.50	ug/l	25.0		77	42-150	7	20	
1,1-Dichloroethane	20.0	0.50	ug/l	25.0		80	70-130	3	20	
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133	3	20	
1,1-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130	25	20	*R6*
cis-1,2-Dichloroethene	19.5	0.50	ug/l	25.0		78	70-130	2	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0		81	70-130	4	20	
1,2-Dichloropropane	21.0	0.50	ug/l	25.0		84	70-130	1	20	
1,3-Dichloropropane	20.8	0.50	ug/l	25.0		83	70-130	0.2	20	
2,2-Dichloropropane	20.3	1.0	ug/l	25.0		81	70-130	3	20	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
LCS Dup Analyzed: 03/22/2011 (11C0791-BSD1)										
1,1-Dichloropropene	20.9	0.50	ug/l	25.0		84	70-130	0.5	20	
cis-1,3-Dichloropropene	21.2	0.50	ug/l	25.0		85	70-130	0.9	20	
trans-1,3-Dichloropropene	21.7	0.50	ug/l	25.0		87	70-130	3	20	
Ethylbenzene	20.0	0.50	ug/l	25.0		80	70-130	3	20	
Hexachlorobutadiene	22.4	1.0	ug/l	25.0		90	70-130	2	20	
2-Hexanone	23.2	2.5	ug/l	25.0		93	44-150	6	31	
Iodomethane	24.8	2.5	ug/l	25.0		99	58-138	43	25	*R1*
Isopropylbenzene	23.3	0.50	ug/l	25.0		93	70-130	2	20	
p-Isopropyltoluene	21.9	0.50	ug/l	25.0		88	70-130	0.05	20	
Methylene Chloride	19.9	1.0	ug/l	25.0		80	70-130	22	20	*R6*
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0		94	61-142	0.4	22	
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0		80	70-130	0.3	20	
Naphthalene	24.0	2.5	ug/l	25.0		96	65-129	0.1	20	
n-Propylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Styrene	21.4	0.50	ug/l	25.0		86	70-130	0.9	20	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0		82	70-130	2	20	
1,1,2,2-Tetrachloroethane	21.9	0.50	ug/l	25.0		88	70-130	2	20	
Tetrachloroethene	20.3	0.50	ug/l	25.0		81	70-130	2	20	
Toluene	20.1	0.50	ug/l	25.0		80	70-130	0.8	20	
1,2,3-Trichlorobenzene	23.3	1.0	ug/l	25.0		93	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0		97	70-130	2	20	
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0		83	70-130	1	20	
1,1,2-Trichloroethane	20.6	0.50	ug/l	25.0		82	70-130	3	20	
Trichloroethene	20.2	0.50	ug/l	25.0		81	70-130	3	20	
Trichlorofluoromethane	22.6	0.50	ug/l	25.0		90	78-149	5	20	
1,2,3-Trichloropropane	22.6	1.0	ug/l	25.0		90	70-130	4	20	
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0		87	70-130	1	20	
1,3,5-Trimethylbenzene	21.5	0.50	ug/l	25.0		86	70-130	0.3	20	
Vinyl Acetate	26.1	1.0	ug/l	25.0		104	57-149	1	21	
Vinyl chloride	19.3	0.50	ug/l	25.0		77	66-134	9	20	
Xylenes, Total	39.6	1.0	ug/l	50.0		79	70-130	3	20	
Freon 113	19.3	2.0	ug/l	25.0		77	63-136	24	20	*R6*
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
Acetone	27.2	10	ug/l	25.0	ND	109	10-150			*V1*
Benzene	19.8	0.50	ug/l	25.0	ND	79	70-130			
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Bromochloromethane	20.5	0.50	ug/l	25.0	ND	82	70-130			
Bromodichloromethane	20.6	0.50	ug/l	25.0	ND	83	70-130			
Bromoform	22.7	1.0	ug/l	25.0	ND	91	62-126			
Bromomethane	18.1	1.0	ug/l	25.0	ND	72	55-136			
2-Butanone (MEK)	23.7	2.5	ug/l	25.0	ND	95	22-150			
n-Butylbenzene	22.2	0.50	ug/l	25.0	ND	89	70-130			
sec-Butylbenzene	21.2	0.50	ug/l	25.0	ND	85	70-130			
tert-Butylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130			
Carbon disulfide	23.5	0.50	ug/l	25.0	ND	94	56-132			
Carbon tetrachloride	21.5	0.50	ug/l	25.0	ND	86	76-131			
Chlorobenzene	20.6	0.50	ug/l	25.0	ND	82	70-130			
Chloroethane	20.1	1.0	ug/l	25.0	ND	80	67-134			
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130			
Chloromethane	17.4	1.0	ug/l	25.0	ND	70	50-135			
2-Chlorotoluene	20.7	0.50	ug/l	25.0	ND	83	70-130			
4-Chlorotoluene	21.9	0.50	ug/l	25.0	ND	88	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dibromo-3-chloropropane	21.6	2.5	ug/l	25.0	ND	86	60-135			
1,2-Dibromoethane (EDB)	21.1	0.50	ug/l	25.0	ND	84	70-130			
Dibromomethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
1,2-Dichlorobenzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,3-Dichlorobenzene	21.3	0.50	ug/l	25.0	ND	85	70-130			
1,4-Dichlorobenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150			
1,1-Dichloroethane	21.6	0.50	ug/l	25.0	1.90	79	70-130			
1,2-Dichloroethane	20.4	0.50	ug/l	25.0	ND	81	68-143			
1,1-Dichloroethene	22.4	0.50	ug/l	25.0	2.71	79	70-130			
cis-1,2-Dichloroethene	21.4	0.50	ug/l	25.0	1.96	78	70-130			
trans-1,2-Dichloroethene	20.2	0.50	ug/l	25.0	ND	81	70-130			
1,2-Dichloropropane	21.2	0.50	ug/l	25.0	ND	85	70-130			
1,3-Dichloropropane	20.6	0.50	ug/l	25.0	ND	83	70-130			
2,2-Dichloropropane	19.9	1.0	ug/l	25.0	ND	79	66-130			

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Analyzed: 03/22/2011 (11C0791-MS1)					**Source: PUC0982-02**					
1,1-Dichloropropene	21.2	0.50	ug/l	25.0	ND	85	70-130			
cis-1,3-Dichloropropene	20.9	0.50	ug/l	25.0	ND	83	70-130			
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132			
Ethylbenzene	20.6	0.50	ug/l	25.0	ND	83	70-130			
Hexachlorobutadiene	23.0	1.0	ug/l	25.0	ND	92	66-129			
2-Hexanone	24.2	2.5	ug/l	25.0	ND	97	18-150			
Iodomethane	24.2	2.5	ug/l	25.0	ND	97	47-141			
Isopropylbenzene	23.2	0.50	ug/l	25.0	ND	93	78-137			
p-Isopropyltoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
Methylene Chloride	19.8	1.0	ug/l	25.0	ND	79	74-132			
4-Methyl-2-pentanone (MIBK)	23.1	2.5	ug/l	25.0	ND	92	56-145			
Methyl-tert-butyl Ether (MTBE)	19.9	0.50	ug/l	25.0	0.140	79	67-138			
Naphthalene	22.8	2.5	ug/l	25.0	ND	91	54-135			
n-Propylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
Styrene	19.9	0.50	ug/l	25.0	ND	80	51-123			
1,1,1,2-Tetrachloroethane	20.9	0.50	ug/l	25.0	ND	84	70-130			
1,1,2,2-Tetrachloroethane	22.1	0.50	ug/l	25.0	ND	88	69-133			
Tetrachloroethene	21.2	0.50	ug/l	25.0	0.430	83	70-130			
Toluene	20.1	0.50	ug/l	25.0	ND	80	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	70-130			
1,2,4-Trichlorobenzene	23.4	1.0	ug/l	25.0	ND	94	66-126			
1,1,1-Trichloroethane	20.7	0.50	ug/l	25.0	ND	83	76-132			
1,1,2-Trichloroethane	21.2	0.50	ug/l	25.0	ND	85	70-130			
Trichloroethene	28.0	0.50	ug/l	25.0	7.93	80	70-130			
Trichlorofluoromethane	23.9	0.50	ug/l	25.0	0.130	95	74-150			
1,2,3-Trichloropropane	22.1	1.0	ug/l	25.0	ND	88	70-130			
1,2,4-Trimethylbenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3,5-Trimethylbenzene	21.8	0.50	ug/l	25.0	ND	87	61-138			
Vinyl Acetate	24.4	1.0	ug/l	25.0	ND	98	50-150			
Vinyl chloride	19.0	0.50	ug/l	25.0	ND	76	58-139			
Xylenes, Total	40.7	1.0	ug/l	50.0	ND	81	70-130			
Freon 113	19.4	2.0	ug/l	25.0	ND	78	56-148			
Surrogate: Dibromofluoromethane	*23.6*		*ug/l*	*25.0*		*94*	*70-130*			
Surrogate: Toluene-d8	*22.9*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*22.8*		*ug/l*	*25.0*		*91*	*70-130*			

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Report Number: PUC1002

Sampled: 03/15/11
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
Acetone	25.0	10	ug/l	25.0	ND	100	10-150	8	35	*V1*
Benzene	19.9	0.50	ug/l	25.0	ND	80	70-130	0.4	20	
Bromobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	0.05	20	
Bromochloromethane	20.9	0.50	ug/l	25.0	ND	83	70-130	2	20	
Bromodichloromethane	20.8	0.50	ug/l	25.0	ND	83	70-130	0.8	20	
Bromoform	22.4	1.0	ug/l	25.0	ND	89	62-126	2	20	
Bromomethane	18.4	1.0	ug/l	25.0	ND	73	55-136	1	24	
2-Butanone (MEK)	23.1	2.5	ug/l	25.0	ND	92	22-150	2	31	
n-Butylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	1	20	
sec-Butylbenzene	21.1	0.50	ug/l	25.0	ND	84	70-130	0.6	20	
tert-Butylbenzene	21.0	0.50	ug/l	25.0	ND	84	70-130	2	20	
Carbon disulfide	23.0	0.50	ug/l	25.0	ND	92	56-132	2	20	
Carbon tetrachloride	21.0	0.50	ug/l	25.0	ND	84	76-131	2	20	
Chlorobenzene	20.4	0.50	ug/l	25.0	ND	82	70-130	0.9	20	
Chloroethane	19.9	1.0	ug/l	25.0	ND	80	67-134	0.7	20	
Chloroform	21.4	0.50	ug/l	25.0	1.44	80	70-130	0.05	20	
Chloromethane	18.1	1.0	ug/l	25.0	ND	72	50-135	4	20	
2-Chlorotoluene	20.6	0.50	ug/l	25.0	ND	83	70-130	0.3	20	
4-Chlorotoluene	21.6	0.50	ug/l	25.0	ND	86	70-130	1	20	
Dibromochloromethane	21.7	0.50	ug/l	25.0	ND	87	70-130	0.09	20	
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0	ND	91	60-135	6	29	
1,2-Dibromoethane (EDB)	22.0	0.50	ug/l	25.0	ND	88	70-130	4	20	
Dibromomethane	21.4	0.50	ug/l	25.0	ND	86	70-130	0.5	20	
1,2-Dichlorobenzene	21.4	0.50	ug/l	25.0	ND	85	70-130	1	20	
1,3-Dichlorobenzene	20.9	0.50	ug/l	25.0	ND	84	70-130	2	20	
1,4-Dichlorobenzene	21.2	0.50	ug/l	25.0	ND	85	70-130	3	20	
Dichlorodifluoromethane	19.0	0.50	ug/l	25.0	ND	76	36-150	0.05	22	
1,1-Dichloroethane	21.7	0.50	ug/l	25.0	1.90	79	70-130	0.6	20	
1,2-Dichloroethane	20.3	0.50	ug/l	25.0	ND	81	68-143	0.2	20	
1,1-Dichloroethene	22.3	0.50	ug/l	25.0	2.71	78	70-130	0.7	20	
cis-1,2-Dichloroethene	21.1	0.50	ug/l	25.0	1.96	77	70-130	1	20	
trans-1,2-Dichloroethene	20.3	0.50	ug/l	25.0	ND	81	70-130	0.2	20	
1,2-Dichloropropane	20.8	0.50	ug/l	25.0	ND	83	70-130	2	20	
1,3-Dichloropropane	21.1	0.50	ug/l	25.0	ND	84	70-130	2	20	
2,2-Dichloropropane	19.5	1.0	ug/l	25.0	ND	78	66-130	2	20	

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0791 Extracted: 03/22/11										
Matrix Spike Dup Analyzed: 03/22/2011 (11C0791-MSD1)					**Source: PUC0982-02**					
1,1-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	3	20	
cis-1,3-Dichloropropene	20.6	0.50	ug/l	25.0	ND	82	70-130	1	20	
trans-1,3-Dichloropropene	21.8	0.50	ug/l	25.0	ND	87	71-132	0.2	20	
Ethylbenzene	20.5	0.50	ug/l	25.0	ND	82	70-130	0.7	20	
Hexachlorobutadiene	21.9	1.0	ug/l	25.0	ND	88	66-129	5	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	24.5	2.5	ug/l	25.0	ND	98	47-141	0.9	29	
Isopropylbenzene	23.1	0.50	ug/l	25.0	ND	92	78-137	0.3	20	
p-Isopropyltoluene	21.8	0.50	ug/l	25.0	ND	87	70-130	2	20	
Methylene Chloride	20.2	1.0	ug/l	25.0	ND	81	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	22.9	2.5	ug/l	25.0	ND	92	56-145	0.9	26	
Methyl-tert-butyl Ether (MTBE)	20.3	0.50	ug/l	25.0	0.140	81	67-138	2	21	
Naphthalene	24.5	2.5	ug/l	25.0	ND	98	54-135	7	33	
n-Propylbenzene	21.9	0.50	ug/l	25.0	ND	88	70-130	0.3	20	
Styrene	19.7	0.50	ug/l	25.0	ND	79	51-123	1	21	
1,1,1,2-Tetrachloroethane	20.5	0.50	ug/l	25.0	ND	82	70-130	2	20	
1,1,2,2-Tetrachloroethane	22.5	0.50	ug/l	25.0	ND	90	69-133	2	20	
Tetrachloroethene	21.1	0.50	ug/l	25.0	0.430	83	70-130	0.5	20	
Toluene	20.1	0.50	ug/l	25.0	ND	81	70-130	0.3	20	
1,2,3-Trichlorobenzene	24.0	1.0	ug/l	25.0	ND	96	70-130	2	20	
1,2,4-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	66-126	3	20	
1,1,1-Trichloroethane	20.4	0.50	ug/l	25.0	ND	82	76-132	1	20	
1,1,2-Trichloroethane	21.3	0.50	ug/l	25.0	ND	85	70-130	0.3	20	
Trichloroethene	28.2	0.50	ug/l	25.0	7.93	81	70-130	0.4	20	
Trichlorofluoromethane	23.6	0.50	ug/l	25.0	0.130	94	74-150	1	20	
1,2,3-Trichloropropane	22.5	1.0	ug/l	25.0	ND	90	70-130	2	20	
1,2,4-Trimethylbenzene	21.5	0.50	ug/l	25.0	ND	86	70-130	0.7	20	
1,3,5-Trimethylbenzene	21.2	0.50	ug/l	25.0	ND	85	61-138	3	33	
Vinyl Acetate	24.1	1.0	ug/l	25.0	ND	96	50-150	1	23	
Vinyl chloride	19.2	0.50	ug/l	25.0	ND	77	58-139	1	21	
Xylenes, Total	40.4	1.0	ug/l	50.0	ND	81	70-130	0.9	20	
Freon 113	19.2	2.0	ug/l	25.0	ND	77	56-148	1	22	
Surrogate: Dibromofluoromethane	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.4*		*ug/l*	*25.0*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/l*	*25.0*		*92*	*70-130*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0614 Extracted: 03/16/11										
Blank Analyzed: 03/18/2011 (11C0614-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.2*		*ug/l*	*20.0*		*81*	*30-130*			
LCS Analyzed: 03/18/2011 (11C0614-BS1)										
1,4-Dioxane	20.9	1.0	ug/l	20.0		105	85-115			
Surrogate: 1,4-Dioxane-d8	*14.7*		*ug/l*	*20.0*		*74*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.6*		*ug/l*	*20.0*		*83*	*35-140*			
LCS Dup Analyzed: 03/18/2011 (11C0614-BSD1)										
1,4-Dioxane	20.9	1.0	ug/l	20.0		105	85-115	0.05	20	
Surrogate: 1,4-Dioxane-d8	*15.3*		*ug/l*	*20.0*		*76*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*35-140*			
Matrix Spike Analyzed: 03/18/2011 (11C0614-MS1)					**Source: PUC0982-02**					
1,4-Dioxane	22.6	1.0	ug/l	20.0	1.54	105	70-125			
Surrogate: 1,4-Dioxane-d8	*15.2*		*ug/l*	*20.0*		*76*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.7*		*ug/l*	*20.0*		*84*	*30-130*			
Matrix Spike Analyzed: 03/18/2011 (11C0614-MS2)					**Source: PUC0911-02**					
1,4-Dioxane	21.3	1.0	ug/l	20.0	0.380	104	70-125			
Surrogate: 1,4-Dioxane-d8	*27.1*		*ug/l*	*20.0*		*135*	*20-105*			*N1, S4*
Surrogate: Nitrobenzene-d5	*33.6*		*ug/l*	*20.0*		*168*	*30-130*			*N1, S4*
Matrix Spike Dup Analyzed: 03/18/2011 (11C0614-MSD1)					**Source: PUC0982-02**					
1,4-Dioxane	22.2	1.0	ug/l	20.0	1.54	104	70-125	1	20	
Surrogate: 1,4-Dioxane-d8	*14.6*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.3*		*ug/l*	*20.0*		*87*	*30-130*			

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0614 Extracted: 03/16/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0614-MSD2)					**Source: PUC0911-02**					
1,4-Dioxane	21.5	1.0	ug/l	20.0	0.380	106	70-125	1	20	
Surrogate: 1,4-Dioxane-d8	*14.0*		*ug/l*	*20.0*		*70*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.9*		*ug/l*	*20.0*		*84*	*30-130*			

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
N1	See case narrative.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
S4	Surrogate recovery was above laboratory and method acceptance limits. No target analytes were detected in the sample.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.011
Report Number: PUC1002

Sampled: 03/15/11
Received: 03/15/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[ ] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Client Name/Address: ERM
7272 E. Indian School Rd
Scottsdale, AZ 85251

Project/PO Number: 0096498.011

Project Manager: Jason Hilker
Send Report to: Jason.Hilker@ERM.com

Phone Number: 480-998-2401

Sampler: Adam Nagle

Fax Number: 480 998-2106

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane Only (8270C)								Special Instructions
0813-105-S-031511	W	40ml / 1L	3 / 2	3/15/11	1110	HCl / -	X	X								PUC002-01

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)
[signature] / ERM	3/15 1100			same day ____ 72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____ 5 days ✓
				48 hours ____ normal ____
Relinquished By:	Date/Time:	Received in Lab By: [signature]	Date/Time: 3/15/11 1420	Sample Integrity: (Check) intact ✓ on ice ✓ 0.8°C

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.009

Sampled: 03/10/11
Received: 03/10/11
Issued: 03/21/11 20:55

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC0731-01	OU3-7S-S-031011	Water
PUC0731-02	OU3-7M2-M-031011	Water
PUC0731-03	OU3-1D-D-031011	Water
PUC0731-04	GW-EB3-031011	Water
PUC0731-05	GW-L1-4-031011	Water

SAMPLE RECEIPT: Samples were received intact, at 1°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
N1-Concentration exceeds the calibration range and therefore result is semi-quantitative.
N1a-The RPD exceeded the acceptance limit due to sample matrix effects.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0731-01 (OU3-7S-S-031011 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0599	10	ND	1	3/16/2011	3/16/2011	V1
Benzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromodichloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromoform	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Bromomethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Butanone (MEK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
sec-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
tert-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon disulfide	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon tetrachloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chloroethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Chloroform	EPA 8260B	11C0599	0.50	**1.1**	1	3/16/2011	3/16/2011	
Chloromethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
4-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromomethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dichlorodifluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
2,2-Dichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Ethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Hexachlorobutadiene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0731-01 (OU3-7S-S-031011 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Iodomethane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Isopropylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
p-Isopropyltoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Methylene Chloride	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Naphthalene	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Propylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Styrene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Tetrachloroethene	EPA 8260B	11C0599	0.50	**2.6**	1	3/16/2011	3/16/2011	
Toluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichlorofluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Vinyl Acetate	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Vinyl chloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Xylenes, Total	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Freon 113	EPA 8260B	11C0599	2.0	ND	1	3/16/2011	3/16/2011	
Surrogate: Dibromofluoromethane (70-130%)				*86 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*112 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0731-02 (OU3-7M2-M-031011 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0599	10	ND	1	3/16/2011	3/16/2011	V1
Benzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromodichloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromoform	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Bromomethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Butanone (MEK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
sec-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
tert-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon disulfide	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon tetrachloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chloroethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Chloroform	EPA 8260B	11C0599	0.50	**0.58**	1	3/16/2011	3/16/2011	
Chloromethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
4-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromomethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dichlorodifluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
2,2-Dichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Ethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Hexachlorobutadiene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0731-02 (OU3-7M2-M-031011 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Iodomethane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Isopropylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
p-Isopropyltoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Methylene Chloride	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Naphthalene	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Propylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Styrene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Tetrachloroethene	EPA 8260B	11C0599	0.50	**1.4**	1	3/16/2011	3/16/2011	
Toluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichloroethene	EPA 8260B	11C0599	0.50	**1.2**	1	3/16/2011	3/16/2011	
Trichlorofluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Vinyl Acetate	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Vinyl chloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Xylenes, Total	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Freon 113	EPA 8260B	11C0599	2.0	ND	1	3/16/2011	3/16/2011	
Surrogate: Dibromofluoromethane (70-130%)				*85 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*113 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0731-03 (OU3-1D-D-031011 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0599	10	ND	1	3/16/2011	3/16/2011	V1
Benzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromodichloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromoform	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Bromomethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Butanone (MEK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
sec-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
tert-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon disulfide	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon tetrachloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chloroethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Chloroform	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chloromethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
4-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromomethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dichlorodifluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
2,2-Dichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Ethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Hexachlorobutadiene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0731-03 (OU3-1D-D-031011 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Iodomethane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Isopropylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
p-Isopropyltoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Methylene Chloride	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Naphthalene	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Propylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Styrene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Tetrachloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Toluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichlorofluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Vinyl Acetate	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Vinyl chloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Xylenes, Total	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Freon 113	EPA 8260B	11C0599	2.0	ND	1	3/16/2011	3/16/2011	
Surrogate: Dibromofluoromethane (70-130%)				*88 %*				
Surrogate: Toluene-d8 (70-130%)				*98 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*110 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0731-04 (GW-EB3-031011 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0599	10	ND	1	3/16/2011	3/16/2011	V1
Benzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromodichloromethane	EPA 8260B	11C0599	0.50	**3.6**	1	3/16/2011	3/16/2011	
Bromoform	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Bromomethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Butanone (MEK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
sec-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
tert-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon disulfide	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon tetrachloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chloroethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Chloroform	EPA 8260B	11C0599	0.50	**5.4**	1	3/16/2011	3/16/2011	
Chloromethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
4-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromochloromethane	EPA 8260B	11C0599	0.50	**1.2**	1	3/16/2011	3/16/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromomethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dichlorodifluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
2,2-Dichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Ethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Hexachlorobutadiene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0731-04 (GW-EB3-031011 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Iodomethane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Isopropylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
p-Isopropyltoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Methylene Chloride	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Naphthalene	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Propylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Styrene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Tetrachloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Toluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichlorofluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Vinyl Acetate	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Vinyl chloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Xylenes, Total	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Freon 113	EPA 8260B	11C0599	2.0	ND	1	3/16/2011	3/16/2011	
Surrogate: Dibromofluoromethane (70-130%)				*82 %*				
Surrogate: Toluene-d8 (70-130%)				*101 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*108 %*				

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0731-05 (GW-L1-4-031011 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0599	10	ND	1	3/16/2011	3/16/2011	V1
Benzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromodichloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Bromoform	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Bromomethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Butanone (MEK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
sec-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
tert-Butylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon disulfide	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Carbon tetrachloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chloroethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Chloroform	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Chloromethane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
2-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
4-Chlorotoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromochloromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dibromomethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Dichlorodifluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3-Dichloropropane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
2,2-Dichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Ethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Hexachlorobutadiene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0731-05 (GW-L1-4-031011 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Iodomethane	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Isopropylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
p-Isopropyltoluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Methylene Chloride	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Naphthalene	EPA 8260B	11C0599	2.5	ND	1	3/16/2011	3/16/2011	
n-Propylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Styrene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Tetrachloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Toluene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichloroethene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Trichlorofluoromethane	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Vinyl Acetate	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Vinyl chloride	EPA 8260B	11C0599	0.50	ND	1	3/16/2011	3/16/2011	
Xylenes, Total	EPA 8260B	11C0599	1.0	ND	1	3/16/2011	3/16/2011	
Freon 113	EPA 8260B	11C0599	2.0	ND	1	3/16/2011	3/16/2011	
Surrogate: Dibromofluoromethane (70-130%)				*87 %*				
Surrogate: Toluene-d8 (70-130%)				*95 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*110 %*				

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0731-01 (OU3-7S-S-031011 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*70 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*80 %*				
Sample ID: PUC0731-02RE1 (OU3-7M2-M-031011 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0675	1.0	ND	1	3/17/2011	3/18/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*73 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*86 %*				
Sample ID: PUC0731-03 (OU3-1D-D-031011 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*64 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*73 %*				
Sample ID: PUC0731-04 (GW-EB3-031011 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*51 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*67 %*				

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0599 Extracted: 03/16/11										
Blank Analyzed: 03/16/2011 (11C0599-BLK1)										
Acetone	ND	10	ug/l							*V1*
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0599 Extracted: 03/16/11										
Blank Analyzed: 03/16/2011 (11C0599-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*21.1*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*24.5*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.5*		*ug/l*	*25.0*		*106*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0599 Extracted: 03/16/11										
LCS Analyzed: 03/16/2011 (11C0599-BS1)										
Acetone	36.8	10	ug/l	25.0		147	30-150			*V1*
Benzene	24.5	0.50	ug/l	25.0		98	70-130			
Bromobenzene	22.7	0.50	ug/l	25.0		91	70-130			
Bromochloromethane	22.7	0.50	ug/l	25.0		91	70-130			
Bromodichloromethane	25.7	0.50	ug/l	25.0		103	70-130			
Bromoform	25.5	1.0	ug/l	25.0		102	67-122			
Bromomethane	24.1	1.0	ug/l	25.0		96	64-132			
2-Butanone (MEK)	30.6	2.5	ug/l	25.0		122	48-150			
n-Butylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
sec-Butylbenzene	22.9	0.50	ug/l	25.0		92	70-130			
tert-Butylbenzene	21.8	0.50	ug/l	25.0		87	70-130			
Carbon disulfide	23.6	0.50	ug/l	25.0		95	61-126			
Carbon tetrachloride	26.9	0.50	ug/l	25.0		107	70-130			
Chlorobenzene	23.2	0.50	ug/l	25.0		93	70-130			
Chloroethane	23.4	1.0	ug/l	25.0		94	69-128			
Chloroform	22.5	0.50	ug/l	25.0		90	70-130			
Chloromethane	24.6	1.0	ug/l	25.0		99	56-131			
2-Chlorotoluene	22.1	0.50	ug/l	25.0		89	70-130			
4-Chlorotoluene	23.1	0.50	ug/l	25.0		92	70-130			
Dibromochloromethane	26.7	0.50	ug/l	25.0		107	70-130			
1,2-Dibromo-3-chloropropane	25.9	2.5	ug/l	25.0		104	63-129			
1,2-Dibromoethane (EDB)	26.0	0.50	ug/l	25.0		104	70-130			
Dibromomethane	27.7	0.50	ug/l	25.0		111	70-130			
1,2-Dichlorobenzene	23.0	0.50	ug/l	25.0		92	70-130			
1,3-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130			
1,4-Dichlorobenzene	22.4	0.50	ug/l	25.0		89	70-130			
Dichlorodifluoromethane	26.6	0.50	ug/l	25.0		107	42-150			
1,1-Dichloroethane	22.4	0.50	ug/l	25.0		90	70-130			
1,2-Dichloroethane	25.5	0.50	ug/l	25.0		102	72-133			
1,1-Dichloroethene	23.9	0.50	ug/l	25.0		96	70-130			
cis-1,2-Dichloroethene	21.1	0.50	ug/l	25.0		84	70-130			
trans-1,2-Dichloroethene	22.3	0.50	ug/l	25.0		89	70-130			
1,2-Dichloropropane	24.5	0.50	ug/l	25.0		98	70-130			
1,3-Dichloropropane	25.4	0.50	ug/l	25.0		102	70-130			
2,2-Dichloropropane	22.6	1.0	ug/l	25.0		90	70-130			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0599 Extracted: 03/16/11										
LCS Analyzed: 03/16/2011 (11C0599-BS1)										
1,1-Dichloropropene	25.4	0.50	ug/l	25.0		102	70-130			
cis-1,3-Dichloropropene	25.9	0.50	ug/l	25.0		104	70-130			
trans-1,3-Dichloropropene	27.8	0.50	ug/l	25.0		111	70-130			
Ethylbenzene	23.8	0.50	ug/l	25.0		95	70-130			
Hexachlorobutadiene	23.7	1.0	ug/l	25.0		95	70-130			
2-Hexanone	32.9	2.5	ug/l	25.0		132	44-150			
Iodomethane	25.5	2.5	ug/l	25.0		102	58-138			
Isopropylbenzene	25.0	0.50	ug/l	25.0		100	70-130			
p-Isopropyltoluene	22.7	0.50	ug/l	25.0		91	70-130			
Methylene Chloride	22.3	1.0	ug/l	25.0		89	70-130			
4-Methyl-2-pentanone (MIBK)	32.4	2.5	ug/l	25.0		129	61-142			
Methyl-tert-butyl Ether (MTBE)	24.6	0.50	ug/l	25.0		99	70-130			
Naphthalene	26.4	2.5	ug/l	25.0		105	65-129			
n-Propylbenzene	23.3	0.50	ug/l	25.0		93	70-130			
Styrene	24.4	0.50	ug/l	25.0		98	70-130			
1,1,1,2-Tetrachloroethane	23.3	0.50	ug/l	25.0		93	70-130			
1,1,2,2-Tetrachloroethane	26.7	0.50	ug/l	25.0		107	70-130			
Tetrachloroethene	23.5	0.50	ug/l	25.0		94	70-130			
Toluene	23.5	0.50	ug/l	25.0		94	70-130			
1,2,3-Trichlorobenzene	25.2	1.0	ug/l	25.0		101	70-130			
1,2,4-Trichlorobenzene	25.1	1.0	ug/l	25.0		101	70-130			
1,1,1-Trichloroethane	23.1	0.50	ug/l	25.0		93	70-130			
1,1,2-Trichloroethane	27.0	0.50	ug/l	25.0		108	70-130			
Trichloroethene	24.5	0.50	ug/l	25.0		98	70-130			
Trichlorofluoromethane	28.5	0.50	ug/l	25.0		114	78-149			
1,2,3-Trichloropropane	26.6	1.0	ug/l	25.0		107	70-130			
1,2,4-Trimethylbenzene	23.5	0.50	ug/l	25.0		94	70-130			
1,3,5-Trimethylbenzene	23.0	0.50	ug/l	25.0		92	70-130			
Vinyl Acetate	36.5	1.0	ug/l	25.0		146	57-149			
Vinyl chloride	25.3	0.50	ug/l	25.0		101	66-134			
Xylenes, Total	48.8	1.0	ug/l	50.0		98	70-130			
Freon 113	23.4	2.0	ug/l	25.0		94	63-136			
Surrogate: Dibromofluoromethane	*22.3*		*ug/l*	*25.0*		*89*	*70-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*27.1*		*ug/l*	*25.0*		*108*	*70-130*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0599 Extracted: 03/16/11										
LCS Dup Analyzed: 03/16/2011 (11C0599-BSD1)										
Acetone	25.5	10	ug/l	25.0		102	30-150	36	35	*V1, R6*
Benzene	24.6	0.50	ug/l	25.0		98	70-130	0.2	20	
Bromobenzene	22.7	0.50	ug/l	25.0		91	70-130	0	20	
Bromochloromethane	20.6	0.50	ug/l	25.0		82	70-130	10	20	
Bromodichloromethane	24.7	0.50	ug/l	25.0		99	70-130	4	20	
Bromoform	22.7	1.0	ug/l	25.0		91	67-122	12	20	
Bromomethane	23.2	1.0	ug/l	25.0		93	64-132	4	20	
2-Butanone (MEK)	24.2	2.5	ug/l	25.0		97	48-150	23	33	
n-Butylbenzene	24.8	0.50	ug/l	25.0		99	70-130	7	20	
sec-Butylbenzene	23.8	0.50	ug/l	25.0		95	70-130	4	20	
tert-Butylbenzene	23.5	0.50	ug/l	25.0		94	70-130	7	20	
Carbon disulfide	23.0	0.50	ug/l	25.0		92	61-126	3	20	
Carbon tetrachloride	26.9	0.50	ug/l	25.0		107	70-130	0	20	
Chlorobenzene	23.2	0.50	ug/l	25.0		93	70-130	0.1	20	
Chloroethane	23.2	1.0	ug/l	25.0		93	69-128	1	20	
Chloroform	21.7	0.50	ug/l	25.0		87	70-130	4	20	
Chloromethane	23.1	1.0	ug/l	25.0		92	56-131	7	20	
2-Chlorotoluene	23.2	0.50	ug/l	25.0		93	70-130	5	20	
4-Chlorotoluene	24.1	0.50	ug/l	25.0		96	70-130	4	20	
Dibromochloromethane	23.8	0.50	ug/l	25.0		95	70-130	12	20	
1,2-Dibromo-3-chloropropane	22.6	2.5	ug/l	25.0		90	63-129	14	25	
1,2-Dibromoethane (EDB)	22.3	0.50	ug/l	25.0		89	70-130	15	20	
Dibromomethane	24.6	0.50	ug/l	25.0		98	70-130	12	20	
1,2-Dichlorobenzene	22.9	0.50	ug/l	25.0		92	70-130	0.3	20	
1,3-Dichlorobenzene	22.6	0.50	ug/l	25.0		91	70-130	3	20	
1,4-Dichlorobenzene	22.6	0.50	ug/l	25.0		90	70-130	0.8	20	
Dichlorodifluoromethane	25.8	0.50	ug/l	25.0		103	42-150	3	20	
1,1-Dichloroethane	22.3	0.50	ug/l	25.0		89	70-130	0.5	20	
1,2-Dichloroethane	21.9	0.50	ug/l	25.0		87	72-133	15	20	
1,1-Dichloroethene	22.7	0.50	ug/l	25.0		91	70-130	5	20	
cis-1,2-Dichloroethene	20.4	0.50	ug/l	25.0		81	70-130	3	20	
trans-1,2-Dichloroethene	21.3	0.50	ug/l	25.0		85	70-130	4	20	
1,2-Dichloropropane	24.4	0.50	ug/l	25.0		98	70-130	0.3	20	
1,3-Dichloropropane	23.0	0.50	ug/l	25.0		92	70-130	10	20	
2,2-Dichloropropane	21.8	1.0	ug/l	25.0		87	70-130	3	20	

TestAmerica Phoenix

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0599 Extracted: 03/16/11										
LCS Dup Analyzed: 03/16/2011 (11C0599-BSD1)										
1,1-Dichloropropene	25.8	0.50	ug/l	25.0		103	70-130	1	20	
cis-1,3-Dichloropropene	24.5	0.50	ug/l	25.0		98	70-130	6	20	
trans-1,3-Dichloropropene	25.5	0.50	ug/l	25.0		102	70-130	8	20	
Ethylbenzene	24.6	0.50	ug/l	25.0		98	70-130	3	20	
Hexachlorobutadiene	25.2	1.0	ug/l	25.0		101	70-130	6	20	
2-Hexanone	26.3	2.5	ug/l	25.0		105	44-150	22	31	
Iodomethane	27.4	2.5	ug/l	25.0		110	58-138	7	25	
Isopropylbenzene	26.2	0.50	ug/l	25.0		105	70-130	5	20	
p-Isopropyltoluene	23.6	0.50	ug/l	25.0		94	70-130	4	20	
Methylene Chloride	20.8	1.0	ug/l	25.0		83	70-130	7	20	
4-Methyl-2-pentanone (MIBK)	26.2	2.5	ug/l	25.0		105	61-142	21	22	
Methyl-tert-butyl Ether (MTBE)	20.8	0.50	ug/l	25.0		83	70-130	17	20	
Naphthalene	24.7	2.5	ug/l	25.0		99	65-129	7	20	
n-Propylbenzene	24.5	0.50	ug/l	25.0		98	70-130	5	20	
Styrene	24.0	0.50	ug/l	25.0		96	70-130	2	20	
1,1,1,2-Tetrachloroethane	22.8	0.50	ug/l	25.0		91	70-130	2	20	
1,1,2,2-Tetrachloroethane	23.1	0.50	ug/l	25.0		93	70-130	14	20	
Tetrachloroethene	24.3	0.50	ug/l	25.0		97	70-130	3	20	
Toluene	24.3	0.50	ug/l	25.0		97	70-130	4	20	
1,2,3-Trichlorobenzene	24.3	1.0	ug/l	25.0		97	70-130	4	20	
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0		99	70-130	1	20	
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0		91	70-130	2	20	
1,1,2-Trichloroethane	23.5	0.50	ug/l	25.0		94	70-130	14	20	
Trichloroethene	24.6	0.50	ug/l	25.0		98	70-130	0.6	20	
Trichlorofluoromethane	27.7	0.50	ug/l	25.0		111	78-149	3	20	
1,2,3-Trichloropropane	22.4	1.0	ug/l	25.0		90	70-130	17	20	
1,2,4-Trimethylbenzene	23.6	0.50	ug/l	25.0		94	70-130	0.2	20	
1,3,5-Trimethylbenzene	24.1	0.50	ug/l	25.0		96	70-130	4	20	
Vinyl Acetate	30.5	1.0	ug/l	25.0		122	57-149	18	21	
Vinyl chloride	24.6	0.50	ug/l	25.0		98	66-134	3	20	
Xylenes, Total	48.8	1.0	ug/l	50.0		98	70-130	0.02	20	
Freon 113	22.9	2.0	ug/l	25.0		92	63-136	2	20	
Surrogate: Dibromofluoromethane	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.2*		*ug/l*	*25.0*		*105*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0599 Extracted: 03/16/11										
Matrix Spike Analyzed: 03/16/2011 (11C0599-MS1)					**Source: PUC0636-02**					
Acetone	33.9	10	ug/l	25.0	ND	135	10-150			*V1*
Benzene	237	0.50	ug/l	25.0	229	33	70-130			*N1, M3*
Bromobenzene	23.4	0.50	ug/l	25.0	ND	94	70-130			
Bromochloromethane	18.7	0.50	ug/l	25.0	ND	75	70-130			
Bromodichloromethane	23.8	0.50	ug/l	25.0	ND	95	70-130			
Bromoform	21.8	1.0	ug/l	25.0	ND	87	62-126			
Bromomethane	21.0	1.0	ug/l	25.0	ND	84	55-136			
2-Butanone (MEK)	22.0	2.5	ug/l	25.0	ND	88	22-150			
n-Butylbenzene	25.6	0.50	ug/l	25.0	ND	102	70-130			
sec-Butylbenzene	24.5	0.50	ug/l	25.0	ND	98	70-130			
tert-Butylbenzene	24.2	0.50	ug/l	25.0	ND	97	70-130			
Carbon disulfide	24.0	0.50	ug/l	25.0	0.200	95	56-132			
Carbon tetrachloride	27.4	0.50	ug/l	25.0	ND	110	76-131			
Chlorobenzene	23.6	0.50	ug/l	25.0	ND	94	70-130			
Chloroethane	22.2	1.0	ug/l	25.0	ND	89	67-134			
Chloroform	21.9	0.50	ug/l	25.0	0.140	87	70-130			
Chloromethane	24.7	1.0	ug/l	25.0	ND	99	50-135			
2-Chlorotoluene	24.5	0.50	ug/l	25.0	ND	98	70-130			
4-Chlorotoluene	24.8	0.50	ug/l	25.0	ND	99	70-130			
Dibromochloromethane	23.5	0.50	ug/l	25.0	ND	94	70-130			
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0	ND	92	60-135			
1,2-Dibromoethane (EDB)	22.7	0.50	ug/l	25.0	ND	91	70-130			
Dibromomethane	24.0	0.50	ug/l	25.0	ND	96	70-130			
1,2-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichlorobenzene	22.6	0.50	ug/l	25.0	ND	91	70-130			
1,4-Dichlorobenzene	23.1	0.50	ug/l	25.0	ND	92	70-130			
Dichlorodifluoromethane	27.5	0.50	ug/l	25.0	ND	110	36-150			
1,1-Dichloroethane	22.4	0.50	ug/l	25.0	ND	89	70-130			
1,2-Dichloroethane	21.8	0.50	ug/l	25.0	ND	87	68-143			
1,1-Dichloroethene	24.3	0.50	ug/l	25.0	ND	97	70-130			
cis-1,2-Dichloroethene	20.8	0.50	ug/l	25.0	ND	83	70-130			
trans-1,2-Dichloroethene	22.5	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	23.7	0.50	ug/l	25.0	ND	95	70-130			
1,3-Dichloropropane	21.8	0.50	ug/l	25.0	ND	87	70-130			
2,2-Dichloropropane	21.7	1.0	ug/l	25.0	ND	87	66-130			

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Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0599 Extracted: 03/16/11										
Matrix Spike Analyzed: 03/16/2011 (11C0599-MS1)					**Source: PUC0636-02**					
1,1-Dichloropropene	26.8	0.50	ug/l	25.0	ND	107	70-130			
cis-1,3-Dichloropropene	23.7	0.50	ug/l	25.0	ND	95	70-130			
trans-1,3-Dichloropropene	24.8	0.50	ug/l	25.0	ND	99	71-132			
Ethylbenzene	30.4	0.50	ug/l	25.0	5.73	99	70-130			
Hexachlorobutadiene	25.0	1.0	ug/l	25.0	ND	100	66-129			
2-Hexanone	23.3	2.5	ug/l	25.0	ND	93	18-150			
Iodomethane	20.8	2.5	ug/l	25.0	ND	83	47-141			
Isopropylbenzene	28.1	0.50	ug/l	25.0	0.750	109	78-137			
p-Isopropyltoluene	24.6	0.50	ug/l	25.0	ND	98	70-130			
Methylene Chloride	19.8	1.0	ug/l	25.0	0.140	79	74-132			
4-Methyl-2-pentanone (MIBK)	26.3	2.5	ug/l	25.0	0.740	102	56-145			
Methyl-tert-butyl Ether (MTBE)	22.5	0.50	ug/l	25.0	1.50	84	67-138			
Naphthalene	25.8	2.5	ug/l	25.0	1.54	97	54-135			
n-Propylbenzene	26.1	0.50	ug/l	25.0	0.690	102	70-130			
Styrene	23.4	0.50	ug/l	25.0	ND	94	51-123			
1,1,1,2-Tetrachloroethane	22.5	0.50	ug/l	25.0	ND	90	70-130			
1,1,2,2-Tetrachloroethane	21.8	0.50	ug/l	25.0	ND	87	69-133			
Tetrachloroethene	25.0	0.50	ug/l	25.0	ND	100	70-130			
Toluene	118	0.50	ug/l	25.0	100	69	70-130			*M3*
1,2,3-Trichlorobenzene	24.0	1.0	ug/l	25.0	ND	96	70-130			
1,2,4-Trichlorobenzene	25.2	1.0	ug/l	25.0	ND	101	66-126			
1,1,1-Trichloroethane	23.3	0.50	ug/l	25.0	ND	93	76-132			
1,1,2-Trichloroethane	23.4	0.50	ug/l	25.0	ND	94	70-130			
Trichloroethene	25.4	0.50	ug/l	25.0	ND	102	70-130			
Trichlorofluoromethane	28.5	0.50	ug/l	25.0	ND	114	74-150			
1,2,3-Trichloropropane	23.4	1.0	ug/l	25.0	ND	94	70-130			
1,2,4-Trimethylbenzene	42.5	0.50	ug/l	25.0	16.5	104	70-130			
1,3,5-Trimethylbenzene	29.1	0.50	ug/l	25.0	4.44	99	61-138			
Vinyl Acetate	32.0	1.0	ug/l	25.0	ND	128	50-150			
Vinyl chloride	33.1	0.50	ug/l	25.0	ND	132	58-139			
Xylenes, Total	164	1.0	ug/l	50.0	123	82	70-130			
Freon 113	24.4	2.0	ug/l	25.0	ND	97	56-148			
Surrogate: Dibromofluoromethane	*20.6*		*ug/l*	*25.0*		*82*	*70-130*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.9*		*ug/l*	*25.0*		*104*	*70-130*			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0599 Extracted: 03/16/11										
Matrix Spike Dup Analyzed: 03/16/2011 (11C0599-MSD1)					**Source: PUC0636-02**					
Acetone	32.8	10	ug/l	25.0	ND	131	10-150	3	35	*V1*
Benzene	235	0.50	ug/l	25.0	229	27	70-130	0.7	20	*N1, M3*
Bromobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	4	20	
Bromochloromethane	19.4	0.50	ug/l	25.0	ND	77	70-130	3	20	
Bromodichloromethane	22.6	0.50	ug/l	25.0	ND	91	70-130	5	20	
Bromoform	21.3	1.0	ug/l	25.0	ND	85	62-126	2	20	
Bromomethane	25.1	1.0	ug/l	25.0	ND	100	55-136	18	24	
2-Butanone (MEK)	21.6	2.5	ug/l	25.0	ND	86	22-150	2	31	
n-Butylbenzene	24.9	0.50	ug/l	25.0	ND	99	70-130	3	20	
sec-Butylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130	5	20	
tert-Butylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130	4	20	
Carbon disulfide	23.7	0.50	ug/l	25.0	0.200	94	56-132	1	20	
Carbon tetrachloride	25.8	0.50	ug/l	25.0	ND	103	76-131	6	20	
Chlorobenzene	22.2	0.50	ug/l	25.0	ND	89	70-130	6	20	
Chloroethane	22.6	1.0	ug/l	25.0	ND	90	67-134	1	20	
Chloroform	20.8	0.50	ug/l	25.0	0.140	83	70-130	5	20	
Chloromethane	25.6	1.0	ug/l	25.0	ND	102	50-135	4	20	
2-Chlorotoluene	23.4	0.50	ug/l	25.0	ND	94	70-130	5	20	
4-Chlorotoluene	23.4	0.50	ug/l	25.0	ND	94	70-130	6	20	
Dibromochloromethane	21.8	0.50	ug/l	25.0	ND	87	70-130	8	20	
1,2-Dibromo-3-chloropropane	22.0	2.5	ug/l	25.0	ND	88	60-135	4	29	
1,2-Dibromoethane (EDB)	21.1	0.50	ug/l	25.0	ND	84	70-130	7	20	
Dibromomethane	22.4	0.50	ug/l	25.0	ND	90	70-130	7	20	
1,2-Dichlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130	3	20	
1,3-Dichlorobenzene	21.8	0.50	ug/l	25.0	ND	87	70-130	4	20	
1,4-Dichlorobenzene	21.8	0.50	ug/l	25.0	ND	87	70-130	6	20	
Dichlorodifluoromethane	26.1	0.50	ug/l	25.0	ND	104	36-150	5	22	
1,1-Dichloroethane	21.4	0.50	ug/l	25.0	ND	86	70-130	5	20	
1,2-Dichloroethane	20.7	0.50	ug/l	25.0	ND	83	68-143	5	20	
1,1-Dichloroethene	23.0	0.50	ug/l	25.0	ND	92	70-130	6	20	
cis-1,2-Dichloroethene	20.7	0.50	ug/l	25.0	ND	83	70-130	0.6	20	
trans-1,2-Dichloroethene	22.0	0.50	ug/l	25.0	ND	88	70-130	3	20	
1,2-Dichloropropane	22.8	0.50	ug/l	25.0	ND	91	70-130	4	20	
1,3-Dichloropropane	20.8	0.50	ug/l	25.0	ND	83	70-130	4	20	
2,2-Dichloropropane	22.6	1.0	ug/l	25.0	ND	90	66-130	4	20	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0599 Extracted: 03/16/11										
Matrix Spike Dup Analyzed: 03/16/2011 (11C0599-MSD1)					**Source: PUC0636-02**					
1,1-Dichloropropene	25.2	0.50	ug/l	25.0	ND	101	70-130	6	20	
cis-1,3-Dichloropropene	22.9	0.50	ug/l	25.0	ND	92	70-130	3	20	
trans-1,3-Dichloropropene	24.0	0.50	ug/l	25.0	ND	96	71-132	4	20	
Ethylbenzene	28.3	0.50	ug/l	25.0	5.73	90	70-130	7	20	
Hexachlorobutadiene	25.0	1.0	ug/l	25.0	ND	100	66-129	0.2	21	
2-Hexanone	20.3	2.5	ug/l	25.0	ND	81	18-150	14	25	
Iodomethane	27.4	2.5	ug/l	25.0	ND	110	47-141	28	29	
Isopropylbenzene	27.0	0.50	ug/l	25.0	0.750	105	78-137	4	20	
p-Isopropyltoluene	23.2	0.50	ug/l	25.0	ND	93	70-130	6	20	
Methylene Chloride	20.1	1.0	ug/l	25.0	0.140	80	74-132	1	20	
4-Methyl-2-pentanone (MIBK)	23.9	2.5	ug/l	25.0	0.740	93	56-145	9	26	
Methyl-tert-butyl Ether (MTBE)	21.2	0.50	ug/l	25.0	1.50	79	67-138	6	21	
Naphthalene	27.2	2.5	ug/l	25.0	1.54	103	54-135	5	33	
n-Propylbenzene	25.6	0.50	ug/l	25.0	0.690	99	70-130	2	20	
Styrene	22.6	0.50	ug/l	25.0	ND	90	51-123	4	21	
1,1,1,2-Tetrachloroethane	21.2	0.50	ug/l	25.0	ND	85	70-130	6	20	
1,1,2,2-Tetrachloroethane	21.2	0.50	ug/l	25.0	ND	85	69-133	3	20	
Tetrachloroethene	23.0	0.50	ug/l	25.0	ND	92	70-130	8	20	
Toluene	113	0.50	ug/l	25.0	100	52	70-130	4	20	*M3*
1,2,3-Trichlorobenzene	24.5	1.0	ug/l	25.0	ND	98	70-130	2	20	
1,2,4-Trichlorobenzene	24.7	1.0	ug/l	25.0	ND	99	66-126	2	20	
1,1,1-Trichloroethane	22.4	0.50	ug/l	25.0	ND	90	76-132	4	20	
1,1,2-Trichloroethane	21.5	0.50	ug/l	25.0	ND	86	70-130	8	20	
Trichloroethene	23.8	0.50	ug/l	25.0	ND	95	70-130	7	20	
Trichlorofluoromethane	27.6	0.50	ug/l	25.0	ND	110	74-150	3	20	
1,2,3-Trichloropropane	22.2	1.0	ug/l	25.0	ND	89	70-130	5	20	
1,2,4-Trimethylbenzene	40.4	0.50	ug/l	25.0	16.5	95	70-130	5	20	
1,3,5-Trimethylbenzene	28.3	0.50	ug/l	25.0	4.44	95	61-138	3	33	
Vinyl Acetate	33.8	1.0	ug/l	25.0	ND	135	50-150	6	23	
Vinyl chloride	25.5	0.50	ug/l	25.0	ND	102	58-139	26	21	*N1a*
Xylenes, Total	156	1.0	ug/l	50.0	123	66	70-130	5	20	*M2*
Freon 113	23.0	2.0	ug/l	25.0	ND	92	56-148	6	22	
Surrogate: Dibromofluoromethane	*20.8*		*ug/l*	*25.0*		*83*	*70-130*			
Surrogate: Toluene-d8	*24.2*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.1*		*ug/l*	*25.0*		*101*	*70-130*			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0526 Extracted: 03/14/11										
Blank Analyzed: 03/16/2011 (11C0526-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.5*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*15.7*		*ug/l*	*20.0*		*79*	*30-130*			
LCS Analyzed: 03/16/2011 (11C0526-BS1)										**Q8**
1,4-Dioxane	20.9	1.0	ug/l	20.0		104	85-115			
Surrogate: 1,4-Dioxane-d8	*12.9*		*ug/l*	*20.0*		*64*	*30-105*			
Surrogate: Nitrobenzene-d5	*14.9*		*ug/l*	*20.0*		*74*	*35-140*			
LCS Dup Analyzed: 03/16/2011 (11C0526-BSD1)										**Q8**
1,4-Dioxane	20.8	1.0	ug/l	20.0		104	85-115	0.3	20	
Surrogate: 1,4-Dioxane-d8	*14.2*		*ug/l*	*20.0*		*71*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.6*		*ug/l*	*20.0*		*83*	*35-140*			
Batch: 11C0675 Extracted: 03/17/11										
Blank Analyzed: 03/18/2011 (11C0675-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.8*		*ug/l*	*20.0*		*74*	*20-105*			
Surrogate: Nitrobenzene-d5	*16.2*		*ug/l*	*20.0*		*81*	*30-130*			
LCS Analyzed: 03/18/2011 (11C0675-BS1)										**Q8**
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115			
Surrogate: 1,4-Dioxane-d8	*17.5*		*ug/l*	*20.0*		*88*	*30-105*			
Surrogate: Nitrobenzene-d5	*19.6*		*ug/l*	*20.0*		*98*	*35-140*			
LCS Dup Analyzed: 03/18/2011 (11C0675-BSD1)										**Q8**
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115	0	20	
Surrogate: 1,4-Dioxane-d8	*14.1*		*ug/l*	*20.0*		*71*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.9*		*ug/l*	*20.0*		*85*	*35-140*			

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

DATA QUALIFIERS AND DEFINITIONS

M2	Matrix spike recovery was low; the associated blank spike recovery was acceptable.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable.
N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0731

Sampled: 03/10/11
Received: 03/10/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

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[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

Client Name/Address: ERM
7272 E. Indian School Rd, Suite 100
Scottsdale, Az, 85251

Project/PO Number: 0096498.009

Project Manager: Jason Hilker
Send report to: Jason.Hilker@ERM.com

Phone Number: 480-998-2401

Sampler: Adam Nagle

Fax Number: 480-998-2106

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane only (8270C)								Special Instructions
OU3-7S-S-031011	W	40mL / 1L	3 / 2	3/10/11	0925	HCl / -	X	X			PUC0731	-01				
OU3-7M2-M-031011	↓	↓	↓	↓	1054	↓	↓	↓				-02				
OU3-1D-D-031011					1535							-03				
GW-EB3-031011		↓	↓	↓	1611	↓	↓	↓				-04				
GW-L1-4-031011	↓	40mL	1	↓	-	HCl	↓					-05				Trip Blank

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)
[signature] /ERM	3/10 1724			same day ____ 72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____ 5 days ____
				48 hours ____ normal ✓
Relinquished By:	Date/Time:	Received in Lab By: [signature]	Date/Time: 3/10/11 1724	Sample Integrity: (Check) intact ✓ on ice ✓

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

1.2°C

Level III Data Package

Environmental Resources Management Inc.

TestAmerica Work Order Number:

PUC0526

Prepared for:

Jason Hilker
Environmental Resources Management, Inc.
7272 East Indian School Road, Suite 100
Scottsdale, AZ 85251

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

QA/QC DATA PACKAGE: LEVEL III

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.009

Sampled: 03/08/11
Received: 03/08/11
Issued: 03/18/11 08:30

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC0526-01	DT-DW-5-S-030811	Water
PUC0526-02	Trip Blank	Water

SAMPLE RECEIPT: Samples were received intact, at 2°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

QA/QC DATA PACKAGE: LEVEL III

CHAIN OF CUSTODY FORMS

PUC 0526

5 of 331

Environmental Resources Management

CHAIN OF CUSTODY RECORD

NO: 2490

7272 E. Indian School Road, Suite 100 • Scottsdale, AZ • 85251 • (480) 998-2401 • FAX (480) 998-2106

Page 1 of 1

PROJECT #	PROJECT NAME
0096498.009	OU3

SAMPLER: (PRINT NAME)	(SIGNATURE)
Adam Nagle	

RECEIVING LABORATORY: Test America

SAMPLE I.D.	DATE	TIME	COMP	GRAB	SAMPLING METHOD	PRESERVATIVE	ICE (Y/N)	SAMPLING VOLUME	# OF CONTAINERS	MATRIX: SOIL	MATRIX: WATER	MATRIX: GAS	VOC 8260B	1,4-Dioxane (only) 8270								
*DT-DW-5-S-030811	3/8	1620		X	bail	HCL	Y	3x40mL 2x1L	5		X		X	X								-01

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
ERM	3/8	1713			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
				3/8/11	1713

FIELD REMARKS: * Run Level III (as seperate report)

2.4°C / 2.1°C

REMARKS ON SAMPLE RECEIPT: ☒ BOTTLE INTACT ☐ CUSTODY SEALS ☒ CHILLED ☐ PRESERVED ☐ SEALS INTACT ☐ SEE REMARKS

ERM REMARKS:

SEND REPORT TO: jason.hilker@erm.com

WHITE – LABORATORY COPY CANARY – FIELD COPY PINK – DATABASE GOLD – PROJECT FILE

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

QA/QC DATA PACKAGE: LEVEL III

ANALYTICAL REPORTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0526-01 (DT-DW-5-S-030811 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0531	10	ND	1	3/14/2011	3/15/2011	L3
Benzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Bromoform	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Chloroform	EPA 8260B	11C0531	0.50	**0.65**	1	3/14/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0526-01 (DT-DW-5-S-030811 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Isopropylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Styrene	EPA 8260B	11C0531	0.50	ND	I	3/14/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Toluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0531	0.50	**0.54**	1	3/14/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Vinyl chloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/15/2011	
Freon 113	EPA 8260B	11C0531	2.0	ND	1	3/14/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*92 %*				
Surrogate: Toluene-d8 (70-130%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*107 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0526-02 (Trip Blank - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0531	10	ND	1	3/14/2011	3/14/2011	L3
Benzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromodichloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Bromoform	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Bromomethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
2-Butanone (MEK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
n-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
sec-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
tert-Butylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Carbon disulfide	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Carbon tetrachloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Chlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Chloroethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Chloroform	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Chloromethane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
2-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
4-Chlorotoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Dibromochloromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Dibromomethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Dichlorodifluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,3-Dichloropropane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
2,2-Dichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,1-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Ethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Hexachlorobutadiene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0526-02 (Trip Blank - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
Iodomethane	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
Isopropylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
p-Isopropyltoluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Methylene Chloride	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Naphthalene	EPA 8260B	11C0531	2.5	ND	1	3/14/2011	3/14/2011	
n-Propylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Styrene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Tetrachloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Toluene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Trichloroethene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Trichlorofluoromethane	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Vinyl Acetate	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Vinyl chloride	EPA 8260B	11C0531	0.50	ND	1	3/14/2011	3/14/2011	
Xylenes, Total	EPA 8260B	11C0531	1.0	ND	1	3/14/2011	3/14/2011	
Freon 113	EPA 8260B	11C0531	2.0	ND	1	3/14/2011	3/14/2011	
Surrogate: Dibromofluoromethane (70-130%)				*97 %*				
Surrogate: Toluene-d8 (70-130%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*105 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009

Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0526-01 (DT-DW-5-S-030811 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0359	1.0	**1.1**	1	3/9/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*57 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*72 %*				

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QA/QC DATA PACKAGE: LEVEL III

QUALITY CONTROL SUMMARIES

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Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Blank Analyzed: 03/14/2011 (11C0531-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

TestAmerica Phoenix

Kylie Emily
Project Manager

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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Blank Analyzed: 03/14/2011 (11C0531-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*23.7*		*ug/l*	*25.0*		*95*	*70-130*			
Surrogate: Toluene-d8	*24.3*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.4*		*ug/l*	*25.0*		*101*	*70-130*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
LCS Analyzed: 03/14/2011 (11C0531-BS1)										
Acetone	35.3	10	ug/l	25.0		141	30-150			
Benzene	23.2	0.50	ug/l	25.0		93	70-130			
Bromobenzene	24.8	0.50	ug/l	25.0		99	70-130			
Bromochloromethane	23.7	0.50	ug/l	25.0		95	70-130			
Bromodichloromethane	22.2	0.50	ug/l	25.0		89	70-130			
Bromoform	24.2	1.0	ug/l	25.0		97	67-122			
Bromomethane	21.5	1.0	ug/l	25.0		86	64-132			
2-Butanone (MEK)	29.8	2.5	ug/l	25.0		119	48-150			
n-Butylbenzene	26.0	0.50	ug/l	25.0		104	70-130			
sec-Butylbenzene	26.0	0.50	ug/l	25.0		104	70-130			
tert-Butylbenzene	25.7	0.50	ug/l	25.0		103	70-130			
Carbon disulfide	24.3	0.50	ug/l	25.0		97	61-126			
Carbon tetrachloride	23.6	0.50	ug/l	25.0		95	70-130			
Chlorobenzene	23.2	0.50	ug/l	25.0		93	70-130			
Chloroethane	24.8	1.0	ug/l	25.0		99	69-128			
Chloroform	23.3	0.50	ug/l	25.0		93	70-130			
Chloromethane	22.0	1.0	ug/l	25.0		88	56-131			
2-Chlorotoluene	24.9	0.50	ug/l	25.0		100	70-130			
4-Chlorotoluene	25.3	0.50	ug/l	25.0		101	70-130			
Dibromochloromethane	23.2	0.50	ug/l	25.0		93	70-130			
1,2-Dibromo-3-chloropropane	22.9	2.5	ug/l	25.0		91	63-129			
1,2-Dibromoethane (EDB)	23.2	0.50	ug/l	25.0		93	70-130			
Dibromomethane	23.2	0.50	ug/l	25.0		93	70-130			
1,2-Dichlorobenzene	24.9	0.50	ug/l	25.0		100	70-130			
1,3-Dichlorobenzene	24.3	0.50	ug/l	25.0		97	70-130			
1,4-Dichlorobenzene	24.9	0.50	ug/l	25.0		100	70-130			
Dichlorodifluoromethane	22.2	0.50	ug/l	25.0		89	42-150			
1,1-Dichloroethane	24.5	0.50	ug/l	25.0		98	70-130			
1,2-Dichloroethane	23.6	0.50	ug/l	25.0		94	72-133			
1,1-Dichloroethene	25.3	0.50	ug/l	25.0		101	70-130			
cis-1,2-Dichloroethene	22.9	0.50	ug/l	25.0		92	70-130			
trans-1,2-Dichloroethene	24.1	0.50	ug/l	25.0		97	70-130			
1,2-Dichloropropane	22.4	0.50	ug/l	25.0		90	70-130			
1,3-Dichloropropane	22.7	0.50	ug/l	25.0		91	70-130			
2,2-Dichloropropane	23.7	1.0	ug/l	25.0		95	70-130			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
LCS Analyzed: 03/14/2011 (11C0531-BS1)										
1,1-Dichloropropene	24.1	0.50	ug/l	25.0		97	70-130			
cis-1,3-Dichloropropene	23.1	0.50	ug/l	25.0		92	70-130			
trans-1,3-Dichloropropene	24.5	0.50	ug/l	25.0		98	70-130			
Ethylbenzene	23.0	0.50	ug/l	25.0		92	70-130			
Hexachlorobutadiene	27.8	1.0	ug/l	25.0		111	70-130			
2-Hexanone	32.4	2.5	ug/l	25.0		129	44-150			
Iodomethane	30.2	2.5	ug/l	25.0		121	58-138			
Isopropylbenzene	28.0	0.50	ug/l	25.0		112	70-130			
p-Isopropyltoluene	25.7	0.50	ug/l	25.0		103	70-130			
Methylene Chloride	23.3	1.0	ug/l	25.0		93	70-130			
4-Methyl-2-pentanone (MIBK)	25.6	2.5	ug/l	25.0		102	61-142			
Methyl-tert-butyl Ether (MTBE)	23.7	0.50	ug/l	25.0		95	70-130			
Naphthalene	27.7	2.5	ug/l	25.0		111	65-129			
n-Propylbenzene	26.7	0.50	ug/l	25.0		107	70-130			
Styrene	24.3	0.50	ug/l	25.0		97	70-130			
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0		88	70-130			
1,1,2,2-Tetrachloroethane	25.5	0.50	ug/l	25.0		102	70-130			
Tetrachloroethene	23.8	0.50	ug/l	25.0		95	70-130			
Toluene	22.9	0.50	ug/l	25.0		91	70-130			
1,2,3-Trichlorobenzene	27.0	1.0	ug/l	25.0		108	70-130			
1,2,4-Trichlorobenzene	27.3	1.0	ug/l	25.0		109	70-130			
1,1,1-Trichloroethane	23.4	0.50	ug/l	25.0		94	70-130			
1,1,2-Trichloroethane	22.8	0.50	ug/l	25.0		91	70-130			
Trichloroethene	22.3	0.50	ug/l	25.0		89	70-130			
Trichlorofluoromethane	27.9	0.50	ug/l	25.0		112	78-149			
1,2,3-Trichloropropane	26.0	1.0	ug/l	25.0		104	70-130			
1,2,4-Trimethylbenzene	26.2	0.50	ug/l	25.0		105	70-130			
1,3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0		101	70-130			
Vinyl Acetate	36.8	1.0	ug/l	25.0		147	57-149			
Vinyl chloride	25.1	0.50	ug/l	25.0		101	66-134			
Xylenes, Total	47.9	1.0	ug/l	50.0		96	70-130			
Freon 113	25.1	2.0	ug/l	25.0		100	63-136			
Surrogate: Dibromofluoromethane	*24.7*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*23.9*		*ug/l*	*25.0*		*96*	*70-130*			

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Attention: Jason Hilker

Project ID: OU3 0096498.009

Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
LCS Dup Analyzed: 03/14/2011 (11C0531-BSD1)										
Acetone	38.8	10	ug/l	25.0		155	30-150	9	35	*L3*
Benzene	23.0	0.50	ug/l	25.0		92	70-130	1	20	
Bromobenzene	25.0	0.50	ug/l	25.0		100	70-130	0.6	20	
Bromochloromethane	23.7	0.50	ug/l	25.0		95	70-130	0.04	20	
Bromodichloromethane	23.0	0.50	ug/l	25.0		92	70-130	4	20	
Bromoform	25.2	1.0	ug/l	25.0		101	67-122	4	20	
Bromomethane	22.0	1.0	ug/l	25.0		88	64-132	2	20	
2-Butanone (MEK)	31.1	2.5	ug/l	25.0		124	48-150	4	33	
n-Butylbenzene	25.2	0.50	ug/l	25.0		101	70-130	3	20	
sec-Butylbenzene	25.1	0.50	ug/l	25.0		101	70-130	4	20	
tert-Butylbenzene	24.3	0.50	ug/l	25.0		97	70-130	6	20	
Carbon disulfide	23.4	0.50	ug/l	25.0		94	61-126	4	20	
Carbon tetrachloride	23.8	0.50	ug/l	25.0		95	70-130	0.6	20	
Chlorobenzene	22.9	0.50	ug/l	25.0		92	70-130	1	20	
Chloroethane	24.0	1.0	ug/l	25.0		96	69-128	3	20	
Chloroform	22.9	0.50	ug/l	25.0		92	70-130	2	20	
Chloromethane	21.6	1.0	ug/l	25.0		86	56-131	2	20	
2-Chlorotoluene	23.9	0.50	ug/l	25.0		96	70-130	4	20	
4-Chlorotoluene	24.2	0.50	ug/l	25.0		97	70-130	4	20	
Dibromochloromethane	24.1	0.50	ug/l	25.0		97	70-130	4	20	
1,2-Dibromo-3-chloropropane	24.4	2.5	ug/l	25.0		98	63-129	7	25	
1,2-Dibromoethane (EDB)	24.2	0.50	ug/l	25.0		97	70-130	4	20	
Dibromomethane	25.0	0.50	ug/l	25.0		100	70-130	7	20	
1,2-Dichlorobenzene	24.4	0.50	ug/l	25.0		98	70-130	2	20	
1,3-Dichlorobenzene	24.2	0.50	ug/l	25.0		97	70-130	0.4	20	
1,4-Dichlorobenzene	24.3	0.50	ug/l	25.0		97	70-130	3	20	
Dichlorodifluoromethane	20.9	0.50	ug/l	25.0		84	42-150	6	20	
1,1-Dichloroethane	23.0	0.50	ug/l	25.0		92	70-130	6	20	
1,2-Dichloroethane	23.9	0.50	ug/l	25.0		96	72-133	1	20	
1,1-Dichloroethene	24.6	0.50	ug/l	25.0		98	70-130	3	20	
cis-1,2-Dichloroethene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
trans-1,2-Dichloroethene	22.7	0.50	ug/l	25.0		91	70-130	6	20	
1,2-Dichloropropane	23.4	0.50	ug/l	25.0		94	70-130	4	20	
1,3-Dichloropropane	23.8	0.50	ug/l	25.0		95	70-130	5	20	
2,2-Dichloropropane	23.1	1.0	ug/l	25.0		92	70-130	3	20	

TestAmerica Phoenix

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Attention: Jason Hilker

Project ID: OU3 0096498.009

Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
LCS Dup Analyzed: 03/14/2011 (11C0531-BSD1)										
1,1-Dichloropropene	24.0	0.50	ug/l	25.0		96	70-130	0.5	20	
cis-1,3-Dichloropropene	23.5	0.50	ug/l	25.0		94	70-130	2	20	
trans-1,3-Dichloropropene	25.3	0.50	ug/l	25.0		101	70-130	3	20	
Ethylbenzene	23.4	0.50	ug/l	25.0		93	70-130	1	20	
Hexachlorobutadiene	26.2	1.0	ug/l	25.0		105	70-130	6	20	
2-Hexanone	34.2	2.5	ug/l	25.0		137	44-150	6	31	
Iodomethane	27.9	2.5	ug/l	25.0		112	58-138	8	25	
Isopropylbenzene	27.0	0.50	ug/l	25.0		108	70-130	4	20	
p-Isopropyltoluene	24.8	0.50	ug/l	25.0		99	70-130	3	20	
Methylene Chloride	22.4	1.0	ug/l	25.0		90	70-130	4	20	
4-Methyl-2-pentanone (MIBK)	27.2	2.5	ug/l	25.0		109	61-142	6	22	
Methyl-tert-butyl Ether (MTBE)	24.0	0.50	ug/l	25.0		96	70-130	1	20	
Naphthalene	29.4	2.5	ug/l	25.0		118	65-129	6	20	
n-Propylbenzene	25.3	0.50	ug/l	25.0		101	70-130	5	20	
Styrene	24.1	0.50	ug/l	25.0		97	70-130	0.9	20	
1,1,1,2-Tetrachloroethane	22.3	0.50	ug/l	25.0		89	70-130	2	20	
1,1,2,2-Tetrachloroethane	26.6	0.50	ug/l	25.0		107	70-130	5	20	
Tetrachloroethene	23.1	0.50	ug/l	25.0		92	70-130	3	20	
Toluene	22.6	0.50	ug/l	25.0		90	70-130	1	20	
1,2,3-Trichlorobenzene	27.1	1.0	ug/l	25.0		108	70-130	0.1	20	
1,2,4-Trichlorobenzene	27.0	1.0	ug/l	25.0		108	70-130	0.8	20	
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0		91	70-130	3	20	
1,1,2-Trichloroethane	24.1	0.50	ug/l	25.0		97	70-130	6	20	
Trichloroethene	22.3	0.50	ug/l	25.0		89	70-130	0.2	20	
Trichlorofluoromethane	27.2	0.50	ug/l	25.0		109	78-149	3	20	
1,2,3-Trichloropropane	25.8	1.0	ug/l	25.0		103	70-130	0.7	20	
1,2,4-Trimethylbenzene	24.5	0.50	ug/l	25.0		98	70-130	7	20	
1,3,5-Trimethylbenzene	24.6	0.50	ug/l	25.0		99	70-130	3	20	
Vinyl Acetate	36.1	1.0	ug/l	25.0		144	57-149	2	21	
Vinyl chloride	23.9	0.50	ug/l	25.0		96	66-134	5	20	
Xylenes, Total	47.4	1.0	ug/l	50.0		95	70-130	0.9	20	
Freon 113	23.7	2.0	ug/l	25.0		95	63-136	6	20	
Surrogate: Dibromofluoromethane	*24.4*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.9*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.1*		*ug/l*	*25.0*		*96*	*70-130*			

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Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Matrix Spike Analyzed: 03/14/2011 (11C0531-MS1)					**Source: PUC0598-01**					
Acetone	20.4	10	ug/l	25.0	ND	81	10-150			
Benzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
Bromobenzene	22.7	0.50	ug/l	25.0	ND	91	70-130			
Bromochloromethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
Bromodichloromethane	21.4	0.50	ug/l	25.0	0.110	85	70-130			
Bromoform	22.4	1.0	ug/l	25.0	ND	90	62-126			
Bromomethane	20.1	1.0	ug/l	25.0	ND	81	55-136			
2-Butanone (MEK)	21.7	2.5	ug/l	25.0	ND	87	22-150			
n-Butylbenzene	23.6	0.50	ug/l	25.0	ND	94	70-130			
sec-Butylbenzene	23.1	0.50	ug/l	25.0	ND	92	70-130			
tert-Butylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Carbon disulfide	23.0	0.50	ug/l	25.0	0.220	91	56-132			
Carbon tetrachloride	23.1	0.50	ug/l	25.0	ND	93	76-131			
Chlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
Chloroethane	22.6	1.0	ug/l	25.0	ND	91	67-134			
Chloroform	21.7	0.50	ug/l	25.0	0.750	84	70-130			
Chloromethane	20.7	1.0	ug/l	25.0	ND	83	50-135			
2-Chlorotoluene	22.2	0.50	ug/l	25.0	ND	89	70-130			
4-Chlorotoluene	23.0	0.50	ug/l	25.0	ND	92	70-130			
Dibromochloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dibromo-3-chloropropane	21.4	2.5	ug/l	25.0	ND	86	60-135			
1,2-Dibromoethane (EDB)	22.4	0.50	ug/l	25.0	ND	90	70-130			
Dibromomethane	22.3	0.50	ug/l	25.0	ND	89	70-130			
1,2-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,3-Dichlorobenzene	22.0	0.50	ug/l	25.0	ND	88	70-130			
1,4-Dichlorobenzene	22.7	0.50	ug/l	25.0	ND	91	70-130			
Dichlorodifluoromethane	19.7	0.50	ug/l	25.0	ND	79	36-150			
1,1-Dichloroethane	21.6	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dichloroethane	21.3	0.50	ug/l	25.0	ND	85	68-143			
1,1-Dichloroethene	23.7	0.50	ug/l	25.0	ND	95	70-130			
cis-1,2-Dichloroethene	21.3	0.50	ug/l	25.0	0.120	85	70-130			
trans-1,2-Dichloroethene	22.6	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	21.7	0.50	ug/l	25.0	ND	87	70-130			
1,3-Dichloropropane	22.3	0.50	ug/l	25.0	ND	89	70-130			
2,2-Dichloropropane	22.3	1.0	ug/l	25.0	ND	89	66-130			

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Matrix Spike Analyzed: 03/14/2011 (11C0531-MS1)					**Source: PUC0598-01**					
1,1-Dichloropropene	23.0	0.50	ug/l	25.0	ND	92	70-130			
cis-1,3-Dichloropropene	22.2	0.50	ug/l	25.0	ND	89	70-130			
trans-1,3-Dichloropropene	23.4	0.50	ug/l	25.0	ND	94	71-132			
Ethylbenzene	22.1	0.50	ug/l	25.0	ND	88	70-130			
Hexachlorobutadiene	23.7	1.0	ug/l	25.0	ND	95	66-129			
2-Hexanone	23.2	2.5	ug/l	25.0	ND	93	18-150			
Iodomethane	23.4	2.5	ug/l	25.0	ND	94	47-141			
Isopropylbenzene	25.6	0.50	ug/l	25.0	ND	102	78-137			
p-Isopropyltoluene	23.7	0.50	ug/l	25.0	ND	95	70-130			
Methylene Chloride	21.0	1.0	ug/l	25.0	ND	84	74-132			
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0	ND	93	56-145			
Methyl-tert-butyl Ether (MTBE)	21.7	0.50	ug/l	25.0	ND	87	67-138			
Naphthalene	26.3	2.5	ug/l	25.0	ND	105	54-135			
n-Propylbenzene	24.1	0.50	ug/l	25.0	ND	96	70-130			
Styrene	23.0	0.50	ug/l	25.0	ND	92	51-123			
1,1,1,2-Tetrachloroethane	20.7	0.50	ug/l	25.0	ND	83	70-130			
1,1,2,2-Tetrachloroethane	23.6	0.50	ug/l	25.0	ND	95	69-133			
Tetrachloroethene	24.8	0.50	ug/l	25.0	1.62	93	70-130			
Toluene	21.5	0.50	ug/l	25.0	ND	86	70-130			
1,2,3-Trichlorobenzene	24.4	1.0	ug/l	25.0	ND	97	70-130			
1,2,4-Trichlorobenzene	24.5	1.0	ug/l	25.0	ND	98	66-126			
1,1,1-Trichloroethane	22.4	0.50	ug/l	25.0	ND	90	76-132			
1,1,2-Trichloroethane	21.5	0.50	ug/l	25.0	ND	86	70-130			
Trichloroethene	23.0	0.50	ug/l	25.0	0.990	88	70-130			
Trichlorofluoromethane	26.5	0.50	ug/l	25.0	ND	106	74-150			
1,2,3-Trichloropropane	23.1	1.0	ug/l	25.0	ND	92	70-130			
1,2,4-Trimethylbenzene	23.5	0.50	ug/l	25.0	ND	94	70-130			
1,3,5-Trimethylbenzene	23.2	0.50	ug/l	25.0	ND	93	61-138			
Vinyl Acetate	36.6	1.0	ug/l	25.0	ND	146	50-150			
Vinyl chloride	23.7	0.50	ug/l	25.0	ND	95	58-139			
Xylenes, Total	45.6	1.0	ug/l	50.0	ND	91	70-130			
Freon 113	23.8	2.0	ug/l	25.0	ND	95	56-148			
Surrogate: Dibromofluoromethane	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: Toluene-d8	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.6*		*ug/l*	*25.0*		*98*	*70-130*			

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009

Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Matrix Spike Dup Analyzed: 03/14/2011 (11C0531-MSD1)					**Source: PUC0598-01**					
Acetone	15.4	10	ug/l	25.0	ND	61	10-150	28	35	
Benzene	22.4	0.50	ug/l	25.0	ND	89	70-130	4	20	
Bromobenzene	25.4	0.50	ug/l	25.0	ND	101	70-130	11	20	
Bromochloromethane	19.7	0.50	ug/l	25.0	ND	79	70-130	8	20	
Bromodichloromethane	21.1	0.50	ug/l	25.0	0.110	84	70-130	1	20	
Bromoform	22.9	1.0	ug/l	25.0	ND	92	62-126	2	20	
Bromomethane	18.5	1.0	ug/l	25.0	ND	74	55-136	8	24	
2-Butanone (MEK)	20.0	2.5	ug/l	25.0	ND	80	22-150	8	31	
n-Butylbenzene	26.5	0.50	ug/l	25.0	ND	106	70-130	12	20	
sec-Butylbenzene	26.1	0.50	ug/l	25.0	ND	104	70-130	12	20	
tert-Butylbenzene	25.3	0.50	ug/l	25.0	ND	101	70-130	8	20	
Carbon disulfide	23.1	0.50	ug/l	25.0	0.220	92	56-132	0.6	20	
Carbon tetrachloride	23.2	0.50	ug/l	25.0	ND	93	76-131	0.5	20	
Chlorobenzene	23.1	0.50	ug/l	25.0	ND	92	70-130	4	20	
Chloroethane	23.2	1.0	ug/l	25.0	ND	93	67-134	2	20	
Chloroform	22.6	0.50	ug/l	25.0	0.750	87	70-130	4	20	
Chloromethane	20.6	1.0	ug/l	25.0	ND	82	50-135	0.5	20	
2-Chlorotoluene	24.5	0.50	ug/l	25.0	ND	98	70-130	10	20	
4-Chlorotoluene	25.2	0.50	ug/l	25.0	ND	101	70-130	9	20	
Dibromochloromethane	21.6	0.50	ug/l	25.0	ND	86	70-130	4	20	
1,2-Dibromo-3-chloropropane	21.3	2.5	ug/l	25.0	ND	85	60-135	0.6	29	
1,2-Dibromoethane (EDB)	21.3	0.50	ug/l	25.0	ND	85	70-130	5	20	
Dibromomethane	21.3	0.50	ug/l	25.0	ND	85	70-130	5	20	
1,2-Dichlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	7	20	
1,3-Dichlorobenzene	24.0	0.50	ug/l	25.0	ND	96	70-130	9	20	
1,4-Dichlorobenzene	23.5	0.50	ug/l	25.0	ND	94	70-130	4	20	
Dichlorodifluoromethane	19.3	0.50	ug/l	25.0	ND	77	36-150	2	22	
1,1-Dichloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130	5	20	
1,2-Dichloroethane	21.1	0.50	ug/l	25.0	ND	85	68-143	0.6	20	
1,1-Dichloroethene	24.1	0.50	ug/l	25.0	ND	96	70-130	2	20	
cis-1,2-Dichloroethene	21.8	0.50	ug/l	25.0	0.120	87	70-130	3	20	
trans-1,2-Dichloroethene	22.6	0.50	ug/l	25.0	ND	91	70-130	0.09	20	
1,2-Dichloropropane	22.2	0.50	ug/l	25.0	ND	89	70-130	3	20	
1,3-Dichloropropane	21.2	0.50	ug/l	25.0	ND	85	70-130	5	20	
2,2-Dichloropropane	21.4	1.0	ug/l	25.0	ND	86	66-130	4	20	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009

Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0531 Extracted: 03/14/11										
Matrix Spike Dup Analyzed: 03/14/2011 (11C0531-MSD1)					**Source: PUC0598-01**					
1,1-Dichloropropene	23.5	0.50	ug/l	25.0	ND	94	70-130	2	20	
cis-1,3-Dichloropropene	22.0	0.50	ug/l	25.0	ND	88	70-130	0.8	20	
trans-1,3-Dichloropropene	22.6	0.50	ug/l	25.0	ND	90	71-132	3	20	
Ethylbenzene	23.1	0.50	ug/l	25.0	ND	92	70-130	4	20	
Hexachlorobutadiene	26.4	1.0	ug/l	25.0	ND	105	66-129	11	21	
2-Hexanone	21.7	2.5	ug/l	25.0	ND	87	18-150	7	25	
Iodomethane	20.7	2.5	ug/l	25.0	ND	83	47-141	12	29	
Isopropylbenzene	28.8	0.50	ug/l	25.0	ND	115	78-137	12	20	
p-Isopropyltoluene	25.6	0.50	ug/l	25.0	ND	102	70-130	8	20	
Methylene Chloride	21.0	1.0	ug/l	25.0	ND	84	74-132	0	20	
4-Methyl-2-pentanone (MIBK)	23.5	2.5	ug/l	25.0	ND	94	56-145	0.6	26	
Methyl-tert-butyl Ether (MTBE)	20.1	0.50	ug/l	25.0	ND	80	67-138	8	21	
Naphthalene	24.9	2.5	ug/l	25.0	ND	100	54-135	6	33	
n-Propylbenzene	26.7	0.50	ug/l	25.0	ND	107	70-130	10	20	
Styrene	23.9	0.50	ug/l	25.0	ND	95	51-123	4	21	
1,1,1,2-Tetrachloroethane	21.2	0.50	ug/l	25.0	ND	85	70-130	2	20	
1,1,2,2-Tetrachloroethane	24.2	0.50	ug/l	25.0	ND	97	69-133	3	20	
Tetrachloroethene	24.9	0.50	ug/l	25.0	1.62	93	70-130	0.3	20	
Toluene	22.9	0.50	ug/l	25.0	ND	92	70-130	6	20	
1,2,3-Trichlorobenzene	24.2	1.0	ug/l	25.0	ND	97	70-130	0.5	20	
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0	ND	100	66-126	2	20	
1,1,1-Trichloroethane	22.8	0.50	ug/l	25.0	ND	91	76-132	1	20	
1,1,2-Trichloroethane	21.3	0.50	ug/l	25.0	ND	85	70-130	0.8	20	
Trichloroethene	23.2	0.50	ug/l	25.0	0.990	89	70-130	1	20	
Trichlorofluoromethane	26.3	0.50	ug/l	25.0	ND	105	74-150	0.5	20	
1,2,3-Trichloropropane	23.1	1.0	ug/l	25.0	ND	92	70-130	0.09	20	
1,2,4-Trimethylbenzene	26.0	0.50	ug/l	25.0	ND	104	70-130	10	20	
1,3,5-Trimethylbenzene	25.6	0.50	ug/l	25.0	ND	103	61-138	10	33	
Vinyl Acetate	32.2	1.0	ug/l	25.0	ND	129	50-150	13	23	
Vinyl chloride	24.5	0.50	ug/l	25.0	ND	98	58-139	4	21	
Xylenes, Total	47.9	1.0	ug/l	50.0	ND	96	70-130	5	20	
Freon 113	23.6	2.0	ug/l	25.0	ND	95	56-148	0.5	22	
Surrogate: Dibromofluoromethane	*23.3*		*ug/l*	*25.0*		*93*	*70-130*			
Surrogate: Toluene-d8	*25.1*		*ug/l*	*25.0*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*24.0*		*ug/l*	*25.0*		*96*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0359 Extracted: 03/09/11										
Blank Analyzed: 03/11/2011 (11C0359-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*16.2*		*ug/l*	*20.0*		*81*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*30-130*			
LCS Analyzed: 03/11/2011 (11C0359-BS1)										**Q8**
1,4-Dioxane	18.0	1.0	ug/l	20.0		90	85-115			
Surrogate: 1,4-Dioxane-d8	*15.8*		*ug/l*	*20.0*		*79*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.1*		*ug/l*	*20.0*		*86*	*35-140*			
LCS Dup Analyzed: 03/11/2011 (11C0359-BSD1)										**Q8**
1,4-Dioxane	20.6	1.0	ug/l	20.0		103	85-115	14	20	
Surrogate: 1,4-Dioxane-d8	*14.0*		*ug/l*	*20.0*		*70*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.0*		*ug/l*	*20.0*		*80*	*35-140*			

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0526

Sampled: 03/08/11
Received: 03/08/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

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CALIBRATION DATA

METHOD: 8260B

DATE: 03/14/2011

(*) No Ethanol, TBA on this Curve, failed in SS/ICV.)

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THE LEADER IN ENVIRONMENTAL TESTING

Phoenix

SOP No. PE-QAD-022, Rev. 0
Effective Date: 09/30/2008
Page No.: 1 of 1

Attachment 1

INITIAL CALIBRATION CURVE CHECKLIST

Department: VOA	Method: 8260	Instrument #~~GCMS 3~~ GCMS 13 *
Analyst: NL	Analysis Date: * ~~3/10~~ 3/14/11	

Method name saved in the file: * NL 3/15/11

1. How many calibration points were used? 3, 4, 5, 6, 7, 8, (9), 10, 11, 12
2. Did the calibration curve pass the method criteria? (Y) N
3. Were any points of the curve removed or replaced? Y (N)

   If yes, what points were removed or replaced: lowest middle highest

   Why?

4. Were any individual analyte points removed? (Y) N

   If yes, what points were removed or replaced: (lowest) middle highest

   List of the analytes: Ethanol, TBA, Bromomethane, acetone, iodomethane, and 1,2-Dibromo-3-chloropropane.

   Why? Less than lowest RL; RSD > 15%

5. Circle the calibration model used (you may circle one or more)
   - ☑ Average Response Factor
   - ☑ Linear Regression / not forced through zero / simple linear
     - ☐ Equal weighting
     - ☑ Inverse of concentration
     - ☐ Inverse of square of concentration
   - ☐ Linear Regression / forced through zero
   - ☑ 2nd Order Regression (Quadratic) / not forced through zero
     - ☐ Equal weighting
     - ☑ Inverse of concentration
     - ☐ Inverse of square of concentration
6. Did the calibration meet the Good Documentation Practices SOP requirements: (Y) N

Review Signatures:	Analyst: [signature]	Date: 3/15/11
	Reviewer: [signature]	Date: 3/16/11

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THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL DATA REVIEW CHECKLIST

SOP PE-VOA-001 R.1
GC/MS Volatile Organic Analysis [Method No. EPA 624 & 8260B]

Analysis Date: 3/14/11	Analyst: NL		
Description	**Yes**	**No**	**NA[1]**
1. BFB (50 ng or less): Verify meets criteria every 12 hours	✓		
2. Initial Calibration Curve (5 levels)			
- Date of Initial Calibration: 3/14/11	✓		
- SPCCs must meet Min. RF	✓		
- CCCs ≤ 30% RPD	✓		
- All other compounds ≤ 15% RSD or use curve	✓		
- Comments:			
- Second source within historical limits	✓		
3. Continuing Calibration Check (every 12 hours)			
- SPCCs must meet Min. RF	✓		
- CCCs ≤ 20% D	✓		
- IS RT ± 30 secs	✓		
- IS area –50% to +100%	✓		
- All CCVs for reported analytes within historical limits	✓		
4. Method Blank			
- Analyze one per batch (≤ 20 samples or 12 hours, whichever is more frequent)	✓		
- All compounds of interest must be < Reporting Limit	✓		
5. Laboratory Control Samples (LCS/LCSD)			NA
- Must be analyzed per 20 samples/per matrix/per batch			
- LCS/LSCD recoveries within historical limits			
- RPD ≤ 25%			
- Surrogates within historical limits			
6. MS/MSD			
- Must be analyzed per 20 samples/per matrix/per batch			
- MS/MSD recoveries within historical limits			
- RPD ≤ 25%			
- Surrogates within historical limits			
7. Samples			
- Analyzed within 14 days of sampling			
- IS = RT ± 30 secs and area –50% to +100% of Mid-Point of last ICAL or CCV			
- Surrogate recoveries within historical limits			
- pH ≤ 2			
- If pH is not ≤ 2, flag data with P and pH Data Qualifier			
Comments:			

NOTE: Batch = 12 hour (from injection of BFB)

Review Signatures:	Analyst: [signature]	Date: 3/15/11
	Reviewer: [signature]	Date: 3/16/11

[1]) NA: Not Applicable

Injection Log

Directory: C:\HPCHEM\1\GCMS13\DATA\031411

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	03141101.d	1.	BLK		14 Mar 2011 06:23
2	2	03141102.d	1.	BLK		14 Mar 2011 06:56
3	1	03141103.d	1.	TUNE		14 Mar 2011 07:43
4	1	03141104.d	1.	25 PPB CCV		14 Mar 2011 08:12
5	2	03141105.d	1.	BLANK		14 Mar 2011 08:55
6	3	03141106.d	1.	BLANK		14 Mar 2011 09:28
7	4	03141107.d	1.	BLANK		14 Mar 2011 10:01
8	5	03141108.d	1.	0.5 PPB CAL PT		14 Mar 2011 10:33
9	6	03141109.d	1.	1.0 PPB CAL PT		14 Mar 2011 11:06
10	7	03141110.d	1.	2.0 PPB CAL PT		14 Mar 2011 11:39
11	8	03141111.d	1.	2.0 PPB CAL PT		14 Mar 2011 12:14
12	9	03141112.d	1.	5.0 PPB CAL PT		14 Mar 2011 12:47
13	10	03141113.d	1.	10 PPB CAL PT		14 Mar 2011 13:20
14	11	03141114.d	1.	25 PPB CAL PT		14 Mar 2011 13:53
15	12	03141115.d	1.	50 PPB CAL PT		14 Mar 2011 14:25
16	13	03141116.d	1.	100 PPB CAL PT		14 Mar 2011 14:57
17	14	03141117.d	1.	200 PPB CAL PT		14 Mar 2011 15:29
18	15	03141118.d	1.	BLANK		14 Mar 2011 16:02
19	16	03141119.d	1.	BLANK		14 Mar 2011 16:35
20	1	03141120.d	1.	TUNE		14 Mar 2011 17:13
21	1	03141121.d	1.	25PPB CCV		14 Mar 2011 17:28
22	2	03141122.d	1.	BS/ICV		14 Mar 2011 18:01
23	3	03141123.d	1.	11C0531-BSD1		14 Mar 2011 18:34
24	4	03141124.d	1.	11C0531-MS1		14 Mar 2011 19:06
25	5	03141125.d	1.	11C0531-MSD1		14 Mar 2011 19:38
26	6	03141126.d	1.	BLK		14 Mar 2011 20:11
27	7	03141127.d	1.	11C0531-BLK1		14 Mar 2011 20:44
28	8	03141128.d	1.	PUC0598-05@TB		14 Mar 2011 21:17
29	9	03141129.d	1.	PUC0525-10@TB		14 Mar 2011 21:49
30	10	03141130.d	1.	PUC0526-02@TB		14 Mar 2011 22:22
31	11	03141131.d	1.	PUC0598-03		14 Mar 2011 22:55
32	12	03141132.d	1.	PUC0598-04		14 Mar 2011 23:28
33	13	03141133.d	1.	PUC0598-01		15 Mar 2011 00:01
34	14	03141134.d	1.	PUC0598-02		15 Mar 2011 00:33
35	15	03141135.d	1.	PUC0525-06		15 Mar 2011 01:06
36	16	03141136.d	1.	PUC0525-07		15 Mar 2011 01:39
37	17	03141137.d	1.	PUC0525-08		15 Mar 2011 02:12
38	18	03141138.d	1.	PUC0525-09		15 Mar 2011 02:45
39	19	03141139.d	1.	PUC0526-01		15 Mar 2011 03:18
40	20	03141140.d	1.	PUC0505-10RE1	10X	15 Mar 2011 03:51
41	21	03141141.d	1.	PUC0527-01RE1	50X	15 Mar 2011 04:24

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GC/MS 13 DAILY LOG SUMMARY

DATE: 03-14-11

QC BATCH # (s) : 11C0531

ANALYST: NL

SEQUENCE FILE: 031411.S

CALIBRATION METHOD(S): 031411.M

POS #	FILENAME	SAMPLE ID.CLIENT	SAMPLE VOL.	pH	EPA METHOD	MATRIX	COMMENTS
	03141101	Blank	1x 10ml	NA	8260	H_2O	
	02						
	03	Tune	2ul				
	04	25 ppb	1x10ml				
	05	Blank					
	06						
	07						
	08	0.5 ppb					* NL 3/14/11
	09	1.0					
	10	2.0					
	11	~~2.0~~ 3.0 *					
	12	5.0					
	13	10					
	14	25					
	15	50					
	16	100					
	17	200					
	18	Blank					
	19						
	20	Tune	2ul				
	21	25 ppb CCV	1x10ml				
	22	ICV/BS1					11C0531-BS1
	23	11C0531-BSD1					
	24	* ~~BLK1~~ MS1					vial B
	25	MSD1					1c
	26	Blank					
	27	11C0531-BLK1					
	28	PUC0598-05 A ~~B~~					
	29	0525-10 A					
	30	0528-02 A					

STANDARD ID NUMBERS

CCV/H20 LCS/H20 SPIKE: PUC1393, 01471

CALIBRATION STD: PUC1521, 01334

IS/Surrogate: PUC1157

BFB: PUC1261

LOT #:

REQUIRED REVIEWS

ARCHON REVIEWED

By / Date: NL 3/14/11

SEQUENCE REVIEWED

By / Date: NL 3/15/

FINAL REVIEWER / Date: 4/11/11

TestAmerica
Phoenix

GC/MS 13 DAILY LOG SUMMARY

DATE: 3.14.11 (con't)

QC BATCH # (s) :

ANALYST:

SEQUENCE FILE:

CALIBRATION METHOD(S):

POS #	FILENAME	SAMPLE ID.CLIENT	SAMPLE VOL.	pH	EPA METHOD	MATRIX	COMMENTS
	03141131	PLC0598-03 A	1x10mL		8260	H_2O	
	32	04 A					Source
	33	01 A					
	34	02 A					
	35	0525-06 B					
	36	07 B					
	37	08 A					
	38	09 A					
	39	0526-01 A					
	40	0505-10 REI @10X	1mL→10mL				
	41	0527-01 REI @50X	200µL→10mL				

NL 3/15/11

STANDARD ID NUMBERS

CCV/H20 LCS/H20 SPIKE:

CALIBRATION STD:

IS/Surrogate:

BFB:

LOT #:

See prev. page (18)

REQUIRED REVIEWS

ARCHON REVIEWED

By / Date:

SEQUENCE REVIEWED

By / Date:

FINAL REVIEWER / Date:

PX-VOA-003/C 07/09

TestAmerica
Phoenix

Instrument ID	GCMS 13
Date:	3/14/11
Analyst	NL
Method(s)	8260
50 ppm Cal. Std.	PU01521
500 / 250 ppm EtOH/TBA Cal. Std.	PU01334
50 ppm SS Std.	PU01393
500 / 250 ppm EtOH/TBA SS Std.	PU01471

This table outlines the initial calibration preparation for GCMS 13.

	FINAL CONCENTRATIONS (ppb)		SPIKE AMOUNTS (uL)	
Calibration number	ISTD / Surrogates *	Target Compounds VOC / EtOH / TBA	Calibration standard 50 ppm and Ethanol/TBA standard 500 ppm /250 ppm	Final Volume (mL)
1	25	0.5 / 2.5 / 5	1	100
2	25	1 / 5 10	1	50
3	25	2 / 10 / 20	2	50
4	25	5 / 25 / 50	5	50
5	25	10 / 50 / 100	10	50
6*	**25**	**25 / 125 / 250**	**25**	**50**
7	25	50 / 250 / 500	50	50
8	25	100 / 500 / 1000	100	50
9	25	200 / 1000 / 2000	200	50

SS/ICVs are at the same level as Calibration point #6 and prepared the same way.

Reviewed By: _____ Date: 3/16/11

RESPONSE FACTOR REPORT

Operator NL
Standard Lot_____
Reviewed by_____
GCMS13

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration

Calibration File
0.5 =03141108.D 1.0 =03141109.D 2.0 =03141111.D 5.0 =03141112.D
25.0 =03141114.D 50.0 =03141115.D 100 =03141116.D 200 =03141117.D =

	Compound	0.5	1.0	2.0	5.0	10.0	25.0	50.0	100	200	Avg	%RSD	
I	TBA-d9	ISTD											
T	Ethanol					0.076	0.081	0.087	0.081	0.073	0.080	6.69	
T	tert-Butanol (TBA)			1.725	1.000	1.008	0.962	1.044	1.055	0.965	1.108	24.75	r²=0.997
I	Pentafluorobenzene	ISTD											
T	Dichlorodifluoromethane	0.915	0.833	0.942	0.943	0.936	0.917	0.945	0.921	0.890	0.916	3.92	
P	Chloromethane	0.550	0.490	0.574	0.483	0.408	0.447	0.483	0.593	0.648	0.520	14.74	
C	Vinyl chloride	0.523	0.513	0.656	0.564	0.550	0.540	0.560	0.570	0.524	0.556	7.67	
T	Bromomethane		0.285	0.300	0.243	0.300	0.420	0.505	0.554	0.604	0.401	34.49	r²=1.000
T	Chloroethane	0.434	0.459	0.625	0.477	0.469	0.470	0.465	0.433	0.430	0.474	12.59	
T	Trichlorofluoromethane	1.096	1.028	1.207	1.134	1.176	1.157	1.170	1.162	1.135	1.141	4.59	
T	Acetone				0.139	0.136	0.107	0.120	0.113	0.127	0.124	10.20	
T	Iodomethane			0.271	0.285	0.388	0.531	0.588	0.544	0.608	0.459	30.99	r²=0.996
C	1,1-Dichloroethene	0.624	0.527	0.691	0.567	0.574	0.558	0.579	0.580	0.572	0.586	7.97	
T	Methylene chloride	0.743	0.712	0.837	0.666	0.678	0.646	0.655	0.640	0.632	0.690	9.52	
T	Freon 113	0.738	0.686	0.736	0.732	0.764	0.738	0.748	0.748	0.715	0.734	3.05	
T	Carbon disulfide	1.920	1.653	2.096	1.497	1.504	1.446	1.481	1.536	1.523	1.629	13.94	
T	trans-1,2-Dichloroethene	0.669	0.606	0.889	0.619	0.654	0.625	0.649	0.642	0.622	0.664	13.05	
T	MTBE	1.131	1.131	1.202	1.169	1.204	1.189	1.233	1.215	1.254	1.192	3.56	
P	1,1-Dichloroethane	1.166	1.200	1.599	1.217	1.215	1.194	1.191	1.204	1.148	1.237	11.12	
T	Vinyl acetate	0.555	0.560	0.576	0.505	0.509	0.594	0.602	0.603	0.647	0.572	8.05	
T	n-Hexane	0.124	0.125	0.128	0.137	0.122	0.121	0.120	0.115	0.108	0.122	6.54	
T	2-Butanone (MEK)	0.040	0.032	0.040	0.031	0.030	0.031	0.032	0.030	0.030	0.033	12.43	
T	Diisopropylether (DIPE)	2.153	2.375	2.713	2.248	2.246	2.239	2.262	2.103	1.990	2.259	8.97	
T	cis-1,2-dichloroethene	0.713	0.676	0.926	0.688	0.686	0.686	0.685	0.691	0.654	0.712	11.49	
T	Bromochloromethane	0.229	0.244	0.266	0.244	0.240	0.244	0.247	0.251	0.251	0.246	4.12	
C	Chloroform	1.296	1.297	1.738	1.317	1.305	1.256	1.272	1.258	1.193	1.326	12.00	
T	2,2-Dichloropropane	1.116	1.071	1.452	1.030	0.999	0.992	0.993	0.992	0.948	1.066	14.36	
T	(ETBE) 2-Ethoxy-2-methyl propane	1.563	1.701	1.913	1.714	1.681	1.727	1.767	1.696	1.674	1.715	5.40	
S	Dibromofluoromethane	0.563	0.555	0.584	0.571	0.569	0.578	0.587	0.584	0.569	0.573	1.87	
T	1,2-Dichloroethane	0.790	0.811	0.922	0.828	0.824	0.813	0.830	0.825	0.816	0.829	4.44	
T	1,1,1-Trichloroethane	1.101	1.063	1.448	1.152	1.156	1.127	1.164	1.152	1.080	1.160	9.79	

M 3/16/11

NL 3/15/11

T	(TAME) tert-Amyl methy ether	1.124	1.166	1.272	1.185	1.190	1.205	1.240	1.204	1.192	1.198	3.51	
I	1,4-Difluorobenzene	----------ISTD----------											
T	1,1-Dichloropropene	0.621	0.596	0.740	0.623	0.624	0.599	0.597	0.605	0.587	0.621	7.49	
T	Carbon tetrachloride	0.597	0.604	0.772	0.661	0.661	0.647	0.665	0.660	0.651	0.657	7.58	
T	Benzene	1.567	1.521	2.016	1.553	1.569	1.486	1.512	1.474	1.394	1.566	11.32	
T	Dibromomethane	0.217	0.222	0.253	0.239	0.237	0.230	0.228	0.222	0.227	0.230	4.76	
C	1,2-Dichloropropane	0.381	0.383	0.500	0.396	0.399	0.386	0.379	0.370	0.358	0.395	10.50	
T	Trichloroethene	0.500	0.473	0.610	0.474	0.477	0.473	0.458	0.459	0.446	0.486	10.06	
T	Bromodichloromethane	0.570	0.571	0.721	0.617	0.623	0.604	0.617	0.594	0.604	0.614	7.25	
T	2-Chlorovinylethylether	0.123	0.118	0.123	0.131	0.126	0.135	0.134	0.132	0.142	0.129	5.83	
T	cis-1,3-Dichloropropene	0.570	0.570	0.705	0.590	0.602	0.599	0.594	0.590	0.582	0.600	6.82	
T	4-Methyl-2-pentanone (MIBK)	0.186	0.185	0.194	0.189	0.193	0.201	0.200	0.193	0.214	0.195	4.68	
T	trans-1,3-Dichloropropene	0.433	0.462	0.538	0.501	0.494	0.504	0.502	0.497	0.515	0.494	6.14	
T	1,1,2-Trichloroethane	0.245	0.255	0.284	0.268	0.262	0.258	0.258	0.258	0.267	0.262	4.19	
S	Toluene-d8	1.077	1.073	1.094	1.109	1.095	1.118	1.097	1.110	1.151	1.103	2.11	
C	Toluene	0.896	0.964	1.251	0.987	0.947	0.919	0.892	0.856	0.852	0.952	12.75	
I	Chlorobenzene-d5	----------ISTD----------											
T	1,3-Dichloropropane	0.476	0.514	0.535	0.497	0.516	0.472	0.473	0.447	0.471	0.489	5.73	
T	2-Hexanone	0.169	0.160	0.169	0.150	0.154	0.141	0.149	0.136	0.154	0.153	7.44	
T	Dibromochloromethane	0.356	0.343	0.425	0.391	0.394	0.385	0.397	0.382	0.409	0.387	6.46	
T	1,2-Dibromoethane	0.301	0.288	0.291	0.296	0.307	0.289	0.294	0.283	0.306	0.295	2.78	
T	Tetrachloroethene	0.446	0.451	0.540	0.433	0.443	0.406	0.414	0.398	0.396	0.436	10.13	
T	1,1,1,2-Tetrachloroethane	0.574	0.440	0.531	0.432	0.421	0.402	0.408	0.396	0.415	0.447	14.04	
P	Chlorobenzene	1.163	1.195	1.463	1.117	1.143	1.075	1.101	1.025	1.051	1.148	11.31	
C	Ethylbenzene	2.051	2.111	2.735	2.057	2.104	1.984	1.948	1.789	1.708	2.054	14.14	
T	m,p-Xylenes	0.733	0.742	0.957	0.727	0.715	0.672	0.684	0.644	0.639	0.724	13.15	
T	Styrene	1.014	1.079	1.372	1.130	1.153	1.070	1.085	0.992	0.999	1.099	10.61	
T	o-Xylene	0.682	0.727	0.956	0.725	0.702	0.647	0.619	0.591	0.580	0.692	16.36	r²=1.000
S	4-Bromofluorobenzene	0.566	0.560	0.566	0.572	0.572	0.543	0.548	0.509	0.529	0.551	3.93	
I	1,4-Dichlorobenzene-d4	----------ISTD----------											
P	Bromoform	0.352	0.383	0.468	0.432	0.432	0.474	0.471	0.484	0.515	0.446	11.54	
P	1,1,2,2-Tetrachloroethane	0.519	0.491	0.504	0.493	0.482	0.499	0.458	0.448	0.452	0.483	5.17	
T	1,2,3-Trichloropropane	0.140	0.132	0.138	0.142	0.139	0.143	0.138	0.141	0.149	0.140	3.36	
T	Isopropylbenzene	2.960	3.169	4.099	3.228	3.178	3.261	3.064	3.065	2.875	3.211	11.08	
T	Bromobenzene	0.886	0.859	1.052	0.879	0.864	0.891	0.857	0.862	0.841	0.888	7.14	
T	n-Propylbenzene	4.027	4.111	5.343	4.267	4.231	4.136	3.971	3.869	3.486	4.160	12.05	
T	2-Chlorotoluene	2.543	2.643	3.378	2.673	2.604	2.582	2.525	2.415	2.270	2.626	11.73	
T	4-Chlorotoluene	2.504	2.754	3.500	2.706	2.656	2.595	2.502	2.507	2.294	2.669	12.75	
T	1,3,5-Trimethylbenzene	2.655	2.886	3.708	2.909	2.878	2.838	2.740	2.768	2.533	2.879	11.59	
T	tert-Butylbenzene	2.275	2.325	2.985	2.331	2.394	2.318	2.215	2.188	2.050	2.342	11.16	
T	1,2,4-Trimethylbenzene	2.736	2.834	3.783	2.945	2.898	2.887	2.706	2.678	2.503	2.886	12.59	
T	sec-Butylbenzene	3.582	3.581	4.719	3.810	3.796	3.703	3.502	3.417	3.103	3.690	11.98	
T	1,3-Dichlorobenzene	1.594	1.644	1.990	1.653	1.578	1.537	1.480	1.455	1.389	1.591	10.90	
T	1,4-Dichlorobenzene	1.645	1.699	2.009	1.576	1.572	1.537	1.476	1.435	1.373	1.591	11.72	
T	p-Isopropyltoluene	3.023	2.983	3.805	3.026	2.959	2.963	2.841	2.715	2.483	2.978	12.01	
T	1,2-Dichlorobenzene	1.414	1.395	1.645	1.418	1.366	1.388	1.337	1.313	1.249	1.392	7.85	
T	n-Butylbenzene	2.769	2.939	3.797	3.061	3.017	3.014	2.959	2.826	2.528	2.990	11.53	

M 3/16/11

T	1,2-Dibromo-3-chloropropane			0.103	0.084	0.085	0.085	0.087	0.083	0.085		0.087	8.21
T	1,2,4-Trichlorobenzene	1.097	1.072	1.251	1.062	1.113	1.149	1.148	1.138	1.134		1.129	4.92
T	Naphthalene	1.191	1.205	1.317	1.249	1.337	1.423	1.394	1.318	1.411		1.316	6.55
T	Hexachlorobutadiene	0.485	0.588	0.695	0.576	0.587	0.617	0.596	0.610	0.608		0.596	9.06
T	1,2,3-Trichlorobenzene	0.879	0.866	0.956	0.890	0.891	0.918	0.912	0.910	0.926		0.905	2.99

(#) = Out of Range

031411.M Tue Mar 15 14:35:07 2011

NL

M 9/16/11

Calibration Status Report GCMS13

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	0.5	5	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D
2	1.0	10	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D
3	2.0	20	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D
4	5.0	50	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D
5	10.0	100	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D
6	25.0	250	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D
7	50.0	500	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D
8	100	1000	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D
9	200	2000	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.5	Mar 14 16:08 2011	Mar 14 15:56 2011	14 Mar 2011 10:33 am
2	1.0	Mar 14 16:09 2011	Mar 14 15:58 2011	14 Mar 2011 11:06 am
3	2.0	Mar 14 16:09 2011	Mar 14 15:59 2011	14 Mar 2011 12:14 pm
4	5.0	Mar 14 16:09 2011	Mar 14 16:00 2011	14 Mar 2011 12:47 pm
5	10.0	Mar 14 16:09 2011	Mar 14 16:01 2011	14 Mar 2011 1:20 pm
6	25.0	Mar 14 16:09 2011	Mar 14 16:04 2011	14 Mar 2011 1:53 pm
7	50.0	Mar 14 16:09 2011	Mar 14 16:05 2011	14 Mar 2011 2:25 pm
8	100	Mar 14 16:09 2011	Mar 14 16:06 2011	14 Mar 2011 2:57 pm
9	200	Mar 14 16:09 2011	Mar 14 16:07 2011	14 Mar 2011 3:29 pm

031411.M Tue Mar 15 14:34:58 2011

NL 3/15/11

M 3/16/11

Compound List Report GCMS13

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
Total Cpnds : 83

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	TBA-d9	65	7.31	1.000	A	0	A	B
2	T	Ethanol	45	5.90	0.807	A	1	A	B
3	T	tert-Butanol (TBA)	59	7.42	1.015	L	1	A	B
4	I	Pentafluorobenzene	168	10.47	1.000	A	1	A	B
5	T	Dichlorodifluoromethane	85	4.47	0.427	A	1	A	B
6	P	Chloromethane	50	4.78	0.456	A	1	A	B
7	C	Vinyl chloride	62	5.06	0.484	A	1	A	L
8	T	Bromomethane	94	5.66	0.541	Q	1	A	L
9	T	Chloroethane	64	5.87	0.561	A	2	A	B
10	T	Trichlorofluoromethane	101	6.68	0.637	A	1	A	B
11	T	Acetone	43	6.83	0.652	A	1	A	L
12	T	Iodomethane	142	7.46	0.712	L	2	A	B
13	C	1,1-Dichloroethene	96	7.41	0.708	A	2	A	L
14	T	Methylene chloride	84	7.60	0.725	A	2	A	B
15	T	Freon 113	101	7.66	0.732	A	2	A	B
16	T	Carbon disulfide	76	7.92	0.757	A	2	A	B
17	T	trans-1,2-Dichloroethene	96	8.48	0.810	A	2	A	B
18	T	MTBE	73	8.62	0.823	A	1	A	B
19	P	1,1-Dichloroethane	63	8.81	0.841	A	2	A	B
20	T	Vinyl acetate	43	8.95	0.855	A	1	A	B
21	T	n-Hexane	86	9.33	0.890	A	1	A	B
22	T	2-Butanone (MEK)	72	9.34	0.892	A	2	A	B
23	T	Diisopropylether (DIPE)	45	9.36	0.894	A	3	A	B
24	T	cis-1,2-dichloroethene	96	9.54	0.911	A	2	A	B
25	T	Bromochloromethane	128	9.76	0.932	A	2	A	B
26	C	Chloroform	83	9.81	0.937	A	2	A	B
27	T	2,2-Dichloropropane	77	9.92	0.948	A	2	A	B
28	T	(ETBE) 2-Ethoxy-2-methyl propa	59	9.87	0.943	A	2	A	B
29	S	Dibromofluoromethane	113	9.97	0.952	A	0	A	B
30	T	1,2-Dichloroethane	62	10.66	1.018	A	2	A	B
31	T	1,1,1-Trichloroethane	97	10.79	1.031	A	2	A	B
32	T	(TAME) tert-Amyl methy ether	73	11.50	1.098	A	3	A	R
33	I	1,4-Difluorobenzene	114	11.60	1.000	A	0	A	B
34	T	1,1-Dichloropropene	75	11.03	0.951	A	2	A	B
35	T	Carbon tetrachloride	117	11.27	0.971	A	2	A	B
36	T	Benzene	78	11.32	0.975	A	1	A	B
37	T	Dibromomethane	93	12.05	1.039	A	2	A	B
38	C	1,2-Dichloropropane	63	12.09	1.042	A	2	A	B
39	T	Trichloroethene	95	12.14	1.047	A	3	A	B
40	T	Bromodichloromethane	83	12.20	1.052	A	2	A	B
41	T	2-Chlorovinylethylether	63	12.73	1.097	A	2	A	B
42	T	cis-1,3-Dichloropropene	75	13.04	1.124	A	2	A	B
43	T	4-Methyl-2-pentanone (MIBK)	43	13.17	1.135	A	1	A	L
44	T	trans-1,3-Dichloropropene	75	13.60	1.172	A	2	A	B
45	T	1,1,2-Trichloroethane	97	13.82	1.191	A	2	A	Q
46	S	Toluene-d8	98	13.99	1.206	A	0	A	B
47	C	Toluene	92	14.08	1.214	A	2	A	Q
48	I	Chlorobenzene-d5	117	15.95	1.000	A	0	A	B
49	T	1,3-Dichloropropane	76	14.14	0.887	A	1	A	B
50	T	2-Hexanone	43	14.33	0.898	A	2	A	B
51	T	Dibromochloromethane	129	14.52	0.911	A	1	A	B
52	T	1,2-Dibromoethane	107	14.85	0.931	A	1	A	B
53	T	Tetrachloroethene	164	15.08	0.946	A	2	A	B
54	T	1,1,1,2-Tetrachloroethane	131	15.88	0.996	A	2	A	B
55		Chlorobenzene	112	15.99	1.003	A	2	A	B
56	C	Ethylbenzene	91	16.24	1.019	A	1	A	B
57	T	m,p-Xylenes	106	16.51	1.035	A	2	A	B
58	T	Styrene	104	16.96	1.063	A	3	A	B
59	T	o-Xylene	106	17.06	1.070	Q	2	A	B

M/ 1/16/11

60	S	4-Bromofluorobenzene	95	17.62	1.105	A	2	A	B
61	I	1,4-Dichlorobenzene-d4	152	19.41	1.000	A	2	A	B
62	P	Bromoform	173	16.68	0.860	A	1	A	B
63	P	1,1,2,2-Tetrachloroethane	83	17.05	0.878	A	2	A	B
64	T	1,2,3-Trichloropropane	110	17.25	0.889	A	2	A	R
65	T	Isopropylbenzene	105	17.56	0.905	A	1	A	L
66	T	Bromobenzene	156	17.92	0.923	A	2	A	B
67	T	n-Propylbenzene	91	18.17	0.936	A	1	A	B
68	T	2-Chlorotoluene	91	18.31	0.943	A	1	A	R
69	T	4-Chlorotoluene	91	18.42	0.949	A	1	A	R
70	T	1,3,5-Trimethylbenzene	105	18.57	0.957	A	1	A	B
71	T	tert-Butylbenzene	119	18.96	0.977	A	2	A	B
72	T	1,2,4-Trimethylbenzene	105	19.11	0.984	A	1	A	B
73	T	sec-Butylbenzene	105	19.25	0.992	A	1	A	R
74	T	1,3-Dichlorobenzene	146	19.36	0.997	A	2	A	R
75	T	1,4-Dichlorobenzene	146	19.44	1.002	A	2	A	R
76	T	p-Isopropyltoluene	119	19.48	1.003	A	2	A	R
77	T	1,2-Dichlorobenzene	146	19.88	1.024	A	2	A	B
78	T	n-Butylbenzene	91	19.98	1.030	A	2	A	B
79	T	1,2-Dibromo-3-chloropropane	75	20.45	1.053	A	2	A	B
80	T	1,2,4-Trichlorobenzene	180	22.15	1.141	A	2	A	B
81	T	Naphthalene	128	22.50	1.159	A	1	A	B
82	T	Hexachlorobutadiene	225	22.55	1.162	A	2	A	B
83	T	1,2,3-Trichlorobenzene	180	22.77	1.173	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

031411.M Tue Mar 15 14:34:50 2011

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141101.D Vial: 1
Acq On : 14 Mar 2011 6:23 am Operator: NL
Sample : BLK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:54 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

clean out

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.32	65	174114	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	1241671	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1816668	25.00 ug/L	-0.01
48) Chlorobenzene-d5	15.94	117	1495081	25.00 ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	825987	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	664479	22.24 ug/L	0.00
Spiked Amount 25.000			Recovery =	88.96%	
46) Toluene-d8	13.99	98	1888700	24.09 ug/L	-0.01
Spiked Amount 25.000			Recovery =	96.36%	
60) 4-Bromofluorobenzene	17.62	95	826695	27.54 ug/L	-0.03
Spiked Amount 25.000			Recovery =	110.16%	
Target Compounds					Qvalue
2) Ethanol	5.94	45	7103	47.64 ug/L	95
3) tert-Butanol (TBA)	7.44	59	7821	6.09 ug/L	97
8) Bromomethane	5.69	94	1467	0.94 ug/L	91
11) Acetone	6.87	43	98385	14.88 ug/L #	86
12) Iodomethane	7.49	142	1313	1.05 ug/L #	83
14) Methylene chloride	7.63	84	4652	0.13 ug/L	98
16) Carbon disulfide	7.94	76	79760	0.71 ug/L #	97
21) n-Hexane	9.33	86	1224	0.18 ug/L #	33
22) 2-Butanone (MEK)	9.37	72	2078	1.22 ug/L #	1
25) Bromochloromethane	9.77	128	1551	0.12 ug/L #	72
30) 1,2-Dichloroethane	10.67	62	4391	0.12 ug/L	93
35) Carbon tetrachloride	11.26	117	451	0.50 ug/L #	1
36) Benzene	11.32	78	15723	0.15 ug/L #	89
37) Dibromomethane	12.05	93	2241	0.15 ug/L	96
42) cis-1,3-Dichloropropene	13.05	75	3618	0.09 ug/L #	46
43) 4-Methyl-2-pentanone (MIBK	13.18	43	19054	1.36 ug/L	94
44) trans-1,3-Dichloropropene	13.60	75	3203	0.11 ug/L #	55
47) Toluene	14.10	92	21679	0.35 ug/L	95
50) 2-Hexanone	14.34	43	3623	0.39 ug/L #	87
52) 1,2-Dibromoethane	14.86	107	1995	0.12 ug/L	89
57) m,p-Xylenes	16.50	106	4547	0.11 ug/L	97
66) Bromobenzene	17.92	156	2945	0.10 ug/L	97
69) 4-Chlorotoluene	18.41	91	8325	0.10 ug/L	94
72) 1,2,4-Trimethylbenzene	19.10	105	9605	0.10 ug/L	98
74) 1,3-Dichlorobenzene	19.36	146	6917	0.13 ug/L	89
75) 1,4-Dichlorobenzene	19.44	146	8476	0.16 ug/L #	62
76) p-Isopropyltoluene	19.48	119	9361	0.10 ug/L	95
77) 1,2-Dichlorobenzene	19.89	146	5612	0.12 ug/L	95
78) n-Butylbenzene	19.98	91	13124	0.13 ug/L	96
79) 1,2-Dibromo-3-chloropropan	20.43	75	605	0.20 ug/L #	47
80) 1,2,4-Trichlorobenzene	22.15	180	10562	0.31 ug/L	93
81) Naphthalene	22.50	128	20570	0.46 ug/L	98
83) 1,2,3-Trichlorobenzene	22.76	180	10173	0.36 ug/L	91

M 4/16/11

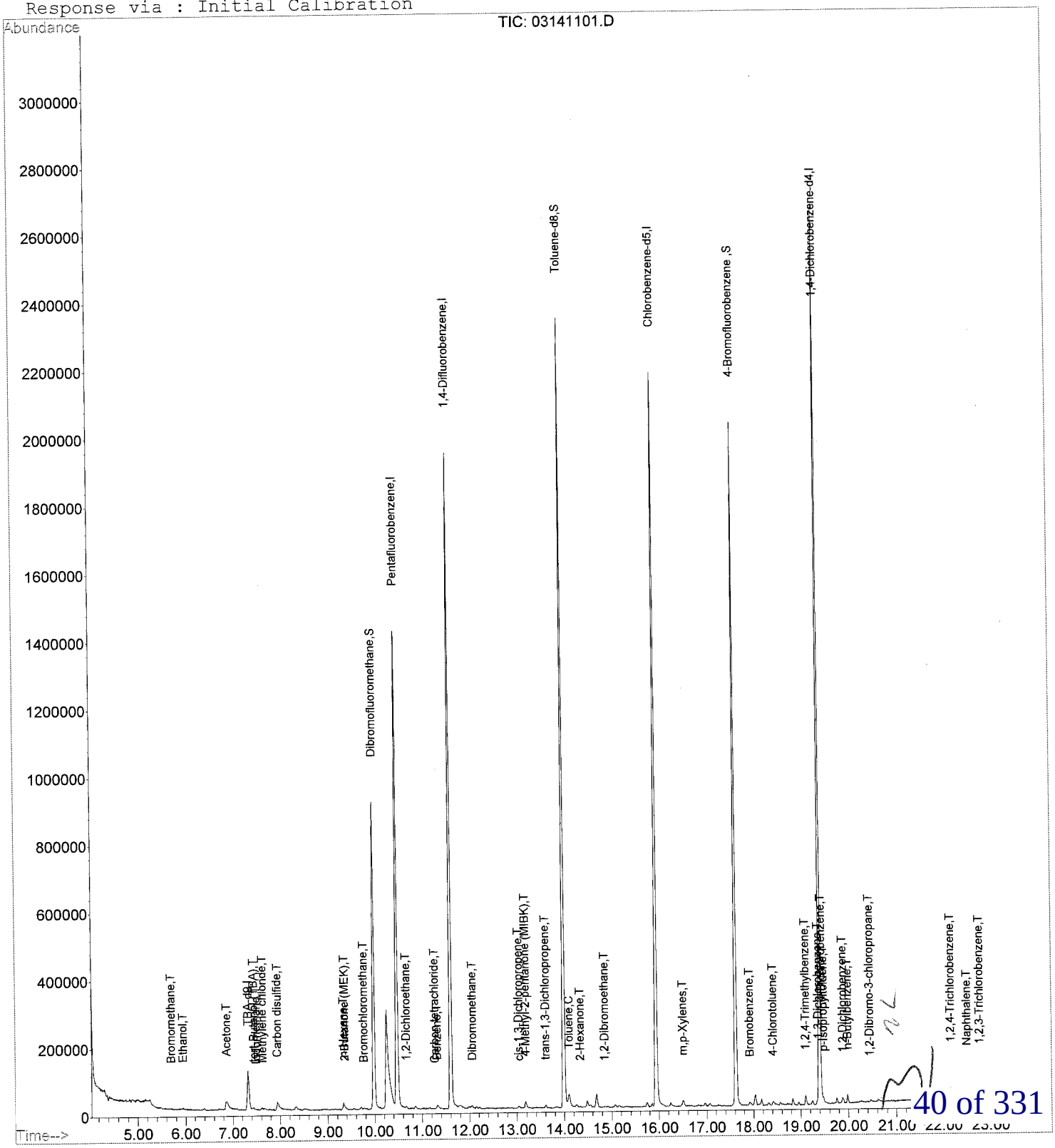
NA 3/15/11

(#) = qualifier out of range (m) = manual integration
03141101.D 030211.M Mon Mar 14 15:54:43 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141101.D Vial: 1
Acq On : 14 Mar 2011 6:23 am Operator: NL
Sample : BLK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:54 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



03141101.D 030211.M Mon Mar 14 15:54:45 2011 Page 2

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141102.D Vial: 2
Acq On : 14 Mar 2011 6:56 am Operator: NL
Sample : BLK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:54 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Clean out

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.32	65	190283	200.00	ug/L	0.00
4) Pentafluorobenzene	10.48	168	1036337	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1474518	25.00	ug/L	-0.01
48) Chlorobenzene-d5	15.95	117	1259222	25.00	ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.41	152	675184	25.00	ug/L	-0.02
System Monitoring Compounds						
29) Dibromofluoromethane	9.98	113	544504	21.84	ug/L	0.00
Spiked Amount 25.000			Recovery = 87.36%			
46) Toluene-d8	13.99	98	1540797	24.21	ug/L	-0.01
Spiked Amount 25.000			Recovery = 96.84%			
60) 4-Bromofluorobenzene	17.62	95	687755	27.20	ug/L	-0.03
Spiked Amount 25.000			Recovery = 108.80%			
Target Compounds						Qvalue
2) Ethanol	5.98	45	852	5.23	ug/L	68
3) tert-Butanol (TBA)	7.45	59	1591	1.13	ug/L	98
8) Bromomethane	5.69	94	870	0.93	ug/L	86
11) Acetone	6.88	43	4705	0.85	ug/L	92
12) Iodomethane	7.48	142	286	1.03	ug/L #	49
21) n-Hexane	9.32	86	571	0.10	ug/L	79
32) (TAME) tert-Amyl methy eth	11.60	73	19258	0.41	ug/L #	31
35) Carbon tetrachloride	11.31	117	58	0.49	ug/L #	1
45) 1,1,2-Trichloroethane	14.01	97	17155	1.21	ug/L #	1
49) 1,3-Dichloropropane	13.99	76	18805	0.73	ug/L #	64

3/15/11

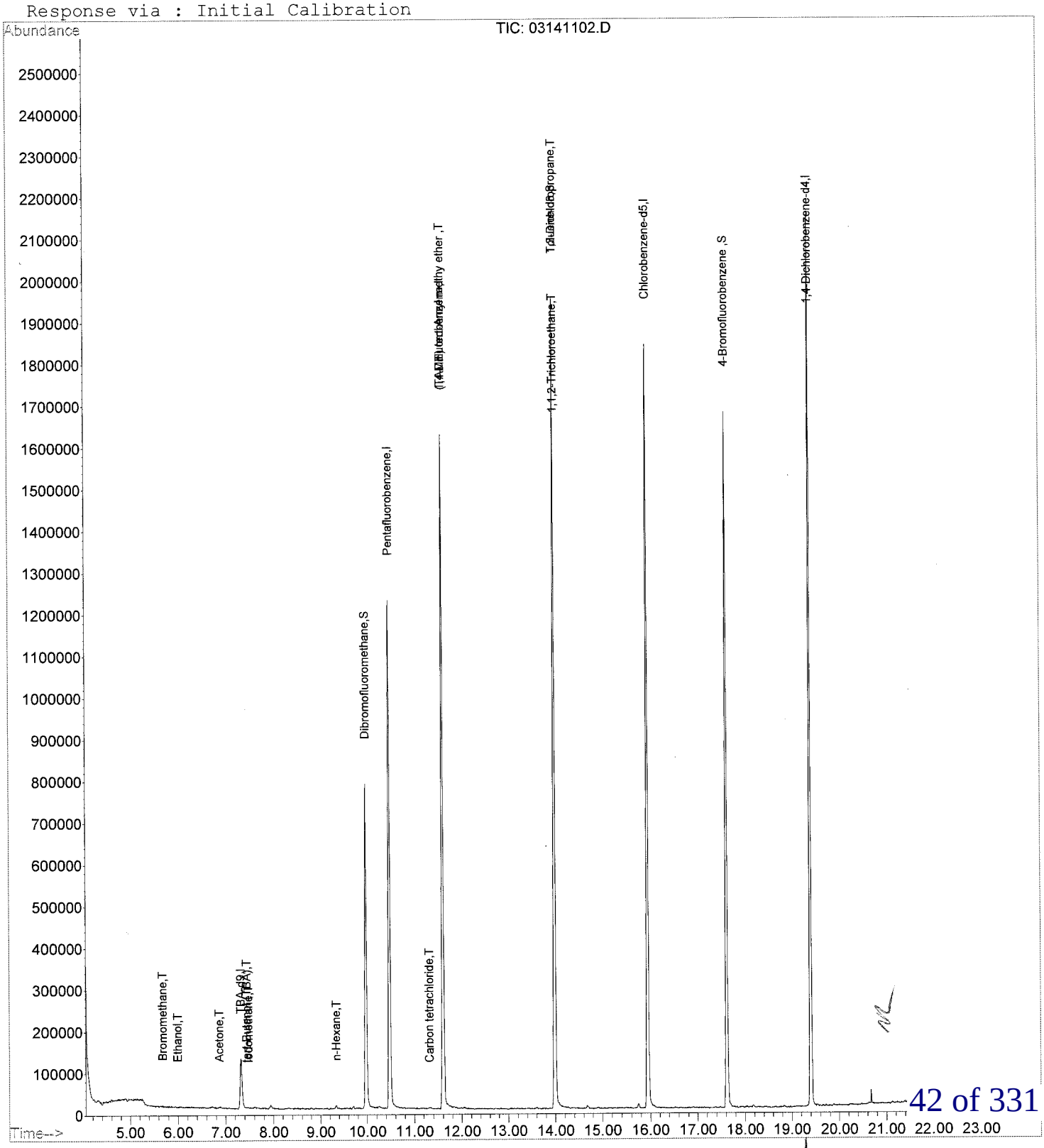
(#) = qualifier out of range (m) = manual integration
03141102.D 030211.M Mon Mar 14 15:54:51 2011

3/16/11

Quantitation Report

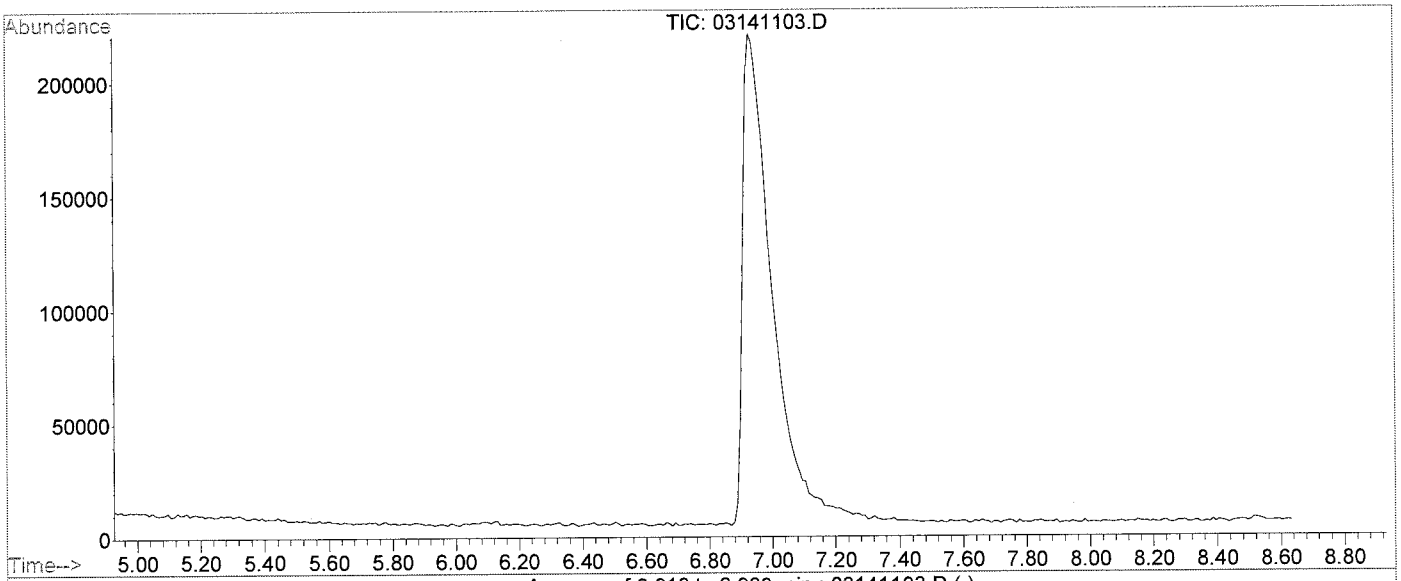
Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141102.D Vial: 2
Acq On : 14 Mar 2011 6:56 am Operator: NL
Sample : BLK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:54 2011 Quant Results File: 030211.RES

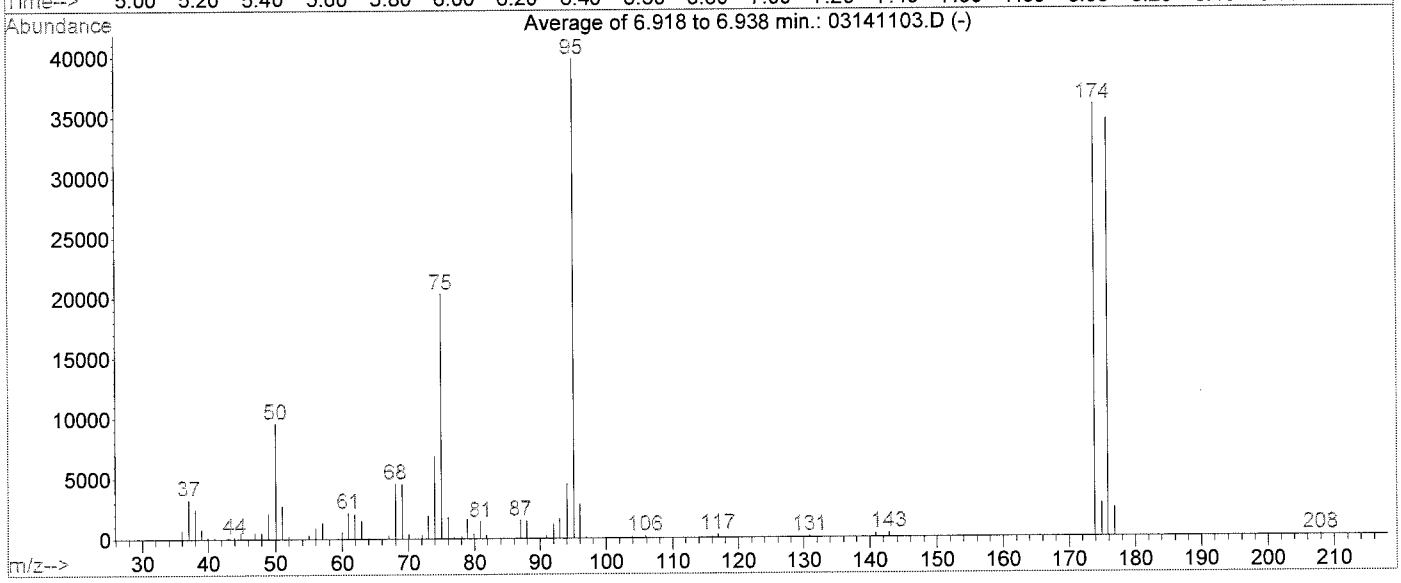
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Method 8260

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141103.D Vial: 1
Acq On : 14 Mar 2011 7:43 am Operator: NL
Sample : TUNE Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260





Spectrum Information: Average of 6.918 to 6.938 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.1	9607	PASS
75	95	30	60	51.0	20296	PASS
95	95	100	100	100.0	39789	PASS
96	95	5	9	7.1	2827	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	90.1	35832	PASS
175	174	5	9	7.7	2749	PASS
176	174	95	101	96.6	34608	PASS
177	176	5	9	6.8	2365	PASS

03141103.D 030211.M Mon Mar 14 15:55:03 2011

NL 4/16/11

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141104.D Vial: 1
Acq On : 14 Mar 2011 8:12 am Operator: NL
Sample : 25 PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.32	65	175968	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	1050990	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1509339	25.00 ug/L	-0.01
48) Chlorobenzene-d5	15.94	117	1297854	25.00 ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	657155	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	563232	22.27 ug/L	0.00
Spiked Amount 25.000			Recovery =	89.08%	
46) Toluene-d8	13.99	98	1585936	24.34 ug/L	-0.01
Spiked Amount 25.000			Recovery =	97.36%	
60) 4-Bromofluorobenzene	17.62	95	655429	25.15 ug/L	-0.03
Spiked Amount 25.000			Recovery =	100.60%	
Target Compounds					Qvalue
2) Ethanol	5.92	45	14646	97.20 ug/L	95
3) tert-Butanol (TBA)	7.42	59	108802	83.89 ug/L	97
5) Dichlorodifluoromethane	4.50	85	835847	20.44 ug/L	100
6) Chloromethane	4.81	50	379606	10.38 ug/L	100
7) Vinyl chloride	5.10	62	521193	20.92 ug/L	100
8) Bromomethane	5.69	94	308900	10.99 ug/L	98
9) Chloroethane	5.90	64	450003	19.27 ug/L	99
10) Trichlorofluoromethane	6.70	101	1045798	23.29 ug/L	100
11) Acetone	6.85	43	97430	17.41 ug/L	97
12) Iodomethane	7.47	142	430938	14.56 ug/L	98
13) 1,1-Dichloroethene	7.42	96	554612	22.10 ug/L	99
14) Methylene chloride	7.61	84	622922	20.47 ug/L	99
15) Freon 113	7.68	101	714791	23.87 ug/L	98
16) Carbon disulfide	7.94	76	1412236	19.59 ug/L	97
17) trans-1,2-Dichloroethene	8.50	96	607218	22.00 ug/L	99
18) MTBE	8.63	73	1149644	24.60 ug/L	99
19) 1,1-Dichloroethane	8.82	63	1140274	21.36 ug/L	99
20) Vinyl acetate	8.96	43	597845	25.87 ug/L	99
21) n-Hexane	9.33	86	126591	21.97 ug/L	90
22) 2-Butanone (MEK)	9.35	72	31778	21.97 ug/L #	92
23) Diisopropylether (DIPE)	9.36	45	2164940	22.77 ug/L	99
24) cis-1,2-dichloroethene	9.55	96	660479	22.17 ug/L	99
25) Bromochloromethane	9.77	128	234449	20.59 ug/L	89
26) Chloroform	9.82	83	1166635	22.56 ug/L	99
27) 2,2-Dichloropropane	9.93	77	984987	24.66 ug/L #	70
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	1682191	25.23 ug/L	97
30) 1,2-Dichloroethane	10.66	62	753973	24.48 ug/L	97
31) 1,1,1-Trichloroethane	10.80	97	1025563	24.73 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	1171935	24.73 ug/L	97
34) 1,1-Dichloropropene	11.03	75	842265	25.86 ug/L	99
35) Carbon tetrachloride	11.27	117	872473	32.52 ug/L	99
36) Benzene	11.32	78	2147601	24.32 ug/L	97
37) Dibromomethane	12.05	93	307003	24.56 ug/L	94
38) 1,2-Dichloropropane	12.09	63	534319	23.14 ug/L	94
39) Trichloroethene	12.14	95	630971	25.14 ug/L	99
40) Bromodichloromethane	12.21	83	786238	26.37 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141104.D 030211.M Mon Mar 14 15:55:11 2011

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141104.D Vial: 1
Acq On : 14 Mar 2011 8:12 am Operator: NL
Sample : 25 PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

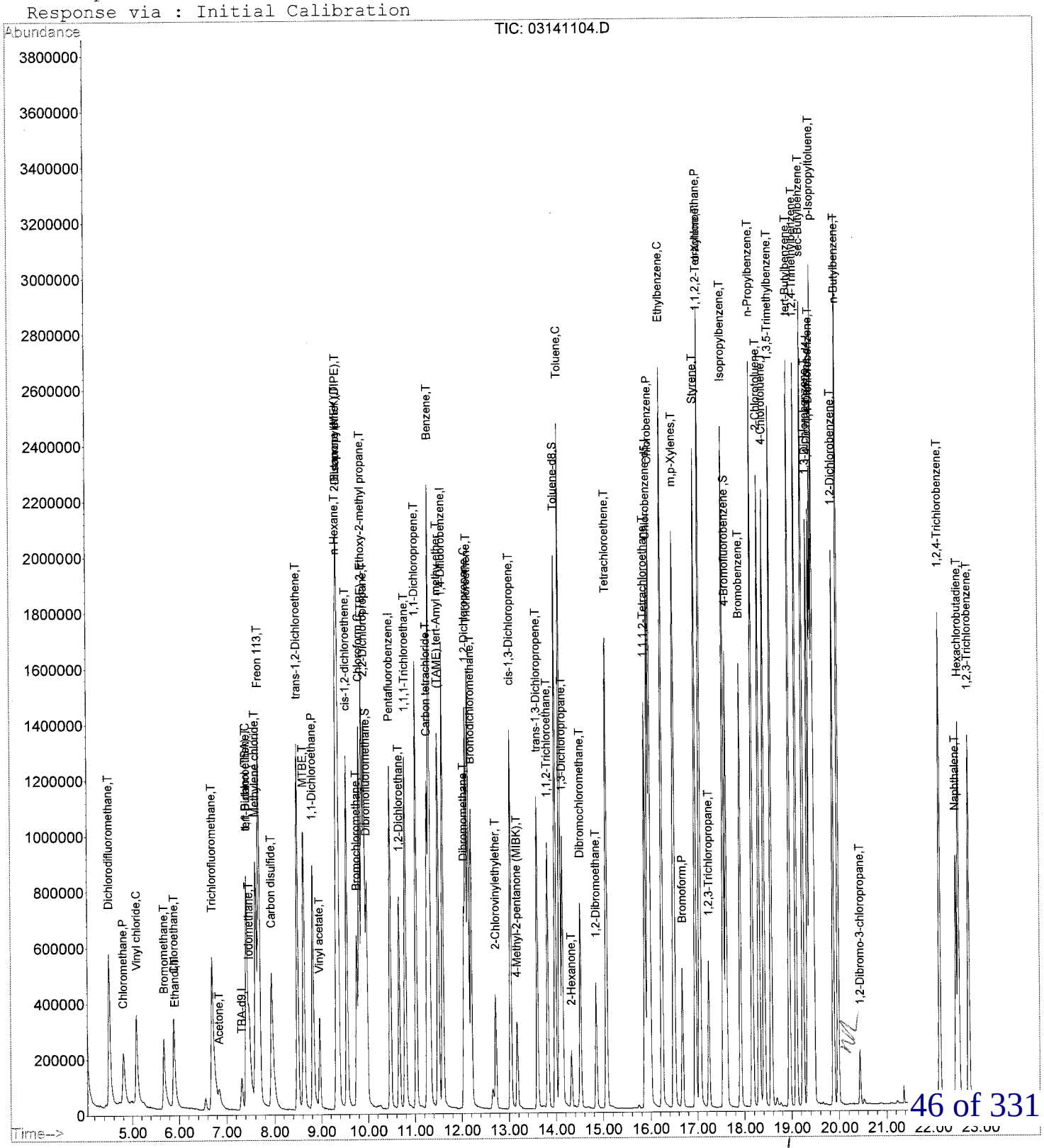
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.72	63	182011	26.63 ug/L	97
42) cis-1,3-Dichloropropene	13.04	75	837977	26.22 ug/L	95
43) 4-Methyl-2-pentanone (MIBK	13.17	43	281257	24.18 ug/L	100
44) trans-1,3-Dichloropropene	13.60	75	685856	27.12 ug/L	96
45) 1,1,2-Trichloroethane	13.82	97	364216	25.00 ug/L	97
47) Toluene	14.08	92	1241947	24.41 ug/L	99
49) 1,3-Dichloropropane	14.14	76	589257	22.24 ug/L	99
50) 2-Hexanone	14.33	43	178880	21.98 ug/L	98
51) Dibromochloromethane	14.51	129	472554	27.07 ug/L	100
52) 1,2-Dibromoethane	14.85	107	367557	24.53 ug/L	100
53) Tetrachloroethene	15.08	164	522428	25.63 ug/L	100
54) 1,1,1,2-Tetrachloroethane	15.88	131	506769	25.48 ug/L	97
55) Chlorobenzene	15.99	112	1375199	23.79 ug/L	99
56) Ethylbenzene	16.24	91	2396712	24.50 ug/L	100
57) m,p-Xylenes	16.50	106	863328	24.21 ug/L	99
58) Styrene	16.96	104	1365335	25.73 ug/L	99
59) o-Xylene	17.06	106	812743	23.51 ug/L	100
62) Bromoform	16.68	173	293758	27.88 ug/L	99
63) 1,1,2,2-Tetrachloroethane	17.04	83	321517	22.03 ug/L	98
64) 1,2,3-Trichloropropane	17.25	110	97178	24.87 ug/L	95
65) Isopropylbenzene	17.56	105	2078279	25.03 ug/L	99
66) Bromobenzene	17.92	156	566220	23.95 ug/L	97
67) n-Propylbenzene	18.17	91	2671074	24.06 ug/L	99
68) 2-Chlorotoluene	18.31	91	1648642	23.62 ug/L	99
69) 4-Chlorotoluene	18.42	91	1693734	24.36 ug/L	100
70) 1,3,5-Trimethylbenzene	18.56	105	1808622	24.33 ug/L	98
71) tert-Butylbenzene	18.96	119	1516358	25.47 ug/L	99
72) 1,2,4-Trimethylbenzene	19.10	105	1826382	24.66 ug/L	98
73) sec-Butylbenzene	19.25	105	2364886	24.43 ug/L	100
74) 1,3-Dichlorobenzene	19.35	146	989700	22.89 ug/L	99
75) 1,4-Dichlorobenzene	19.44	146	1001164	23.55 ug/L	99
76) p-Isopropyltoluene	19.47	119	1917411	25.22 ug/L	98
77) 1,2-Dichlorobenzene	19.88	146	886415	23.52 ug/L	99
78) n-Butylbenzene	19.98	91	1946681	24.75 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.44	75	51359	20.91 ug/L	99
80) 1,2,4-Trichlorobenzene	22.15	180	748650	27.34 ug/L	100
81) Naphthalene	22.49	128	884237	24.87 ug/L	99
82) Hexachlorobutadiene	22.55	225	393323	27.52 ug/L	99
83) 1,2,3-Trichlorobenzene	22.76	180	591400	26.37 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141104.D 030211.M Mon Mar 14 15:55:11 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141104.D Vial: 1
Acq On : 14 Mar 2011 8:12 am Operator: NL
Sample : 25 PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



03141104.D 030211.M Mon Mar 14 15:55:12 2011

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141105.D Vial: 2
Acq On : 14 Mar 2011 8:55 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Clean out

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.33	65	191056	200.00	ug/L	0.00
4) Pentafluorobenzene	10.47	168	1030685	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1483040	25.00	ug/L	-0.02
48) Chlorobenzene-d5	15.94	117	1307162	25.00	ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.40	152	700497	25.00	ug/L	-0.02
System Monitoring Compounds						
29) Dibromofluoromethane	9.98	113	560951	22.62	ug/L	0.00
Spiked Amount 25.000			Recovery = 90.48%			
46) Toluene-d8	13.98	98	1592172	24.87	ug/L	-0.02
Spiked Amount 25.000			Recovery = 99.48%			
60) 4-Bromofluorobenzene	17.61	95	705837	26.89	ug/L	-0.03
Spiked Amount 25.000			Recovery = 107.56%			

Target Compounds						Qvalue
2) Ethanol	5.93	45	21049	128.67	ug/L	84
3) tert-Butanol (TBA)	7.44	59	54167	38.47	ug/L #	94
8) Bromomethane	5.68	94	2158	0.97	ug/L	83
11) Acetone	6.85	43	13765	2.51	ug/L	98
12) Iodomethane	7.48	142	1328	1.06	ug/L #	45
14) Methylene chloride	7.61	84	2798	0.09	ug/L	88
20) Vinyl acetate	8.96	43	2383	0.11	ug/L #	80
22) 2-Butanone (MEK)	9.37	72	1315	0.93	ug/L #	1
35) Carbon tetrachloride	11.27	117	262	0.50	ug/L #	12
37) Dibromomethane	12.04	93	1834	0.15	ug/L #	70
43) 4-Methyl-2-pentanone (MIBK	13.17	43	9162	0.80	ug/L #	85
50) 2-Hexanone	14.32	43	9320	1.14	ug/L #	94
54) 1,1,1,2-Tetrachloroethane	15.87	131	1957	0.10	ug/L #	21
58) Styrene	16.96	104	5333	0.10	ug/L #	85
63) 1,1,2,2-Tetrachloroethane	17.05	83	3783	0.24	ug/L #	76
64) 1,2,3-Trichloropropane	17.25	110	1157	0.28	ug/L	95
66) Bromobenzene	17.93	156	3371	0.13	ug/L	89
69) 4-Chlorotoluene	18.41	91	8296	0.11	ug/L	95
72) 1,2,4-Trimethylbenzene	19.10	105	8312	0.11	ug/L	100
74) 1,3-Dichlorobenzene	19.35	146	8552	0.19	ug/L	97
75) 1,4-Dichlorobenzene	19.44	146	8584	0.19	ug/L #	65
76) p-Isopropyltoluene	19.47	119	7770	0.10	ug/L #	86
77) 1,2-Dichlorobenzene	19.87	146	7704	0.19	ug/L	95
78) n-Butylbenzene	19.98	91	11008	0.13	ug/L	93
79) 1,2-Dibromo-3-chloropropan	20.43	75	2560	0.98	ug/L #	76
80) 1,2,4-Trichlorobenzene	22.15	180	20054	0.69	ug/L	97
81) Naphthalene	22.49	128	71714	1.89	ug/L	97
82) Hexachlorobutadiene	22.55	225	6015	0.39	ug/L #	83
83) 1,2,3-Trichlorobenzene	22.76	180	31593	1.32	ug/L	97

NL 3/15/11

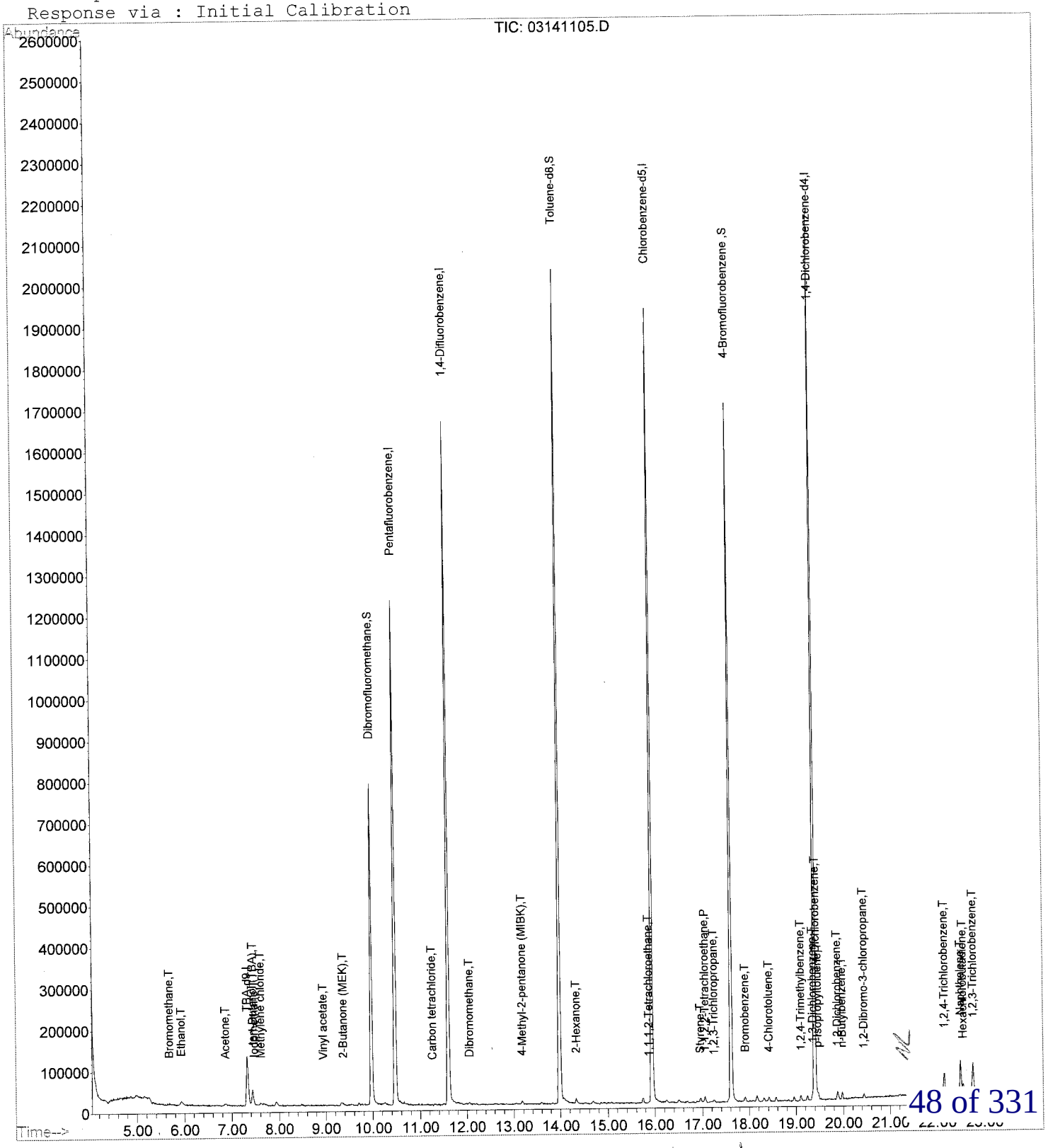
(#) = qualifier out of range (m) = manual integration
03141105.D 030211.M Mon Mar 14 15:55:19 2011

3/16/11

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141105.D Vial: 2
Acq On : 14 Mar 2011 8:55 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



03141105.D 030211.M Mon Mar 14 15:55:20 2011

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141106.D Vial: 3
Acq On : 14 Mar 2011 9:28 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

clean out

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.32	65	174019	200.00	ug/L	0.00
4) Pentafluorobenzene	10.47	168	979911	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1374149	25.00	ug/L	-0.02
48) Chlorobenzene-d5	15.94	117	1194878	25.00	ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	670402	25.00	ug/L	-0.03
System Monitoring Compounds						
29) Dibromofluoromethane	9.98	113	522154	22.14	ug/L	0.00
Spiked Amount 25.000			Recovery	=	88.56%	
46) Toluene-d8	13.98	98	1462696	24.66	ug/L	-0.02
Spiked Amount 25.000			Recovery	=	98.64%	
60) 4-Bromofluorobenzene	17.61	95	679278	28.31	ug/L	-0.03
Spiked Amount 25.000			Recovery	=	113.24%	

Target Compounds						Qvalue
2) Ethanol	5.94	45	7086	47.56	ug/L	76
3) tert-Butanol (TBA)	7.45	59	5843	4.56	ug/L #	67
8) Bromomethane	5.55	94	735	0.93	ug/L #	3
11) Acetone	6.88	43	3473	0.67	ug/L #	75
12) Iodomethane	7.49	142	1269	1.06	ug/L #	53
16) Carbon disulfide	7.93	76	12598	Below Cal	#	76
35) Carbon tetrachloride	11.16	117	57	0.49	ug/L #	12
43) 4-Methyl-2-pentanone (MIBK	13.17	43	1345	0.13	ug/L #	49
45) 1,1,2-Trichloroethane	14.01	97	9917	0.75	ug/L #	18
49) 1,3-Dichloropropane	13.98	76	18644	0.76	ug/L #	75
50) 2-Hexanone	14.34	43	1053	0.14	ug/L #	79
79) 1,2-Dibromo-3-chloropropan	20.45	75	505	0.20	ug/L #	16
81) Naphthalene	22.49	128	8265	0.23	ug/L	97

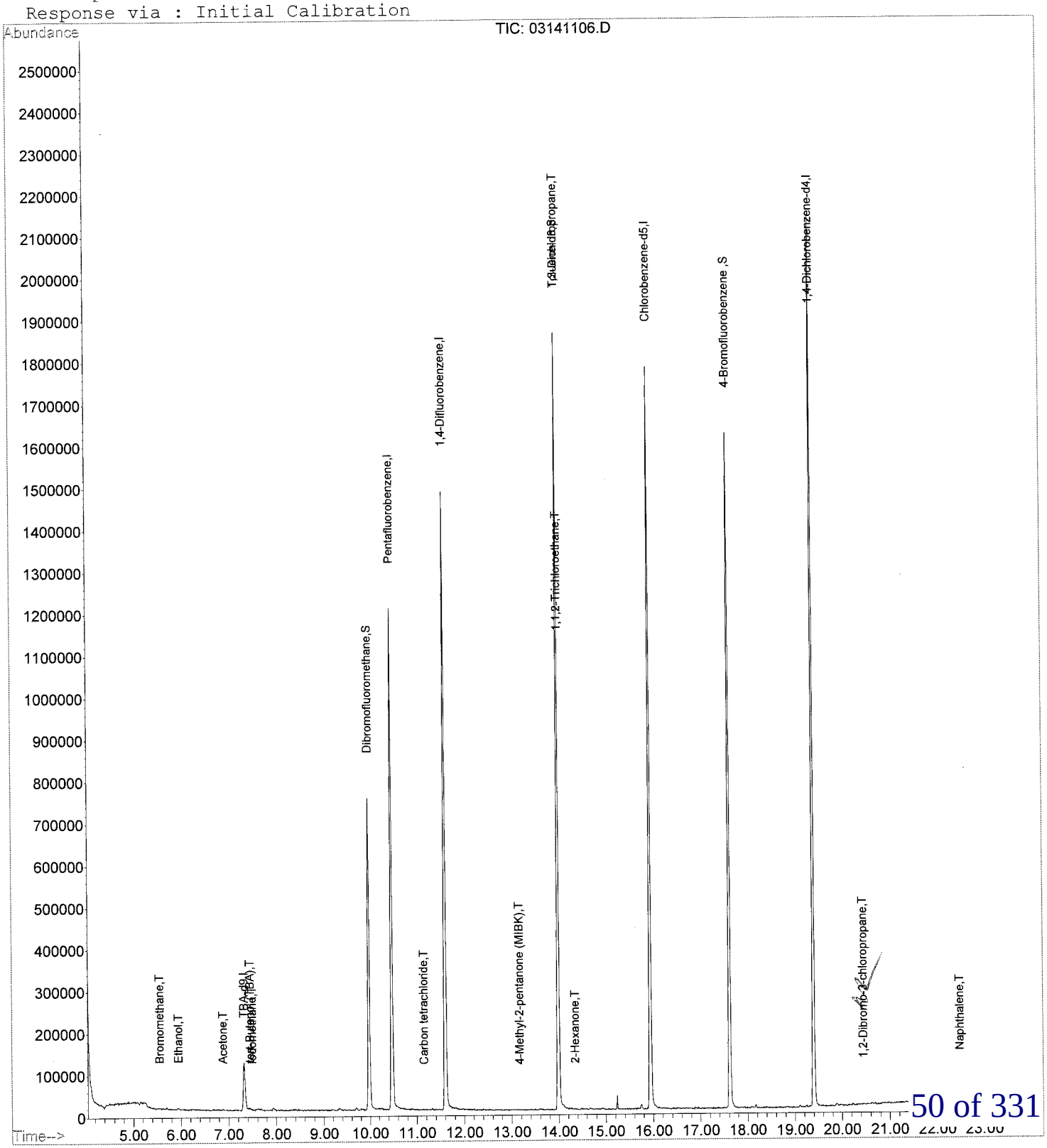
NL 3/15/11

(#) = qualifier out of range (m) = manual integration
03141106.D 030211.M Mon Mar 14 15:55:26 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141106.D Vial: 3
Acq On : 14 Mar 2011 9:28 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



03141106.D 030211.M Mon Mar 14 15:55:27 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141107.D Vial: 4
Acq On : 14 Mar 2011 10:01 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 16:02 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

MB Re-calc.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.33	65	179955	200.00 ug/L	0.02
4) Pentafluorobenzene	10.49	168	918919	25.00 ug/L	0.02
33) 1,4-Difluorobenzene	11.61	114	1336921	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.96	117	1162538	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.42	152	629094	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	498692	23.67 ug/L	0.02
Spiked Amount 25.000			Recovery	= 94.68%	
46) Toluene-d8	14.00	98	1410007	23.91 ug/L	0.00
Spiked Amount 25.000			Recovery	= 95.64%	
60) 4-Bromofluorobenzene	17.63	95	645623	25.18 ug/L	0.00
Spiked Amount 25.000			Recovery	= 100.72%	

Target Compounds					Qvalue
2) Ethanol	5.93	45	2010	28.02 ug/L	76 NSM
3) tert-Butanol (TBA)	7.45	59	992	Below Cal #	78 ND
8) Bromomethane	5.70	94	683	0.87 ug/L #	64 NSM
11) Acetone	6.87	43	2811	0.62 ug/L	95 ND
12) Iodomethane	7.53	142	515	1.81 ug/L #	94 NSM
16) Carbon disulfide	7.94	76	10986	0.18 ug/L #	82 LRL
32) (TAME) tert-Amyl methy eth	11.61	73	19307	0.44 ug/L #	39 WRT
43) 4-Methyl-2-pentanone (MIBK	13.22	43	1016	0.10 ug/L #	58 ND
45) 1,1,2-Trichloroethane	14.02	97	17572	1.26 ug/L #	16 WRT
49) 1,3-Dichloropropane	14.00	76	17281	0.76 ug/L #	61 L
50) 2-Hexanone	14.37	43	725	0.10 ug/L #	73 ND
59) o-Xylene	17.07	106	118	Below Cal #	1 L
79) 1,2-Dibromo-3-chloropropan	20.48	75	287	0.13 ug/L #	1 ND

3/15/11

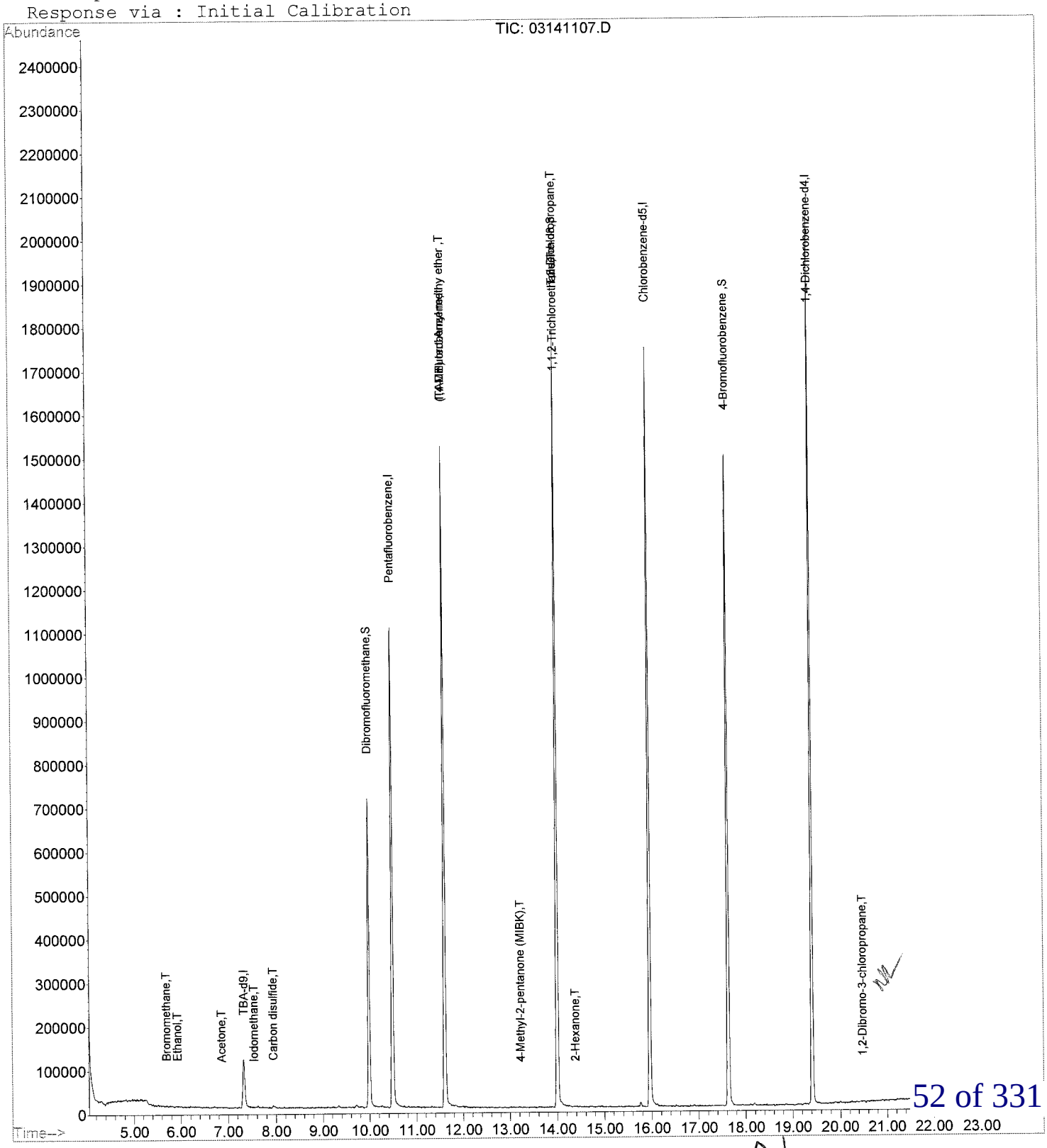
(#) = qualifier out of range (m) = manual integration
03141107.D 031411.M Tue Mar 15 16:02:16 2011

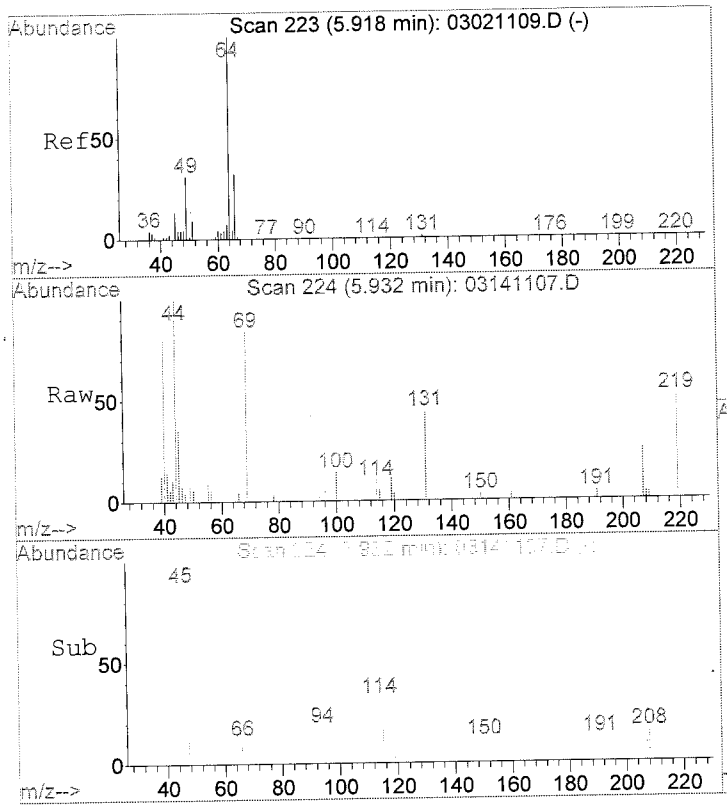
3/15/11

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141107.D Vial: 4
Acq On : 14 Mar 2011 10:01 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 16:02 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration

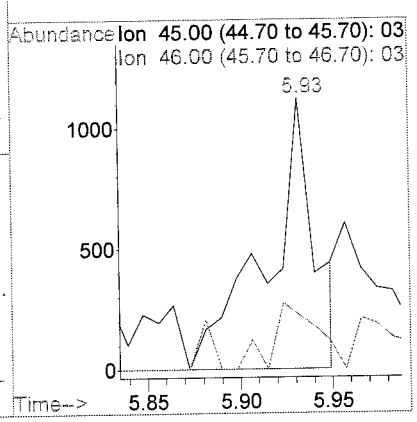


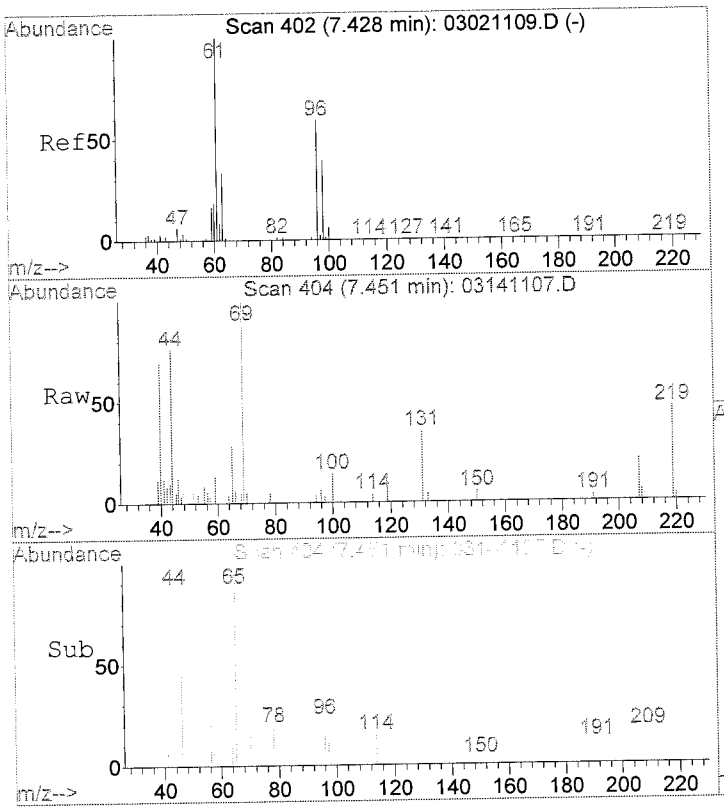


#2
Ethanol
Concen: 28.02 ug/L
RT: 5.93 min Scan# 224
Delta R.T. 0.03 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 45 Resp: 2010

Ion	Ratio	Lower	Upper
45	100		
46	22.9	17.5	57.5

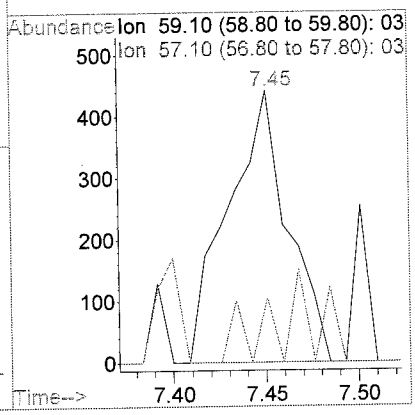


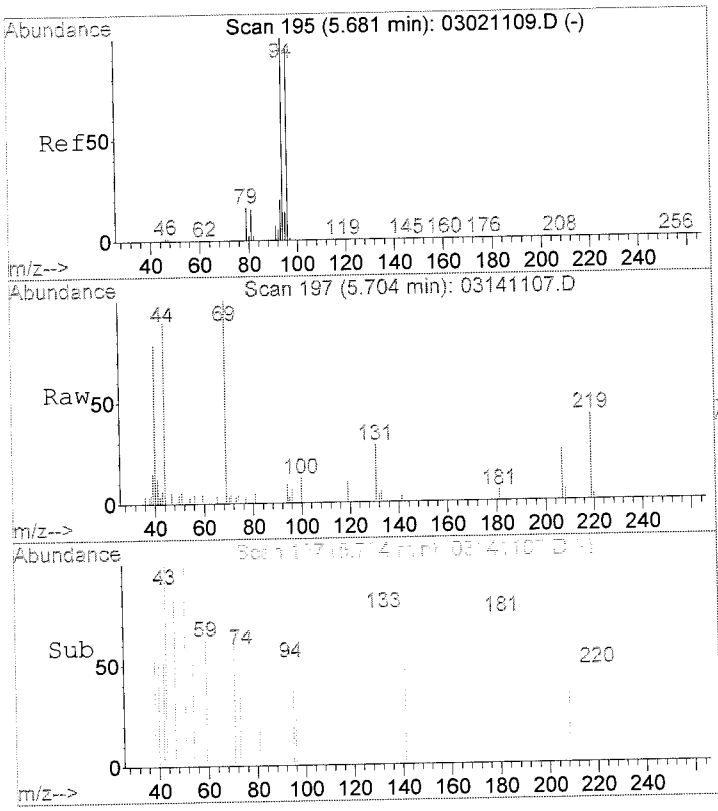


#3
tert-Butanol (TBA)
Concen: Below Cal
RT: 7.45 min Scan# 404
Delta R.T. 0.03 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 59 Resp: 992

Ion	Ratio	Lower	Upper
59	100		
57	13.9	5.0	7.6#



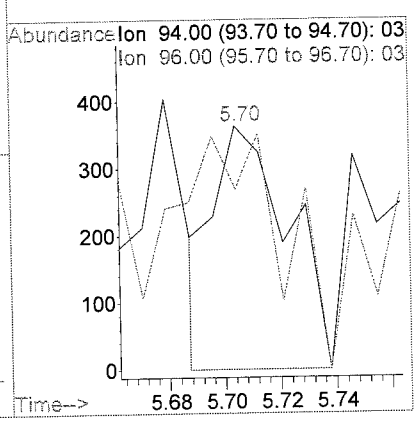


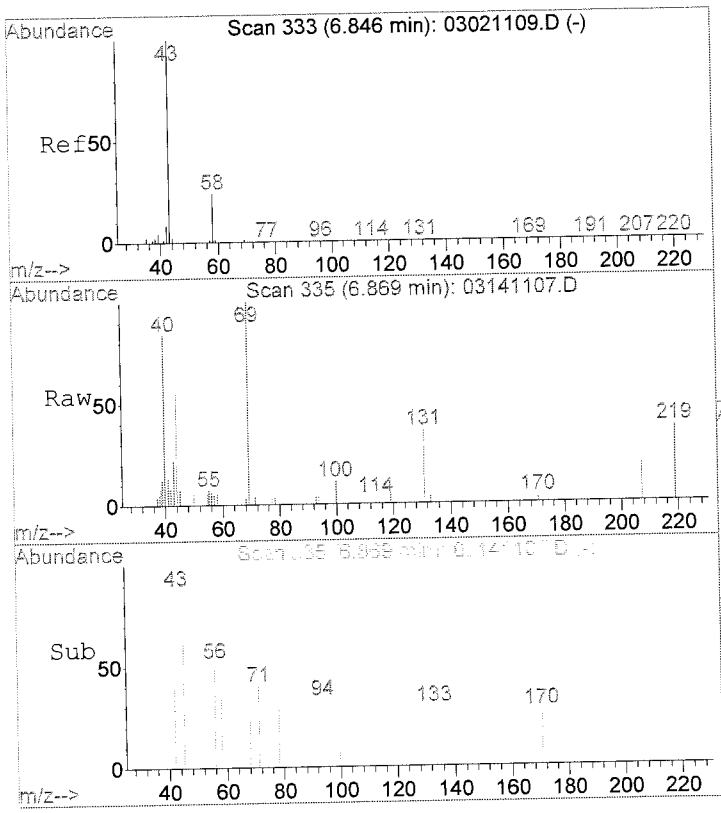
#8
Bromomethane
Concen: 0.87 ug/L
RT: 5.70 min Scan# 197
Delta R.T. 0.04 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 94 Resp: 683

Ion	Ratio	Lower	Upper
94	100		
96	135.7	79.5	119.3#

NSM



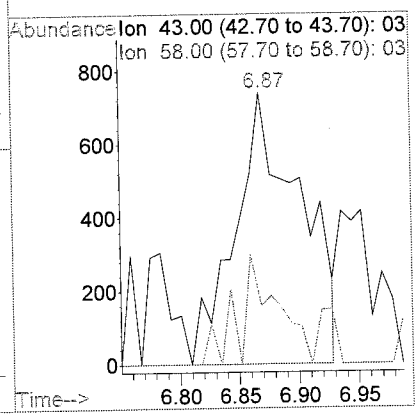


#11
Acetone
Concen: 0.62 ug/L
RT: 6.87 min Scan# 335
Delta R.T. 0.04 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

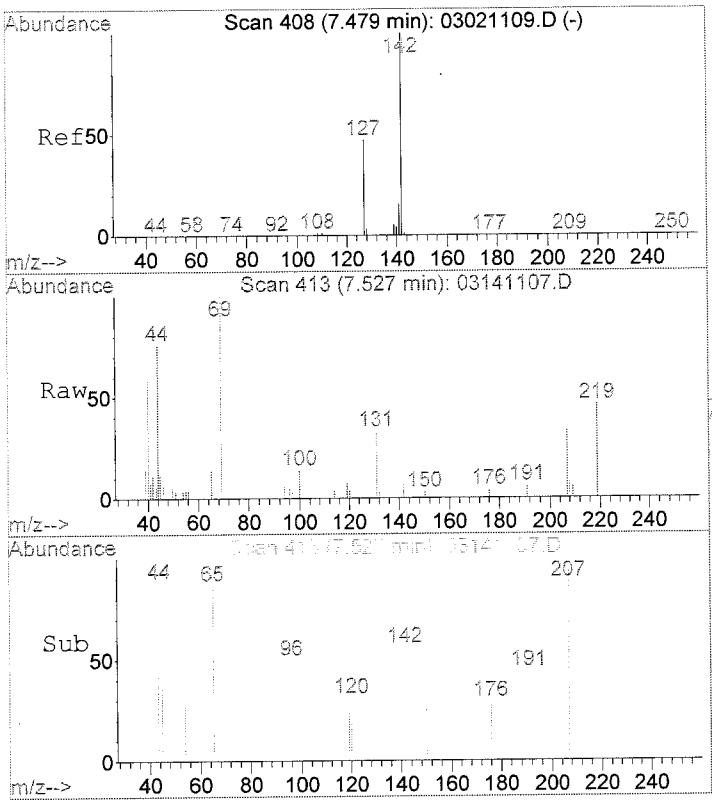
Tgt Ion: 43 Resp: 2811

Ion	Ratio	Lower	Upper
43	100		
58	23.9	17.0	25.6

ND



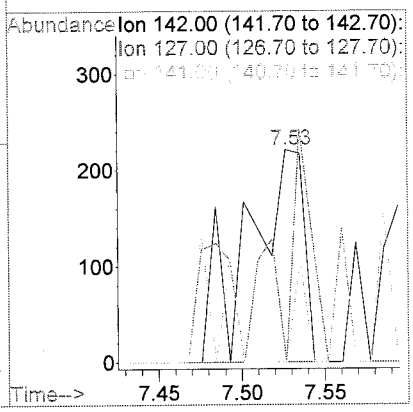
NL

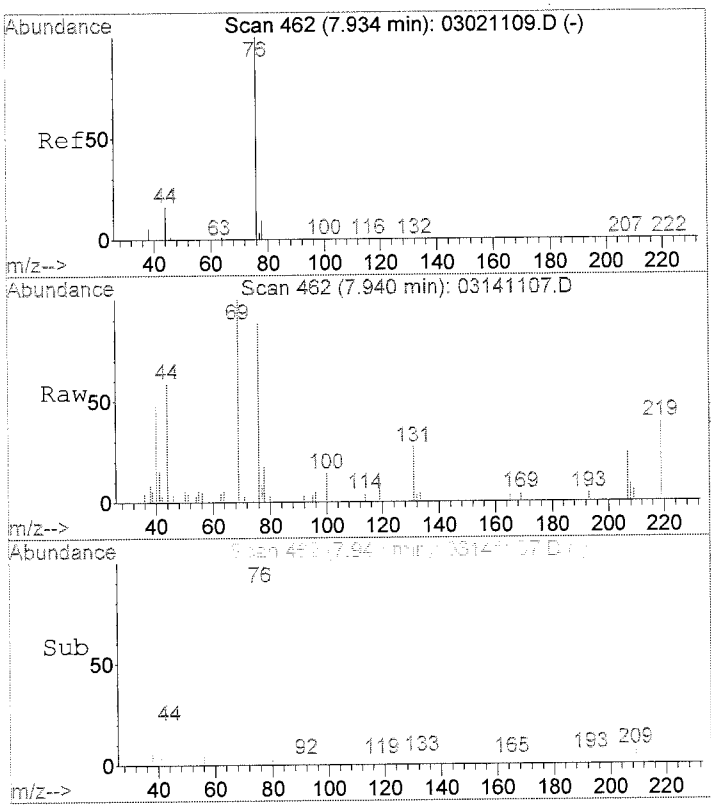


#12
Iodomethane
Concen: 1.81 ug/L
RT: 7.53 min Scan# 413
Delta R.T. 0.07 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion:142 Resp: 515

Ion	Ratio	Lower	Upper
142	100		
127	58.3	44.9	67.3
141	10.3	13.1	19.7#

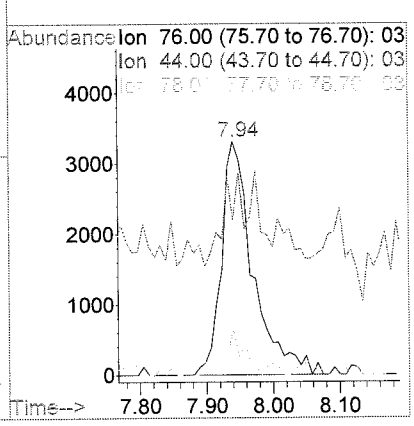


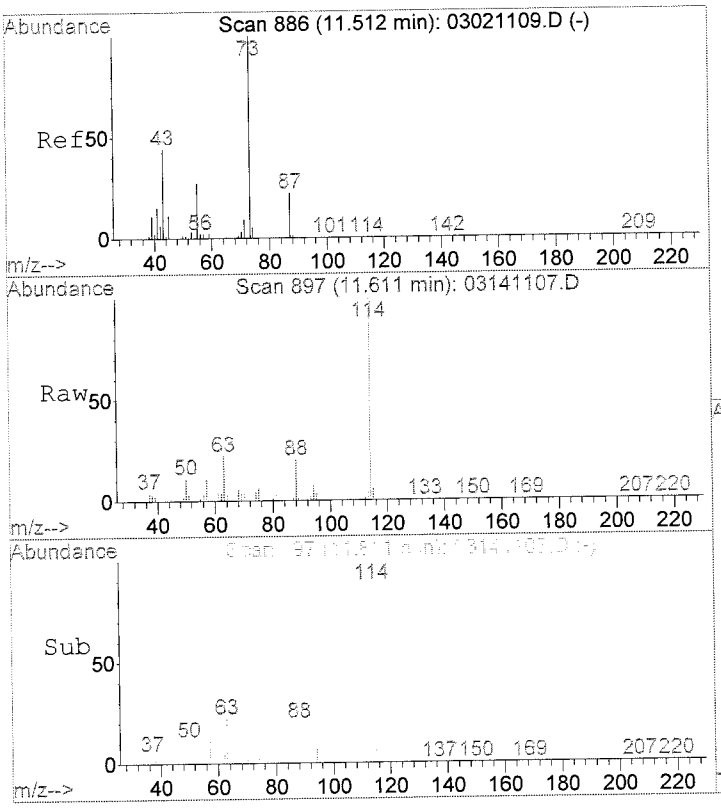


#16
Carbon disulfide
Concen: 0.18 ug/L
RT: 7.94 min Scan# 462
Delta R.T. 0.02 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 76 Resp: 10986

Ion	Ratio	Lower	Upper
76	100		
44	29.1	15.0	22.4#
78	11.8	7.2	10.8#

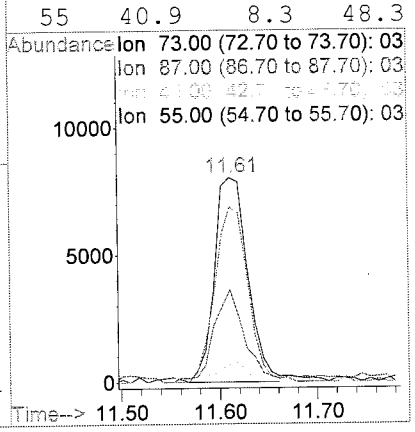


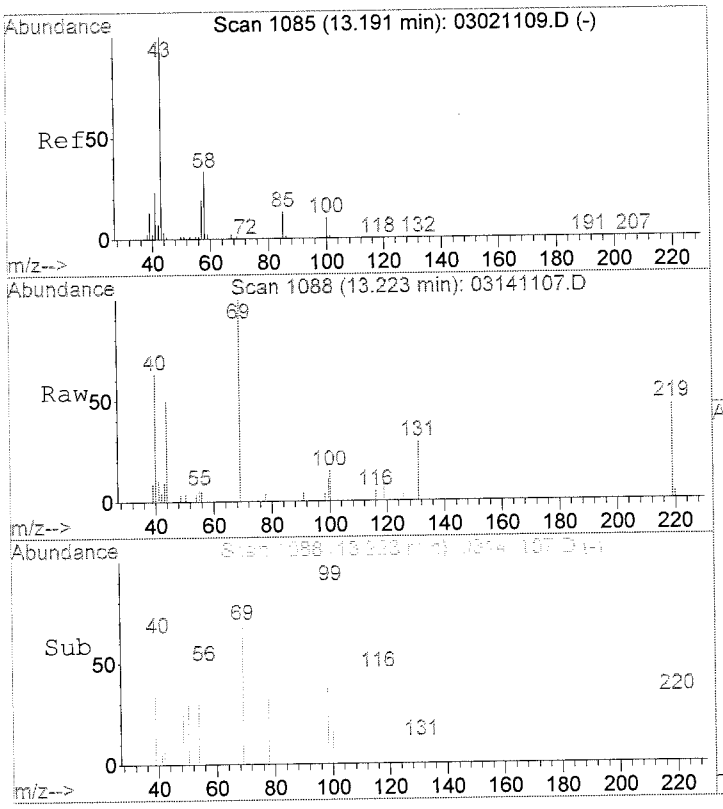


#32
(TAME) tert-Amyl methy ether
Concen: 0.44 ug/L
RT: 11.61 min Scan# 897
Delta R.T. 0.11 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 73 Resp: 19307

Ion	Ratio	Lower	Upper
73	100		
87	83.3	4.2	44.2#
43	10.9	26.6	66.6#
55	40.9	8.3	48.3

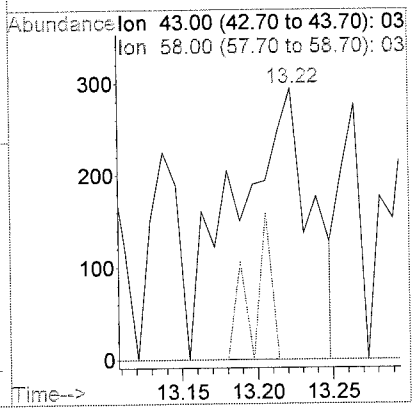


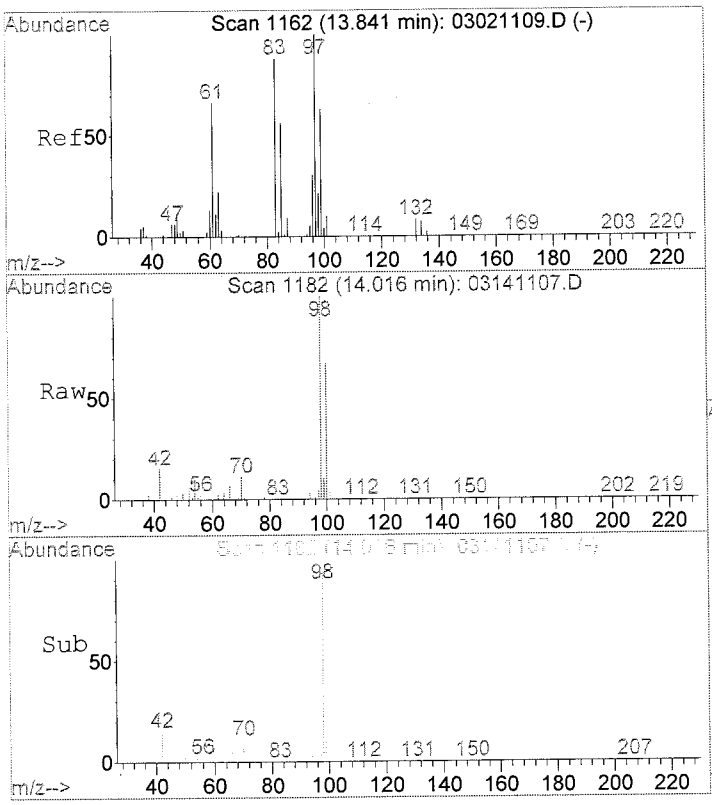


#43
4-Methyl-2-pentanone (MIBK)
Concen: 0.10 ug/L
RT: 13.22 min Scan# 1088
Delta R.T. 0.05 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 43 Resp: 1016

Ion	Ratio	Lower	Upper
43	100		
58	7.9	24.9	37.3#



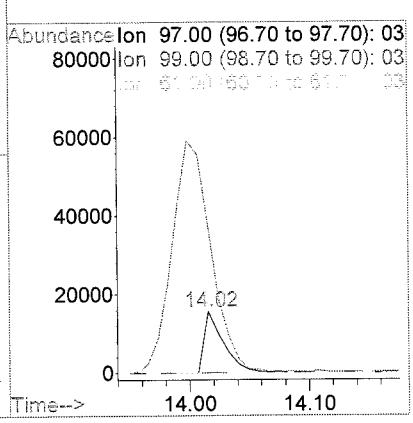


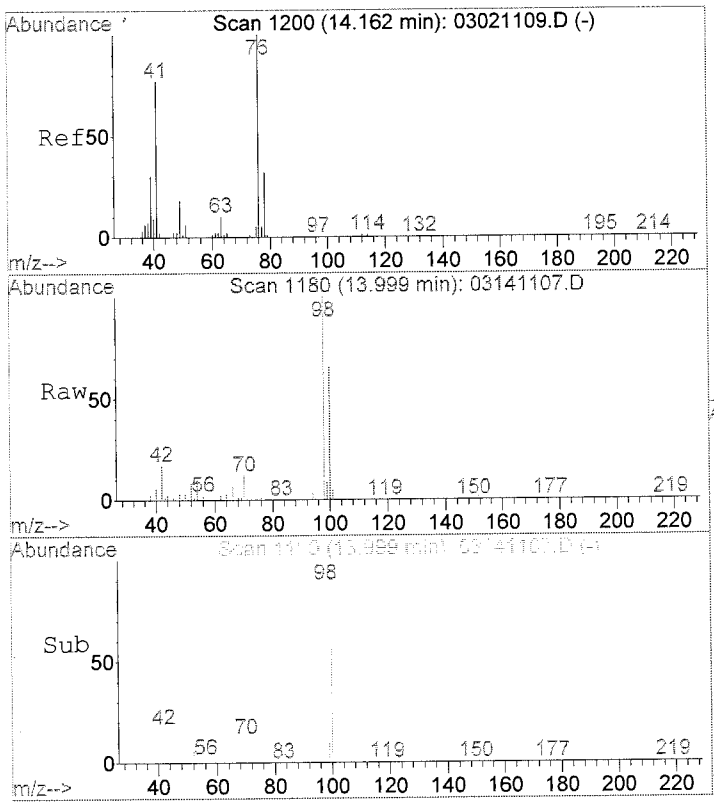
#45
1,1,2-Trichloroethane
Concen: 1.26 ug/L
RT: 14.02 min Scan# 1182
Delta R.T. 0.19 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 97 Resp: 17572

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	76.0#
61	1.1	60.0	90.0#

WRT



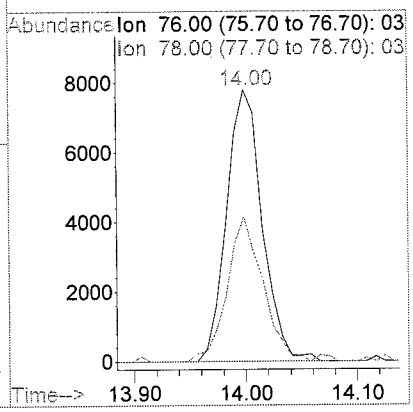


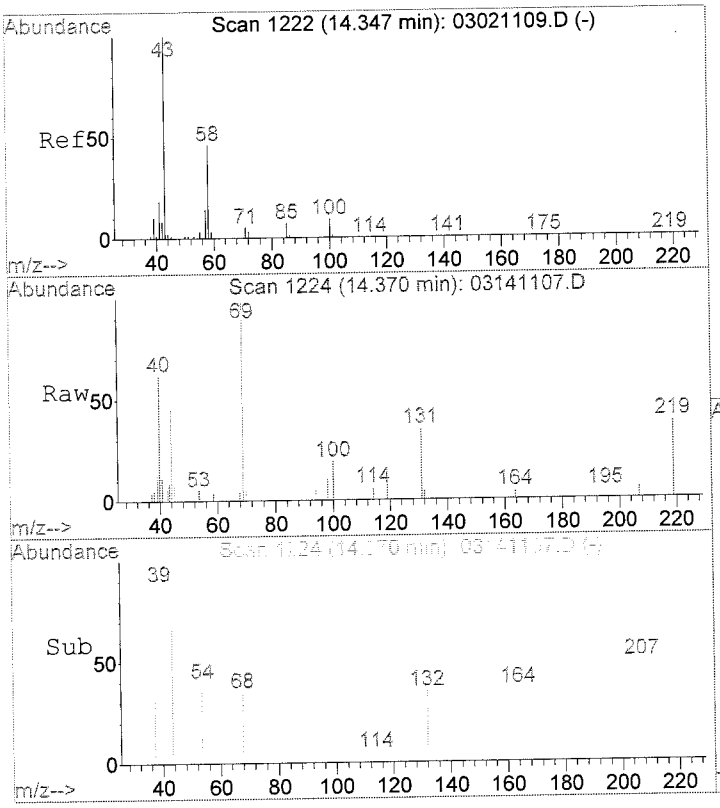
#49
1,3-Dichloropropane
Concen: 0.76 ug/L
RT: 14.00 min Scan# 1180
Delta R.T. -0.14 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 76 Resp: 17281

Ion	Ratio	Lower	Upper
76	100		
78	53.0	25.0	37.6#

WRT

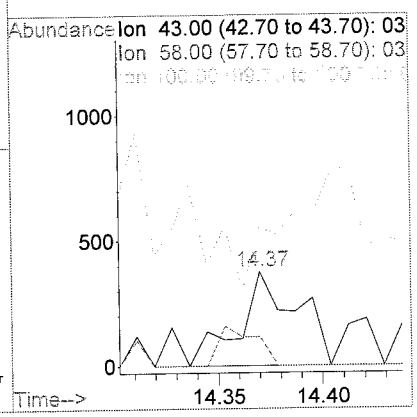




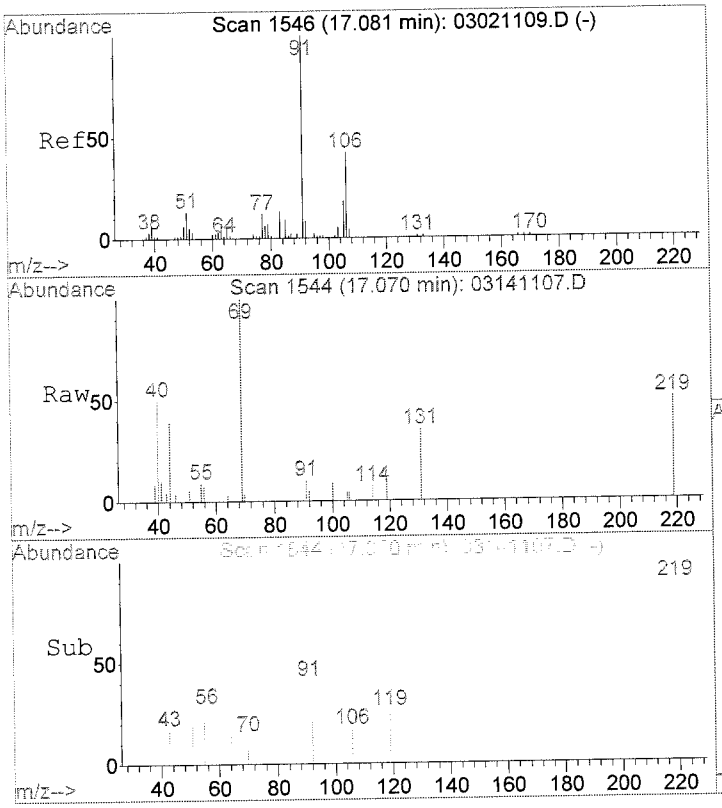
#50
2-Hexanone
Concen: 0.10 ug/L
RT: 14.37 min Scan# 1224
Delta R.T. 0.04 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 43 Resp: 725

Ion	Ratio	Lower	Upper
43	100		
58	27.2	35.7	53.5#
100	0.0	7.8	11.6#



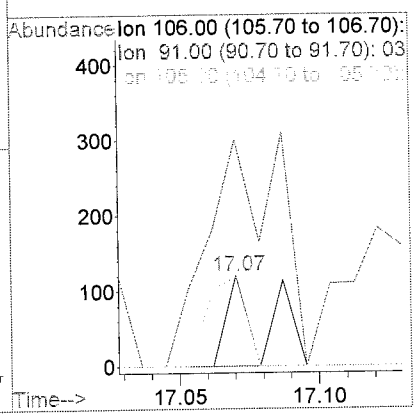
ND



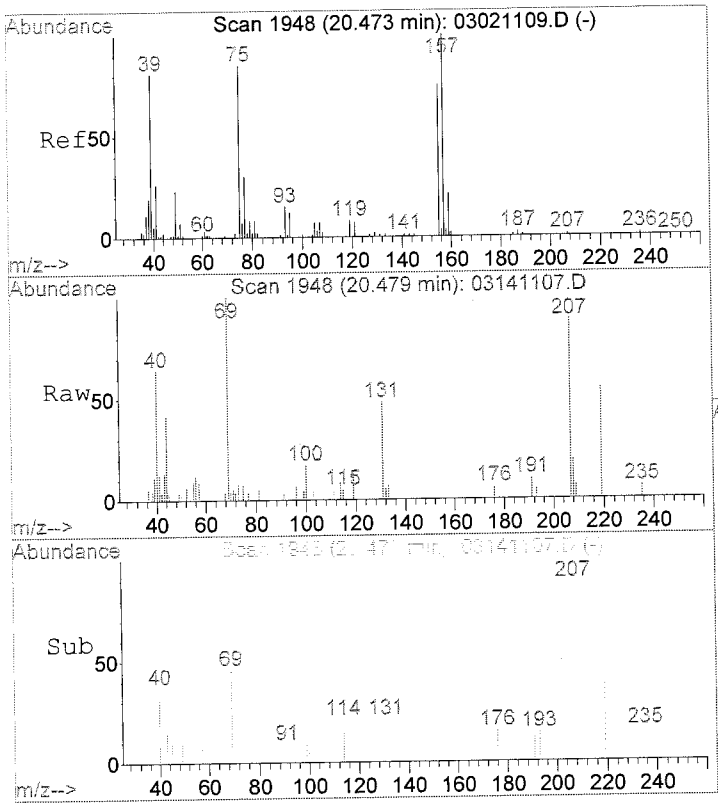
#59
o-Xylene
Concen: Below Cal
RT: 17.07 min Scan# 1544
Delta R.T. 0.01 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion:106 Resp: 118

Ion	Ratio	Lower	Upper
106	100		
91	502.5	222.7	262.7#
105	94.1	22.9	62.9#



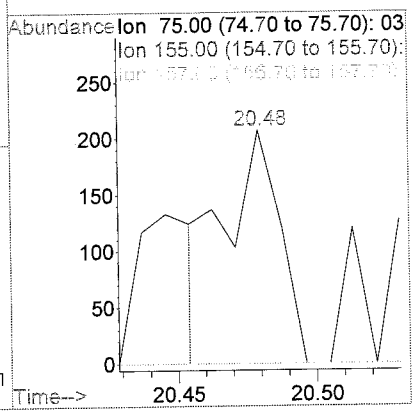
ND



#79
1,2-Dibromo-3-chloropropane
Concen: 0.13 ug/L
RT: 20.48 min Scan# 1948
Delta R.T. 0.03 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 75 Resp: 287

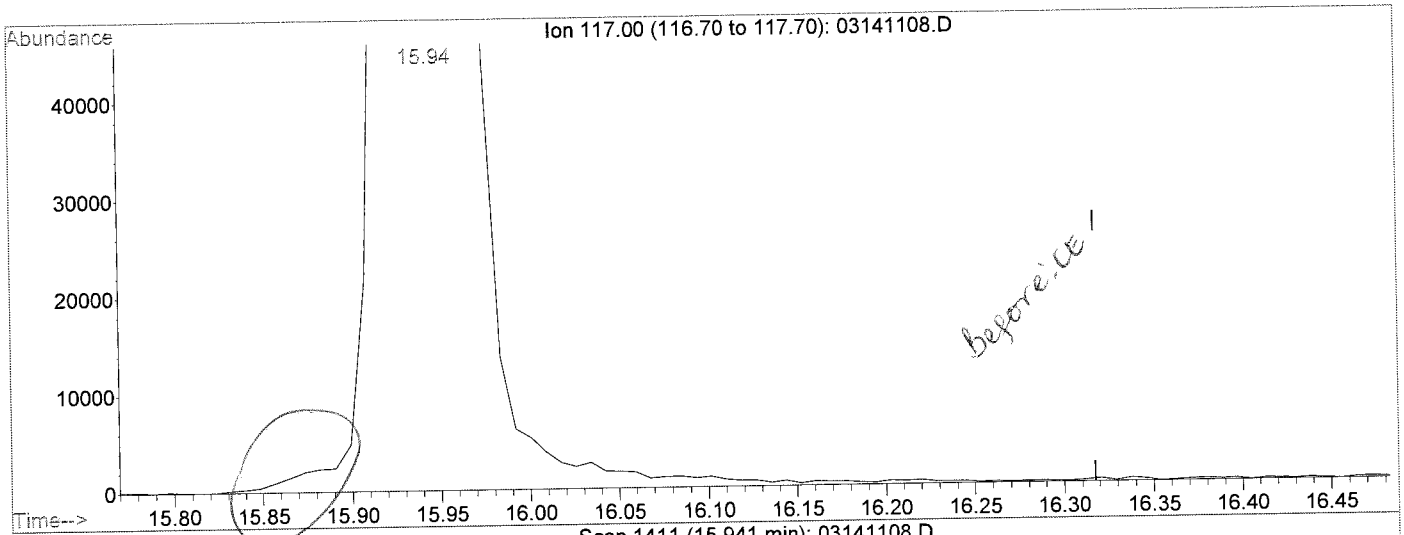
Ion	Ratio	Lower	Upper
75	100		
155	0.0	67.3	100.9#
157	0.0	89.6	134.4#

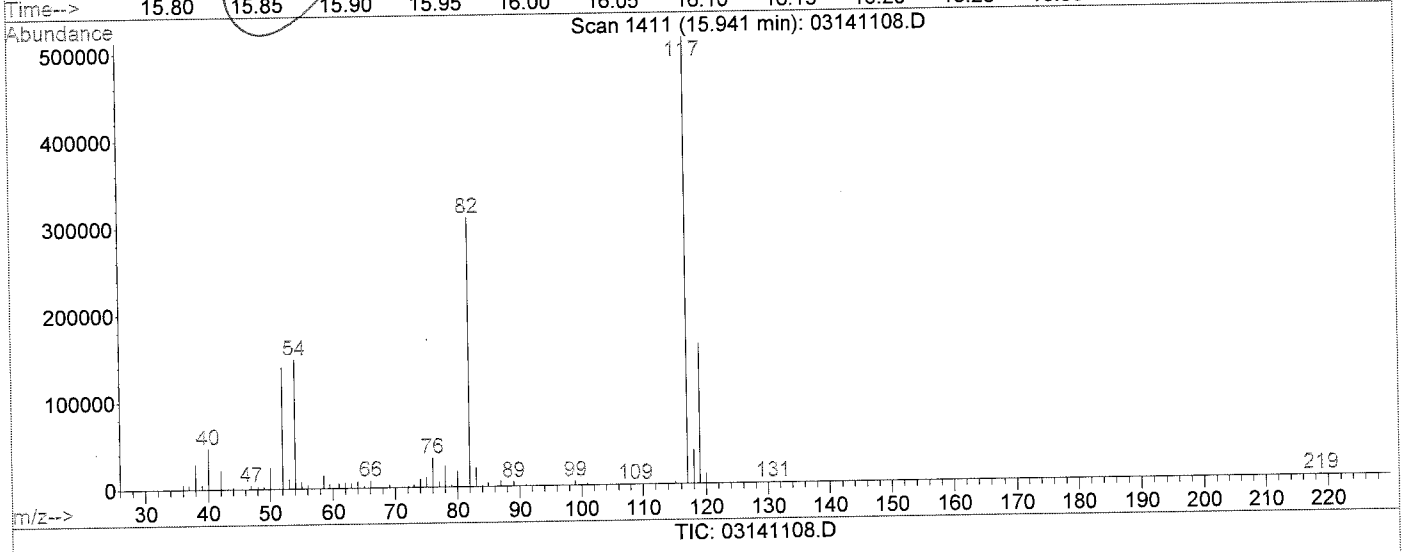


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(48) Chlorobenzene-d5 (I)

15.94min 25.00ug/L

response 1123564

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

NL 3/15/11

NR

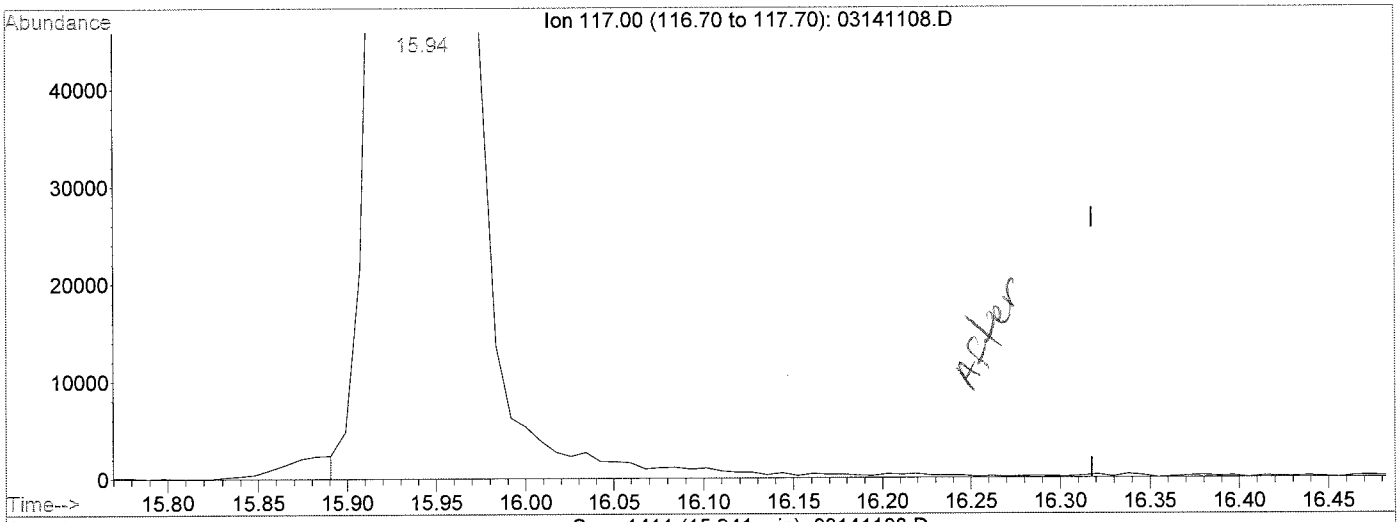
NL 3/16/11

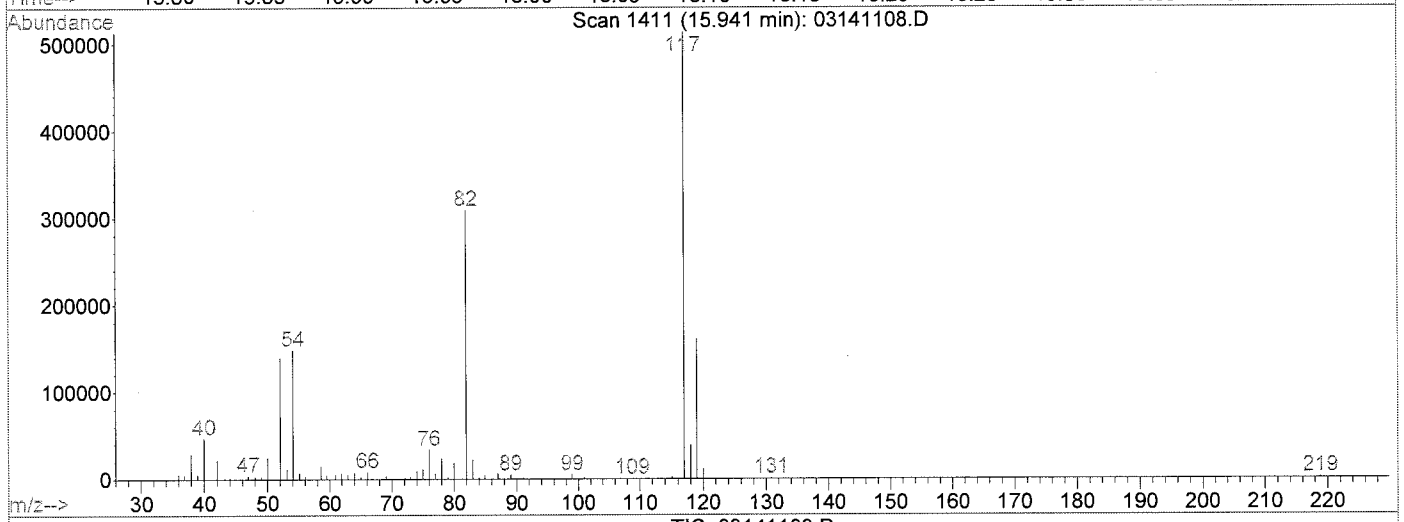
03141108.D 030211.M Mon Mar 14 15:56:33 2011

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:56 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(48) Chlorobenzene-d5 (I)

15.94min 25.00ug/L m

response 1118486

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

NL

03141108.D 030211.M Mon Mar 14 15:56:38 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:56 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.33	65	155823	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	879567	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1296569	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.94	117	1118486m	25.00 ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	624163	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	494871	23.38 ug/L	0.00
Spiked Amount 25.000			Recovery =	93.52%	
46) Toluene-d8	13.99	98	1396217	24.95 ug/L	0.00
Spiked Amount 25.000			Recovery =	99.80%	
60) 4-Bromofluorobenzene	17.62	95	632523	28.17 ug/L	-0.03
Spiked Amount 25.000			Recovery =	112.68%	

Target Compounds					Qvalue
2) Ethanol	0.00	45	0	N.D. d	
3) tert-Butanol (TBA)	0.00	59	0	N.D. d	
5) Dichlorodifluoromethane	4.51	85	16104	0.47 ug/L	98
6) Chloromethane	4.80	50	9667	0.32 ug/L	88
7) Vinyl chloride	5.10	62	9208	0.44 ug/L #	62
8) Bromomethane	5.68	94	5429	1.11 ug/L	92
9) Chloroethane	5.89	64	7629	0.39 ug/L #	90
10) Trichlorofluoromethane	6.70	101	19285	0.51 ug/L	92
11) Acetone	0.00	43	0	N.D. d	
12) Iodomethane	7.48	142	2632	1.12 ug/L #	88
13) 1,1-Dichloroethene	7.42	96	10971	0.52 ug/L	89
14) Methylene chloride	7.61	84	13077	0.51 ug/L	98
15) Freon 113	7.68	101	12975	0.52 ug/L	97
16) Carbon disulfide	7.94	76	33782	0.33 ug/L	96
17) trans-1,2-Dichloroethene	8.50	96	11772	0.51 ug/L	95
18) MTBE	8.63	73	19900	0.51 ug/L	99
19) 1,1-Dichloroethane	8.82	63	20504	0.46 ug/L	94
20) Vinyl acetate	8.97	43	9755	0.50 ug/L	97
21) n-Hexane	9.34	86	2173	0.45 ug/L	83
22) 2-Butanone (MEK)	9.37	72	707	0.58 ug/L #	47
23) Diisopropylether (DIPE)	9.37	45	37882	0.48 ug/L	93
24) cis-1,2-dichloroethene	9.56	96	12547	0.50 ug/L	93
25) Bromochloromethane	9.76	128	4023	0.42 ug/L	94
26) Chloroform	9.82	83	22798	0.53 ug/L	97
27) 2,2-Dichloropropane	9.93	77	19634	0.59 ug/L	98
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	27493	0.49 ug/L	99
30) 1,2-Dichloroethane	10.66	62	13904	0.54 ug/L	91
31) 1,1,1-Trichloroethane	10.79	97	19365	0.56 ug/L	90
32) (TAME) tert-Amyl methy eth	11.50	73	19772	0.50 ug/L	94
34) 1,1-Dichloropropene	11.03	75	16108	0.58 ug/L	93
35) Carbon tetrachloride	11.27	117	15491	1.15 ug/L	93
36) Benzene	11.33	78	40638	0.54 ug/L	96
37) Dibromomethane	12.05	93	5616	0.52 ug/L	91
38) 1,2-Dichloropropane	12.09	63	9890	0.50 ug/L #	75
39) Trichloroethene	12.14	95	12969	0.60 ug/L	89
40) Bromodichloromethane	12.21	83	14786	0.58 ug/L	97

(#) = qualifier out of range (m) = manual integration
03141108.D 030211.M Mon Mar 14 15:57:08 2011

3/15/11

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:56 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

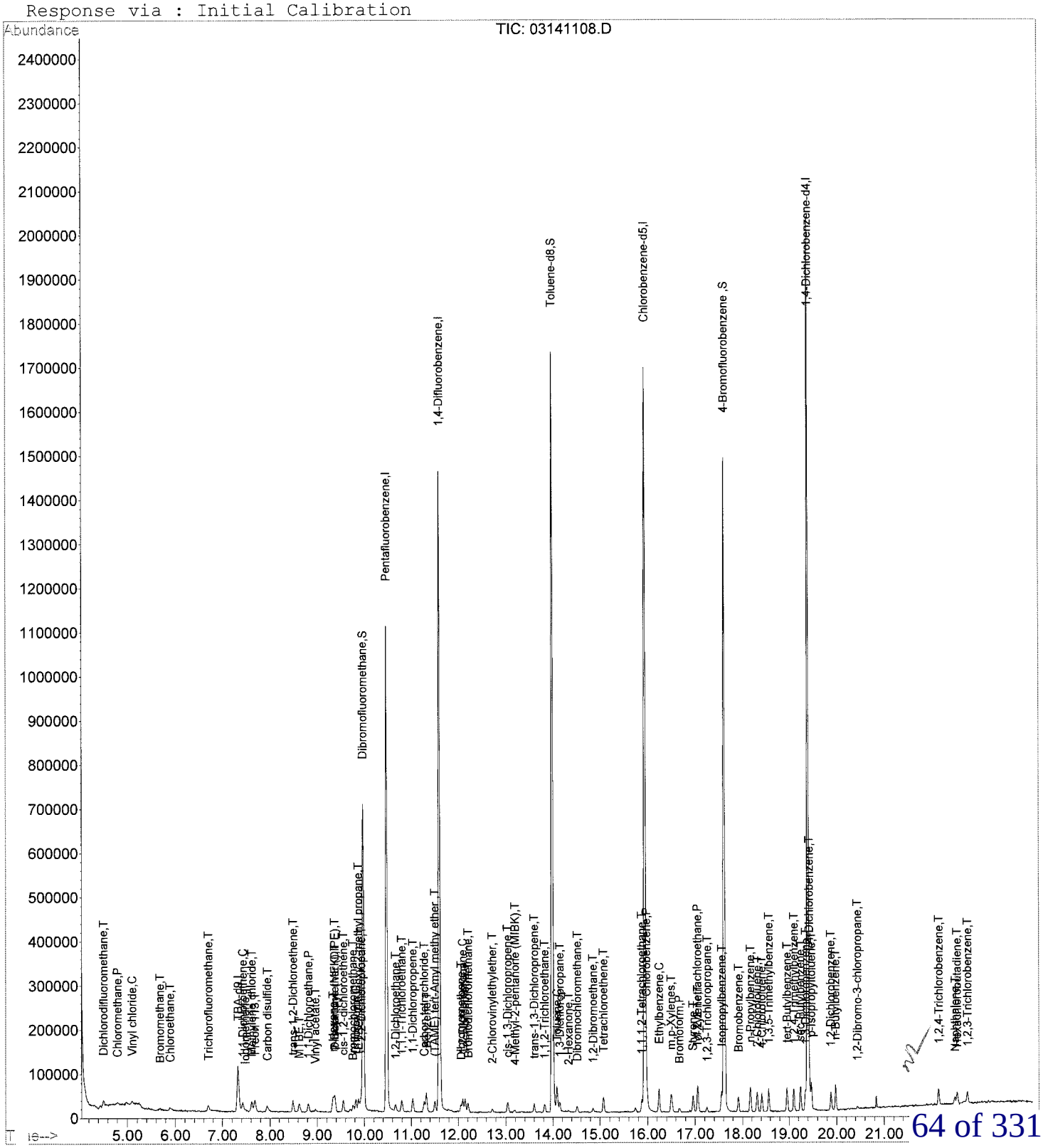
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	3181	0.54 ug/L	98
42) cis-1,3-Dichloropropene	13.04	75	14783	0.54 ug/L	89
43) 4-Methyl-2-pentanone (MIBK	13.18	43	4824	0.48 ug/L	99
44) trans-1,3-Dichloropropene	13.60	75	11216	0.52 ug/L	91
45) 1,1,2-Trichloroethane	13.82	97	6341	0.51 ug/L #	89
47) Toluene	14.08	92	23238	0.53 ug/L	93
49) 1,3-Dichloropropane	14.14	76	10638	0.47 ug/L	88
50) 2-Hexanone	14.33	43	3785	0.54 ug/L #	90
51) Dibromochloromethane	14.52	129	7965	0.53 ug/L	93
52) 1,2-Dibromoethane	14.85	107	6725	0.52 ug/L	92
53) Tetrachloroethene	15.07	164	9968	0.57 ug/L	97
54) 1,1,1,2-Tetrachloroethane	15.87	131	12849	0.75 ug/L #	47
55) Chlorobenzene	15.98	112	26010	0.52 ug/L	92
56) Ethylbenzene	16.25	91	45873	0.54 ug/L	98
57) m,p-Xylenes	16.51	106	16402	0.53 ug/L	98
58) Styrene	16.96	104	22674	0.50 ug/L	98
59) o-Xylene	17.06	106	15253	0.51 ug/L	91
62) Bromoform	16.68	173	4397	0.44 ug/L	90
63) 1,1,2,2-Tetrachloroethane	17.04	83	6485	0.47 ug/L #	91
64) 1,2,3-Trichloropropane	17.25	110	1742	0.47 ug/L	96
65) Isopropylbenzene	17.56	105	36954	0.47 ug/L	98
66) Bromobenzene	17.92	156	11055	0.49 ug/L	97
67) n-Propylbenzene	18.17	91	50276	0.48 ug/L	98
68) 2-Chlorotoluene	18.31	91	31749	0.48 ug/L	98
69) 4-Chlorotoluene	18.41	91	31263	0.47 ug/L	96
70) 1,3,5-Trimethylbenzene	18.57	105	33141	0.47 ug/L	100
71) tert-Butylbenzene	18.95	119	28395	0.50 ug/L	99
72) 1,2,4-Trimethylbenzene	19.10	105	34157	0.49 ug/L	100
73) sec-Butylbenzene	19.24	105	44712	0.49 ug/L	98
74) 1,3-Dichlorobenzene	19.35	146	19897	0.48 ug/L	92
75) 1,4-Dichlorobenzene	19.43	146	20529	0.51 ug/L	92
76) p-Isopropyltoluene	19.48	119	37737	0.52 ug/L	96
77) 1,2-Dichlorobenzene	19.88	146	17654	0.49 ug/L	96
78) n-Butylbenzene	19.97	91	34571	0.46 ug/L	100
79) 1,2-Dibromo-3-chloropropan	20.43	75	1633	0.70 ug/L #	66
80) 1,2,4-Trichlorobenzene	22.15	180	13689	0.53 ug/L	93
81) Naphthalene	22.50	128	14868	0.44 ug/L	97
82) Hexachlorobutadiene	22.55	225	6055	0.45 ug/L #	86
83) 1,2,3-Trichlorobenzene	22.76	180	10973	0.52 ug/L	98

(#) = qualifier out of range (m) = manual integration
03141108.D 030211.M Mon Mar 14 15:57:09 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:56 2011 Quant Results File: 030211.RES

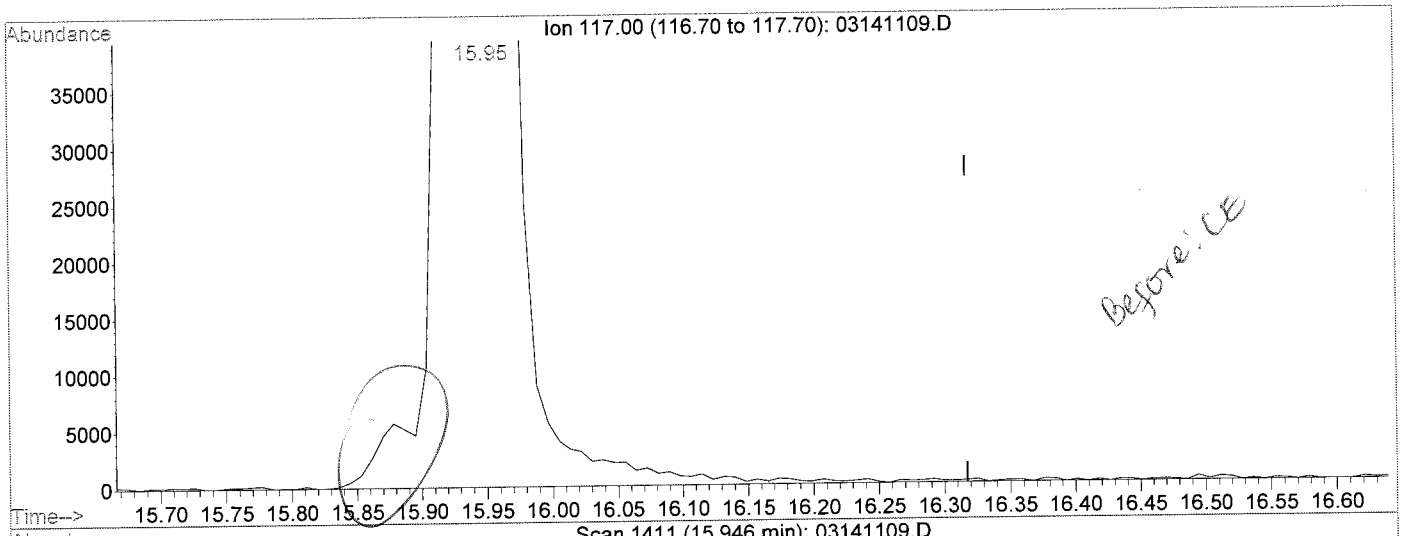
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration

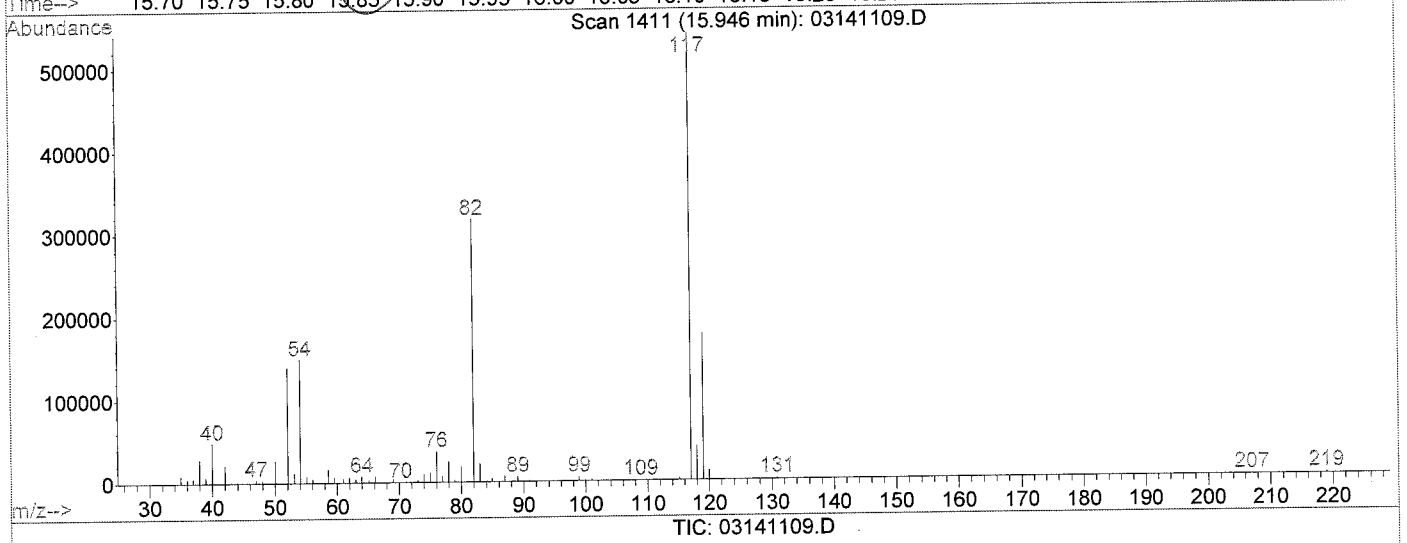


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:57 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(48) Chlorobenzene-d5 (I)

15.95min 25.00ug/L

response 1174140

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

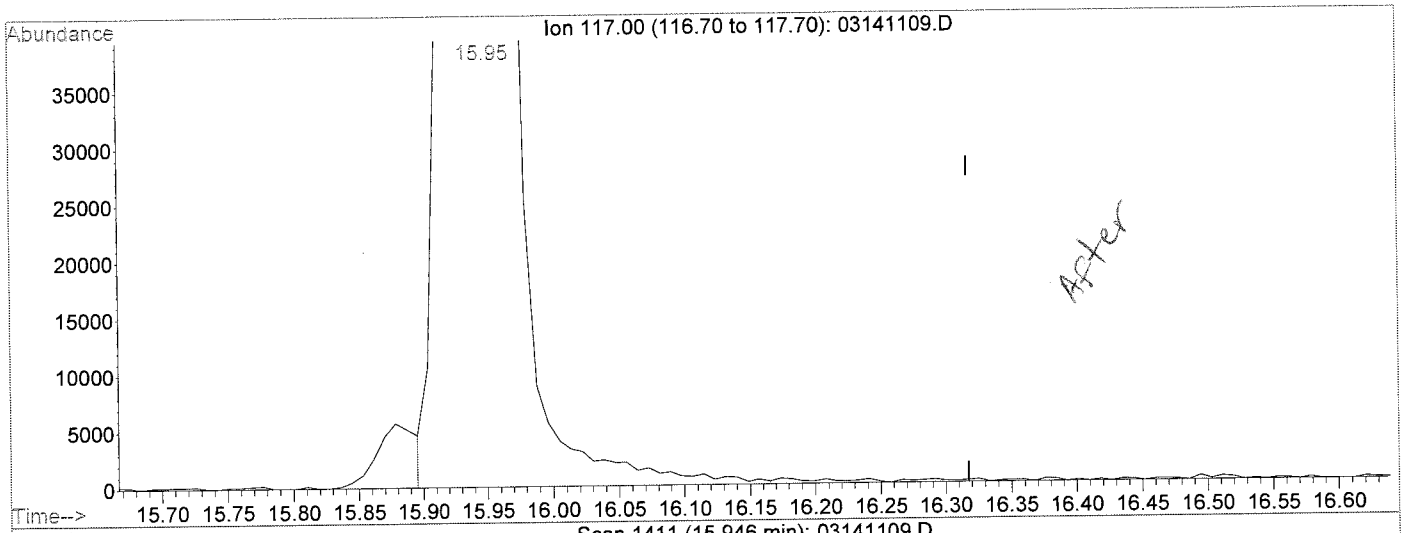
NL 3/15/11

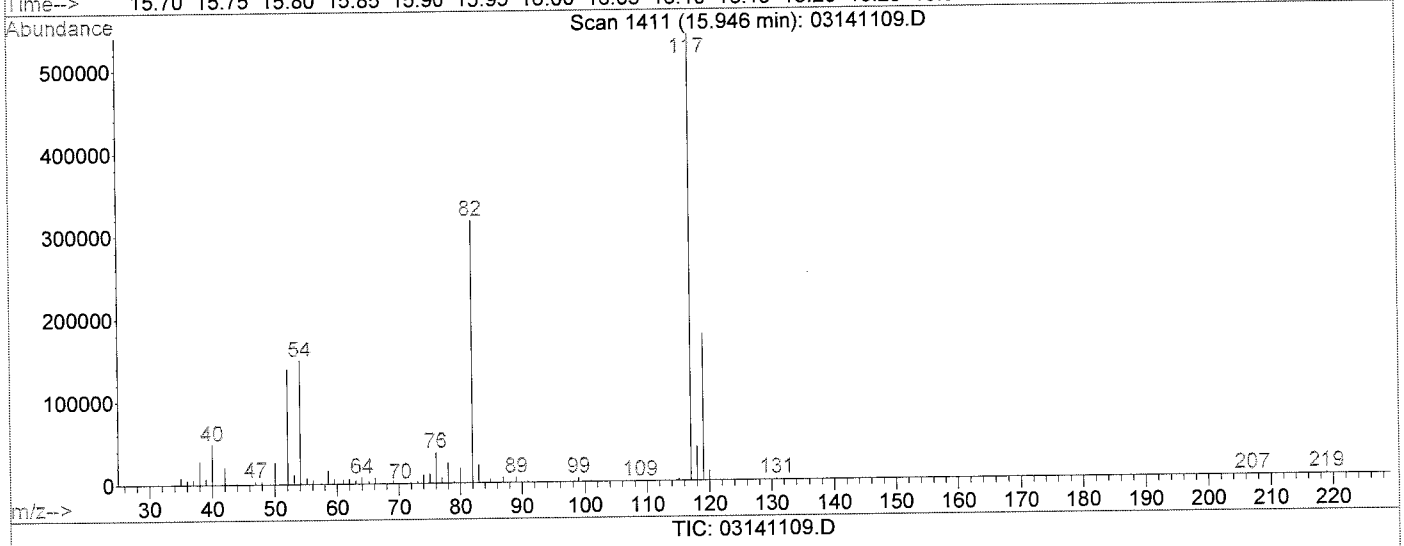
03141109.D 030211.M Mon Mar 14 15:58:03 2011

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





TIC: 03141109.D

(48) Chlorobenzene-d5 (I)

15.95min 25.00ug/L m

response 1161807

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

NL

03141109.D 030211.M Mon Mar 14 15:58:09 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.32	65	163525	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	922360	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1341500	25.00 ug/L	-0.01
48) Chlorobenzene-d5	15.95	117	1161807m	25.00 ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.40	152	656554	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	511715	23.06 ug/L	0.00
Spiked Amount 25.000			Recovery =	92.24%	
46) Toluene-d8	13.99	98	1439541	24.86 ug/L	-0.01
Spiked Amount 25.000			Recovery =	99.44%	
60) 4-Bromofluorobenzene	17.62	95	651071	27.91 ug/L	-0.03
Spiked Amount 25.000			Recovery =	111.64%	

Target Compounds					Qvalue
2) Ethanol	0.00	45	0	N.D. d	
3) tert-Butanol (TBA)	7.43	59	5161	4.28 ug/L	96
5) Dichlorodifluoromethane	4.50	85	30732	0.86 ug/L	96
6) Chloromethane	4.80	50	18061	0.56 ug/L	92
7) Vinyl chloride	5.09	62	18944	0.87 ug/L #	78
8) Bromomethane	5.69	94	10522	1.29 ug/L	94
9) Chloroethane	5.89	64	16939	0.83 ug/L	94
10) Trichlorofluoromethane	6.70	101	37937	0.96 ug/L	97
11) Acetone	6.86	43	5558	1.13 ug/L #	79
12) Iodomethane	7.47	142	8584	1.33 ug/L	95
13) 1,1-Dichloroethene	7.42	96	19437	0.88 ug/L	93
14) Methylene chloride	7.61	84	26278	0.98 ug/L	99
15) Freon 113	7.68	101	25302	0.96 ug/L	98
16) Carbon disulfide	7.94	76	60995	0.74 ug/L #	92
17) trans-1,2-Dichloroethene	8.49	96	22356	0.92 ug/L	98
18) MTBE	8.63	73	41710	1.02 ug/L	99
19) 1,1-Dichloroethane	8.82	63	44289	0.95 ug/L	98
20) Vinyl acetate	8.98	43	20648	1.02 ug/L	99
21) n-Hexane	9.32	86	4597	0.91 ug/L	80
22) 2-Butanone (MEK)	9.36	72	1170	0.92 ug/L #	85
23) Diisopropylether (DIPE)	9.36	45	87611	1.05 ug/L	97
24) cis-1,2-dichloroethene	9.55	96	24956	0.95 ug/L	96
25) Bromochloromethane	9.76	128	8986	0.90 ug/L	96
26) Chloroform	9.82	83	47855	1.05 ug/L	99
27) 2,2-Dichloropropane	9.93	77	39501	1.13 ug/L	95
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	62766	1.07 ug/L	99
30) 1,2-Dichloroethane	10.66	62	29939	1.11 ug/L	95
31) 1,1,1-Trichloroethane	10.80	97	39206	1.08 ug/L	95
32) (TAME) tert-Amyl methy eth	11.50	73	43031	1.03 ug/L	96
34) 1,1-Dichloropropene	11.03	75	31960	1.10 ug/L	97
35) Carbon tetrachloride	11.27	117	32401	1.83 ug/L	98
36) Benzene	11.32	78	81624	1.04 ug/L	95
37) Dibromomethane	12.05	93	11887	1.07 ug/L	94
38) 1,2-Dichloropropane	12.09	63	20550	1.00 ug/L #	86
39) Trichloroethene	12.14	95	25397	1.14 ug/L	97
40) Bromodichloromethane	12.21	83	30659	1.16 ug/L	100

(#) = qualifier out of range (m) = manual integration
03141109.D 030211.M Mon Mar 14 15:58:29 2011

M 4/16/11

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

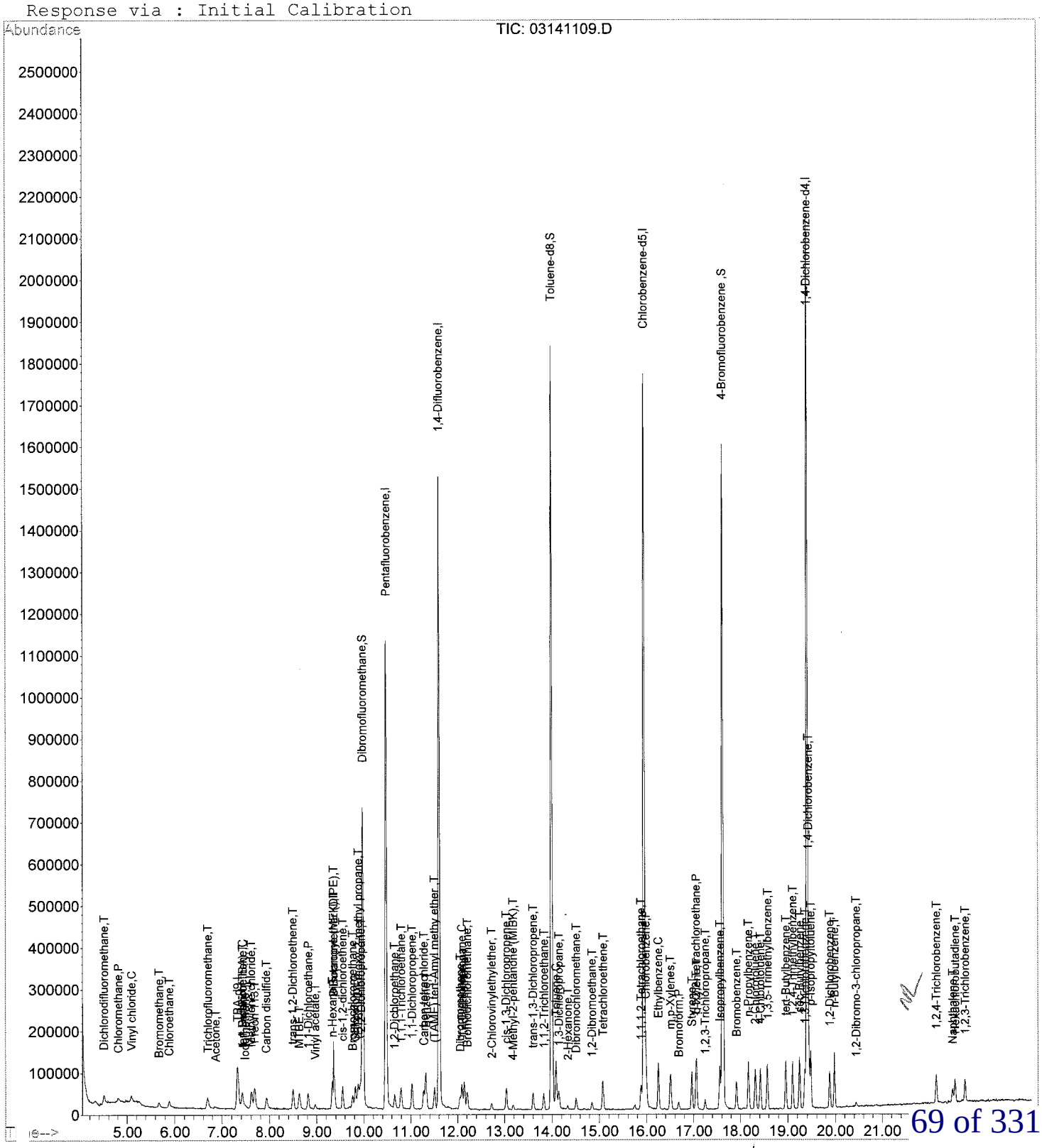
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.72	63	6316	1.04 ug/L	97
42) cis-1,3-Dichloropropene	13.03	75	30586	1.08 ug/L	92
43) 4-Methyl-2-pentanone (MIBK	13.18	43	9919	0.96 ug/L	98
44) trans-1,3-Dichloropropene	13.60	75	24804	1.10 ug/L	90
45) 1,1,2-Trichloroethane	13.83	97	13697	1.06 ug/L	92
47) Toluene	14.08	92	51724	1.14 ug/L	98
49) 1,3-Dichloropropane	14.14	76	23878	1.01 ug/L	97
50) 2-Hexanone	14.33	43	7442	1.02 ug/L #	88
51) Dibromochloromethane	14.52	129	15956	1.02 ug/L	98
52) 1,2-Dibromoethane	14.85	107	13364	1.00 ug/L	98
53) Tetrachloroethene	15.08	164	20940	1.15 ug/L	93
54) 1,1,1,2-Tetrachloroethane	15.88	131	20465	1.15 ug/L	89
55) Chlorobenzene	15.99	112	55554	1.07 ug/L #	80
56) Ethylbenzene	16.24	91	98106	1.12 ug/L	98
57) m,p-Xylenes	16.50	106	34501	1.08 ug/L	95
58) Styrene	16.96	104	50145	1.06 ug/L	97
59) o-Xylene	17.06	106	33764	1.09 ug/L	96
62) Bromoform	16.68	173	10070	0.96 ug/L	89
63) 1,1,2,2-Tetrachloroethane	17.04	83	12898	0.88 ug/L #	96
64) 1,2,3-Trichloropropane	17.25	110	3454	0.88 ug/L	94
65) Isopropylbenzene	17.56	105	83225	1.00 ug/L	99
66) Bromobenzene	17.91	156	22567	0.96 ug/L	98
67) n-Propylbenzene	18.17	91	107954	0.97 ug/L	100
68) 2-Chlorotoluene	18.31	91	69416	1.00 ug/L	99
69) 4-Chlorotoluene	18.42	91	72338	1.04 ug/L	99
70) 1,3,5-Trimethylbenzene	18.57	105	75804	1.02 ug/L	95
71) tert-Butylbenzene	18.96	119	61061	1.03 ug/L	97
72) 1,2,4-Trimethylbenzene	19.10	105	74433	1.01 ug/L	99
73) sec-Butylbenzene	19.25	105	94039	0.97 ug/L	100
74) 1,3-Dichlorobenzene	19.35	146	43178	1.00 ug/L	95
75) 1,4-Dichlorobenzene	19.43	146	44611	1.05 ug/L #	90
76) p-Isopropyltoluene	19.47	119	78344	1.03 ug/L	97
77) 1,2-Dichlorobenzene	19.88	146	36641	0.97 ug/L	97
78) n-Butylbenzene	19.98	91	77186	0.98 ug/L	98
79) 1,2-Dibromo-3-chloropropan	20.44	75	1968	0.80 ug/L	89
80) 1,2,4-Trichlorobenzene	22.15	180	28151	1.03 ug/L	94
81) Naphthalene	22.49	128	31633	0.89 ug/L	99
82) Hexachlorobutadiene	22.54	225	15443	1.08 ug/L	94
83) 1,2,3-Trichlorobenzene	22.76	180	22752	1.02 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141109.D 030211.M Mon Mar 14 15:58:30 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141110.D Vial: 7
Acq On : 14 Mar 2011 11:39 am Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

bad purge

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.33	65	150604	200.00 ug/L	0.01
4) Pentafluorobenzene	0.00	168	0	0.00 ug/L	-10.48
33) 1,4-Difluorobenzene	0.00	114	0	0.00 ug/L	-11.61
48) Chlorobenzene-d5	16.00	117	24919	25.00 ug/L	0.03
61) 1,4-Dichlorobenzene-d4	19.44	152	653142	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	10.16	113	645909	0.00 ug/L	0.18
Spiked Amount 25.000			Recovery	= 0.00%	
46) Toluene-d8	14.19	98	1362450	0.00 ug/L	0.19
Spiked Amount 25.000			Recovery	= 0.00%	
60) 4-Bromofluorobenzene	17.69	95	652663	1304.45 ug/L	0.04
Spiked Amount 25.000			Recovery	= 5217.80%	

Target Compounds					Qvalue
2) Ethanol	5.92	45	2696	20.91 ug/L #	67
3) tert-Butanol (TBA)	7.44	59	8593	7.74 ug/L #	84
5) Dichlorodifluoromethane	4.50	85	60252	N.D.	
6) Chloromethane	4.81	50	29734	N.D.	
7) Vinyl chloride	5.10	62	36643	N.D.	
8) Bromomethane	5.69	94	12567	N.D.	
9) Chloroethane	5.90	64	34805	N.D.	
10) Trichlorofluoromethane	6.70	101	74997	N.D.	
11) Acetone	6.86	43	10820	N.D.	
12) Iodomethane	7.48	142	13623	N.D.	
13) 1,1-Dichloroethene	7.42	96	38680	N.D.	
14) Methylene chloride	7.61	84	45580	N.D.	
15) Freon 113	7.68	101	49087	N.D.	
16) Carbon disulfide	7.95	76	102409	N.D.	
17) trans-1,2-Dichloroethene	8.49	96	42691	N.D.	
18) MTBE	8.63	73	84287	N.D.	
19) 1,1-Dichloroethane	8.81	63	81273	N.D.	
20) Vinyl acetate	8.97	43	34200	N.D.	
21) n-Hexane	9.35	86	9366	N.D.	
22) 2-Butanone (MEK)	9.38	72	2390	N.D.	
23) Diisopropylether (DIPE)	9.38	45	171710	N.D.	
24) cis-1,2-dichloroethene	9.59	96	61499	N.D.	
25) Bromochloromethane	9.86	128	23629	N.D.	
26) Chloroform	9.94	83	118589	N.D.	
27) 2,2-Dichloropropane	10.09	77	93783	N.D.	
28) (ETBE) 2-Ethoxy-2-methyl p	10.02	59	171722	N.D.	
30) 1,2-Dichloroethane	10.80	62	4530	N.D.	
31) 1,1,1-Trichloroethane	0.00	97	0	N.D.	
32) (TAME) tert-Amyl methy eth	11.40	73	9463	N.D.	
34) 1,1-Dichloropropene	10.81	75	78874	N.D.	
35) Carbon tetrachloride	11.15	117	9651	N.D.	
36) Benzene	0.00	78	0	N.D.	
37) Dibromomethane	11.95	93	22910	N.D.	
38) 1,2-Dichloropropane	11.95	63	279932	N.D.	
39) Trichloroethene	12.45	95	39397	N.D.	
40) Bromodichloromethane	12.51	83	49955	N.D.	

(#) = qualifier out of range (m) = manual integration
03141110.D 030211.M Mon Mar 14 15:58:38 2011

MA 3/15/11

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141110.D Vial: 7
Acq On : 14 Mar 2011 11:39 am Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	13.00	63	11813	N.D.	
42) cis-1,3-Dichloropropene	13.30	75	59880	N.D.	
43) 4-Methyl-2-pentanone (MIBK	13.42	43	22372	N.D.	
44) trans-1,3-Dichloropropene	13.83	75	51008	N.D.	
45) 1,1,2-Trichloroethane	14.04	97	27372	N.D.	
47) Toluene	14.28	92	97296	N.D.	
49) 1,3-Dichloropropane	14.34	76	47055	92.48 ug/L	100
50) 2-Hexanone	14.27	43	2430	15.55 ug/L #	38
51) Dibromochloromethane	14.70	129	32701	97.58 ug/L	100
52) 1,2-Dibromoethane	15.21	107	55	0.19 ug/L	98
53) Tetrachloroethene	15.23	164	28863	73.76 ug/L	96
54) 1,1,1,2-Tetrachloroethane	16.00	131	43011	112.63 ug/L	94
55) Chlorobenzene	16.11	112	104621	94.28 ug/L #	87
56) Ethylbenzene	16.36	91	194365	103.49 ug/L	98
57) m,p-Xylenes	16.60	106	68975	100.74 ug/L	96
58) Styrene	17.05	104	106779	104.80 ug/L	98
59) o-Xylene	17.14	106	67019	100.99 ug/L	99
62) Bromoform	16.78	173	23664	2.26 ug/L	94
63) 1,1,2,2-Tetrachloroethane	17.13	83	28342	1.95 ug/L #	92
64) 1,2,3-Trichloropropane	17.33	110	7762	2.00 ug/L	87
65) Isopropylbenzene	17.63	105	168974	2.05 ug/L	98
66) Bromobenzene	17.99	156	46126	1.96 ug/L	98
67) n-Propylbenzene	18.22	91	217557	1.97 ug/L	100
68) 2-Chlorotoluene	18.37	91	137574	1.98 ug/L	97
69) 4-Chlorotoluene	18.47	91	140834	2.04 ug/L	97
70) 1,3,5-Trimethylbenzene	18.61	105	147231	1.99 ug/L	98
71) tert-Butylbenzene	19.00	119	119146	2.01 ug/L	97
72) 1,2,4-Trimethylbenzene	19.14	105	146772	1.99 ug/L	98
73) sec-Butylbenzene	19.28	105	192717	2.00 ug/L	100
74) 1,3-Dichlorobenzene	19.39	146	83816	1.95 ug/L	97
75) 1,4-Dichlorobenzene	19.47	146	85825	2.03 ug/L	93
76) p-Isopropyltoluene	19.50	119	154507	2.04 ug/L	99
77) 1,2-Dichlorobenzene	19.91	146	73874	1.97 ug/L	99
78) n-Butylbenzene	20.00	91	154852	1.98 ug/L	100
79) 1,2-Dibromo-3-chloropropan	20.46	75	4963	2.03 ug/L	86
80) 1,2,4-Trichlorobenzene	22.16	180	55476	2.04 ug/L	95
81) Naphthalene	22.50	128	65537	1.85 ug/L	100
82) Hexachlorobutadiene	22.56	225	29732	2.09 ug/L	99
83) 1,2,3-Trichlorobenzene	22.77	180	45568	2.04 ug/L	99

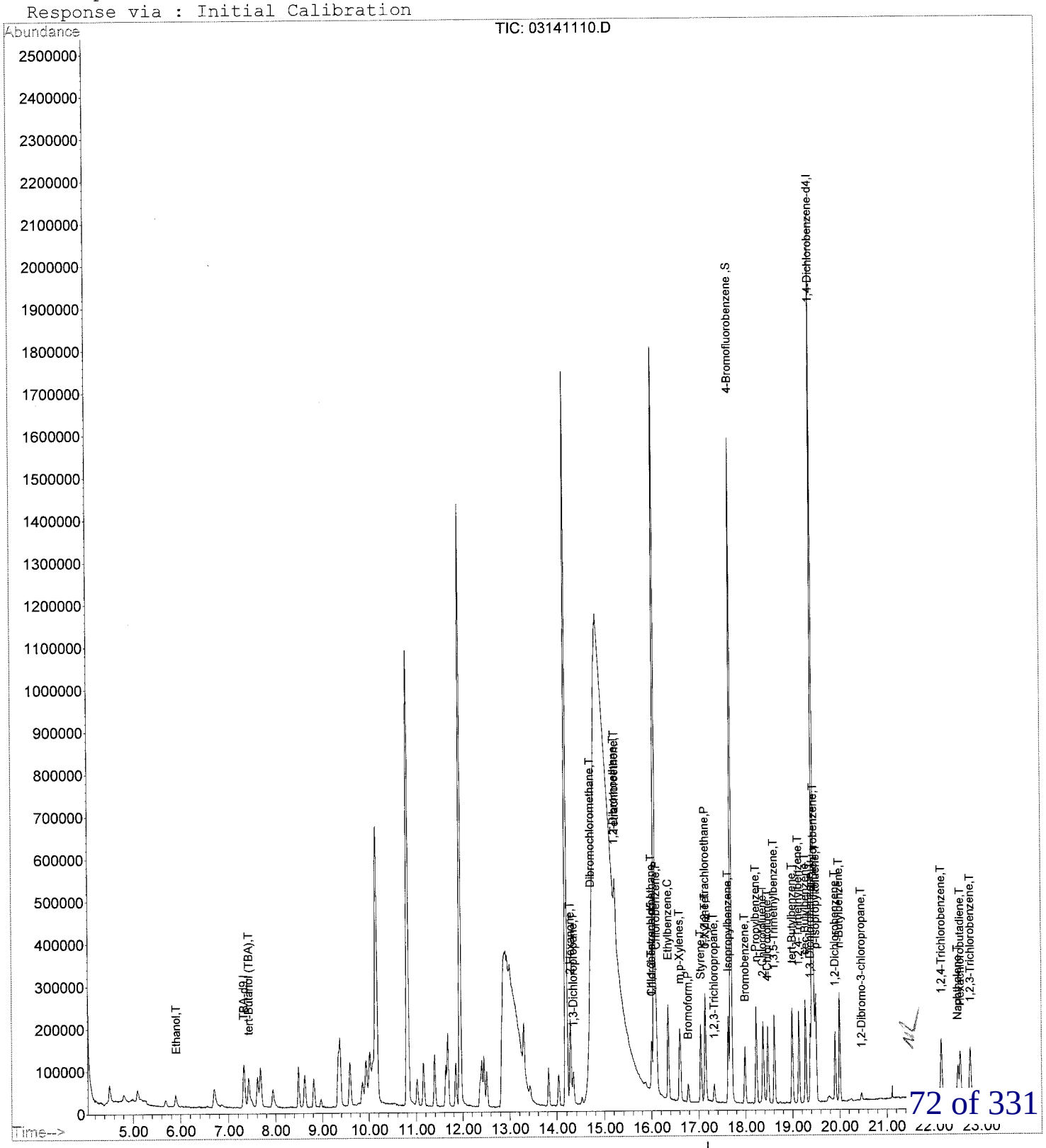
NL

(#) = qualifier out of range (m) = manual integration
03141110.D 030211.M Mon Mar 14 15:58:38 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141110.D Vial: 7
Acq On : 14 Mar 2011 11:39 am Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



03141110.D 030211.M Mon Mar 14 15:58:39 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D Vial: 8
Acq On : 14 Mar 2011 12:14 pm Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:59 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	118356	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	711317	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1057424	25.00 ug/L	-0.02
48) Chlorobenzene-d5	15.94	117	932115	25.00 ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	524222	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	415304	24.26 ug/L	0.00
Spiked Amount 25.000			Recovery =	97.04%	
46) Toluene-d8	13.98	98	1156864	25.35 ug/L	-0.02
Spiked Amount 25.000			Recovery =	101.40%	
60) 4-Bromofluorobenzene	17.62	95	527208	28.17 ug/L	-0.03
Spiked Amount 25.000			Recovery =	112.68%	

Target Compounds					Qvalue
2) Ethanol	0.00	45	0	N.D. d	
3) tert-Butanol (TBA)	7.42	59	10211	11.71 ug/L #	94
5) Dichlorodifluoromethane	4.47	85	53625	1.94 ug/L	98
6) Chloromethane	4.78	50	32657	1.32 ug/L	89
7) Vinyl chloride	5.07	62	37358	2.22 ug/L #	82
8) Bromomethane	5.66	94	17100	1.72 ug/L	87
9) Chloroethane	5.87	64	35588	2.25 ug/L	97
10) Trichlorofluoromethane	6.68	101	68707	2.26 ug/L	94
11) Acetone	6.84	43	13114	3.46 ug/L #	88
12) Iodomethane	7.47	142	15441	1.74 ug/L	99
13) 1,1-Dichloroethene	7.41	96	39307	2.31 ug/L	98
14) Methylene chloride	7.60	84	47605	2.31 ug/L	99
15) Freon 113	7.66	101	41898	2.07 ug/L	93
16) Carbon disulfide	7.93	76	119287	2.23 ug/L	97
17) trans-1,2-Dichloroethene	8.48	96	50567	2.71 ug/L	99
18) MTBE	8.62	73	68393	2.16 ug/L	99
19) 1,1-Dichloroethane	8.80	63	90989	2.52 ug/L	96
20) Vinyl acetate	8.95	43	32801	2.10 ug/L	96
21) n-Hexane	9.32	86	7296	1.87 ug/L	98
22) 2-Butanone (MEK)	9.35	72	2282	2.33 ug/L #	82
23) Diisopropylether (DIPE)	9.36	45	154386	2.40 ug/L	98
24) cis-1,2-dichloroethene	9.55	96	52692	2.61 ug/L	99
25) Bromochloromethane	9.76	128	15165	1.97 ug/L	97
26) Chloroform	9.82	83	98924	2.83 ug/L	97
27) 2,2-Dichloropropane	9.92	77	82629	3.06 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	108864	2.41 ug/L	100
30) 1,2-Dichloroethane	10.66	62	52451	2.52 ug/L	96
31) 1,1,1-Trichloroethane	10.79	97	82372	2.94 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	72398	2.26 ug/L	97
34) 1,1-Dichloropropene	11.02	75	62603	2.74 ug/L	98
35) Carbon tetrachloride	11.27	117	65324	3.91 ug/L	98
36) Benzene	11.32	78	170501	2.76 ug/L	96
37) Dibromomethane	12.04	93	21366	2.44 ug/L	99
38) 1,2-Dichloropropane	12.09	63	42314	2.62 ug/L #	81
39) Trichloroethene	12.14	95	51563	2.93 ug/L	99
40) Bromodichloromethane	12.20	83	60974	2.92 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141111.D 030211.M Mon Mar 14 16:00:01 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D Vial: 8
Acq On : 14 Mar 2011 12:14 pm Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:59 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

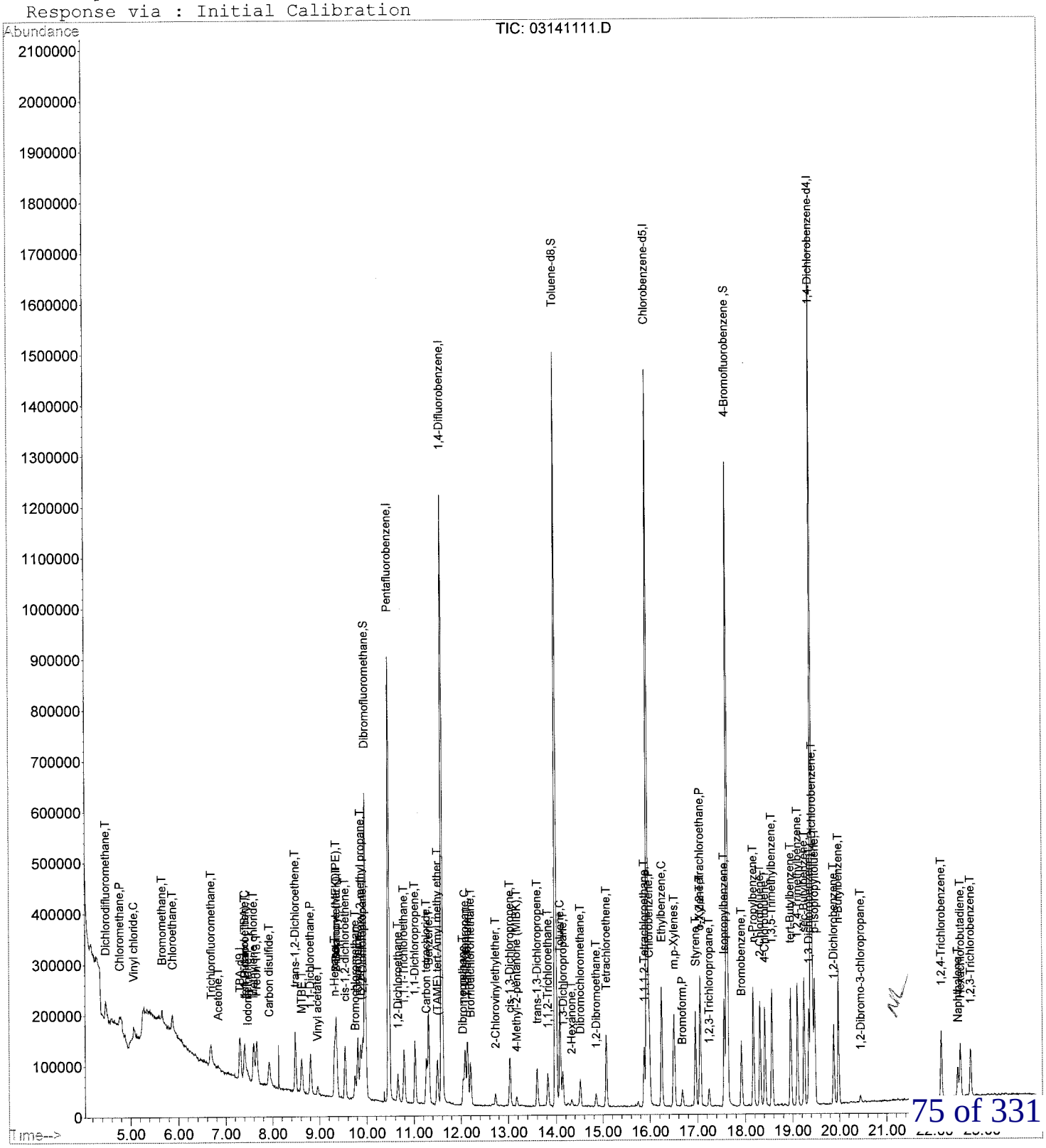
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	10374	2.17 ug/L	96
42) cis-1,3-Dichloropropene	13.04	75	59645	2.66 ug/L	91
43) 4-Methyl-2-pentanone (MIBK	13.17	43	16382	2.01 ug/L	94
44) trans-1,3-Dichloropropene	13.60	75	45501	2.57 ug/L	93
45) 1,1,2-Trichloroethane	13.82	97	24061	2.36 ug/L	99
47) Toluene	14.08	92	105845	2.97 ug/L	100
49) 1,3-Dichloropropane	14.14	76	39874	2.10 ug/L	96
50) 2-Hexanone	14.33	43	12588	2.15 ug/L #	92
51) Dibromochloromethane	14.52	129	31703	2.53 ug/L	96
52) 1,2-Dibromoethane	14.84	107	21699	2.02 ug/L	100
53) Tetrachloroethene	15.07	164	40249	2.75 ug/L	97
54) 1,1,1,2-Tetrachloroethane	15.87	131	39605	2.77 ug/L	93
55) Chlorobenzene	15.99	112	109100	2.63 ug/L	91
56) Ethylbenzene	16.25	91	203956	2.90 ug/L	98
57) m,p-Xylenes	16.51	106	71329	2.79 ug/L	95
58) Styrene	16.96	104	102326	2.68 ug/L	97
59) o-Xylene	17.06	106	71297	2.87 ug/L	96
62) Bromoform	16.68	173	19630	2.34 ug/L	97
63) 1,1,2,2-Tetrachloroethane	17.05	83	21130	1.81 ug/L #	88
64) 1,2,3-Trichloropropane	17.25	110	5768	1.85 ug/L	96
65) Isopropylbenzene	17.56	105	171913	2.60 ug/L	99
66) Bromobenzene	17.92	156	44118	2.34 ug/L	96
67) n-Propylbenzene	18.17	91	224077	2.53 ug/L	100
68) 2-Chlorotoluene	18.31	91	141662	2.54 ug/L	98
69) 4-Chlorotoluene	18.41	91	146784	2.65 ug/L	100
70) 1,3,5-Trimethylbenzene	18.57	105	155498	2.62 ug/L	97
71) tert-Butylbenzene	18.96	119	125198	2.64 ug/L	95
72) 1,2,4-Trimethylbenzene	19.11	105	158655	2.69 ug/L	99
73) sec-Butylbenzene	19.25	105	197903	2.56 ug/L	99
74) 1,3-Dichlorobenzene	19.35	146	83448	2.42 ug/L	97
75) 1,4-Dichlorobenzene	19.43	146	84260	2.48 ug/L	93
76) p-Isopropyltoluene	19.48	119	159587	2.63 ug/L	98
77) 1,2-Dichlorobenzene	19.88	146	68995	2.30 ug/L	99
78) n-Butylbenzene	19.98	91	159253	2.54 ug/L	100
79) 1,2-Dibromo-3-chloropropan	20.45	75	4340	2.22 ug/L #	78
80) 1,2,4-Trichlorobenzene	22.15	180	52445	2.40 ug/L	98
81) Naphthalene	22.50	128	55232	1.95 ug/L	98
82) Hexachlorobutadiene	22.55	225	29126	2.55 ug/L	97
83) 1,2,3-Trichlorobenzene	22.76	180	40091	2.24 ug/L	96

(#) = qualifier out of range (m) = manual integration
03141111.D 030211.M Mon Mar 14 16:00:01 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D Vial: 8
Acq On : 14 Mar 2011 12:14 pm Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:59 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D Vial: 9
Acq On : 14 Mar 2011 12:47 pm Operator: NL
Sample : 5.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:00 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	119477	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	700842	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1010249	25.00 ug/L	-0.02
48) Chlorobenzene-d5	15.94	117	912659	25.00 ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	512889	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	399936	23.72 ug/L	0.00
Spiked Amount 25.000			Recovery =	94.88%	
46) Toluene-d8	13.98	98	1120128	25.69 ug/L	-0.02
Spiked Amount 25.000			Recovery =	102.76%	
60) 4-Bromofluorobenzene	17.62	95	522172	28.50 ug/L	-0.03
Spiked Amount 25.000			Recovery =	114.00%	

Target Compounds					Qvalue
2) Ethanol	0.00	45	0	N.D. d	
3) tert-Butanol (TBA)	7.42	59	14934	16.96 ug/L	98
5) Dichlorodifluoromethane	4.47	85	132238	4.85 ug/L	99
6) Chloromethane	4.78	50	67751	2.78 ug/L	99
7) Vinyl chloride	5.06	62	78989	4.76 ug/L	97
8) Bromomethane	5.66	94	34058	2.57 ug/L	100
9) Chloroethane	5.87	64	66878	4.29 ug/L	97
10) Trichlorofluoromethane	6.68	101	158969	5.31 ug/L	96
11) Acetone	6.84	43	19542	5.24 ug/L #	90
12) Iodomethane	7.46	142	40011	2.90 ug/L #	83
13) 1,1-Dichloroethene	7.40	96	79543	4.75 ug/L	98
14) Methylene chloride	7.60	84	93284	4.60 ug/L	98
15) Freon 113	7.66	101	102564	5.14 ug/L	95
16) Carbon disulfide	7.93	76	209886	4.18 ug/L #	94
17) trans-1,2-Dichloroethene	8.48	96	86712	4.71 ug/L	96
18) MTBE	8.62	73	163820	5.26 ug/L	97
19) 1,1-Dichloroethane	8.80	63	170592	4.79 ug/L	98
20) Vinyl acetate	8.96	43	70756	4.59 ug/L	97
21) n-Hexane	9.32	86	19167	4.99 ug/L	79
22) 2-Butanone (MEK)	9.37	72	4329	4.49 ug/L #	76
23) Diisopropylether (DIPE)	9.36	45	315084	4.97 ug/L	99
24) cis-1,2-dichloroethene	9.55	96	96449	4.85 ug/L	99
25) Bromochloromethane	9.76	128	34136	4.50 ug/L	92
26) Chloroform	9.82	83	184540	5.35 ug/L	99
27) 2,2-Dichloropropane	9.92	77	144350	5.42 ug/L	96
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	240191	5.40 ug/L	98
30) 1,2-Dichloroethane	10.66	62	115992	5.65 ug/L	95
31) 1,1,1-Trichloroethane	10.79	97	161470	5.84 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	166151	5.26 ug/L	97
34) 1,1-Dichloropropene	11.02	75	125801	5.77 ug/L	98
35) Carbon tetrachloride	11.27	117	133490	7.81 ug/L	98
36) Benzene	11.32	78	313868	5.31 ug/L	95
37) Dibromomethane	12.04	93	48242	5.77 ug/L	97
38) 1,2-Dichloropropane	12.09	63	79915	5.17 ug/L	85
39) Trichloroethene	12.14	95	95797	5.70 ug/L	97
40) Bromodichloromethane	12.20	83	124593	6.24 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141112.D 030211.M Mon Mar 14 16:00:48 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D Vial: 9
Acq On : 14 Mar 2011 12:47 pm Operator: NL
Sample : 5.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:00 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

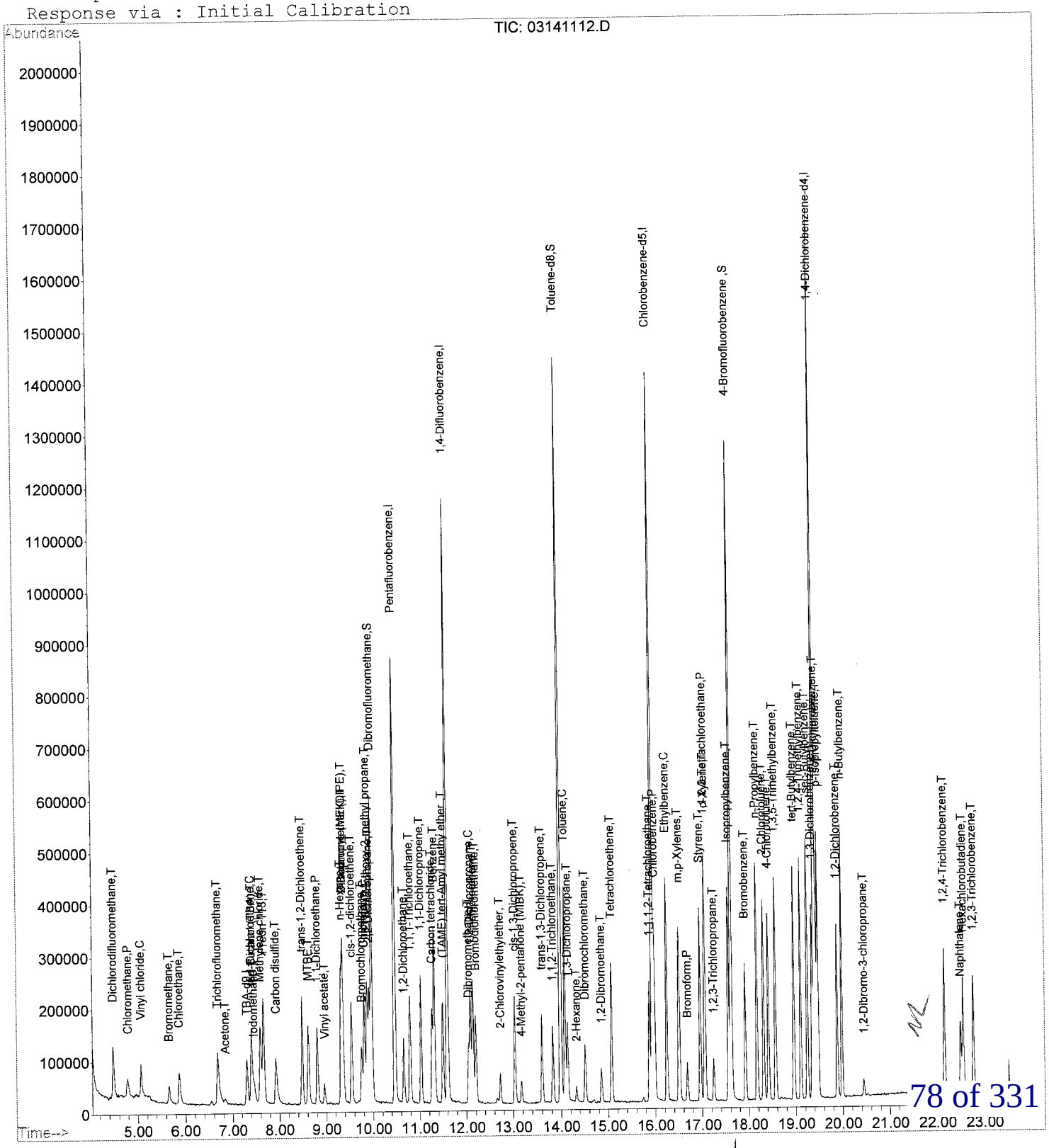
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41)	2-Chlorovinylethylether	12.73	63	26466	5.78 ug/L	94
42)	cis-1,3-Dichloropropene	13.04	75	119204	5.57 ug/L	91
43)	4-Methyl-2-pentanone (MIBK	13.17	43	38199	4.91 ug/L	89
44)	trans-1,3-Dichloropropene	13.60	75	101199	5.98 ug/L	95
45)	1,1,2-Trichloroethane	13.82	97	54108	5.55 ug/L	96
47)	Toluene	14.08	92	199361	5.85 ug/L	100
49)	1,3-Dichloropropane	14.14	76	90676	4.87 ug/L	98
50)	2-Hexanone	14.33	43	27301	4.77 ug/L #	92
51)	Dibromochloromethane	14.52	129	71389	5.82 ug/L	97
52)	1,2-Dibromoethane	14.85	107	54007	5.12 ug/L	97
53)	Tetrachloroethene	15.07	164	79084	5.52 ug/L	98
54)	1,1,1,2-Tetrachloroethane	15.88	131	78844	5.64 ug/L	94
55)	Chlorobenzene	15.99	112	203846	5.02 ug/L	96
56)	Ethylbenzene	16.25	91	375480	5.46 ug/L	98
57)	m,p-Xylenes	16.51	106	132725	5.29 ug/L	97
58)	Styrene	16.96	104	206281	5.53 ug/L	98
59)	o-Xylene	17.06	106	132259	5.44 ug/L	98
62)	Bromoform	16.68	173	44364	5.40 ug/L	98
63)	1,1,2,2-Tetrachloroethane	17.05	83	50521	4.44 ug/L #	98
64)	1,2,3-Trichloropropane	17.25	110	14617	4.79 ug/L	91
65)	Isopropylbenzene	17.56	105	331110	5.11 ug/L	97
66)	Bromobenzene	17.92	156	90165	4.89 ug/L	99
67)	n-Propylbenzene	18.17	91	437726	5.05 ug/L	99
68)	2-Chlorotoluene	18.31	91	274225	5.03 ug/L	97
69)	4-Chlorotoluene	18.42	91	277598	5.12 ug/L	98
70)	1,3,5-Trimethylbenzene	18.57	105	298450	5.14 ug/L	97
71)	tert-Butylbenzene	18.96	119	239158	5.15 ug/L	96
72)	1,2,4-Trimethylbenzene	19.11	105	302101	5.23 ug/L	97
73)	sec-Butylbenzene	19.25	105	390838	5.17 ug/L	100
74)	1,3-Dichlorobenzene	19.35	146	169519	5.02 ug/L	99
75)	1,4-Dichlorobenzene	19.43	146	161637	4.87 ug/L	95
76)	p-Isopropyltoluene	19.48	119	310372	5.23 ug/L	99
77)	1,2-Dichlorobenzene	19.88	146	145493	4.95 ug/L	99
78)	n-Butylbenzene	19.98	91	314041	5.12 ug/L	99
79)	1,2-Dibromo-3-chloropropan	20.45	75	8572	4.47 ug/L	95
80)	1,2,4-Trichlorobenzene	22.15	180	108929	5.10 ug/L	99
81)	Naphthalene	22.50	128	128076	4.62 ug/L	99
82)	Hexachlorobutadiene	22.55	225	59115	5.30 ug/L	97
83)	1,2,3-Trichlorobenzene	22.76	180	91278	5.22 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141112.D 030211.M Mon Mar 14 16:00:49 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D Vial: 9
Acq On : 14 Mar 2011 12:47 pm Operator: NL
Sample : 5.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:00 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration

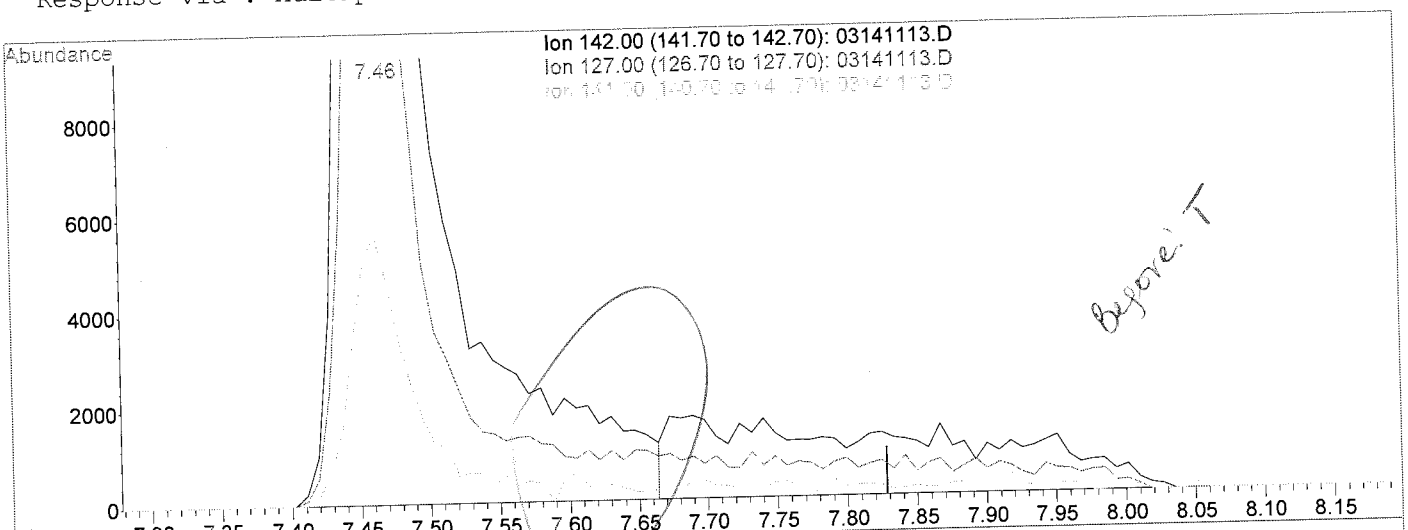


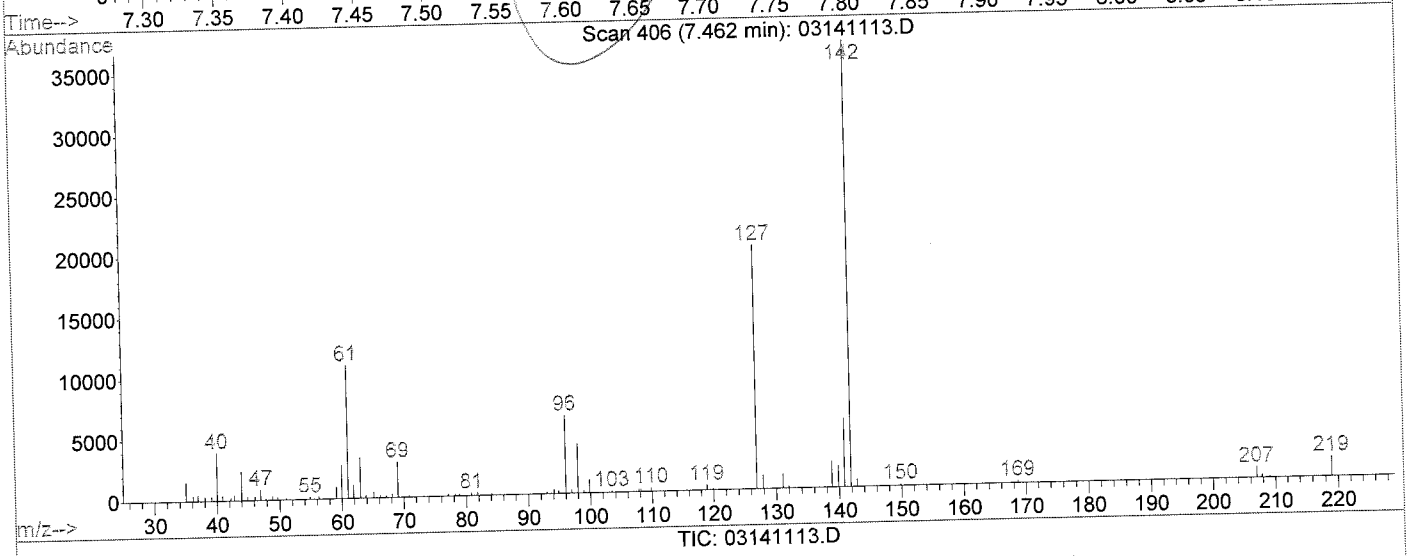
03141112.D 030211.M Mon Mar 14 16:00:50 2011

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D Vial: 10
Acq On : 14 Mar 2011 1:20 pm Operator: NL
Sample : 10 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:00 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(12) Iodomethane (T)

7.46min 6.95ug/L

response 122310

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	49.71
141.00	14.20	14.45
0.00	0.00	0.00

NL 3/15/11

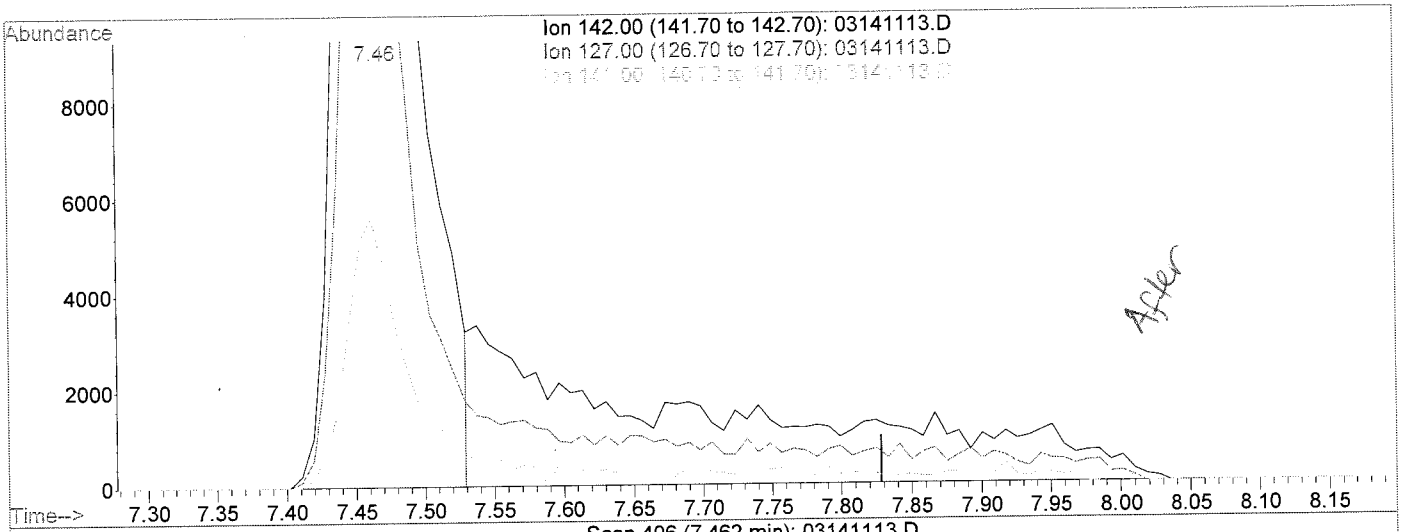
03141113.D 030211.M Mon Mar 14 16:01:50 2011

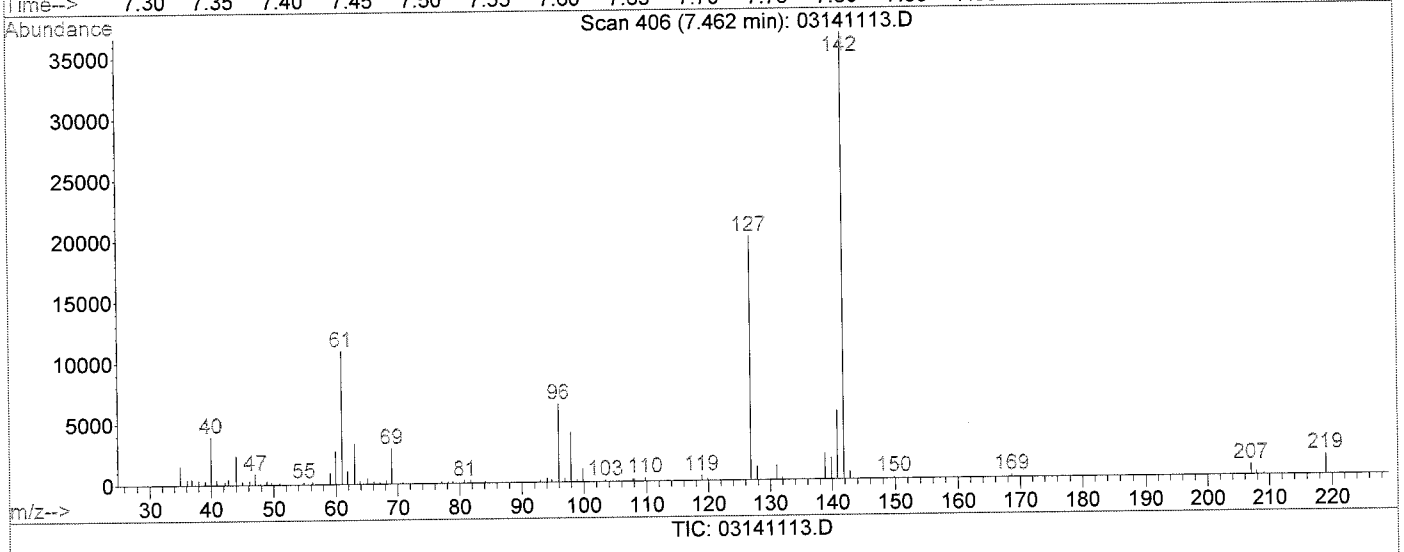
3/16/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D Vial: 10
Acq On : 14 Mar 2011 1:20 pm Operator: NL
Sample : 10 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:01 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(12) Iodomethane (T)

7.46min 6.14ug/L m

response 105588

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	57.59#
141.00	14.20	16.74
0.00	0.00	0.00

03141113.D 030211.M Mon Mar 14 16:01:59 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D Vial: 10
Acq On : 14 Mar 2011 1:20 pm Operator: NL
Sample : 10 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:01 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	121672	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	680553	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	990904	25.00 ug/L	-0.02
48) Chlorobenzene-d5	15.94	117	886454	25.00 ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	498107	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	387358	23.65 ug/L	0.00
Spiked Amount 25.000			Recovery =	94.60%	
46) Toluene-d8	13.98	98	1085476	25.38 ug/L	-0.02
Spiked Amount 25.000			Recovery =	101.52%	
60) 4-Bromofluorobenzene	17.62	95	506702	28.47 ug/L	-0.03
Spiked Amount 25.000			Recovery =	113.88%	

Target Compounds					Qvalue
2) Ethanol	5.91	45	4627	44.41 ug/L	81
3) tert-Butanol (TBA)	7.41	59	30667	34.20 ug/L	100
5) Dichlorodifluoromethane	4.47	85	254774	9.62 ug/L	98
6) Chloromethane	4.78	50	111149	4.70 ug/L	99
7) Vinyl chloride	5.07	62	149783	9.29 ug/L	99
8) Bromomethane	5.66	94	81773	5.02 ug/L	93
9) Chloroethane	5.87	64	127744	8.45 ug/L	97
10) Trichlorofluoromethane	6.68	101	320107	11.01 ug/L	99
11) Acetone	6.84	43	36973	10.20 ug/L	93
12) Iodomethane	7.46	142	105588m	6.14 ug/L	
13) 1,1-Dichloroethene	7.40	96	156175	9.61 ug/L	96
14) Methylene chloride	7.60	84	184639	9.37 ug/L	99
15) Freon 113	7.66	101	208108	10.73 ug/L	97
16) Carbon disulfide	7.93	76	409293	8.63 ug/L	95
17) trans-1,2-Dichloroethene	8.48	96	178040	9.96 ug/L	99
18) MTBE	8.62	73	327729	10.83 ug/L	97
19) 1,1-Dichloroethane	8.80	63	330736	9.57 ug/L	100
20) Vinyl acetate	8.96	43	138536	9.26 ug/L	97
21) n-Hexane	9.32	86	33121	8.88 ug/L	91
22) 2-Butanone (MEK)	9.36	72	8276	8.83 ug/L #	79
23) Diisopropylether (DIPE)	9.36	45	611543	9.93 ug/L	99
24) cis-1,2-dichloroethene	9.55	96	186765	9.68 ug/L	98
25) Bromochloromethane	9.75	128	65254	8.85 ug/L	93
26) Chloroform	9.82	83	355172	10.61 ug/L	99
27) 2,2-Dichloropropane	9.92	77	272023	10.52 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	457480	10.59 ug/L	98
30) 1,2-Dichloroethane	10.66	62	224339	11.25 ug/L	96
31) 1,1,1-Trichloroethane	10.79	97	314611	11.72 ug/L	98
32) (TAME) tert-Amyl methy eth	11.50	73	323985	10.56 ug/L	97
34) 1,1-Dichloropropene	11.02	75	247344	11.57 ug/L	100
35) Carbon tetrachloride	11.27	117	261815	15.13 ug/L	98
36) Benzene	11.32	78	622055	10.73 ug/L	95
37) Dibromomethane	12.04	93	94003	11.46 ug/L	97
38) 1,2-Dichloropropane	12.09	63	157971	10.42 ug/L	85
39) Trichloroethene	12.14	95	189219	11.48 ug/L	98
40) Bromodichloromethane	12.20	83	247108	12.62 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141113.D 030211.M Mon Mar 14 16:02:46 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D Vial: 10
Acq On : 14 Mar 2011 1:20 pm Operator: NL
Sample : 10 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:01 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

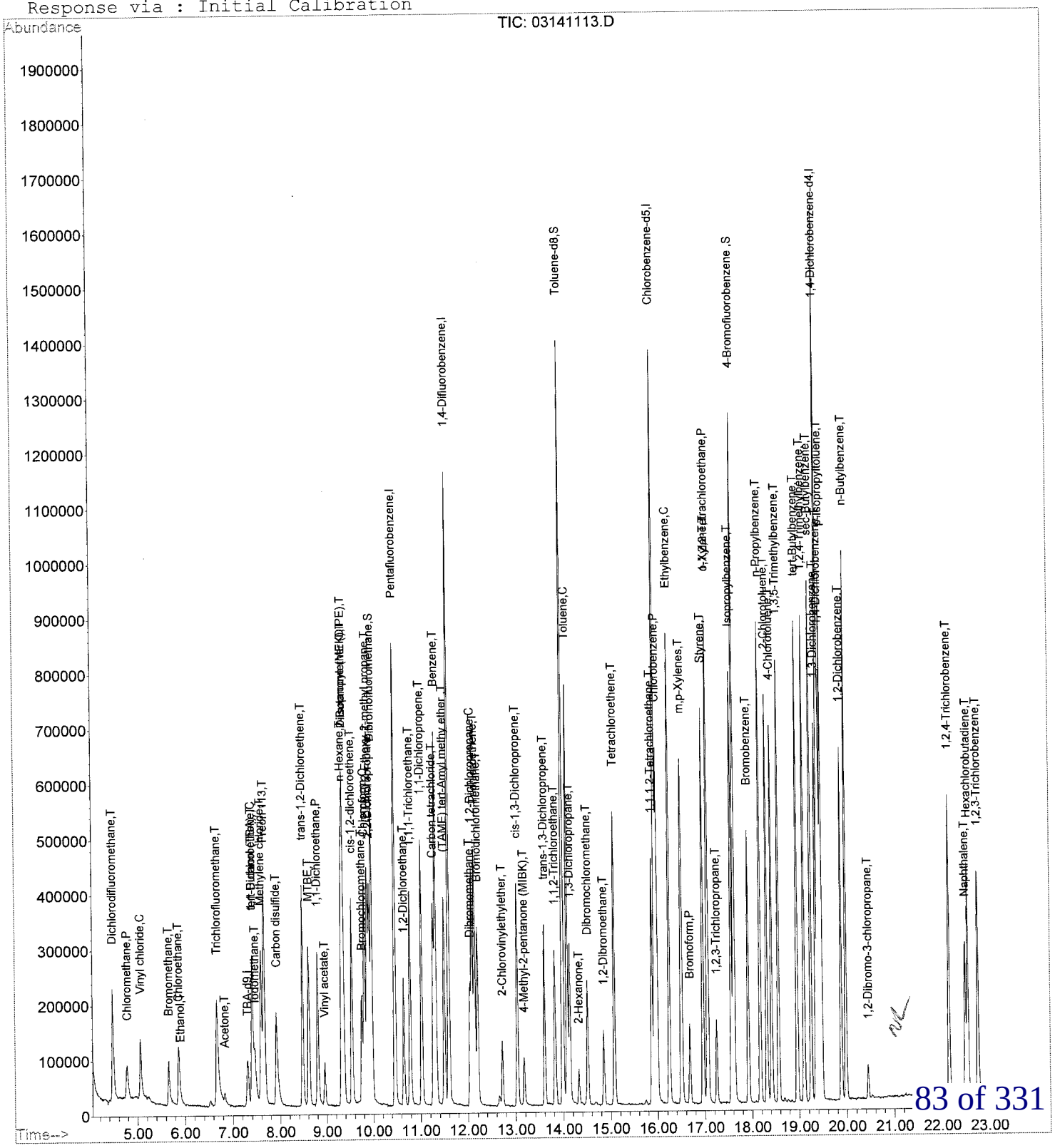
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	50002	11.14 ug/L	98
42) cis-1,3-Dichloropropene	13.04	75	238711	11.38 ug/L	92
43) 4-Methyl-2-pentanone (MIBK	13.17	43	76397	10.00 ug/L	99
44) trans-1,3-Dichloropropene	13.60	75	195861	11.80 ug/L	95
45) 1,1,2-Trichloroethane	13.82	97	103802	10.85 ug/L	95
47) Toluene	14.09	92	375313	11.23 ug/L	99
49) 1,3-Dichloropropane	14.14	76	182860	10.10 ug/L	98
50) 2-Hexanone	14.33	43	54589	9.82 ug/L #	95
51) Dibromochloromethane	14.52	129	139580	11.71 ug/L	99
52) 1,2-Dibromoethane	14.85	107	108836	10.63 ug/L	96
53) Tetrachloroethene	15.07	164	157099	11.29 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.88	131	149245	10.99 ug/L	98
55) Chlorobenzene	15.99	112	405351	10.27 ug/L	98
56) Ethylbenzene	16.25	91	746081	11.17 ug/L	99
57) m,p-Xylenes	16.51	106	253576	10.41 ug/L	96
58) Styrene	16.96	104	408768	11.28 ug/L	98
59) o-Xylene	17.06	106	248748	10.54 ug/L	97
62) Bromoform	16.68	173	86121	10.79 ug/L	100
63) 1,1,2,2-Tetrachloroethane	17.05	83	96091	8.69 ug/L #	95
64) 1,2,3-Trichloropropane	17.25	110	27697	9.35 ug/L	98
65) Isopropylbenzene	17.56	105	633243	10.06 ug/L	98
66) Bromobenzene	17.92	156	172236	9.61 ug/L	98
67) n-Propylbenzene	18.17	91	843092	10.02 ug/L	98
68) 2-Chlorotoluene	18.31	91	518833	9.81 ug/L	98
69) 4-Chlorotoluene	18.42	91	529134	10.04 ug/L	99
70) 1,3,5-Trimethylbenzene	18.57	105	573396	10.18 ug/L	97
71) tert-Butylbenzene	18.96	119	476953	10.57 ug/L	96
72) 1,2,4-Trimethylbenzene	19.11	105	577391	10.29 ug/L	96
73) sec-Butylbenzene	19.25	105	756258	10.31 ug/L	99
74) 1,3-Dichlorobenzene	19.35	146	314324	9.59 ug/L	99
75) 1,4-Dichlorobenzene	19.44	146	313167	9.72 ug/L	97
76) p-Isopropyltoluene	19.48	119	589595	10.23 ug/L	97
77) 1,2-Dichlorobenzene	19.88	146	272160	9.53 ug/L	97
78) n-Butylbenzene	19.98	91	601142	10.09 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.45	75	17017	9.14 ug/L	91
80) 1,2,4-Trichlorobenzene	22.15	180	221792	10.68 ug/L	98
81) Naphthalene	22.50	128	266292	9.88 ug/L	99
82) Hexachlorobutadiene	22.55	225	117030	10.80 ug/L	97
83) 1,2,3-Trichlorobenzene	22.76	180	177438	10.44 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141113.D 030211.M Mon Mar 14 16:02:47 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D Vial: 10
Acq On : 14 Mar 2011 1:20 pm Operator: NL
Sample : 10 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:01 2011 Quant Results File: 030211.RES

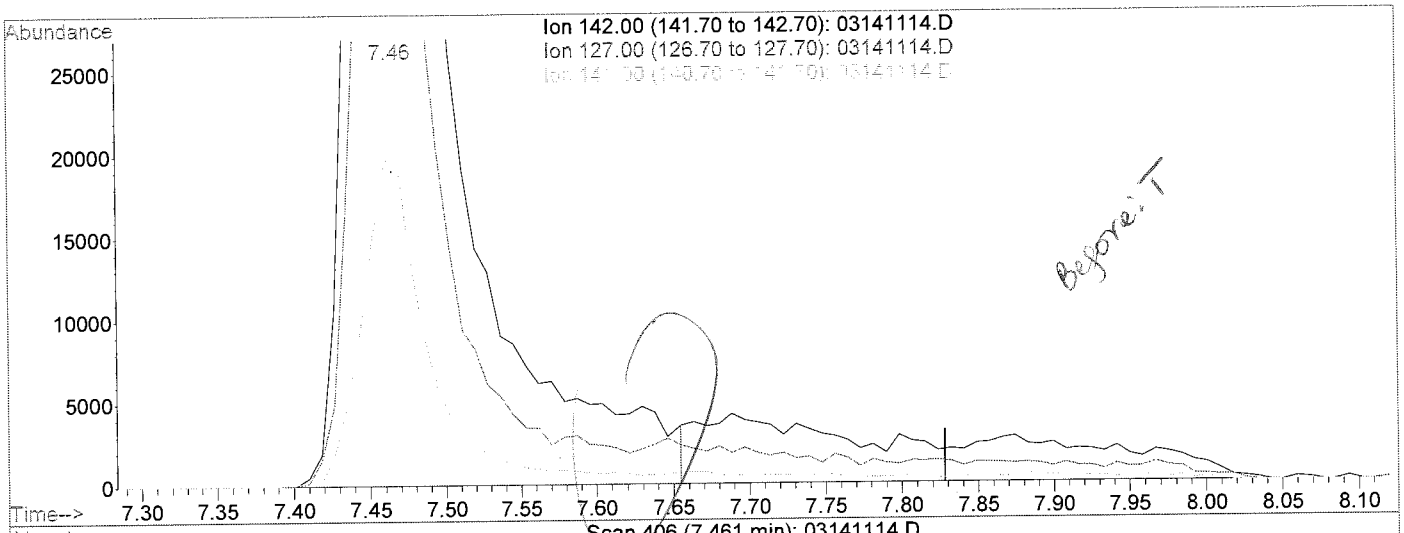
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration

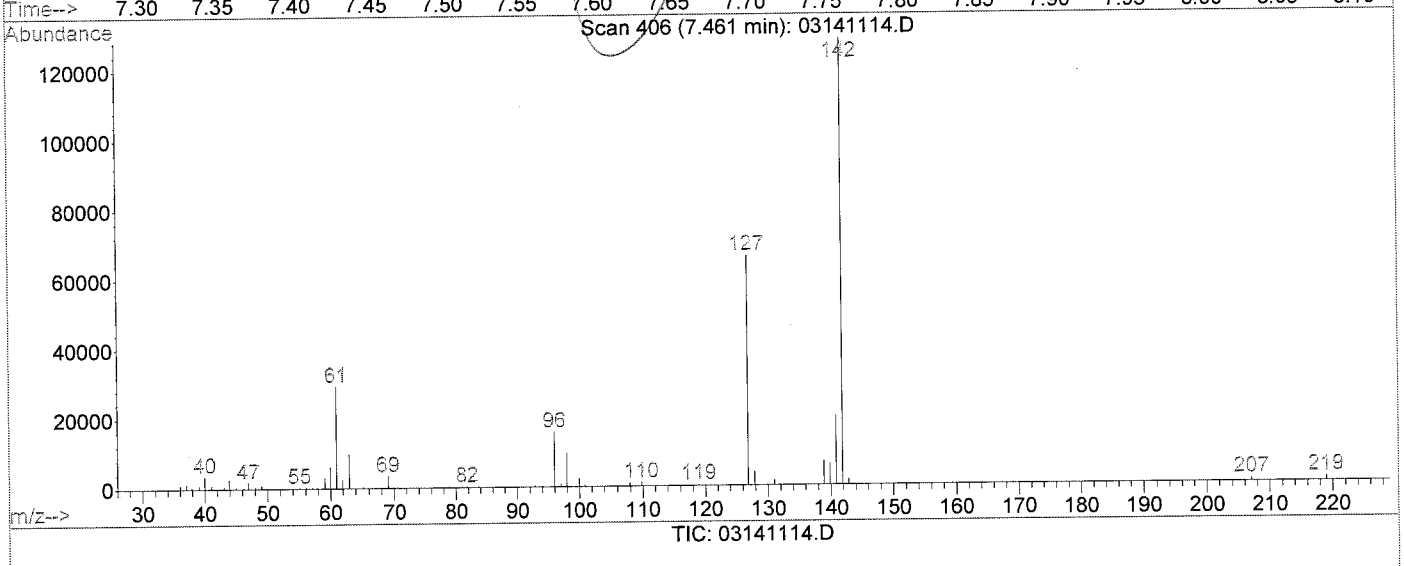


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:03 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





TIC: 03141114.D

(12) Iodomethane (T)

7.46min 20.26ug/L

response 407581

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	51.12
141.00	14.20	14.93
0.00	0.00	0.00

NL 3/15/11

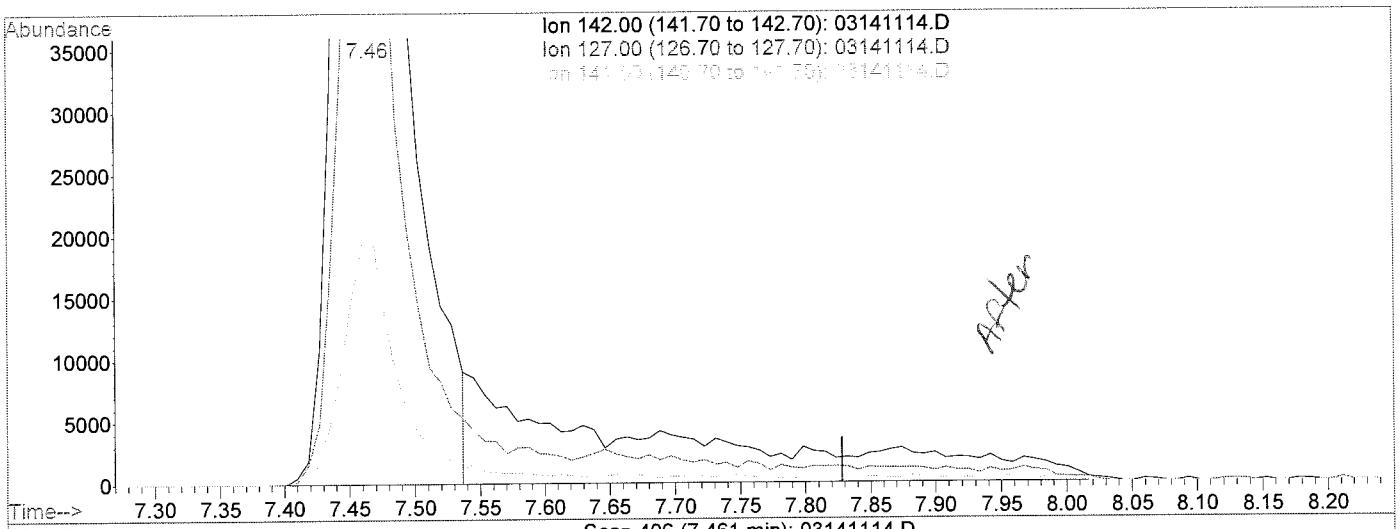
03141114.D 030211.M Mon Mar 14 16:03:37 2011

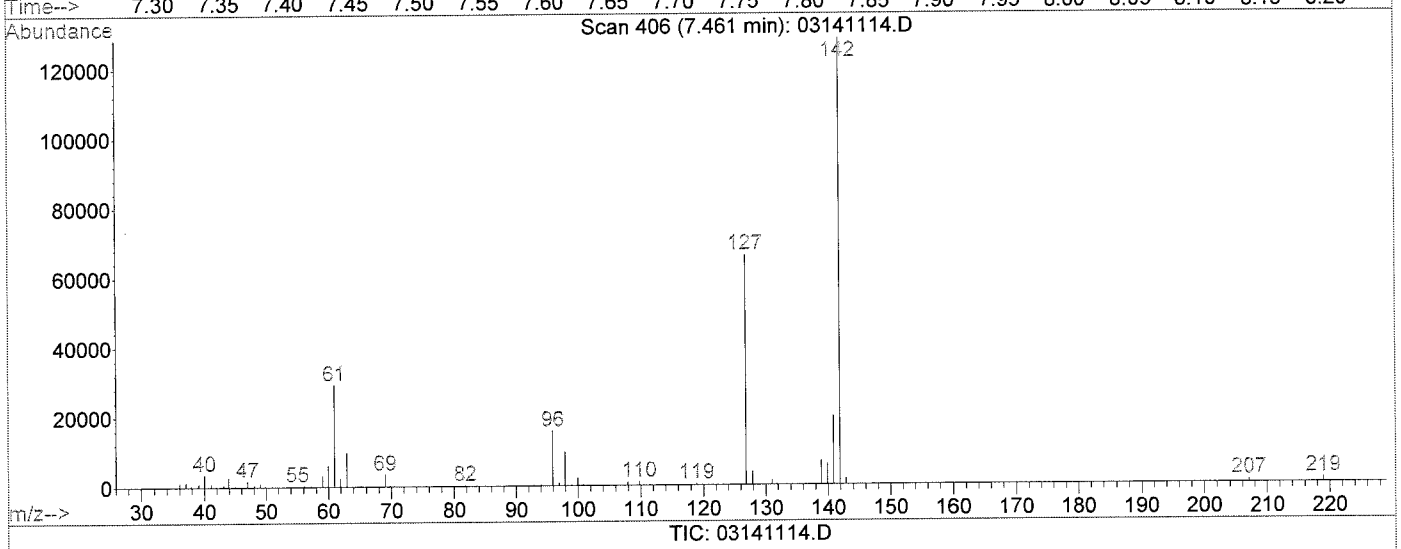
4/6/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:04 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(12) Iodomethane (T)

7.46min 18.54ug/L m

response 371161

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	56.13#
141.00	14.20	16.40
0.00	0.00	0.00

NL

03141114.D 030211.M Mon Mar 14 16:04:30 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:04 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	125792	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	699455	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1014981	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	936018	25.00 ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.41	152	492554	25.00 ug/L	-0.02
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	404401	24.03 ug/L	0.00
Spiked Amount 25.000			Recovery =	96.12%	
46) Toluene-d8	13.99	98	1134687	25.90 ug/L	0.00
Spiked Amount 25.000			Recovery =	103.60%	
60) 4-Bromofluorobenzene	17.62	95	508378	27.05 ug/L	-0.03
Spiked Amount 25.000			Recovery =	108.20%	

Target Compounds					Qvalue
2) Ethanol	5.90	45	12783	118.68 ug/L	96
3) tert-Butanol (TBA)	7.42	59	75663	81.61 ug/L	96
5) Dichlorodifluoromethane	4.47	85	641544	23.58 ug/L	100
6) Chloromethane	4.78	50	312927	12.86 ug/L	98
7) Vinyl chloride	5.06	62	377531	22.77 ug/L	99
8) Bromomethane	5.66	94	293535	15.31 ug/L	94
9) Chloroethane	5.87	64	329027	21.17 ug/L	98
10) Trichlorofluoromethane	6.68	101	809245	27.08 ug/L	99
11) Acetone	6.83	43	75063	20.15 ug/L	96
12) Iodomethane	7.46	142	371161m	18.54 ug/L	
13) 1,1-Dichloroethene	7.41	96	390447	23.38 ug/L	94
14) Methylene chloride	7.60	84	452050	22.32 ug/L	100
15) Freon 113	7.66	101	515908	25.89 ug/L	96
16) Carbon disulfide	7.92	76	1011118	21.09 ug/L	96
17) trans-1,2-Dichloroethene	8.48	96	437012	23.79 ug/L	99
18) MTBE	8.62	73	831849	26.75 ug/L	98
19) 1,1-Dichloroethane	8.81	63	834894	23.50 ug/L	99
20) Vinyl acetate	8.95	43	415505	27.02 ug/L	100
21) n-Hexane	9.33	86	84809	22.11 ug/L	89
22) 2-Butanone (MEK)	9.34	72	21512	22.34 ug/L #	87
23) Diisopropylether (DIPE)	9.36	45	1566191	24.75 ug/L	99
24) cis-1,2-dichloroethene	9.54	96	479600	24.19 ug/L	98
25) Bromochloromethane	9.76	128	170713	22.53 ug/L	90
26) Chloroform	9.81	83	878352	25.52 ug/L	99
27) 2,2-Dichloropropane	9.92	77	693793	26.10 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	1208030	27.22 ug/L	99
30) 1,2-Dichloroethane	10.66	62	568789	27.75 ug/L	96
31) 1,1,1-Trichloroethane	10.79	97	788548	28.57 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	842890	26.73 ug/L	97
34) 1,1-Dichloropropene	11.03	75	608213	27.76 ug/L	99
35) Carbon tetrachloride	11.27	117	656950	36.35 ug/L	99
36) Benzene	11.32	78	1508513	25.40 ug/L	96
37) Dibromomethane	12.05	93	233206	27.75 ug/L	95
38) 1,2-Dichloropropane	12.09	63	391394	25.21 ug/L #	83
39) Trichloroethene	12.14	95	480291	28.46 ug/L	97
40) Bromodichloromethane	12.20	83	613515	30.60 ug/L	100

(#) = qualifier out of range (m) = manual integration
03141114.D 030211.M Mon Mar 14 16:05:06 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:04 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

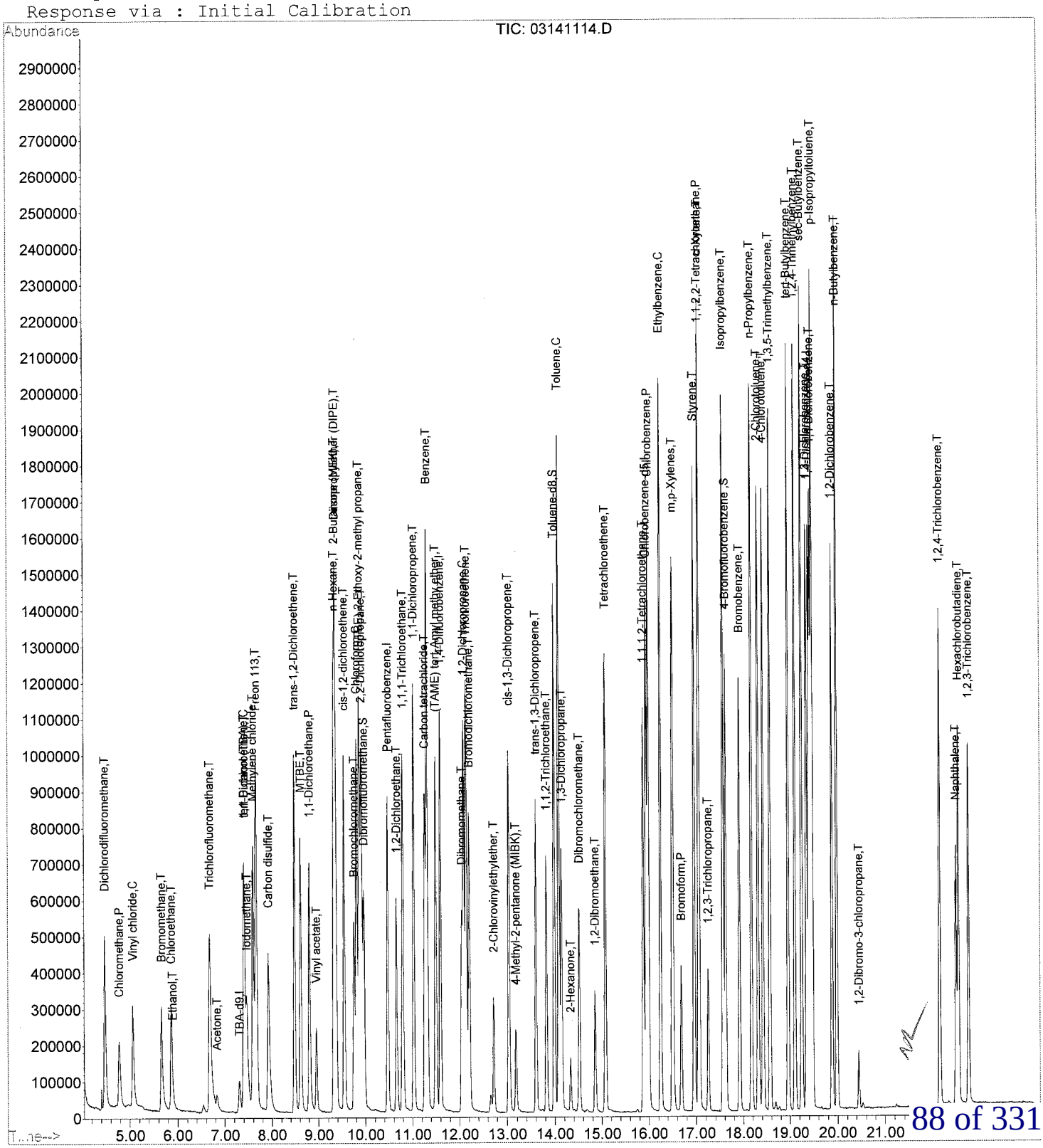
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	137088	29.82 ug/L	96
42) cis-1,3-Dichloropropene	13.04	75	607840	28.28 ug/L	93
43) 4-Methyl-2-pentanone (MIBK	13.17	43	203600	26.03 ug/L	96
44) trans-1,3-Dichloropropene	13.60	75	511251	30.06 ug/L	96
45) 1,1,2-Trichloroethane	13.82	97	262319	26.77 ug/L	94
47) Toluene	14.08	92	933074	27.27 ug/L	99
49) 1,3-Dichloropropane	14.14	76	441640	23.11 ug/L	98
50) 2-Hexanone	14.33	43	131540	22.41 ug/L	98
51) Dibromochloromethane	14.52	129	360432	28.63 ug/L	100
52) 1,2-Dibromoethane	14.85	107	270589	25.03 ug/L	97
53) Tetrachloroethene	15.08	164	379594	25.83 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.88	131	376298	26.23 ug/L	98
55) Chlorobenzene	15.99	112	1006476	24.15 ug/L	99
56) Ethylbenzene	16.24	91	1857231	26.33 ug/L	99
57) m,p-Xylenes	16.51	106	628744	24.45 ug/L	95
58) Styrene	16.96	104	1001976	26.18 ug/L	98
59) o-Xylene	17.06	106	605795	24.30 ug/L	95
62) Bromoform	16.68	173	233549	29.58 ug/L	98
63) 1,1,2,2-Tetrachloroethane	17.05	83	245970	22.48 ug/L	98
64) 1,2,3-Trichloropropane	17.25	110	70464	24.06 ug/L	96
65) Isopropylbenzene	17.56	105	1606150	25.80 ug/L	98
66) Bromobenzene	17.92	156	438696	24.76 ug/L	98
67) n-Propylbenzene	18.17	91	2037149	24.48 ug/L	99
68) 2-Chlorotoluene	18.31	91	1271930	24.32 ug/L	98
69) 4-Chlorotoluene	18.42	91	1278020	24.52 ug/L	99
70) 1,3,5-Trimethylbenzene	18.57	105	1397804	25.08 ug/L	95
71) tert-Butylbenzene	18.96	119	1141649	25.58 ug/L	97
72) 1,2,4-Trimethylbenzene	19.11	105	1421815	25.62 ug/L	96
73) sec-Butylbenzene	19.25	105	1824073	25.14 ug/L	100
74) 1,3-Dichlorobenzene	19.36	146	756893	23.35 ug/L	98
75) 1,4-Dichlorobenzene	19.44	146	756886	23.75 ug/L	98
76) p-Isopropyltoluene	19.48	119	1459478	25.61 ug/L	97
77) 1,2-Dichlorobenzene	19.88	146	683579	24.20 ug/L	99
78) n-Butylbenzene	19.98	91	1484636	25.19 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.45	75	41975	22.80 ug/L	99
80) 1,2,4-Trichlorobenzene	22.15	180	566108	27.58 ug/L	100
81) Naphthalene	22.50	128	700850	26.30 ug/L	100
82) Hexachlorobutadiene	22.55	225	304001	28.38 ug/L	99
83) 1,2,3-Trichlorobenzene	22.77	180	451962	26.89 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141114.D 030211.M Mon Mar 14 16:05:06 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:04 2011 Quant Results File: 030211.RES

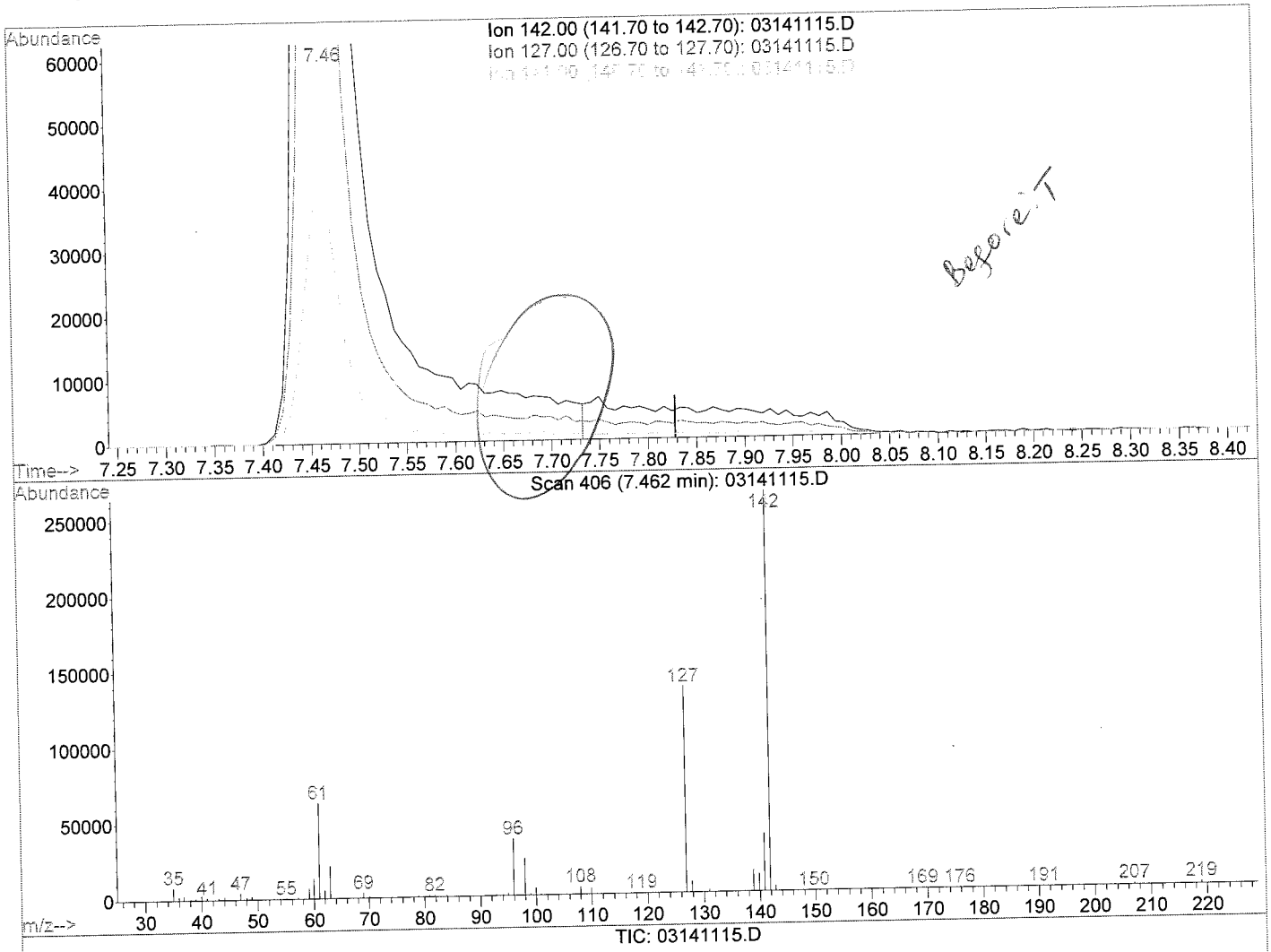
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:05 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration



(12) Iodomethane (T)

7.46min 43.72ug/L

response 867752

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	50.14
141.00	14.20	13.72
0.00	0.00	0.00

MS 3/15/11

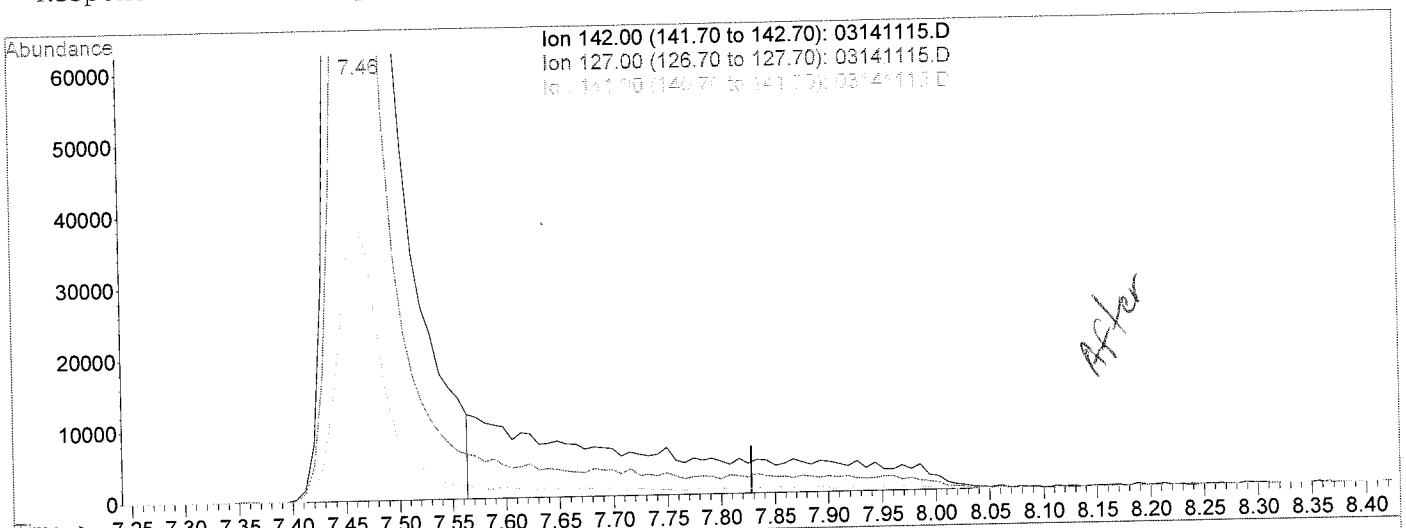
03141115.D 030211.M Mon Mar 14 16:05:30 2011

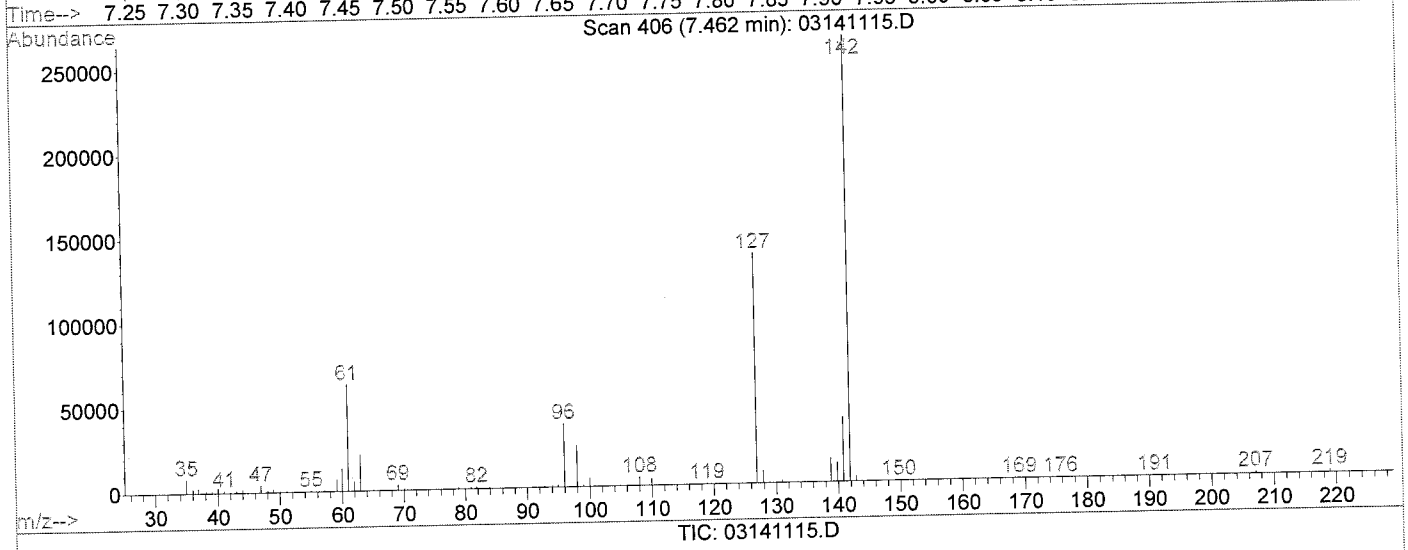
M 4/11/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:05 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(12) Iodomethane (T)

7.46min 39.84ug/L m

response 788912

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	55.15#
141.00	14.20	15.09
0.00	0.00	0.00

NL

03141115.D 030211.M Mon Mar 14 16:05:38 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:05 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	129547	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	670991	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	997408	25.00 ug/L	-0.02
48) Chlorobenzene-d5	15.95	117	901010	25.00 ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.41	152	492423	25.00 ug/L	-0.02
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	393722	24.39 ug/L	0.00
Spiked Amount 25.000			Recovery =	97.56%	
46) Toluene-d8	13.99	98	1093905	25.41 ug/L	-0.02
Spiked Amount 25.000			Recovery =	101.64%	
60) 4-Bromofluorobenzene	17.62	95	493360	27.27 ug/L	-0.02
Spiked Amount 25.000			Recovery =	109.08%	

Target Compounds					Qvalue
2) Ethanol	5.90	45	28140	253.68 ug/L	90
3) tert-Butanol (TBA)	7.41	59	168991	176.99 ug/L	98
5) Dichlorodifluoromethane	4.48	85	1268670	48.60 ug/L	100
6) Chloromethane	4.77	50	648190	27.77 ug/L	97
7) Vinyl chloride	5.06	62	751169	47.23 ug/L	100
8) Bromomethane	5.66	94	677359	35.56 ug/L	100
9) Chloroethane	5.87	64	623605	41.83 ug/L	97
10) Trichlorofluoromethane	6.68	101	1569660	54.75 ug/L	99
11) Acetone	6.83	43	161282	45.14 ug/L	94
12) Iodomethane	7.46	142	788912m	39.84 ug/L	
13) 1,1-Dichloroethene	7.40	96	776665	48.48 ug/L	96
14) Methylene chloride	7.60	84	878981	45.24 ug/L	100
15) Freon 113	7.66	101	1003135	52.48 ug/L	97
16) Carbon disulfide	7.93	76	1987367	43.47 ug/L	96
17) trans-1,2-Dichloroethene	8.48	96	870839	49.42 ug/L	98
18) MTBE	8.62	73	1655128	55.47 ug/L	97
19) 1,1-Dichloroethane	8.80	63	1598093	46.89 ug/L	99
20) Vinyl acetate	8.96	43	807302	54.72 ug/L	99
21) n-Hexane	9.33	86	160622	43.66 ug/L	93
22) 2-Butanone (MEK)	9.34	72	42923	46.47 ug/L #	100
23) Diisopropylether (DIPE)	9.36	45	3035894	50.02 ug/L	98
24) cis-1,2-dichloroethene	9.55	96	919113	48.32 ug/L	98
25) Bromochloromethane	9.76	128	330831	45.51 ug/L	89
26) Chloroform	9.82	83	1706643	51.69 ug/L	97
27) 2,2-Dichloropropane	9.92	77	1333015	52.27 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	2371842	55.71 ug/L	97
30) 1,2-Dichloroethane	10.66	62	1113207	56.61 ug/L	96
31) 1,1,1-Trichloroethane	10.80	97	1562600	59.02 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	1664448	55.02 ug/L	98
34) 1,1-Dichloropropene	11.03	75	1190399	55.30 ug/L	99
35) Carbon tetrachloride	11.27	117	1325694	74.14 ug/L	99
36) Benzene	11.32	78	3016498	51.69 ug/L	95
37) Dibromomethane	12.04	93	455004	55.09 ug/L	95
38) 1,2-Dichloropropane	12.09	63	756947	49.61 ug/L	85
39) Trichloroethene	12.15	95	914194	55.12 ug/L	98
40) Bromodichloromethane	12.20	83	1230941	62.48 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141115.D 030211.M Mon Mar 14 16:06:16 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:05 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

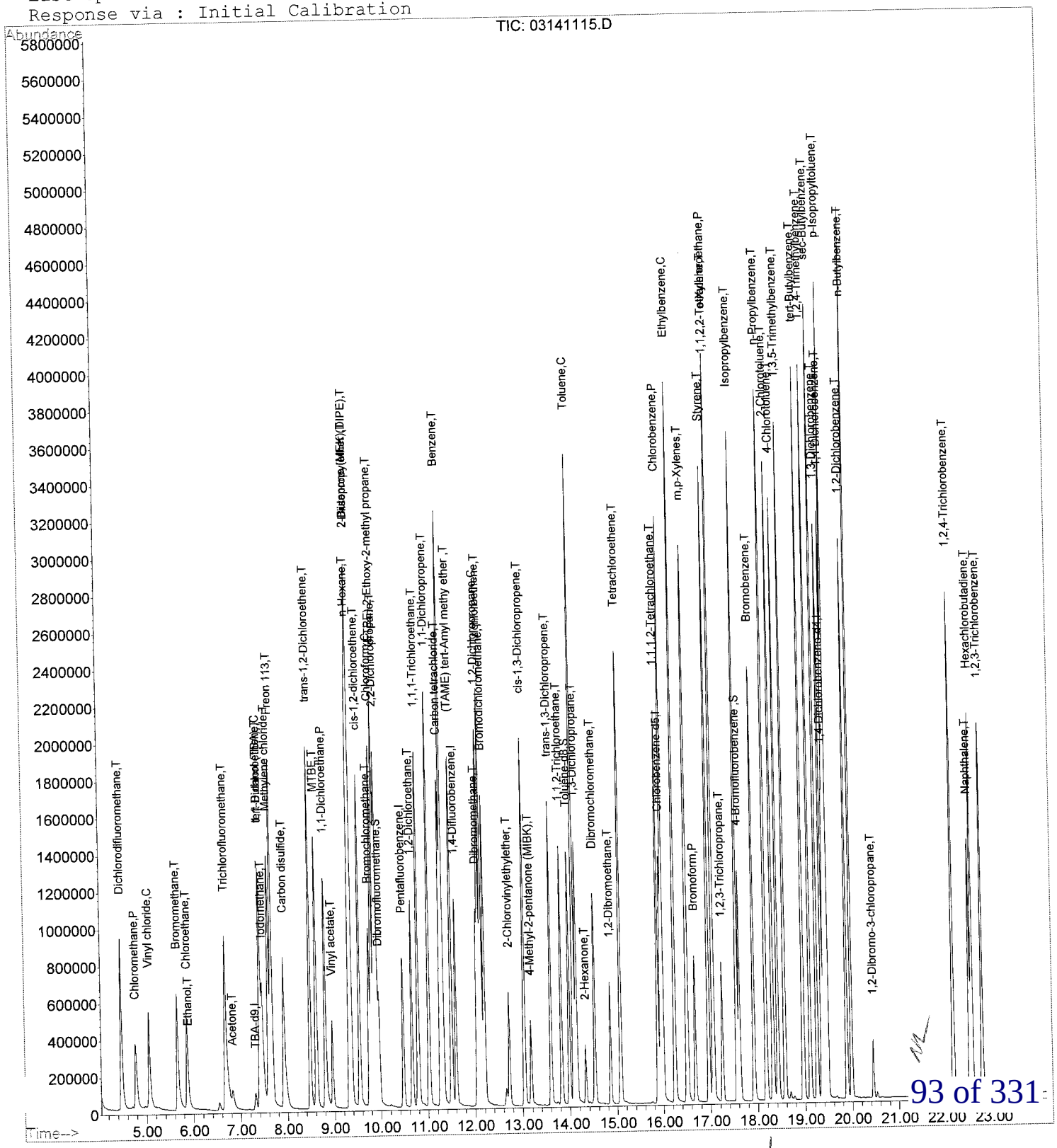
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	266778	59.06 ug/L	97
42) cis-1,3-Dichloropropene	13.04	75	1185095	56.11 ug/L	92
43) 4-Methyl-2-pentanone (MIBK	13.18	43	398644	51.85 ug/L	98
44) trans-1,3-Dichloropropene	13.61	75	1001184	59.90 ug/L	96
45) 1,1,2-Trichloroethane	13.82	97	514332	53.42 ug/L	95
47) Toluene	14.09	92	1779817	52.93 ug/L	100
49) 1,3-Dichloropropane	14.15	76	852950	46.36 ug/L	99
50) 2-Hexanone	14.33	43	268872	47.58 ug/L	98
51) Dibromochloromethane	14.52	129	714956	59.00 ug/L	100
52) 1,2-Dibromoethane	14.85	107	529074	50.85 ug/L	99
53) Tetrachloroethene	15.08	164	745600	52.70 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.88	131	735432	53.26 ug/L	97
55) Chlorobenzene	15.99	112	1983395	49.43 ug/L	100
56) Ethylbenzene	16.25	91	3510837	51.70 ug/L	99
57) m,p-Xylenes	16.51	106	1231716	49.76 ug/L	96
58) Styrene	16.96	104	1956092	53.10 ug/L	98
59) o-Xylene	17.07	106	1115033	46.47 ug/L	97
62) Bromoform	16.69	173	463856	58.76 ug/L	100
63) 1,1,2,2-Tetrachloroethane	17.05	83	450936	41.23 ug/L	98
64) 1,2,3-Trichloropropane	17.25	110	136352	46.56 ug/L	96
65) Isopropylbenzene	17.56	105	3017352	48.49 ug/L	98
66) Bromobenzene	17.93	156	844066	47.64 ug/L	97
67) n-Propylbenzene	18.17	91	3910942	47.01 ug/L	100
68) 2-Chlorotoluene	18.31	91	2486284	47.55 ug/L	98
69) 4-Chlorotoluene	18.42	91	2464331	47.30 ug/L	100
70) 1,3,5-Trimethylbenzene	18.58	105	2698442	48.44 ug/L	96
71) tert-Butylbenzene	18.96	119	2181767	48.90 ug/L	97
72) 1,2,4-Trimethylbenzene	19.11	105	2665132	48.03 ug/L	96
73) sec-Butylbenzene	19.25	105	3448685	47.54 ug/L	100
74) 1,3-Dichlorobenzene	19.36	146	1457934	44.99 ug/L	98
75) 1,4-Dichlorobenzene	19.44	146	1453388	45.62 ug/L	99
76) p-Isopropyltoluene	19.48	119	2797988	49.11 ug/L	97
77) 1,2-Dichlorobenzene	19.88	146	1316655	46.63 ug/L	99
78) n-Butylbenzene	19.98	91	2914423	49.46 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.45	75	85744	46.60 ug/L	97
80) 1,2,4-Trichlorobenzene	22.15	180	1130857	55.11 ug/L	99
81) Naphthalene	22.50	128	1372583	51.53 ug/L	98
82) Hexachlorobutadiene	22.55	225	587184	54.83 ug/L	98
83) 1,2,3-Trichlorobenzene	22.77	180	898332	53.46 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141115.D 030211.M Mon Mar 14 16:06:17 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:05 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration

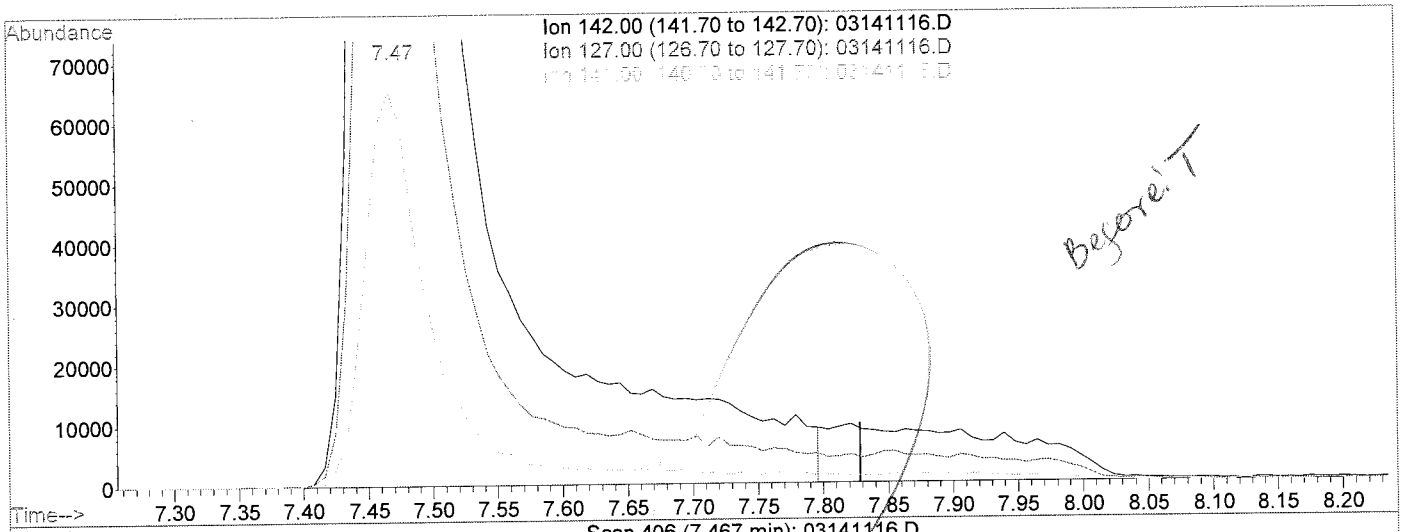


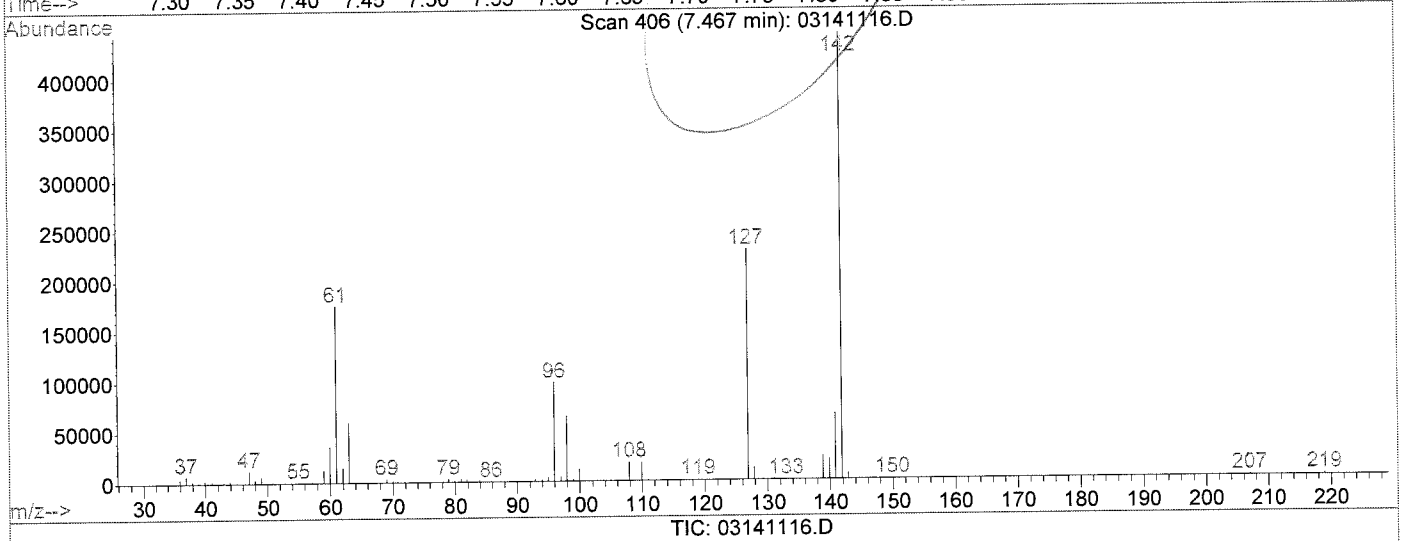
03141115.D 030211.M Mon Mar 14 16:06:18 2011

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:06 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





TIC: 03141116.D

(12) Iodomethane (T)

7.47min 80.82ug/L

response 1676242

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	50.57
141.00	14.20	14.67
0.00	0.00	0.00

NL 3/15/11

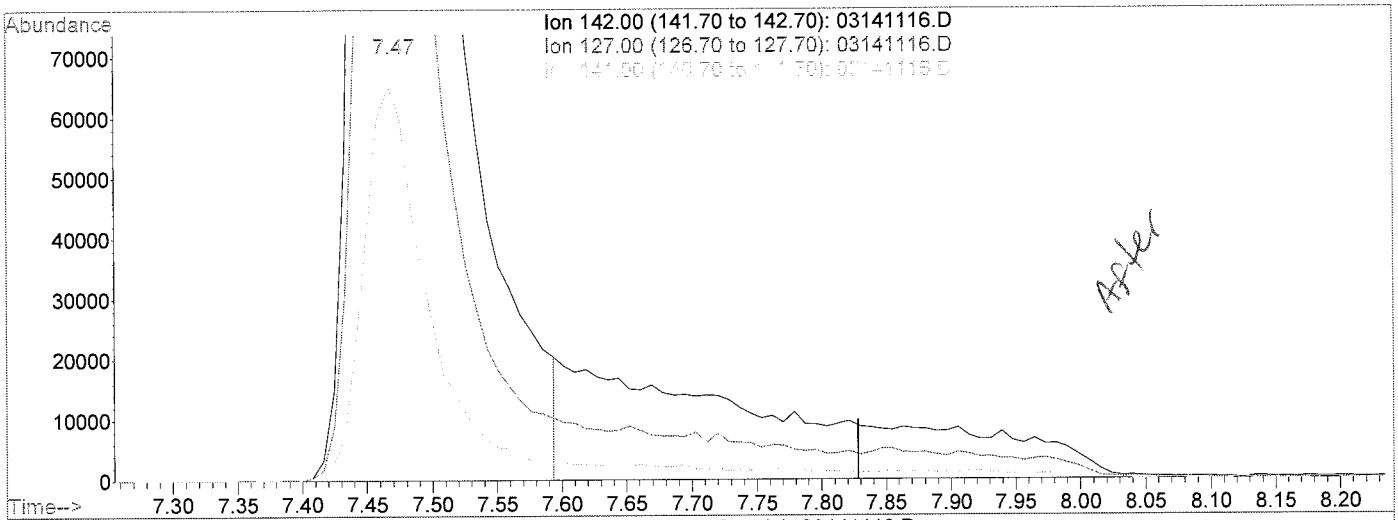
03141116.D 030211.M Mon Mar 14 16:06:39 2011

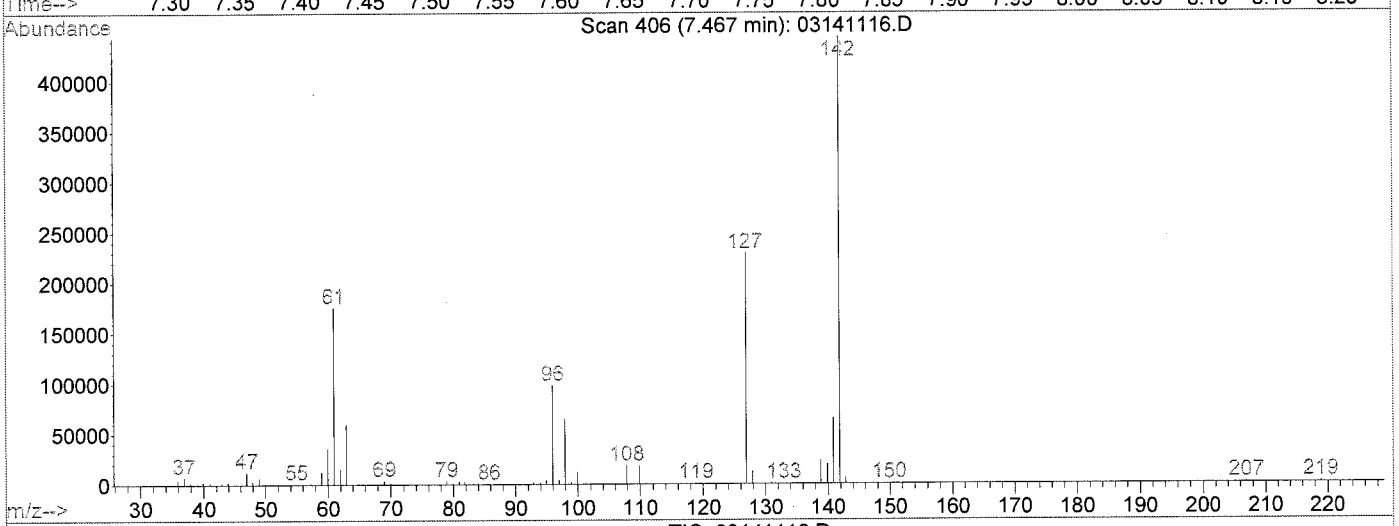
3/16/1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:06 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





TIC: 03141116.D

(12) Iodomethane (T)

7.47min 72.86ug/L m

response 1508939

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	56.17#
141.00	14.20	16.30
0.00	0.00	0.00

03141116.D 030211.M Mon Mar 14 16:06:46 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:06 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	113794	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	693519	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1026382	25.00 ug/L	-0.01
48) Chlorobenzene-d5	15.95	117	955378	25.00 ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.41	152	487259	25.00 ug/L	-0.02
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	404725	24.25 ug/L	0.00
Spiked Amount 25.000			Recovery =	97.00%	
46) Toluene-d8	13.99	98	1139190	25.71 ug/L	-0.01
Spiked Amount 25.000			Recovery =	102.84%	
60) 4-Bromofluorobenzene	17.63	95	485891	25.33 ug/L	-0.02
Spiked Amount 25.000			Recovery =	101.32%	

Target Compounds					Qvalue
2) Ethanol	5.91	45	46236	474.52 ug/L	97
3) tert-Butanol (TBA)	7.42	59	300094	357.81 ug/L	96
5) Dichlorodifluoromethane	4.48	85	2554129	94.67 ug/L	100
6) Chloromethane	4.77	50	1645801	68.23 ug/L	99
7) Vinyl chloride	5.05	62	1581189	96.19 ug/L	99
8) Bromomethane	5.66	94	1536604	76.97 ug/L	98
9) Chloroethane	5.87	64	1202091	78.01 ug/L	97
10) Trichlorofluoromethane	6.68	101	3224844	108.83 ug/L	100
11) Acetone	6.83	43	314036	85.04 ug/L	95
12) Iodomethane	7.47	142	1508939m	72.86 ug/L	
13) 1,1-Dichloroethene	7.42	96	1609439	97.21 ug/L	96
14) Methylene chloride	7.60	84	1776246	88.46 ug/L	100
15) Freon 113	7.67	101	2074880	105.02 ug/L	96
16) Carbon disulfide	7.93	76	4261670	90.44 ug/L	97
17) trans-1,2-Dichloroethene	8.49	96	1781041	97.79 ug/L	98
18) MTBE	8.62	73	3371583	109.33 ug/L	98
19) 1,1-Dichloroethane	8.81	63	3338609	94.77 ug/L	99
20) Vinyl acetate	8.96	43	1672603	109.68 ug/L	100
21) n-Hexane	9.33	86	320247	84.22 ug/L	94
22) 2-Butanone (MEK)	9.35	72	84260	88.26 ug/L #	97
23) Diisopropylether (DIPE)	9.37	45	5833936	92.99 ug/L	99
24) cis-1,2-dichloroethene	9.55	96	1915971	97.45 ug/L	98
25) Bromochloromethane	9.76	128	695057	92.51 ug/L	88
26) Chloroform	9.82	83	3490527	102.29 ug/L	97
27) 2,2-Dichloropropane	9.92	77	2752255	104.42 ug/L	99
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	4704788	106.92 ug/L	97
30) 1,2-Dichloroethane	10.66	62	2288489	112.60 ug/L	96
31) 1,1,1-Trichloroethane	10.79	97	3196019	116.80 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	3339084	106.79 ug/L	97
34) 1,1-Dichloropropene	11.03	75	2483128	112.10 ug/L	100
35) Carbon tetrachloride	11.27	117	2708678	146.72 ug/L	99
36) Benzene	11.32	78	6052292	100.79 ug/L	95
37) Dibromomethane	12.05	93	912847	107.41 ug/L	94
38) 1,2-Dichloropropane	12.09	63	1518990	96.74 ug/L	86
39) Trichloroethene	12.15	95	1886393	110.54 ug/L	98
40) Bromodichloromethane	12.21	83	2439967	120.35 ug/L	100

(#) = qualifier out of range (m) = manual integration
03141116.D 030211.M Mon Mar 14 16:07:18 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:06 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

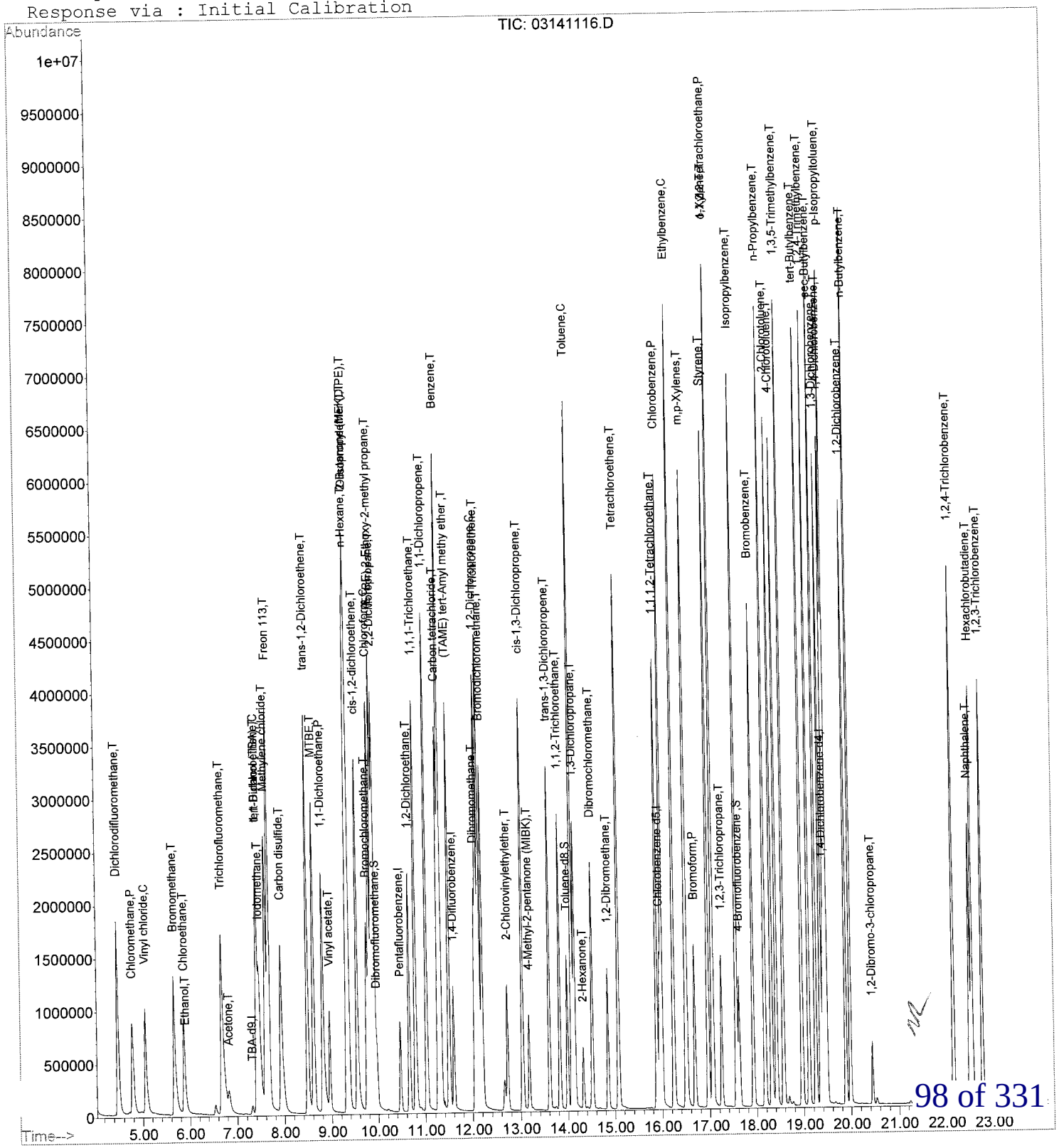
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	540136	116.20 ug/L	97
42) cis-1,3-Dichloropropene	13.04	75	2422907	111.48 ug/L	93
43) 4-Methyl-2-pentanone (MIBK	13.18	43	790515	99.92 ug/L	97
44) trans-1,3-Dichloropropene	13.61	75	2038801	118.54 ug/L	96
45) 1,1,2-Trichloroethane	13.83	97	1058683	106.85 ug/L	96
47) Toluene	14.09	92	3515619	101.60 ug/L	98
49) 1,3-Dichloropropane	14.15	76	1708221	87.57 ug/L	100
50) 2-Hexanone	14.33	43	518728	86.57 ug/L	98
51) Dibromochloromethane	14.52	129	1459234	113.57 ug/L	100
52) 1,2-Dibromoethane	14.86	107	1082579	98.13 ug/L	99
53) Tetrachloroethene	15.08	164	1519487	101.29 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.89	131	1512845	103.33 ug/L	97
55) Chlorobenzene	16.00	112	3917483	92.08 ug/L	100
56) Ethylbenzene	16.25	91	6837089	94.95 ug/L	100
57) m,p-Xylenes	16.51	106	2462109	93.80 ug/L	97
58) Styrene	16.97	104	3789547	97.01 ug/L	97
59) o-Xylene	17.07	106	2256874	88.70 ug/L	98
62) Bromoform	16.69	173	944244	120.88 ug/L	100
63) 1,1,2,2-Tetrachloroethane	17.05	83	873846	80.75 ug/L	98
64) 1,2,3-Trichloropropane	17.26	110	274845	94.85 ug/L	98
65) Isopropylbenzene	17.57	105	5973801	97.02 ug/L	99
66) Bromobenzene	17.92	156	1680625	95.87 ug/L	96
67) n-Propylbenzene	18.17	91	7541537	91.61 ug/L	99
68) 2-Chlorotoluene	18.32	91	4706461	90.96 ug/L	98
69) 4-Chlorotoluene	18.42	91	4886222	94.78 ug/L	100
70) 1,3,5-Trimethylbenzene	18.57	105	5395308	97.87 ug/L	98
71) tert-Butylbenzene	18.97	119	4264845	96.60 ug/L	97
72) 1,2,4-Trimethylbenzene	19.11	105	5218841	95.05 ug/L	97
73) sec-Butylbenzene	19.25	105	6660721	92.80 ug/L	100
74) 1,3-Dichlorobenzene	19.36	146	2835322	88.43 ug/L	98
75) 1,4-Dichlorobenzene	19.44	146	2796075	88.70 ug/L	99
76) p-Isopropyltoluene	19.48	119	5291995	93.88 ug/L	97
77) 1,2-Dichlorobenzene	19.89	146	2559332	91.60 ug/L	99
78) n-Butylbenzene	19.99	91	5507303	94.45 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.44	75	161576	88.74 ug/L	100
80) 1,2,4-Trichlorobenzene	22.16	180	2217200	109.19 ug/L	99
81) Naphthalene	22.50	128	2569603	97.49 ug/L	99
82) Hexachlorobutadiene	22.55	225	1189477	112.25 ug/L	100
83) 1,2,3-Trichlorobenzene	22.77	180	1773297	106.65 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141116.D 030211.M Mon Mar 14 16:07:18 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:06 2011 Quant Results File: 030211.RES

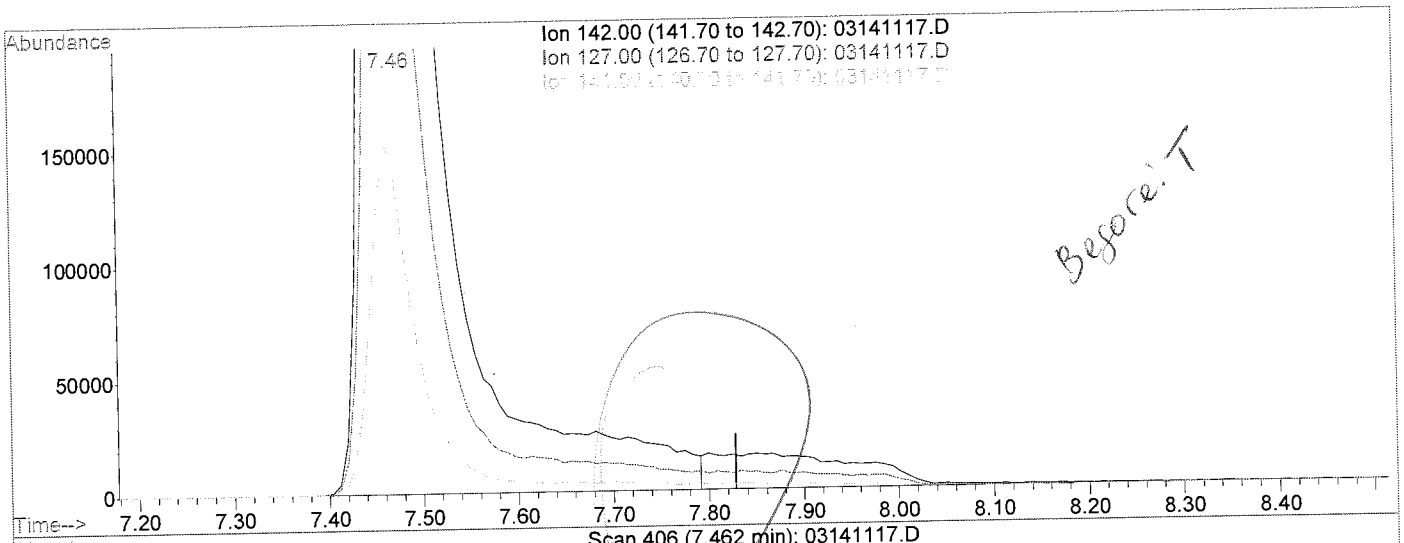
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration

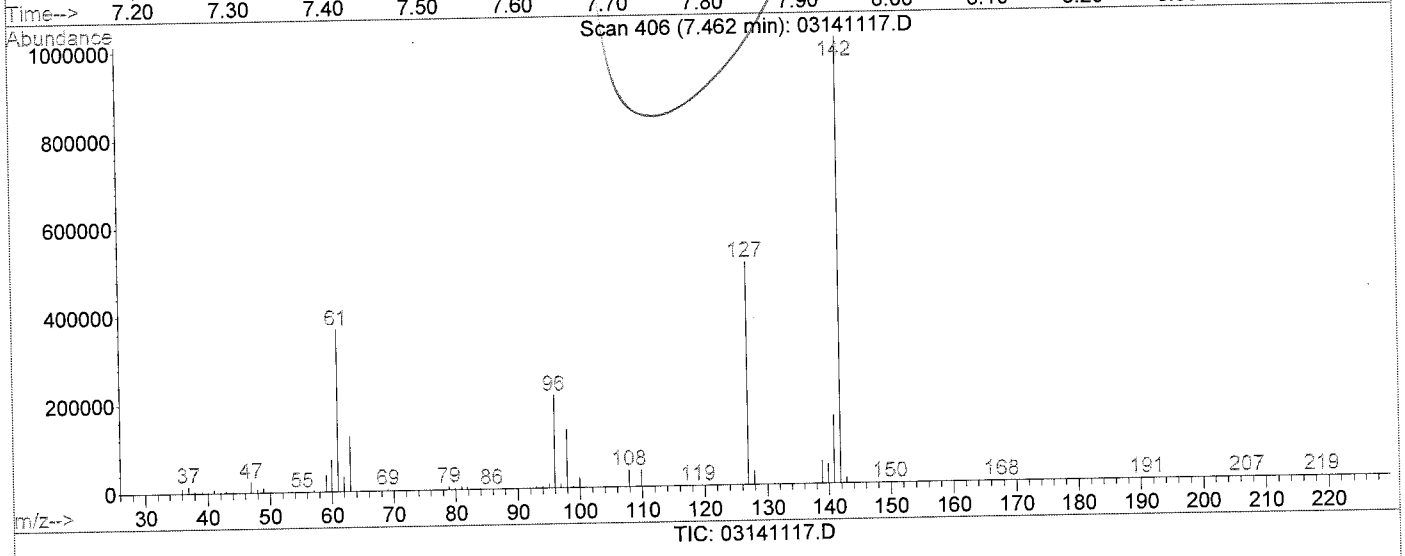


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:07 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(12) Iodomethane (T)

7.46min 175.09ug/L

response 3688724

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	49.98
141.00	14.20	14.19
0.00	0.00	0.00

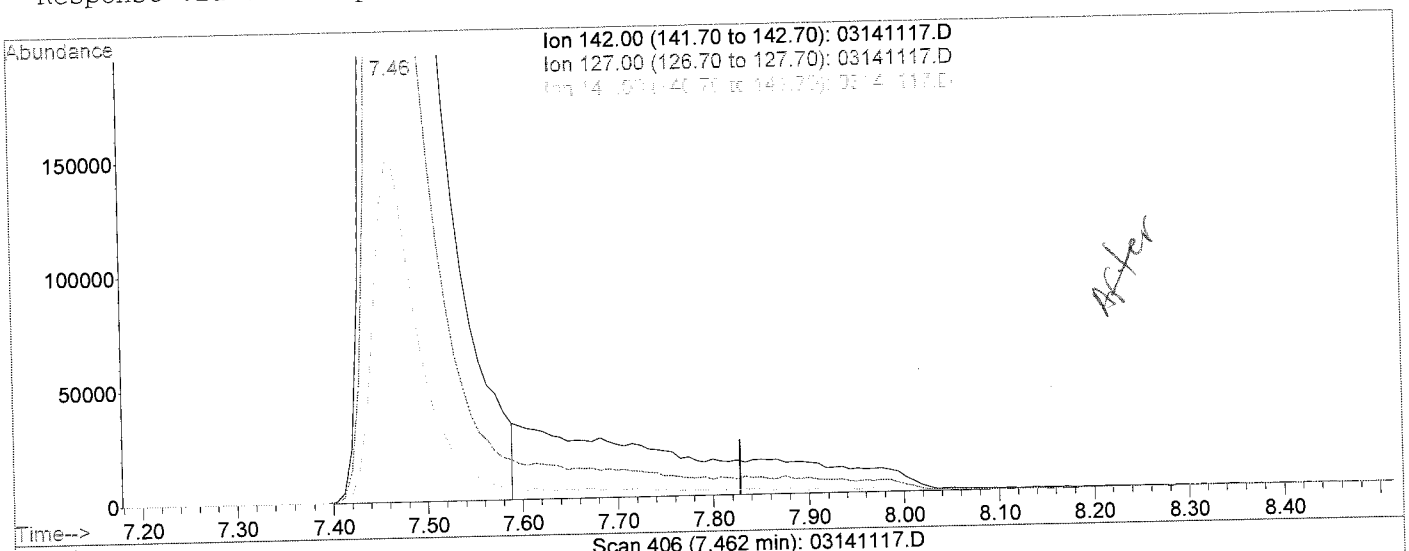
NL 3/15/11

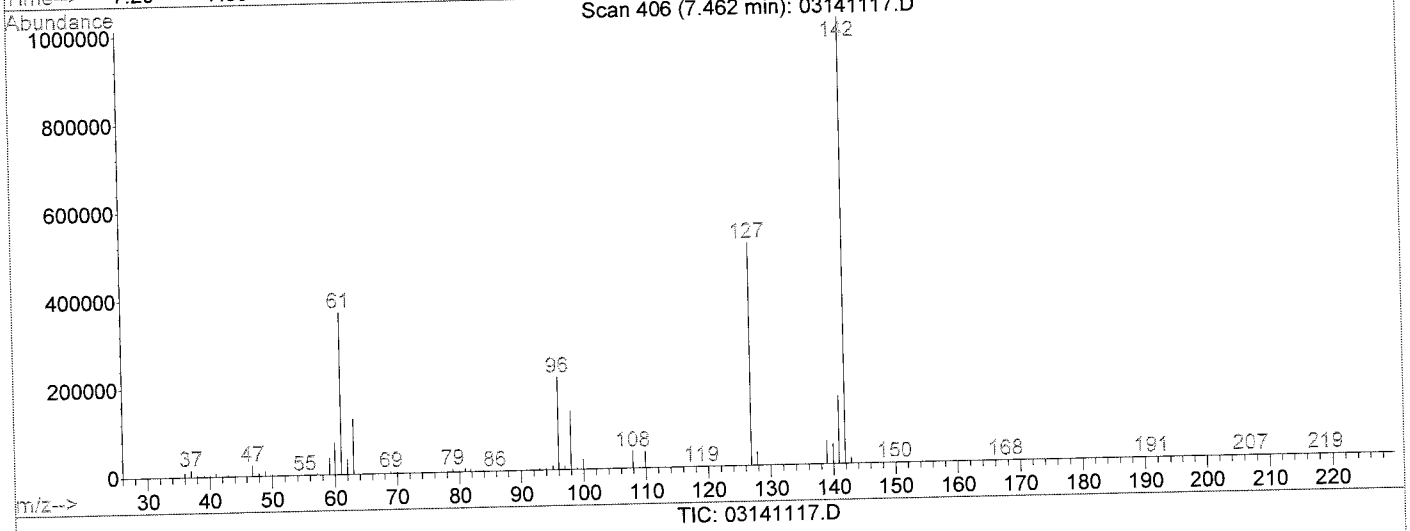
03141117.D 030211.M Mon Mar 14 16:07:44 2011 m 3/15/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:07 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(12) Iodomethane (T)

7.46min 161.63ug/L m

response 3403531

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	54.17#
141.00	14.20	15.37
0.00	0.00	0.00

NL

03141117.D 030211.M Mon Mar 14 16:07:49 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:07 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.32	65	129365	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	699660	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.61	114	1006186	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	917970	25.00 ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.41	152	479748	25.00 ug/L	-0.02
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	398274	23.66 ug/L	0.00
Spiked Amount 25.000			Recovery =	94.64%	
46) Toluene-d8	13.99	98	1157719	26.66 ug/L	0.00
Spiked Amount 25.000			Recovery =	106.64%	
60) 4-Bromofluorobenzene	17.62	95	485250	26.33 ug/L	-0.02
Spiked Amount 25.000			Recovery =	105.32%	

Target Compounds					Qvalue
2) Ethanol	5.91	45	94550	853.57 ug/L	96
3) tert-Butanol (TBA)	7.42	59	623983	654.44 ug/L	96
5) Dichlorodifluoromethane	4.48	85	4978796	182.92 ug/L	99
6) Chloromethane	4.77	50	3627894	149.08 ug/L	100
7) Vinyl chloride	5.04	62	2933915	176.92 ug/L	100
8) Bromomethane	5.66	94	3378676	166.69 ug/L	100
9) Chloroethane	5.87	64	2408104	154.90 ug/L	98
10) Trichlorofluoromethane	6.68	101	6350872	212.45 ug/L	100
11) Acetone	6.83	43	712547	191.25 ug/L	97
12) Iodomethane	7.46	142	3403531m	161.63 ug/L	
13) 1,1-Dichloroethene	7.41	96	3203884	191.81 ug/L	95
14) Methylene chloride	7.60	84	3539558	174.72 ug/L	99
15) Freon 113	7.66	101	4003342	200.85 ug/L	95
16) Carbon disulfide	7.93	76	8527296	179.62 ug/L	97
17) trans-1,2-Dichloroethene	8.49	96	3483064	189.57 ug/L	99
18) MTBE	8.62	73	7020635	225.67 ug/L	98
19) 1,1-Dichloroethane	8.81	63	6427460	180.85 ug/L	99
20) Vinyl acetate	8.96	43	3622976	235.49 ug/L	100
21) n-Hexane	9.33	86	604351	157.54 ug/L	91
22) 2-Butanone (MEK)	9.35	72	170530	177.07 ug/L #	80
23) Diisopropylether (DIPE)	9.37	45	11136877	175.96 ug/L	99
24) cis-1,2-dichloroethene	9.55	96	3661493	184.60 ug/L	98
25) Bromochloromethane	9.77	128	1405227	185.40 ug/L	91
26) Chloroform	9.82	83	6678986	194.01 ug/L	96
27) 2,2-Dichloropropane	9.93	77	5304843	199.51 ug/L	99
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	9368890	211.04 ug/L	97
30) 1,2-Dichloroethane	10.66	62	4567841	222.78 ug/L	96
31) 1,1,1-Trichloroethane	10.80	97	6043640	218.93 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	6670791	211.48 ug/L	97
34) 1,1-Dichloropropene	11.03	75	4722226	217.45 ug/L	98
35) Carbon tetrachloride	11.28	117	5241717	289.16 ug/L	98
36) Benzene	11.32	78	11220600	190.61 ug/L	94
37) Dibromomethane	12.05	93	1825022	219.05 ug/L	94
38) 1,2-Dichloropropane	12.09	63	2880453	187.12 ug/L	90
39) Trichloroethene	12.15	95	3587777	214.45 ug/L	99
40) Bromodichloromethane	12.21	83	4858580	244.45 ug/L	100

(#) = qualifier out of range (m) = manual integration
03141117.D 030211.M Mon Mar 14 16:08:20 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:07 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

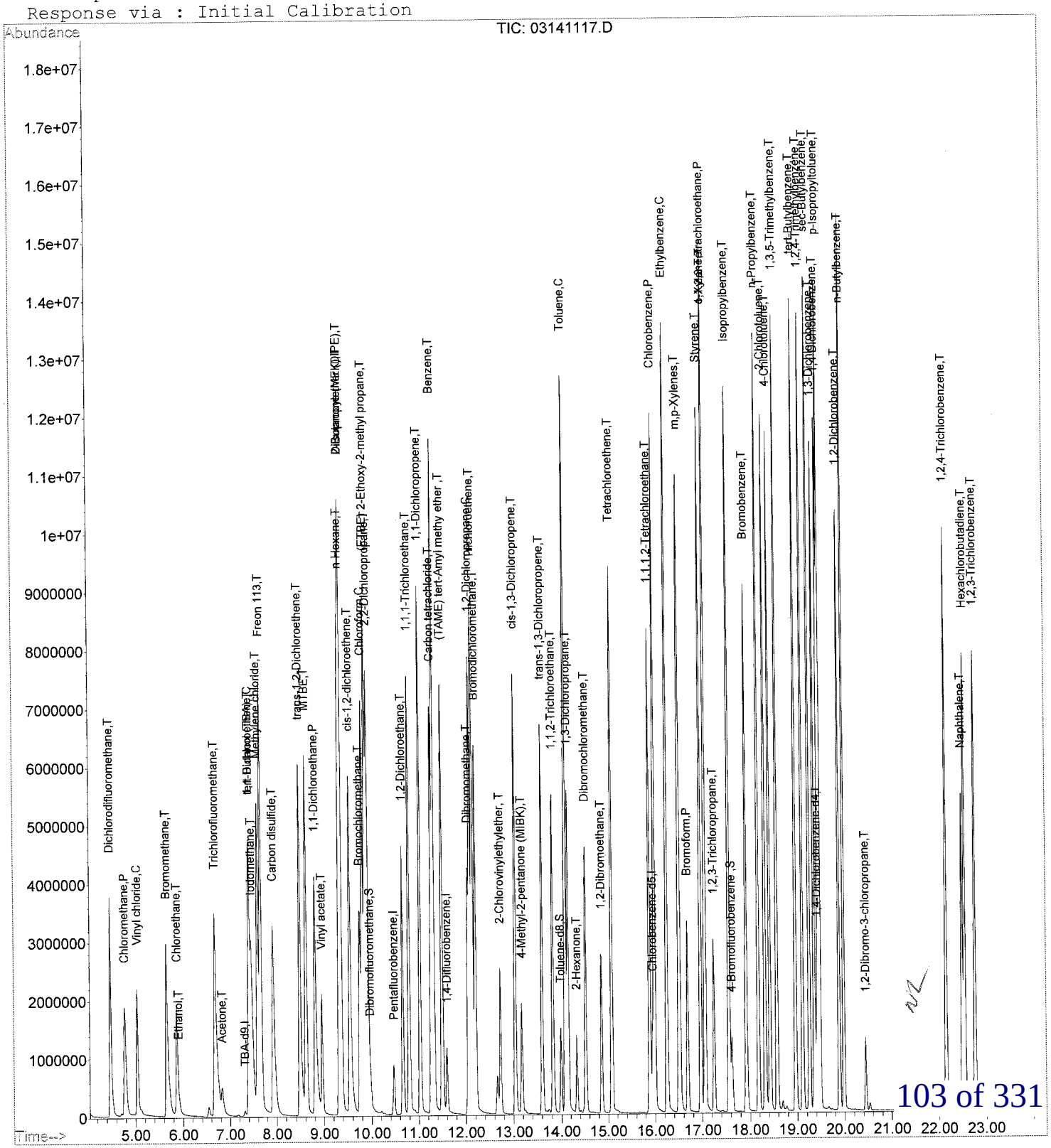
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	1142848	250.79 ug/L	96
42) cis-1,3-Dichloropropene	13.04	75	4684444	219.87 ug/L	93
43) 4-Methyl-2-pentanone (MIBK	13.17	43	1726401	222.61 ug/L	100
44) trans-1,3-Dichloropropene	13.61	75	4141624	245.63 ug/L	96
45) 1,1,2-Trichloroethane	13.83	97	2150786	221.42 ug/L	97
47) Toluene	14.09	92	6860422	202.24 ug/L	97
49) 1,3-Dichloropropane	14.15	76	3459676	184.59 ug/L	100
50) 2-Hexanone	14.33	43	1133041	196.80 ug/L	99
51) Dibromochloromethane	14.52	129	3004500	243.37 ug/L	100
52) 1,2-Dibromoethane	14.85	107	2245419	211.83 ug/L	99
53) Tetrachloroethene	15.08	164	2909810	201.87 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.88	131	3044708	216.43 ug/L	96
55) Chlorobenzene	15.99	112	7715745	188.75 ug/L	99
56) Ethylbenzene	16.25	91	12545598	181.33 ug/L	98
57) m,p-Xylenes	16.52	106	4695826	186.18 ug/L	100
58) Styrene	16.96	104	7335940	195.45 ug/L	98
59) o-Xylene	17.07	106	4257910	174.17 ug/L	98
62) Bromoform	16.69	173	1975315	256.84 ug/L	99
63) 1,1,2,2-Tetrachloroethane	17.06	83	1734795	162.81 ug/L #	98
64) 1,2,3-Trichloropropane	17.26	110	571615	200.36 ug/L	97
65) Isopropylbenzene	17.57	105	11035185	182.02 ug/L	99
66) Bromobenzene	17.93	156	3228495	187.05 ug/L	96
67) n-Propylbenzene	18.18	91	13380305	165.08 ug/L	97
68) 2-Chlorotoluene	18.32	91	8711898	171.00 ug/L	100
69) 4-Chlorotoluene	18.42	91	8804435	173.45 ug/L	98
70) 1,3,5-Trimethylbenzene	18.58	105	9721195	179.11 ug/L	99
71) tert-Butylbenzene	18.96	119	7867457	180.99 ug/L	97
72) 1,2,4-Trimethylbenzene	19.12	105	9604835	177.67 ug/L	99
73) sec-Butylbenzene	19.26	105	11909009	168.52 ug/L	98
74) 1,3-Dichlorobenzene	19.36	146	5330110	168.84 ug/L	98
75) 1,4-Dichlorobenzene	19.44	146	5270566	169.81 ug/L	98
76) p-Isopropyltoluene	19.49	119	9529633	171.70 ug/L	98
77) 1,2-Dichlorobenzene	19.89	146	4794946	174.30 ug/L	98
78) n-Butylbenzene	19.98	91	9702846	169.01 ug/L	97
79) 1,2-Dibromo-3-chloropropan	20.45	75	325159	181.37 ug/L	96
80) 1,2,4-Trichlorobenzene	22.15	180	4352414	217.69 ug/L	99
81) Naphthalene	22.50	128	5414389	208.63 ug/L	98
82) Hexachlorobutadiene	22.55	225	2333987	223.71 ug/L	99
83) 1,2,3-Trichlorobenzene	22.77	180	3553855	217.08 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141117.D 030211.M Mon Mar 14 16:08:20 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:07 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141118.D Vial: 15
Acq On : 14 Mar 2011 4:02 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Clean out

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.32	65	137543	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	705780	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1053626	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	944501	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	550559	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	402864	24.90 ug/L	0.00
Spiked Amount 25.000			Recovery =	99.60%	
46) Toluene-d8	13.99	98	1158834	24.94 ug/L	0.00
Spiked Amount 25.000			Recovery =	99.76%	
60) 4-Bromofluorobenzene	17.62	95	528692	25.38 ug/L	0.00
Spiked Amount 25.000			Recovery =	101.52%	
Target Compounds					Qvalue
2) Ethanol	5.92	45	134032	2444.80 ug/L	99
3) tert-Butanol (TBA)	7.42	59	479927	703.15 ug/L #	89
6) Chloromethane	4.77	50	18689	1.27 ug/L	79
7) Vinyl chloride	5.04	62	2359	0.15 ug/L	96
8) Bromomethane	5.65	94	6715	1.36 ug/L	98
11) Acetone	6.84	43	154438	44.16 ug/L	97
12) Iodomethane	7.48	142	19291	2.94 ug/L #	94
13) 1,1-Dichloroethene	7.40	96	2884	0.17 ug/L	94
14) Methylene chloride	7.60	84	8443	0.43 ug/L	85
15) Freon 113	7.66	101	2259	0.11 ug/L #	75
16) Carbon disulfide	7.93	76	46228	1.01 ug/L	99
17) trans-1,2-Dichloroethene	8.47	96	6358	0.34 ug/L	83
18) MTBE	8.63	73	15129	0.45 ug/L	98
20) Vinyl acetate	8.97	43	11349	0.70 ug/L #	94
21) n-Hexane	9.32	86	394	0.11 ug/L #	1
22) 2-Butanone (MEK)	9.35	72	21253	22.82 ug/L #	1
23) Diisopropylether (DIPE)	9.36	45	12563	0.20 ug/L #	1
24) cis-1,2-dichloroethene	9.55	96	6259	0.31 ug/L	91
25) Bromochloromethane	9.76	128	3934	0.57 ug/L #	77
26) Chloroform	9.82	83	5199	0.14 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	12079	0.25 ug/L	95
30) 1,2-Dichloroethane	10.66	62	9666	0.41 ug/L	93
31) 1,1,1-Trichloroethane	10.80	97	2967	0.09 ug/L #	50
32) (TAME) tert-Amyl methy eth	11.50	73	18345	0.54 ug/L	95
34) 1,1-Dichloropropene	11.02	75	3339	0.13 ug/L	92
36) Benzene	11.33	78	7268	0.11 ug/L #	90
37) Dibromomethane	12.05	93	7731	0.80 ug/L	95
38) 1,2-Dichloropropane	12.09	63	2091	0.13 ug/L #	49
39) Trichloroethene	12.14	95	3598	0.18 ug/L	96
40) Bromodichloromethane	12.20	83	4768	0.18 ug/L	90
41) 2-Chlorovinylethylether	12.74	63	5065	0.93 ug/L	93
42) cis-1,3-Dichloropropene	13.04	75	9776	0.39 ug/L #	78
43) 4-Methyl-2-pentanone (MIBK	13.18	43	81138	9.88 ug/L	96
44) trans-1,3-Dichloropropene	13.61	75	12226	0.59 ug/L #	77
45) 1,1,2-Trichloroethane	13.83	97	5100	0.46 ug/L	87
47) Toluene	14.09	92	8027	0.20 ug/L	98

(#) = qualifier out of range (m) = manual integration
03141118.D 031411.M Tue Mar 15 14:26:37 2011

NL 3/15/11

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141118.D Vial: 15
Acq On : 14 Mar 2011 4:02 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
49) 1,3-Dichloropropane	14.15	76	8666	0.47 ug/L #	87
50) 2-Hexanone	14.33	43	118085	20.36 ug/L	99
51) Dibromochloromethane	14.52	129	5962	0.41 ug/L	96
52) 1,2-Dibromoethane	14.85	107	8978	0.81 ug/L	98
53) Tetrachloroethene	15.07	164	2634	0.16 ug/L	90
54) 1,1,1,2-Tetrachloroethane	15.89	131	6056	0.36 ug/L #	39
55) Chlorobenzene	15.99	112	19634	0.45 ug/L	90
56) Ethylbenzene	16.25	91	42390	0.55 ug/L	93
57) m,p-Xylenes	16.51	106	14995	0.55 ug/L	93
58) Styrene	16.96	104	43945	1.06 ug/L	98
59) o-Xylene	17.06	106	20333	0.60 ug/L #	84
62) Bromoform	16.69	173	10031	1.02 ug/L	95
63) 1,1,2,2-Tetrachloroethane	17.05	83	30576	2.87 ug/L #	93
64) 1,2,3-Trichloropropane	17.26	110	9536	3.09 ug/L	95
65) Isopropylbenzene	17.56	105	45190	0.64 ug/L	92
66) Bromobenzene	17.93	156	22927	1.17 ug/L	98
67) n-Propylbenzene	18.18	91	95436	1.04 ug/L	93
68) 2-Chlorotoluene	18.32	91	53576	0.93 ug/L #	87
69) 4-Chlorotoluene	18.42	91	62314	1.06 ug/L	98
70) 1,3,5-Trimethylbenzene	18.58	105	53943	0.85 ug/L	99
71) tert-Butylbenzene	18.96	119	48237	0.94 ug/L	97
72) 1,2,4-Trimethylbenzene	19.11	105	78643	1.24 ug/L	89
73) sec-Butylbenzene	19.25	105	98501	1.21 ug/L	99
74) 1,3-Dichlorobenzene	19.36	146	60665	1.73 ug/L	98
75) 1,4-Dichlorobenzene	19.44	146	59999	1.71 ug/L #	92
76) p-Isopropyltoluene	19.48	119	91875	1.40 ug/L #	87
77) 1,2-Dichlorobenzene	19.88	146	70992	2.32 ug/L	97
78) n-Butylbenzene	19.98	91	101557	1.54 ug/L	95
79) 1,2-Dibromo-3-chloropropan	20.45	75	26725	13.87 ug/L	95
80) 1,2,4-Trichlorobenzene	22.15	180	141163	5.68 ug/L	98
81) Naphthalene	22.50	128	487138	16.81 ug/L	99
82) Hexachlorobutadiene	22.56	225	49114	3.74 ug/L	99
83) 1,2,3-Trichlorobenzene	22.77	180	213207	10.69 ug/L	99

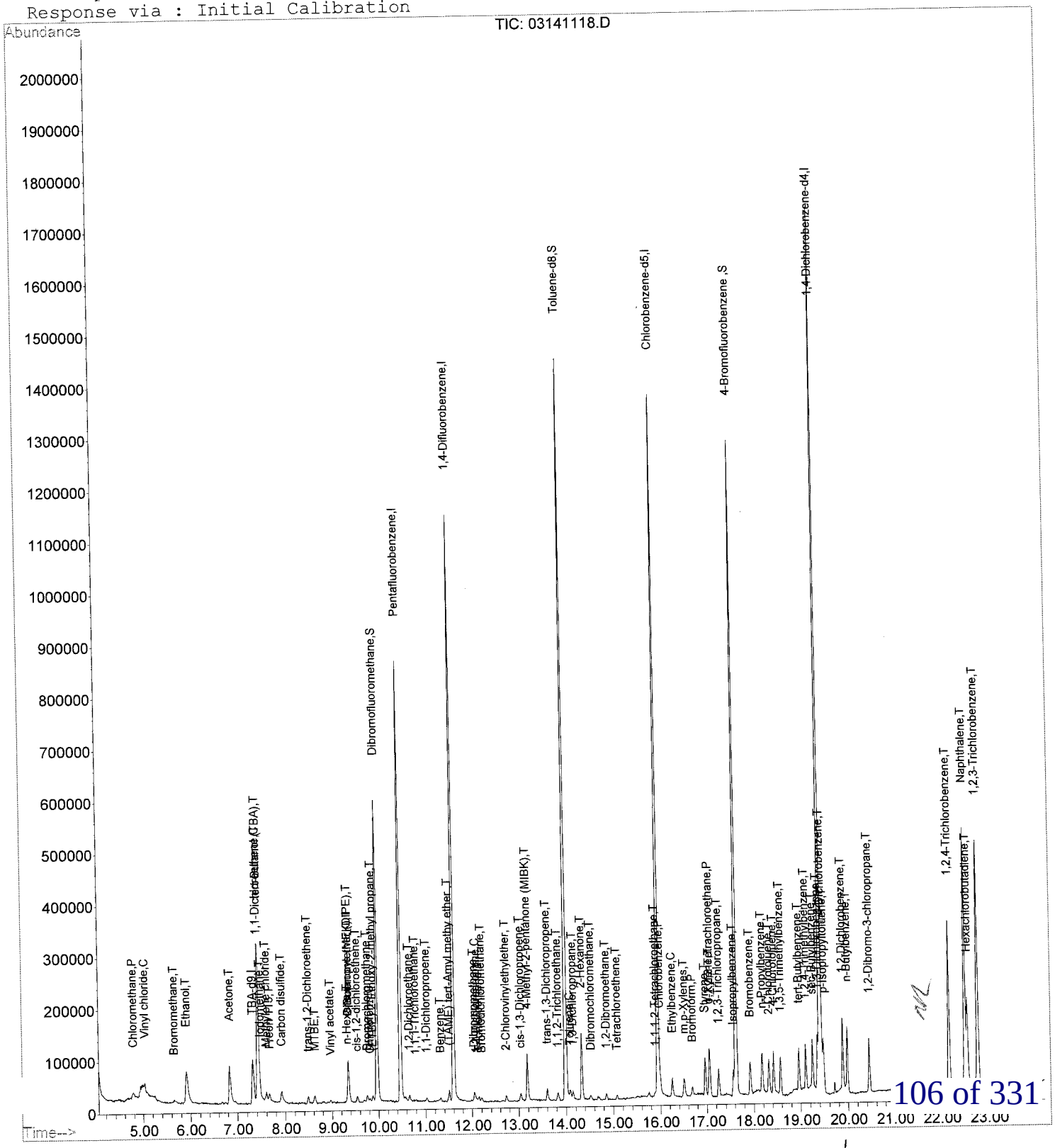
NL

(#) = qualifier out of range (m) = manual integration
03141118.D 031411.M Tue Mar 15 14:26:38 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141118.D Vial: 15
Acq On : 14 Mar 2011 4:02 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



03141118.D 031411.M Tue Mar 15 14:26:39 2011

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141119.D Vial: 16
Acq On : 14 Mar 2011 4:35 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

clean out

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.31	65	127967	200.00	ug/L	0.00
4) Pentafluorobenzene	10.47	168	713608	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1048264	25.00	ug/L	0.00
48) Chlorobenzene-d5	15.95	117	936781	25.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	514803	25.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	9.97	113	406352	24.84	ug/L	0.00
Spiked Amount 25.000			Recovery	=	99.36%	
46) Toluene-d8	13.99	98	1155511	24.99	ug/L	0.00
Spiked Amount 25.000			Recovery	=	99.96%	
60) 4-Bromofluorobenzene	17.62	95	515047	24.92	ug/L	0.00
Spiked Amount 25.000			Recovery	=	99.68%	

Target Compounds						Qvalue
2) Ethanol	5.91	45	68363	1340.28	ug/L	96
3) tert-Butanol (TBA)	7.43	59	119287	184.19	ug/L #	90
6) Chloromethane	4.78	50	6431	0.43	ug/L	98
8) Bromomethane	5.69	94	1923	0.98	ug/L	90
11) Acetone	6.84	43	2876	0.81	ug/L #	88
12) Iodomethane	7.48	142	2381	1.93	ug/L #	84
14) Methylene chloride	7.59	84	3564	0.18	ug/L	82
16) Carbon disulfide	7.92	76	20512	0.44	ug/L	99
17) trans-1,2-Dichloroethene	8.48	96	2786	0.15	ug/L #	53
21) n-Hexane	9.32	86	335	0.10	ug/L	77
24) cis-1,2-dichloroethene	9.54	96	2913	0.14	ug/L #	53
25) Bromochloromethane	9.75	128	1386	0.20	ug/L #	86
37) Dibromomethane	12.04	93	2172	0.22	ug/L #	19
42) cis-1,3-Dichloropropene	13.04	75	2743	0.11	ug/L #	56
43) 4-Methyl-2-pentanone (MIBK	13.18	43	3950	0.48	ug/L	89
44) trans-1,3-Dichloropropene	13.60	75	3578	0.17	ug/L #	66
45) 1,1,2-Trichloroethane	14.01	97	12843	1.17	ug/L #	1
50) 2-Hexanone	14.34	43	6863	1.19	ug/L #	91
52) 1,2-Dibromoethane	14.86	107	1251	0.11	ug/L	97
54) 1,1,1,2-Tetrachloroethane	15.90	131	1687	0.10	ug/L #	29
55) Chlorobenzene	15.99	112	4112	0.10	ug/L #	41
57) m,p-Xylenes	16.51	106	2763	0.10	ug/L	95
58) Styrene	16.97	104	5794	0.14	ug/L	95
59) o-Xylene	17.06	106	2449	Below Cal	#	93
63) 1,1,2,2-Tetrachloroethane	17.05	83	1505	0.15	ug/L #	84
64) 1,2,3-Trichloropropane	17.25	110	394	0.14	ug/L #	85
65) Isopropylbenzene	17.57	105	7274	0.11	ug/L #	89
66) Bromobenzene	17.92	156	3004	0.16	ug/L #	75
68) 2-Chlorotoluene	18.32	91	8833	0.16	ug/L #	78
69) 4-Chlorotoluene	18.42	91	10215	0.19	ug/L	97
70) 1,3,5-Trimethylbenzene	18.57	105	9715	0.16	ug/L	98
71) tert-Butylbenzene	18.96	119	10451	0.22	ug/L	95
72) 1,2,4-Trimethylbenzene	19.10	105	14754	0.25	ug/L	100
73) sec-Butylbenzene	19.25	105	18222	0.24	ug/L #	87
74) 1,3-Dichlorobenzene	19.36	146	17425	0.53	ug/L #	81
5) 1,4-Dichlorobenzene	19.44	146	10200	0.31	ug/L #	54

(#) = qualifier out of range (m) = manual integration
03141119.D 031411.M Tue Mar 15 14:26:46 2011

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141119.D Vial: 16
Acq On : 14 Mar 2011 4:35 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

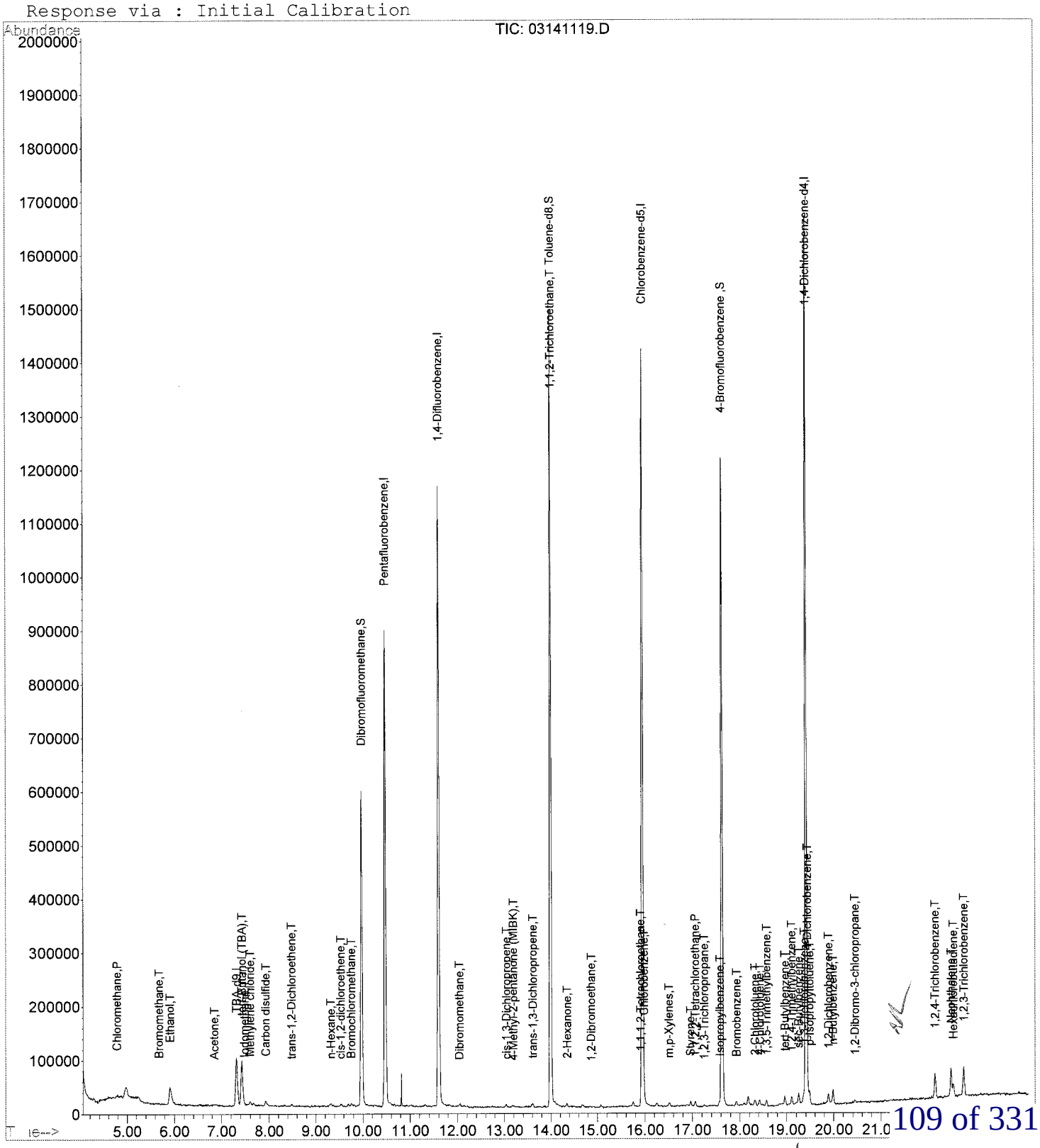
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
76)	p-Isopropyltoluene	19.48	119	22557	0.37 ug/L #	85
77)	1,2-Dichlorobenzene	19.89	146	10550	0.37 ug/L	94
78)	n-Butylbenzene	19.98	91	23432	0.38 ug/L	97
79)	1,2-Dibromo-3-chloropropan	20.45	75	1685	0.94 ug/L	89
80)	1,2,4-Trichlorobenzene	22.15	180	20340	0.87 ug/L	98
81)	Naphthalene	22.50	128	53317	1.97 ug/L	99
82)	Hexachlorobutadiene	22.56	225	7226	0.59 ug/L #	90
83)	1,2,3-Trichlorobenzene	22.77	180	26198	1.41 ug/L	97

(#) = qualifier out of range (m) = manual integration
03141119.D 031411.M Tue Mar 15 14:26:46 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141119.D Vial: 16
Acq On : 14 Mar 2011 4:35 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

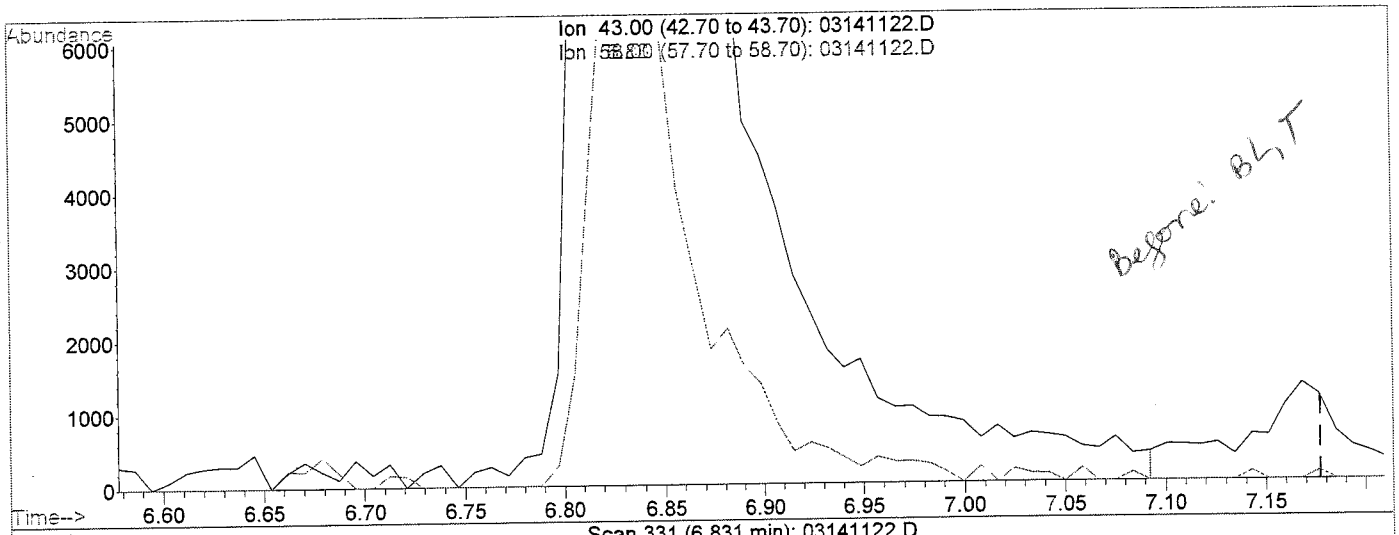
Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration

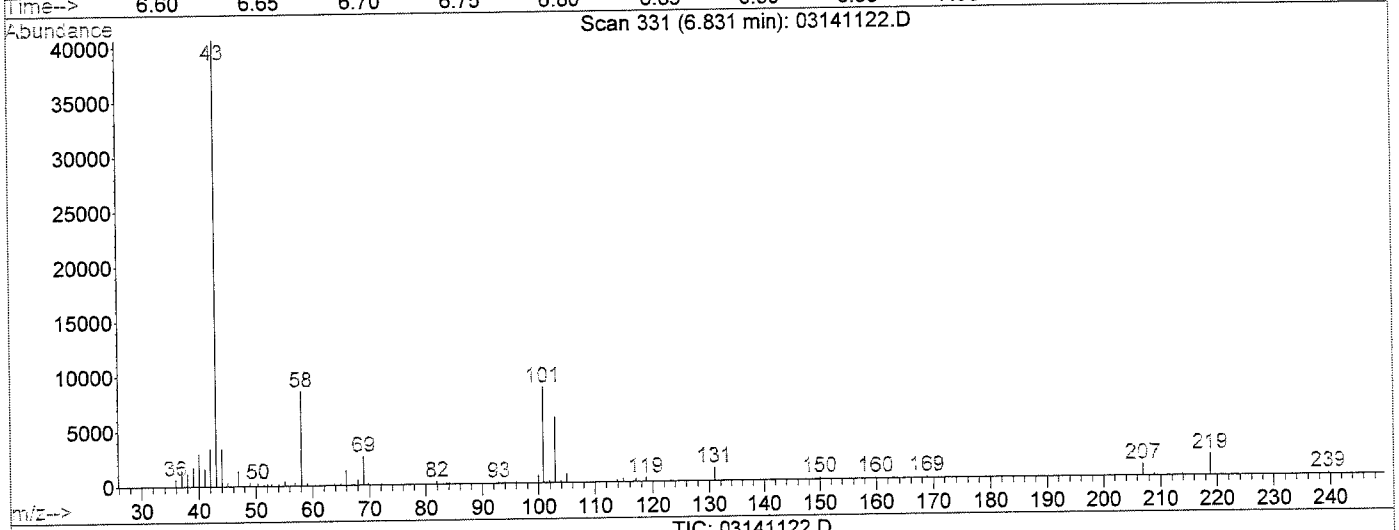


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 18:41 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration





TIC: 03141122.D

(11) Acetone (T)

6.83min 37.77ug/L

response 132114

Ion	Exp%	Act%
43.00	100	100
58.00	21.30	20.63
0.00	0.00	0.00
0.00	0.00	0.00

NL 3/15/11

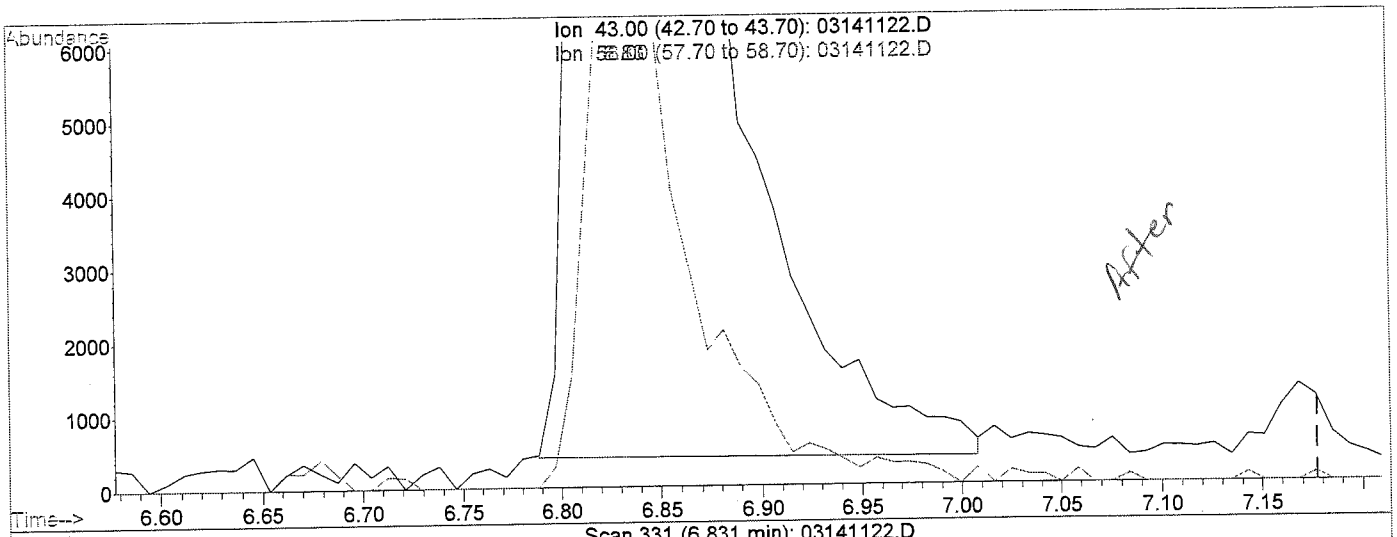
03141122.D 031411.M Tue Mar 15 14:37:27 2011

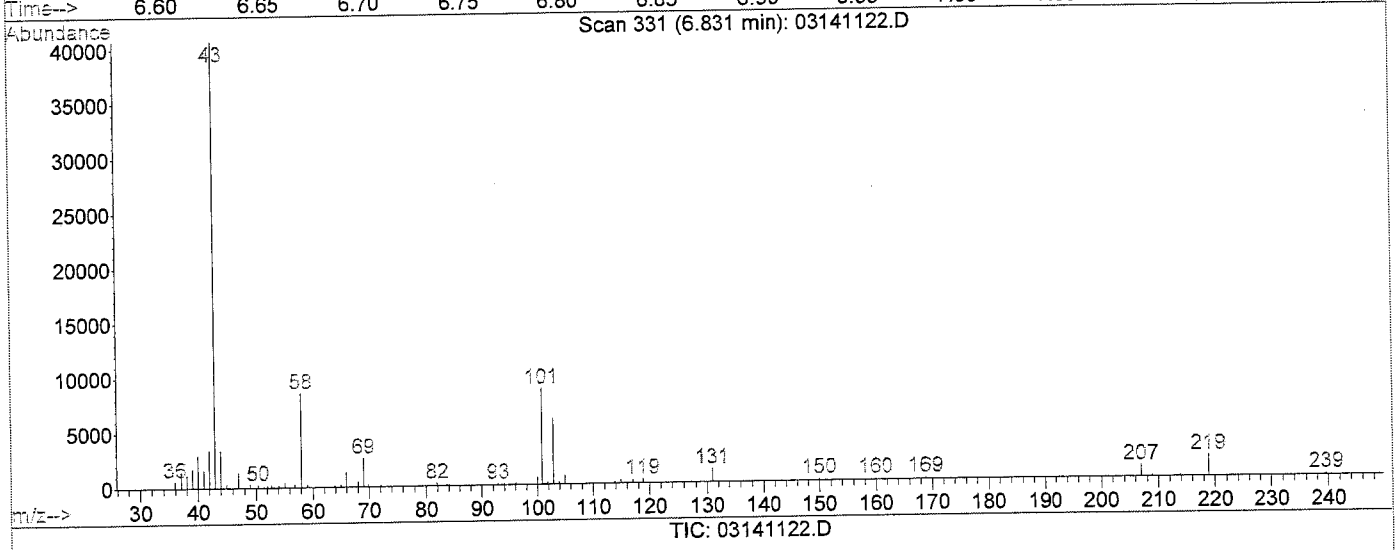
4/16/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:37 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration





(11) Acetone (T)

6.83min 35.28ug/L m

response 123411

Ion	Exp%	Act%
43.00	100	100
58.00	21.30	22.09
0.00	0.00	0.00
0.00	0.00	0.00

NL

03141122.D 031411.M Tue Mar 15 14:37:45 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:37 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	124354	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	706016	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.61	114	1059053	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	958616	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	484312	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	399298	24.67 ug/L	0.00
Spiked Amount 25.000			Recovery =	98.68%	
46) Toluene-d8	13.99	98	1164232	24.93 ug/L	0.00
Spiked Amount 25.000			Recovery =	99.72%	
60) 4-Bromofluorobenzene	17.62	95	506259	23.94 ug/L	0.00
Spiked Amount 25.000			Recovery =	95.76%	

Target Compounds					Qvalue
2) Ethanol	5.90	45	28459	574.16 ug/L	98
3) tert-Butanol (TBA)	7.41	59	106678	169.11 ug/L #	94
5) Dichlorodifluoromethane	4.48	85	572815	22.15 ug/L	98
6) Chloromethane	4.78	50	323600	22.05 ug/L	98
7) Vinyl chloride	5.06	62	394350	25.13 ug/L	98
8) Bromomethane	5.67	94	272231	21.51 ug/L	95
9) Chloroethane	5.87	64	331779	24.80 ug/L	99
10) Trichlorofluoromethane	6.68	101	898550	27.89 ug/L	97
11) Acetone	6.83	43	123411m	35.28 ug/L	
12) Iodomethane	7.46	142	475479	30.25 ug/L	89
13) 1,1-Dichloroethene	7.41	96	418883	25.32 ug/L	98
14) Methylene chloride	7.60	84	453568	23.28 ug/L	100
15) Freon 113	7.67	101	520522	25.12 ug/L	99
16) Carbon disulfide	7.93	76	1119644	24.34 ug/L	98
17) trans-1,2-Dichloroethene	8.48	96	452357	24.13 ug/L	99
18) MTBE	8.62	73	797919	23.70 ug/L	100
19) 1,1-Dichloroethane	8.81	63	854999	24.47 ug/L	100
20) Vinyl acetate	8.96	43	594376	36.78 ug/L	100
21) n-Hexane	9.33	86	89710	26.01 ug/L	95
22) 2-Butanone (MEK)	9.35	72	27714	29.75 ug/L #	1
23) Diisopropylether (DIPE)	9.36	45	1560005	24.45 ug/L	98
24) cis-1,2-dichloroethene	9.55	96	461057	22.94 ug/L	99
25) Bromochloromethane	9.76	128	164663	23.70 ug/L	98
26) Chloroform	9.82	83	873342	23.33 ug/L	100
27) 2,2-Dichloropropane	9.93	77	714082	23.72 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	1147307	23.69 ug/L	98
30) 1,2-Dichloroethane	10.66	62	551923	23.58 ug/L	100
31) 1,1,1-Trichloroethane	10.80	97	768193	23.44 ug/L	99
32) (TAME) tert-Amyl methy eth	11.51	73	814111	24.07 ug/L	100
34) 1,1-Dichloropropene	11.03	75	635340	24.14 ug/L	99
35) Carbon tetrachloride	11.27	117	658743	23.65 ug/L	99
36) Benzene	11.32	78	1541707	23.24 ug/L	100
37) Dibromomethane	12.05	93	226718	23.23 ug/L	100
38) 1,2-Dichloropropane	12.10	63	374921	22.43 ug/L	98
39) Trichloroethene	12.15	95	458419	22.28 ug/L	97
40) Bromodichloromethane	12.21	83	575865	22.16 ug/L	98

(#) = qualifier out of range (m) = manual integration
03141122.D 031411.M Tue Mar 15 14:37:52 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:37 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

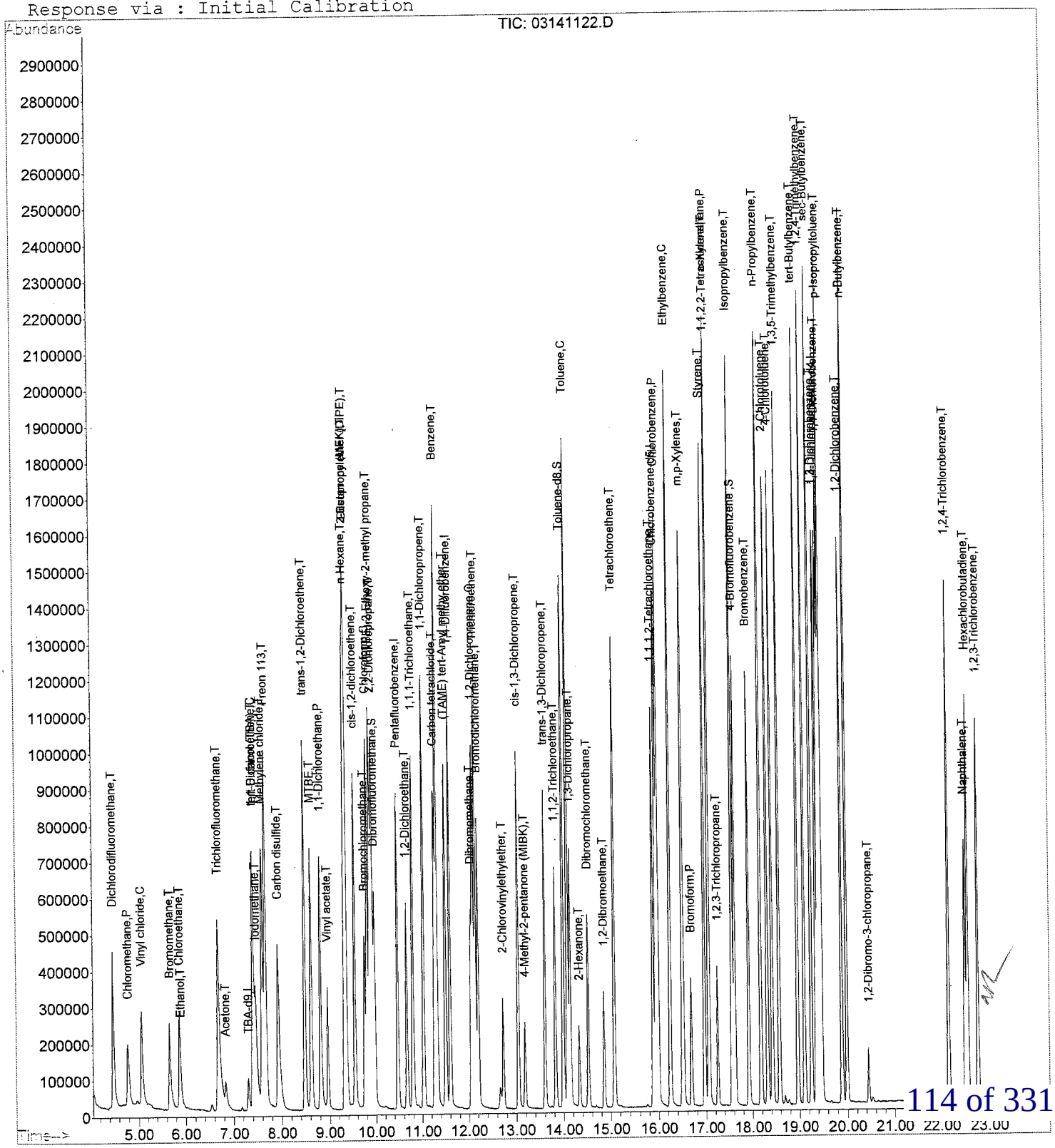
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	132304	24.18 ug/L	98
42) cis-1,3-Dichloropropene	13.04	75	587320	23.10 ug/L	99
43) 4-Methyl-2-pentanone (MIBK	13.18	43	211506	25.62 ug/L	97
44) trans-1,3-Dichloropropene	13.61	75	513196	24.53 ug/L	99
45) 1,1,2-Trichloroethane	13.83	97	252639	22.79 ug/L	98
47) Toluene	14.09	92	921737	22.86 ug/L	100
49) 1,3-Dichloropropane	14.15	76	426003	22.73 ug/L	98
50) 2-Hexanone	14.33	43	190481	32.36 ug/L	99
51) Dibromochloromethane	14.52	129	344977	23.25 ug/L	98
52) 1,2-Dibromoethane	14.86	107	262260	23.20 ug/L	100
53) Tetrachloroethene	15.08	164	397258	23.75 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.88	131	376400	21.98 ug/L	99
55) Chlorobenzene	15.99	112	1020483	23.18 ug/L	99
56) Ethylbenzene	16.25	91	1815661	23.05 ug/L	99
57) m,p-Xylenes	16.51	106	640911	23.10 ug/L	97
58) Styrene	16.96	104	1026074	24.34 ug/L	99
59) o-Xylene	17.07	106	606537	24.78 ug/L	95
62) Bromoform	16.69	173	208945	24.19 ug/L	97
63) 1,1,2,2-Tetrachloroethane	17.05	83	238281	25.47 ug/L	100
64) 1,2,3-Trichloropropane	17.25	110	70538	25.98 ug/L	96
65) Isopropylbenzene	17.56	105	1742791	28.02 ug/L	100
66) Bromobenzene	17.93	156	426879	24.82 ug/L	99
67) n-Propylbenzene	18.17	91	2149723	26.67 ug/L	99
68) 2-Chlorotoluene	18.32	91	1267135	24.91 ug/L	99
69) 4-Chlorotoluene	18.42	91	1309905	25.34 ug/L	100
70) 1,3,5-Trimethylbenzene	18.58	105	1413798	25.34 ug/L	98
71) tert-Butylbenzene	18.96	119	1165627	25.69 ug/L	99
72) 1,2,4-Trimethylbenzene	19.11	105	1465752	26.22 ug/L	99
73) sec-Butylbenzene	19.25	105	1860992	26.03 ug/L	100
74) 1,3-Dichlorobenzene	19.36	146	747624	24.26 ug/L	100
75) 1,4-Dichlorobenzene	19.45	146	767403	24.90 ug/L	99
76) p-Isopropyltoluene	19.48	119	1484315	25.73 ug/L	99
77) 1,2-Dichlorobenzene	19.88	146	671058	24.89 ug/L	100
78) n-Butylbenzene	19.99	91	1506477	26.01 ug/L	100
79) 1,2-Dibromo-3-chloropropan	20.45	75	38751	22.87 ug/L	96
80) 1,2,4-Trichlorobenzene	22.15	180	596391	27.26 ug/L	100
81) Naphthalene	22.50	128	706561	27.72 ug/L	98
82) Hexachlorobutadiene	22.55	225	321549	27.85 ug/L	99
83) 1,2,3-Trichlorobenzene	22.77	180	474453	27.05 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141122.D 031411.M Tue Mar 15 14:37:52 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:37 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



03141122.D 031411.M Tue Mar 15 14:37:54 2011

8260 Continuing Calibration (CCV) Report

Sample Name BS/ICV
Data File Name 03141122.D
Operator NL
Date Acquired 3/14/2011 6:01
Acq. Method File 8260B

Internal Standards	Calib. Response	CCV Response	Low	High	P/F
TBA-d9	125792	124354	62177	248708	TRUE
Pentafluorobenzene	699455	706016	353008	1412032	TRUE
1,4-Difluorobenzene	1014981	1059053	529527	2118106	TRUE
Chlorobenzene-d5	936018	958616	479308	1917232	TRUE
1,4-Dichlorobenzene-d4	492554	484312	242156	968624	TRUE

Compound	Amount	Spiked Amount	% Recovery	Low	High	P/F
Ethanol	574.16	250	229.66	80	140	FALSE NR
tert-Butanol (TBA)	169.11	125	135.29	80	120	FALSE I
Dichlorodifluoromethane	22.15	25	88.59	60	150	TRUE
Chloromethane	22.05	25	88.21	60	140	TRUE
Vinyl chloride	25.13	25	100.52	80	120	TRUE
Bromomethane	21.51	25	86.04	70	140	TRUE
Chloroethane	24.80	25	99.21	70	130	TRUE
Trichlorofluoromethane	27.89	25	111.58	70	150	TRUE
Acetone	35.28	25	141.11	10	150	TRUE
Iodomethane	30.25	25	120.99	70	140	TRUE
1,1-Dichloroethene	25.32	25	101.29	80	120	TRUE
Methylene chloride	23.28	25	93.11	70	120	TRUE
Freon 113	25.12	25	100.47	60	140	TRUE
Carbon disulfide	24.34	25	97.38	70	130	TRUE
trans-1,2-Dichloroethene	24.13	25	96.52	80	120	TRUE
MTBE	23.70	25	94.81	70	130	TRUE
1,1-Dichloroethane	24.47	25	97.90	70	125	TRUE
Vinyl acetate	36.78	25	147.12	40	150	TRUE
n-Hexane	26.01	25	104.05	70	130	TRUE
2-Butanone (MEK)	29.75	25	119.00	40	150	TRUE
Diisopropylether (DIPE)	24.45	25	97.82	80	130	TRUE
cis-1,2-dichloroethene	22.94	25	91.76	80	120	TRUE
Bromochloromethane	23.70	25	94.80	80	120	TRUE
Chloroform	23.33	25	93.31	80	120	TRUE
2,2-Dichloropropane	23.72	25	94.89	80	130	TRUE
:TBE) 2-Ethoxy-2-methyl propa	23.69	25	94.75	80	130	TRUE
Dibromofluoromethane	24.67	25	98.67	80	120	TRUE
1,2-Dichloroethane	23.58	25	94.33	75	130	TRUE
1,1,1-Trichloroethane	23.44	25	93.78	80	120	TRUE
(TAME) tert-Amyl methy ether	24.07	25	96.28	80	130	TRUE
1,1-Dichloropropene	24.14	25	96.57	80	120	TRUE
Carbon tetrachloride	23.65	25	94.60	80	130	TRUE
Benzene	23.24	25	92.96	80	120	TRUE

Dibromomethane	23.23	25	92.92	80	120	TRUE
1,2-Dichloropropane	22.43	25	89.71	80	120	TRUE
Trichloroethene	22.28	25	89.12	80	120	TRUE
Bromodichloromethane	22.16	25	88.63	80	120	TRUE
2-Chlorovinylethylether	24.18	25	96.72	70	135	TRUE
cis-1,3-Dichloropropene	23.10	25	92.39	80	120	TRUE
4-Methyl-2-pentanone (MIBK)	25.62	25	102.49	60	130	TRUE
trans-1,3-Dichloropropene	24.53	25	98.13	80	125	TRUE
1,1,2-Trichloroethane	22.79	25	91.16	80	120	TRUE
Toluene-d8	24.93	25	99.70	80	120	TRUE
Toluene	22.86	25	91.45	80	120	TRUE
1,3-Dichloropropane	22.73	25	90.90	80	120	TRUE
2-Hexanone	32.36	25	129.46	20	150	TRUE
Dibromochloromethane	23.25	25	93.01	80	120	TRUE
1,2-Dibromoethane	23.20	25	92.78	80	120	TRUE
Tetrachloroethene	23.75	25	95.01	70	130	TRUE
1,1,1,2-Tetrachloroethane	21.98	25	87.92	80	120	TRUE
Chlorobenzene	23.18	25	92.72	80	120	TRUE
Ethylbenzene	23.05	25	92.20	80	120	TRUE
m,p-Xylenes	23.10	25	92.38	60	140	TRUE
Styrene	24.34	25	97.36	80	120	TRUE
o-Xylene	24.78	25	99.14	80	120	TRUE
4-Bromofluorobenzene	23.94	25	95.77	80	120	TRUE
Bromoform	24.19	25	96.76	80	120	TRUE
1,1,2,2-Tetrachloroethane	25.47	25	101.87	80	120	TRUE
1,2,3-Trichloropropane	25.98	25	103.90	70	130	TRUE
Isopropylbenzene	28.02	25	112.07	80	130	TRUE
Bromobenzene	24.82	25	99.26	80	120	TRUE
n-Propylbenzene	26.67	25	106.69	75	130	TRUE
2-Chlorotoluene	24.91	25	99.64	80	120	TRUE
4-Chlorotoluene	25.34	25	101.35	80	120	TRUE
1,3,5-Trimethylbenzene	25.34	25	101.38	80	130	TRUE
tert-Butylbenzene	25.69	25	102.75	80	120	TRUE
1,2,4-Trimethylbenzene	26.22	25	104.88	80	120	TRUE
sec-Butylbenzene	26.03	25	104.13	80	125	TRUE
1,3-Dichlorobenzene	24.26	25	97.03	80	120	TRUE
1,4-Dichlorobenzene	24.90	25	99.58	80	120	TRUE
p-Isopropyltoluene	25.73	25	102.93	80	130	TRUE
1,2-Dichlorobenzene	24.89	25	99.55	80	120	TRUE
n-Butylbenzene	26.01	25	104.03	80	130	TRUE
1,2-Dibromo-3-chloropropane	22.87	25	91.46	50	150	TRUE
1,2,4-Trichlorobenzene	27.26	25	109.05	50	150	TRUE
Naphthalene	27.72	25	110.86	40	150	TRUE
Hexachlorobutadiene	27.85	25	111.42	40	150	TRUE
1,2,3-Trichlorobenzene	27.05	25	108.22	60	140	TRUE

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	TBA-d9	1.000	1.000	0.0	99	0.00
2	T	Ethanol	0.080	0.183	-128.8#	223#	0.00
3	T	tert-Butanol (TBA)	1.108	1.373	-23.9	141	0.00
4	I	Pentafluorobenzene	1.000	1.000	0.0	101	0.00
5	T	Dichlorodifluoromethane	0.916	0.811	11.5	89	0.00
6	P	Chloromethane	0.520	0.458	11.9	103	0.00
7	C	Vinyl chloride	0.556	0.559	-0.5	104	0.00
8	T	Bromomethane	0.401	0.386	3.7	93	0.00
9	T	Chloroethane	0.474	0.470	0.8	101	0.00
10	T	Trichlorofluoromethane	1.141	1.273	-11.6	111	0.00
11	T	Acetone	0.124	0.175	-41.1#	164#	0.00
12	T	Iodomethane	0.459	0.673	-46.6#	128	0.00
13	C	1,1-Dichloroethene	0.586	0.593	-1.2	107	0.00
14	T	Methylene chloride	0.690	0.642	7.0	100	0.00
15	T	Freon 113	0.734	0.737	-0.4	101	0.00
16	T	Carbon disulfide	1.629	1.586	2.6	111	0.00
17	T	trans-1,2-Dichloroethene	0.664	0.641	3.5	104	0.00
18	T	MTBE	1.192	1.130	5.2	96	0.00
19	P	1,1-Dichloroethane	1.237	1.211	2.1	102	0.00
20	T	Vinyl acetate	0.572	0.842	-47.2#	143	0.00
21	T	n-Hexane	0.122	0.127	-4.1	106	0.00
22	T	2-Butanone (MEK)	0.033	0.039	-18.2	129	0.00
23	T	Diisopropylether (DIPE)	2.259	2.210	2.2	100	0.00
24	T	cis-1,2-dichloroethene	0.712	0.653	8.3	96	0.00
25	T	Bromochloromethane	0.246	0.233	5.3	96	0.00
26	C	Chloroform	1.326	1.237	6.7	99	0.00
27	T	2,2-Dichloropropane	1.066	1.011	5.2	103	0.00
28	T	(ETBE) 2-Ethoxy-2-methyl pr	1.715	1.625	5.2	95	0.00
29	S	Dibromofluoromethane	0.573	0.566	1.2	99	0.00
30	T	1,2-Dichloroethane	0.829	0.782	5.7	97	0.00
31	T	1,1,1-Trichloroethane	1.160	1.088	6.2	97	0.00
32	T	(TAME) tert-Amyl methy ethe	1.198	1.153	3.8	97	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
34	T	1,1-Dichloropropene	0.621	0.600	3.4	104	0.00
35	T	Carbon tetrachloride	0.657	0.622	5.3	100	0.00
36	T	Benzene	1.566	1.456	7.0	102	0.00
37	T	Dibromomethane	0.230	0.214	7.0	97	0.00
38	C	1,2-Dichloropropane	0.395	0.354	10.4	96	0.00
39	T	Trichloroethene	0.486	0.433	10.9	95	0.00
40	T	Bromodichloromethane	0.614	0.544	11.4	94	0.00
41	T	2-Chlorovinylethylether	0.129	0.125	3.1	97	0.00
42	T	cis-1,3-Dichloropropene	0.600	0.555	7.5	97	0.00
43	T	4-Methyl-2-pentanone (MIBK)	0.195	0.200	-2.6	104	0.00
44	T	trans-1,3-Dichloropropene	0.494	0.485	1.8	100	0.00
45	T	1,1,2-Trichloroethane	0.262	0.239	8.8	96	0.00
46	S	Toluene-d8	1.103	1.099	0.4	103	0.00
47	C	Toluene	0.952	0.870	8.6	99	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

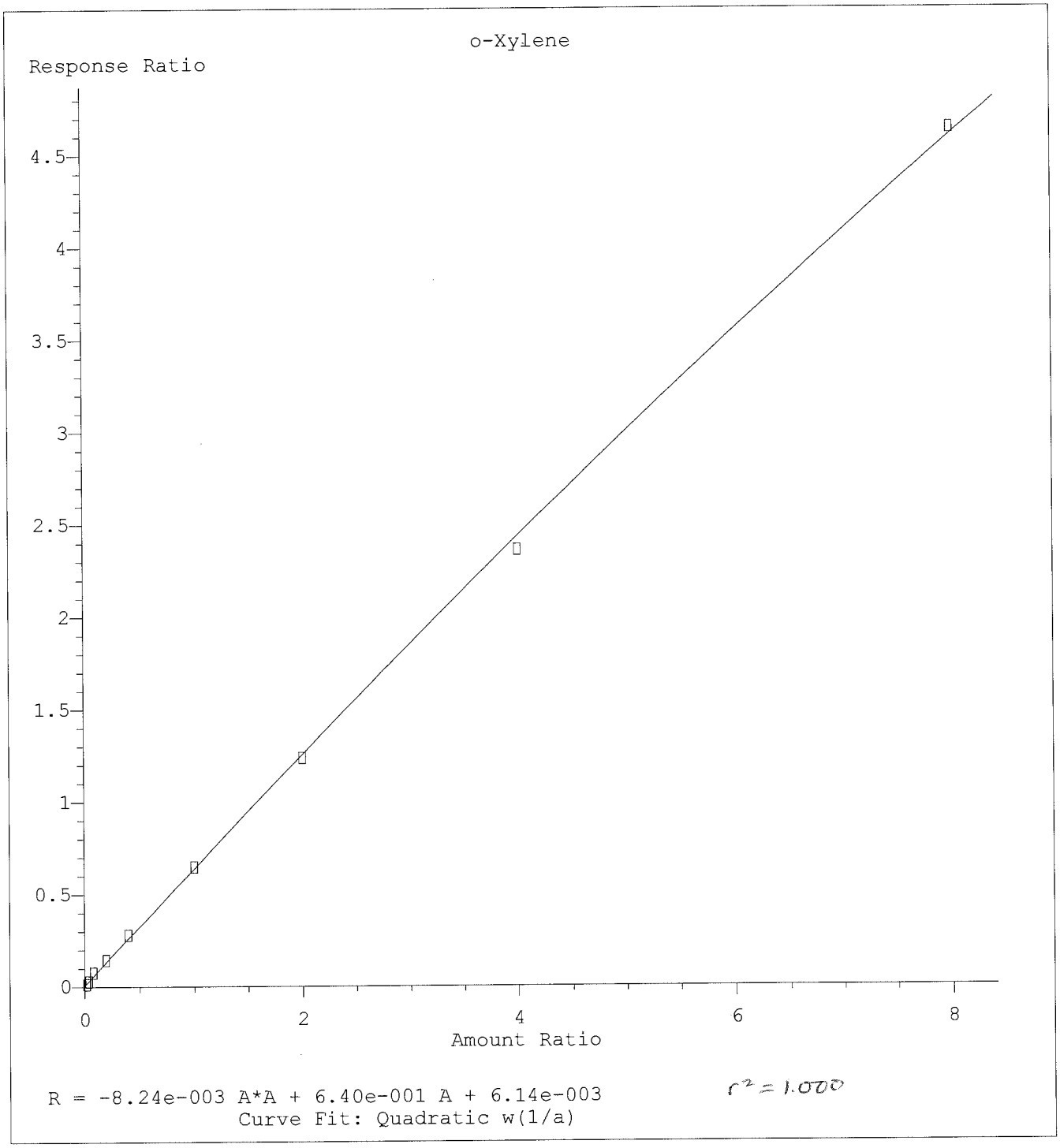
Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,3-Dichloropropane	0.489	0.444	9.2	96	0.00
50	T	2-Hexanone	0.153	0.199	-30.1#	145	0.00
51	T	Dibromochloromethane	0.387	0.360	7.0	96	0.00
52	T	1,2-Dibromoethane	0.295	0.274	7.1	97	0.00
53	T	Tetrachloroethene	0.436	0.414	5.0	105	0.00
54	T	1,1,1,2-Tetrachloroethane	0.447	0.393	12.1	100	0.00
55	P	Chlorobenzene	1.148	1.065	7.2	101	0.00
56	C	Ethylbenzene	2.054	1.894	7.8	98	0.00
57	T	m,p-Xylenes	0.724	0.669	7.6	102	0.00
58	T	Styrene	1.099	1.070	2.6	102	0.00
59	T	o-Xylene	0.692	0.633	8.5	100	0.00
60	S	4-Bromofluorobenzene	0.551	0.528	4.2	100	0.00
61	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
62	P	Bromoform	0.446	0.431	3.4	89	0.00
63	P	1,1,2,2-Tetrachloroethane	0.483	0.492	-1.9	97	0.00
64	T	1,2,3-Trichloropropane	0.140	0.146	-4.3	100	0.00
65	T	Isopropylbenzene	3.211	3.598	-12.1	109	0.00
66	T	Bromobenzene	0.888	0.881	0.8	97	0.00
67	T	n-Propylbenzene	4.160	4.439	-6.7	106	0.00
68	T	2-Chlorotoluene	2.626	2.616	0.4	100	0.00
69	T	4-Chlorotoluene	2.669	2.705	-1.3	102	0.00
70	T	1,3,5-Trimethylbenzene	2.879	2.919	-1.4	101	0.00
71	T	tert-Butylbenzene	2.342	2.407	-2.8	102	0.00
72	T	1,2,4-Trimethylbenzene	2.886	3.026	-4.9	103	0.00
73	T	sec-Butylbenzene	3.690	3.843	-4.1	102	0.00
74	T	1,3-Dichlorobenzene	1.591	1.544	3.0	99	0.00
75	T	1,4-Dichlorobenzene	1.591	1.585	0.4	101	0.00
76	T	p-Isopropyltoluene	2.978	3.065	-2.9	102	0.00
77	T	1,2-Dichlorobenzene	1.392	1.386	0.4	98	0.00
78	T	n-Butylbenzene	2.990	3.111	-4.0	101	0.00
79	T	1,2-Dibromo-3-chloropropane	0.087	0.080	8.0	92	0.00
80	T	1,2,4-Trichlorobenzene	1.129	1.231	-9.0	105	0.00
81	T	Naphthalene	1.316	1.459	-10.9	101	0.00
82	T	Hexachlorobutadiene	0.596	0.664	-11.4	106	0.00
83	T	1,2,3-Trichlorobenzene	0.905	0.980	-8.3	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
03141122.D 031411.M Tue Mar 15 16:11:58 2011



Method Name: C:\HPCHEM\1\GCMS13\METHODS\031411.M
Calibration Table Last Updated: Mon Mar 14 16:22:34 2011

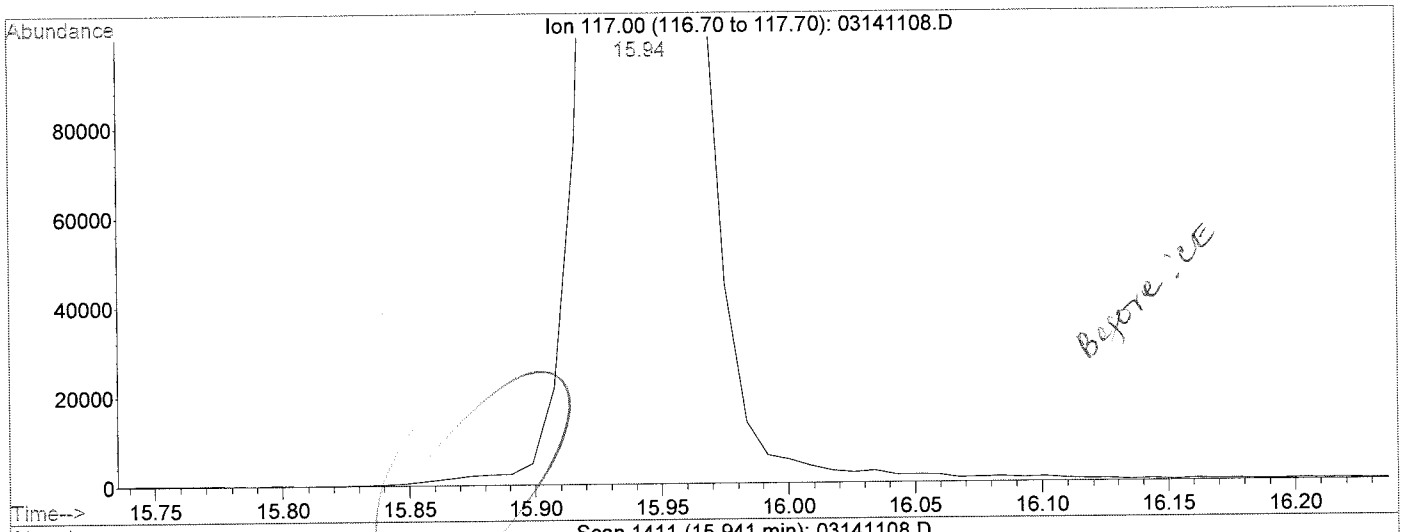
MK 3/15/11

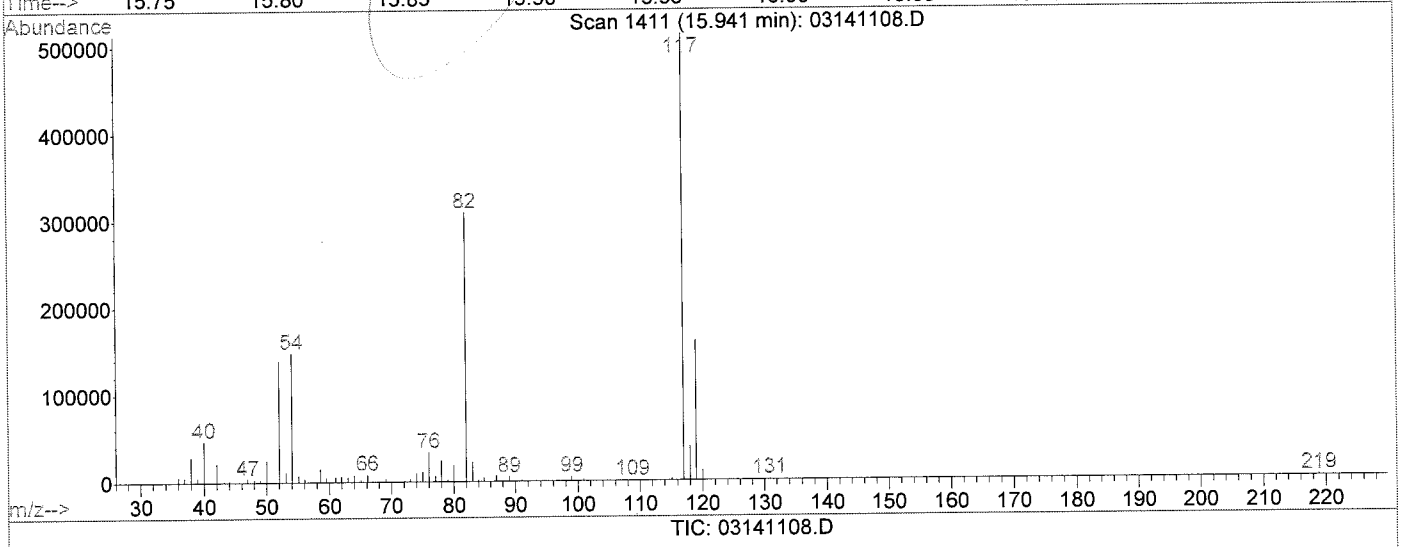
ML 3/15/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:27 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration





(48) Chlorobenzene-d5 (I)

15.94min 25.00ug/L

response 1123564

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

NL 3/15/11

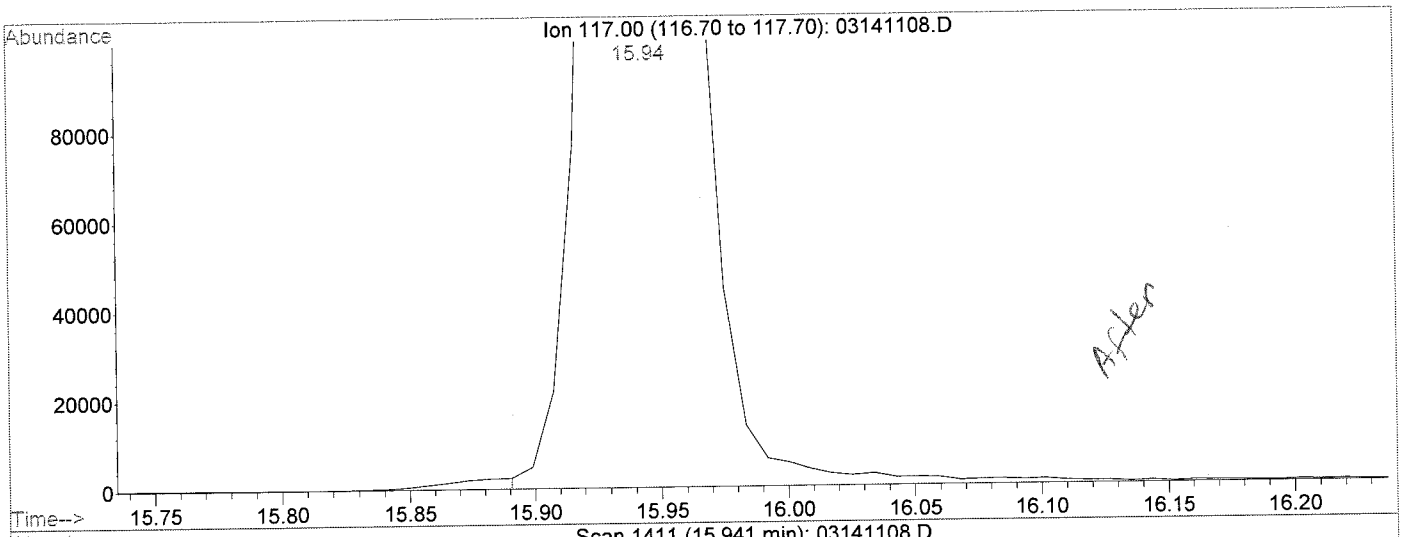
03141108.D 031411.M Tue Mar 15 14:28:09 2011

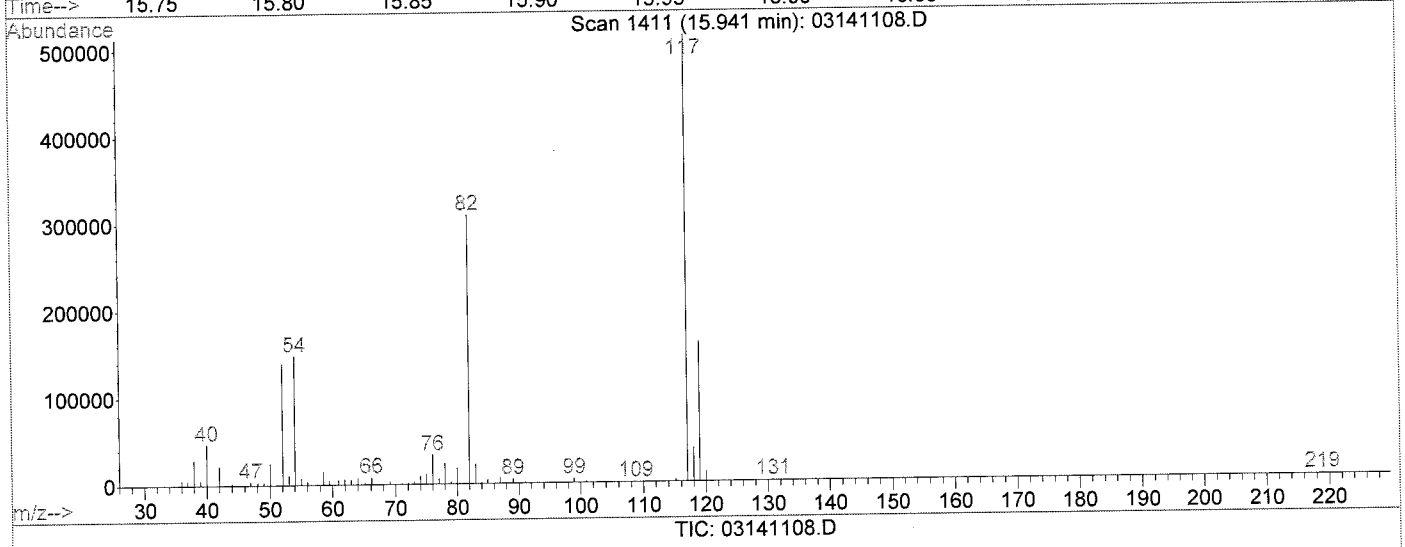
NL 3/16/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:28 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration





(48) Chlorobenzene-d5 (I)

15.94min 25.00ug/L m

response 1118486

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

03141108.D 031411.M Tue Mar 15 14:28:16 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:28 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.33	65	155823	200.00 ug/L	0.02
4) Pentafluorobenzene	10.47	168	879567	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1296569	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.94	117	1118486m	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.40	152	624163	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	494871	24.54 ug/L	0.00
Spiked Amount 25.000			Recovery =	98.16%	
46) Toluene-d8	13.99	98	1396217	24.42 ug/L	0.00
Spiked Amount 25.000			Recovery =	97.68%	
60) 4-Bromofluorobenzene	17.62	95	632523	25.64 ug/L	0.00
Spiked Amount 25.000			Recovery =	102.56%	

Target Compounds					Qvalue
2) Ethanol	5.93	45	554	8.92 ug/L	73
3) tert-Butanol (TBA)	7.44	59	1698	Below Cal	98
5) Dichlorodifluoromethane	4.51	85	16104	0.50 ug/L	97
6) Chloromethane	4.80	50	9667	0.53 ug/L	90
7) Vinyl chloride	5.10	62	9208	0.47 ug/L #	64
8) Bromomethane	5.68	94	5429	1.17 ug/L CAL	86
9) Chloroethane	5.89	64	7629	0.46 ug/L #	92
10) Trichlorofluoromethane	6.70	101	19285	0.48 ug/L	93
11) Acetone	6.88	43	5781	1.33 ug/L # CAL	78
12) Iodomethane	7.48	142	2632	1.92 ug/L #	76
13) 1,1-Dichloroethene	7.42	96	10971	0.53 ug/L	83
14) Methylene chloride	7.61	84	13077	0.54 ug/L	97
15) Freon 113	7.68	101	12975	0.50 ug/L	97
16) Carbon disulfide	7.94	76	33782	0.59 ug/L	99
17) trans-1,2-Dichloroethene	8.50	96	11772	0.50 ug/L	94
18) MTBE	8.63	73	19900	0.47 ug/L	97
19) 1,1-Dichloroethane	8.82	63	20504	0.47 ug/L	94
20) Vinyl acetate	8.97	43	9755	0.48 ug/L	96
21) n-Hexane	9.34	86	2173	0.51 ug/L	70
22) 2-Butanone (MEK)	9.37	72	707	0.61 ug/L #	37
23) Diisopropylether (DIPE)	9.37	45	37882	0.48 ug/L	92
24) cis-1,2-dichloroethene	9.56	96	12547	0.50 ug/L	91
25) Bromochloromethane	9.76	128	4023	0.46 ug/L	83
26) Chloroform	9.82	83	22798	0.49 ug/L	96
27) 2,2-Dichloropropane	9.93	77	19634	0.52 ug/L	96
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	27493	0.46 ug/L	97
30) 1,2-Dichloroethane	10.66	62	13904	0.48 ug/L	94
31) 1,1,1-Trichloroethane	10.79	97	19365	0.47 ug/L	91
32) (TAME) tert-Amyl methy eth	11.50	73	19772	0.47 ug/L	96
34) 1,1-Dichloropropene	11.03	75	16108	0.50 ug/L	94
35) Carbon tetrachloride	11.27	117	15491	0.45 ug/L	94
36) Benzene	11.33	78	40638	0.50 ug/L	100
37) Dibromomethane	12.05	93	5616	0.47 ug/L	96
38) 1,2-Dichloropropane	12.09	63	9890	0.48 ug/L	92
39) Trichloroethene	12.14	95	12969	0.51 ug/L	91
40) Bromodichloromethane	12.21	83	14786	0.46 ug/L	97

(#) = qualifier out of range (m) = manual integration
03141108.D 031411.M Tue Mar 15 14:28:21 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:28 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

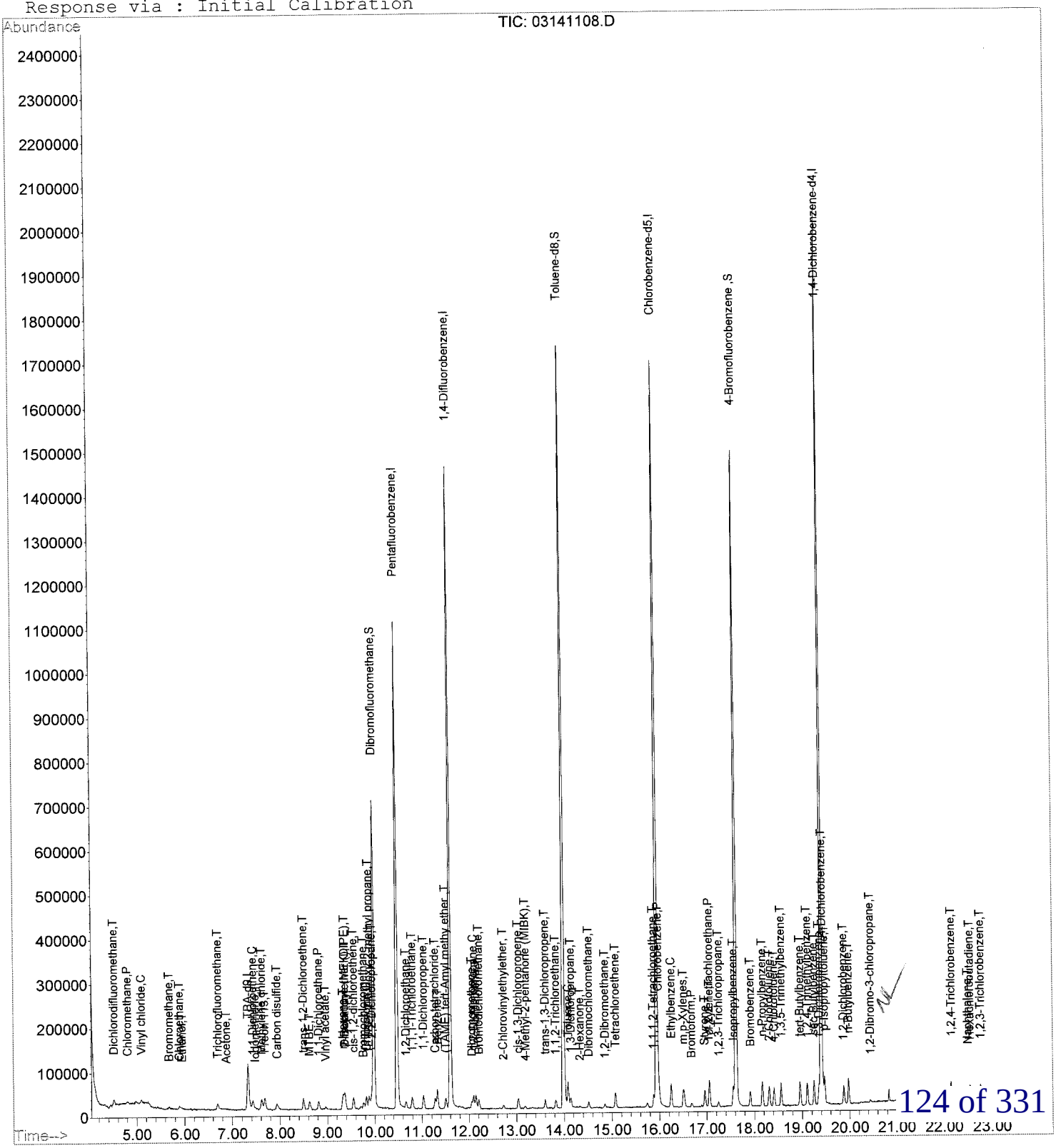
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	3181	0.47 ug/L	95
42) cis-1,3-Dichloropropene	13.04	75	14783	0.47 ug/L	96
43) 4-Methyl-2-pentanone (MIBK	13.18	43	4824	0.48 ug/L	97
44) trans-1,3-Dichloropropene	13.60	75	11216	0.44 ug/L	95
45) 1,1,2-Trichloroethane	13.82	97	6341	0.47 ug/L	94
47) Toluene	14.08	92	23238	0.47 ug/L	93
49) 1,3-Dichloropropane	14.14	76	10638	0.49 ug/L #	86
50) 2-Hexanone	14.33	43	3785	0.55 ug/L #	91
51) Dibromochloromethane	14.52	129	7965	0.46 ug/L	93
52) 1,2-Dibromoethane	14.85	107	6725	0.51 ug/L	94
53) Tetrachloroethene	15.07	164	9968	0.51 ug/L	96
54) 1,1,1,2-Tetrachloroethane	15.87	131	12849	0.64 ug/L #	49
55) Chlorobenzene	15.98	112	26010	0.51 ug/L	91
56) Ethylbenzene	16.25	91	45873	0.50 ug/L	99
57) m,p-Xylenes	16.51	106	16402	0.51 ug/L	94
58) Styrene	16.96	104	22674	0.46 ug/L	98
59) o-Xylene	17.06	106	15253	* 0.29 ug/L	96
62) Bromoform	16.68	173	4397	0.39 ug/L	92
63) 1,1,2,2-Tetrachloroethane	17.04	83	6485	0.54 ug/L #	91
64) 1,2,3-Trichloropropane	17.25	110	1742	0.50 ug/L	98
65) Isopropylbenzene	17.56	105	36954	0.46 ug/L	99
66) Bromobenzene	17.92	156	11055	0.50 ug/L	99
67) n-Propylbenzene	18.17	91	50276	0.48 ug/L	100
68) 2-Chlorotoluene	18.31	91	31749	0.48 ug/L	100
69) 4-Chlorotoluene	18.41	91	31263	0.47 ug/L	98
70) 1,3,5-Trimethylbenzene	18.57	105	33141	0.46 ug/L	96
71) tert-Butylbenzene	18.95	119	28395	0.49 ug/L	98
72) 1,2,4-Trimethylbenzene	19.10	105	34157	0.47 ug/L	96
73) sec-Butylbenzene	19.24	105	44712	0.49 ug/L	98
74) 1,3-Dichlorobenzene	19.35	146	19897	0.50 ug/L	93
75) 1,4-Dichlorobenzene	19.43	146	20529	0.52 ug/L	92
76) p-Isopropyltoluene	19.48	119	37737	0.51 ug/L	99
77) 1,2-Dichlorobenzene	19.88	146	17654	0.51 ug/L	95
78) n-Butylbenzene	19.97	91	34571	0.46 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.43	75	1633	0.75 ug/L #	67
80) 1,2,4-Trichlorobenzene	22.15	180	13689	0.49 ug/L	93
81) Naphthalene	22.50	128	14868	0.45 ug/L	97
82) Hexachlorobutadiene	22.55	225	6055	0.41 ug/L #	87
83) 1,2,3-Trichlorobenzene	22.76	180	10973	0.49 ug/L	98

(#) = qualifier out of range (m) = manual integration
03141108.D 031411.M Tue Mar 15 14:28:21 2011

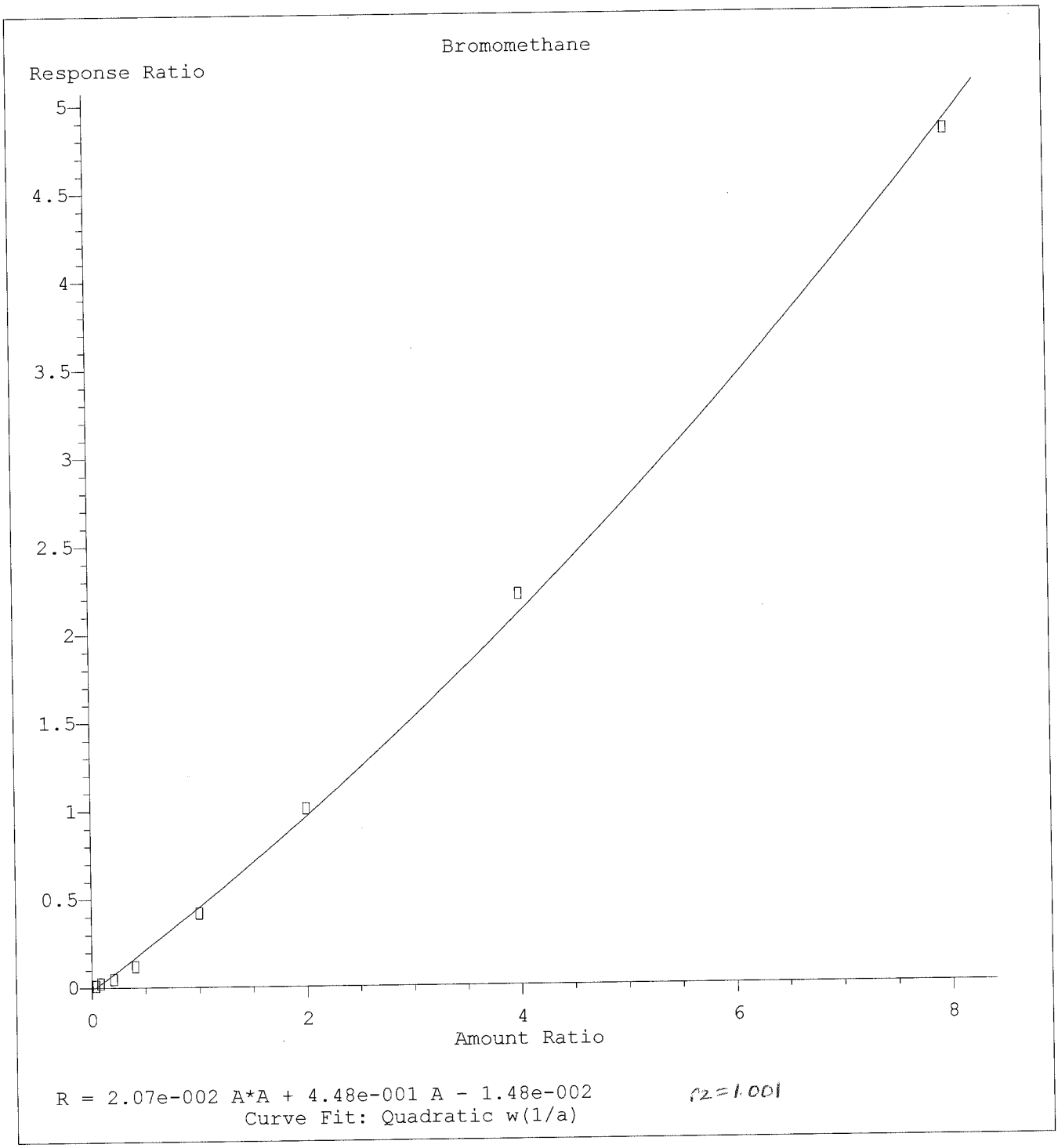
Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:28 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



03141108.D 031411.M Tue Mar 15 14:28:23 2011



Method Name: C:\HPCHEM\1\GCMS13\METHODS\031411.M
Calibration Table Last Updated: Mon Mar 14 16:22:34 2011

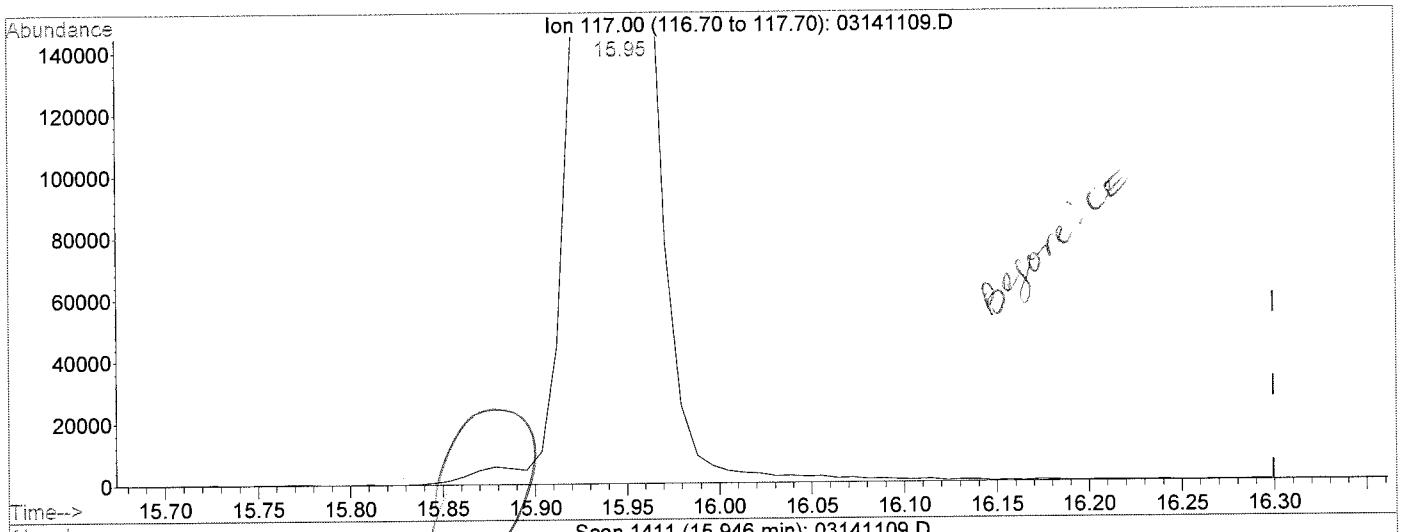
NK 3/15/11

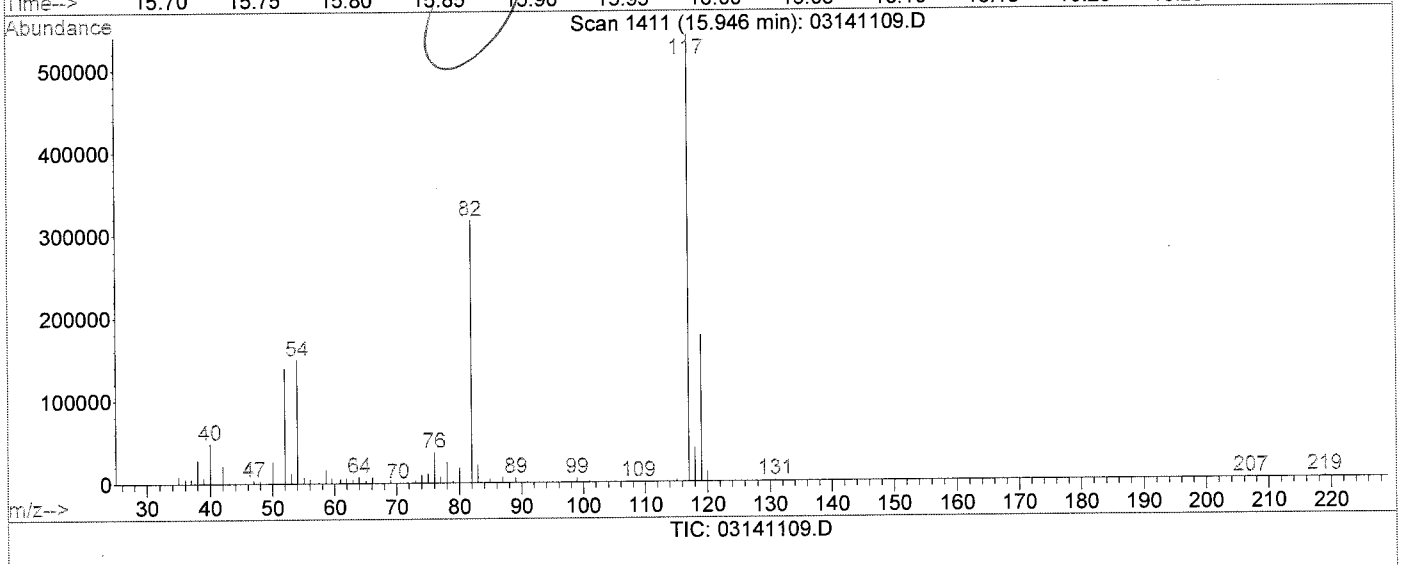
MJ 3/16/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:28 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration





(48) Chlorobenzene-d5 (I)

15.95min 25.00ug/L

response 1174140

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

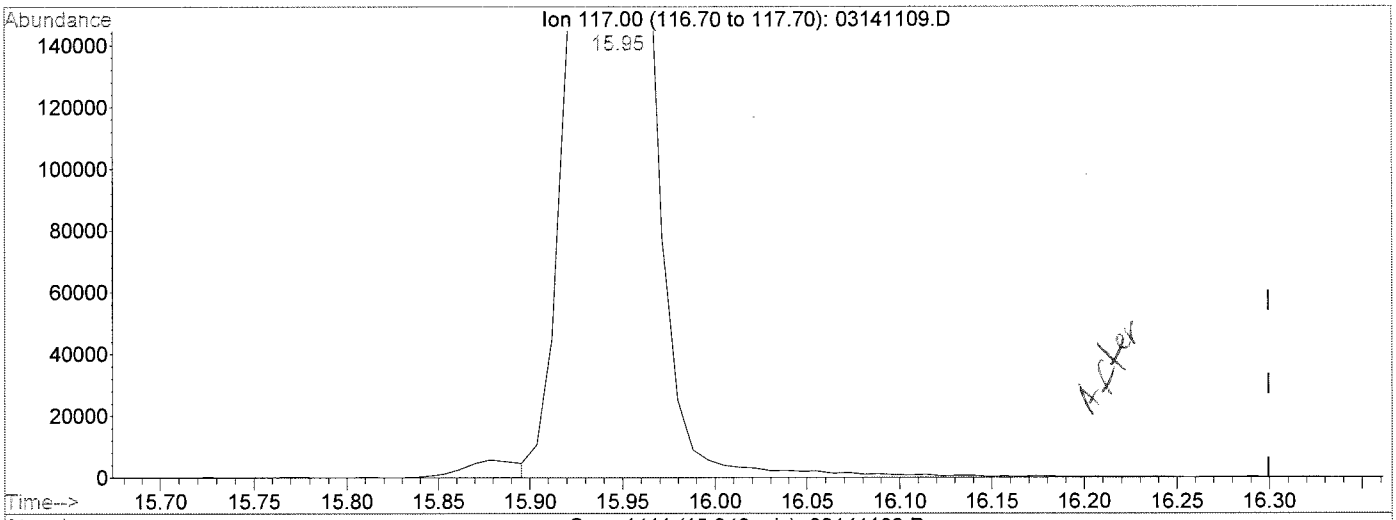
NL 3/15/11

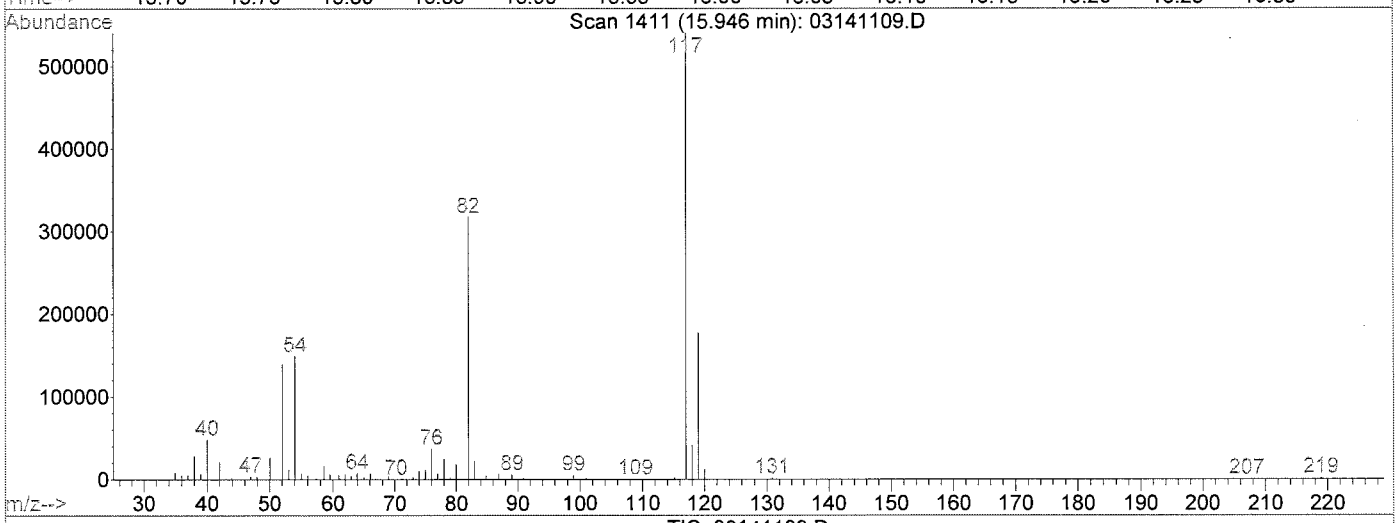
03141109.D 031411.M Tue Mar 15 14:29:11 2011

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:29 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration





TIC: 03141109.D

(48) Chlorobenzene-d5 (I)

15.95min 25.00ug/L m

response 1161807

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

03141109.D 031411.M Tue Mar 15 14:29:15 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:29 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.32	65	163525	200.00	ug/L	0.01
4) Pentafluorobenzene	10.48	168	922360	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1341500	25.00	ug/L	0.00
48) Chlorobenzene-d5	15.95	117	1161807m	25.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.40	152	656554	25.00	ug/L	-0.01
System Monitoring Compounds						
29) Dibromofluoromethane	9.97	113	511715	24.20	ug/L	0.00
Spiked Amount 25.000			Recovery	=	96.80%	
46) Toluene-d8	13.99	98	1439541	24.33	ug/L	0.00
Spiked Amount 25.000			Recovery	=	97.32%	
60) 4-Bromofluorobenzene	17.62	95	651071	25.40	ug/L	0.00
Spiked Amount 25.000			Recovery	=	101.60%	

Target Compounds						Qvalue
2) Ethanol	5.91	45	1382	21.20	ug/L	94
3) tert-Butanol (TBA)	7.43	59	5161	1.41	ug/L	100
5) Dichlorodifluoromethane	4.50	85	30732	0.91	ug/L	96
6) Chloromethane	4.80	50	18061	0.94	ug/L	93
7) Vinyl chloride	5.09	62	18944	0.92	ug/L #	80
8) Bromomethane	5.69	94	10522	* 1.46	ug/L	100
9) Chloroethane	5.89	64	16939	0.97	ug/L	95
10) Trichlorofluoromethane	6.70	101	37937	0.90	ug/L	98
11) Acetone	6.86	43	5576	1.22	ug/L #	74
12) Iodomethane	7.47	142	8584	2.18	ug/L #	82
13) 1,1-Dichloroethene	7.42	96	19437	0.90	ug/L	97
14) Methylene chloride	7.61	84	26278	1.03	ug/L	99
15) Freon 113	7.68	101	25302	0.93	ug/L	95
16) Carbon disulfide	7.94	76	60995	1.02	ug/L	95
17) trans-1,2-Dichloroethene	8.49	96	22356	0.91	ug/L	98
18) MTBE	8.63	73	41710	0.95	ug/L	97
19) 1,1-Dichloroethane	8.82	63	44289	0.97	ug/L	99
20) Vinyl acetate	8.98	43	20648	0.98	ug/L	99
21) n-Hexane	9.32	86	4597	1.02	ug/L	91
22) 2-Butanone (MEK)	9.36	72	1170	0.96	ug/L #	98
23) Diisopropylether (DIPE)	9.36	45	87611	1.05	ug/L	98
24) cis-1,2-dichloroethene	9.55	96	24956	0.95	ug/L	99
25) Bromochloromethane	9.76	128	8986	0.99	ug/L	85
26) Chloroform	9.82	83	47855	0.98	ug/L	99
27) 2,2-Dichloropropane	9.93	77	39501	1.00	ug/L	98
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	62766	0.99	ug/L	97
30) 1,2-Dichloroethane	10.66	62	29939	0.98	ug/L	99
31) 1,1,1-Trichloroethane	10.80	97	39206	0.92	ug/L	94
32) (TAME) tert-Amyl methy eth	11.50	73	43031	0.97	ug/L	98
34) 1,1-Dichloropropene	11.03	75	31960	0.96	ug/L	98
35) Carbon tetrachloride	11.27	117	32401	0.92	ug/L	99
36) Benzene	11.32	78	81624	0.97	ug/L	99
37) Dibromomethane	12.05	93	11887	0.96	ug/L	95
38) 1,2-Dichloropropane	12.09	63	20550	0.97	ug/L #	86
39) Trichloroethene	12.14	95	25397	0.97	ug/L	99
40) Bromodichloromethane	12.21	83	30659	0.93	ug/L	100

(#) = qualifier out of range (m) = manual integration
03141109.D 031411.M Tue Mar 15 14:29:20 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:29 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

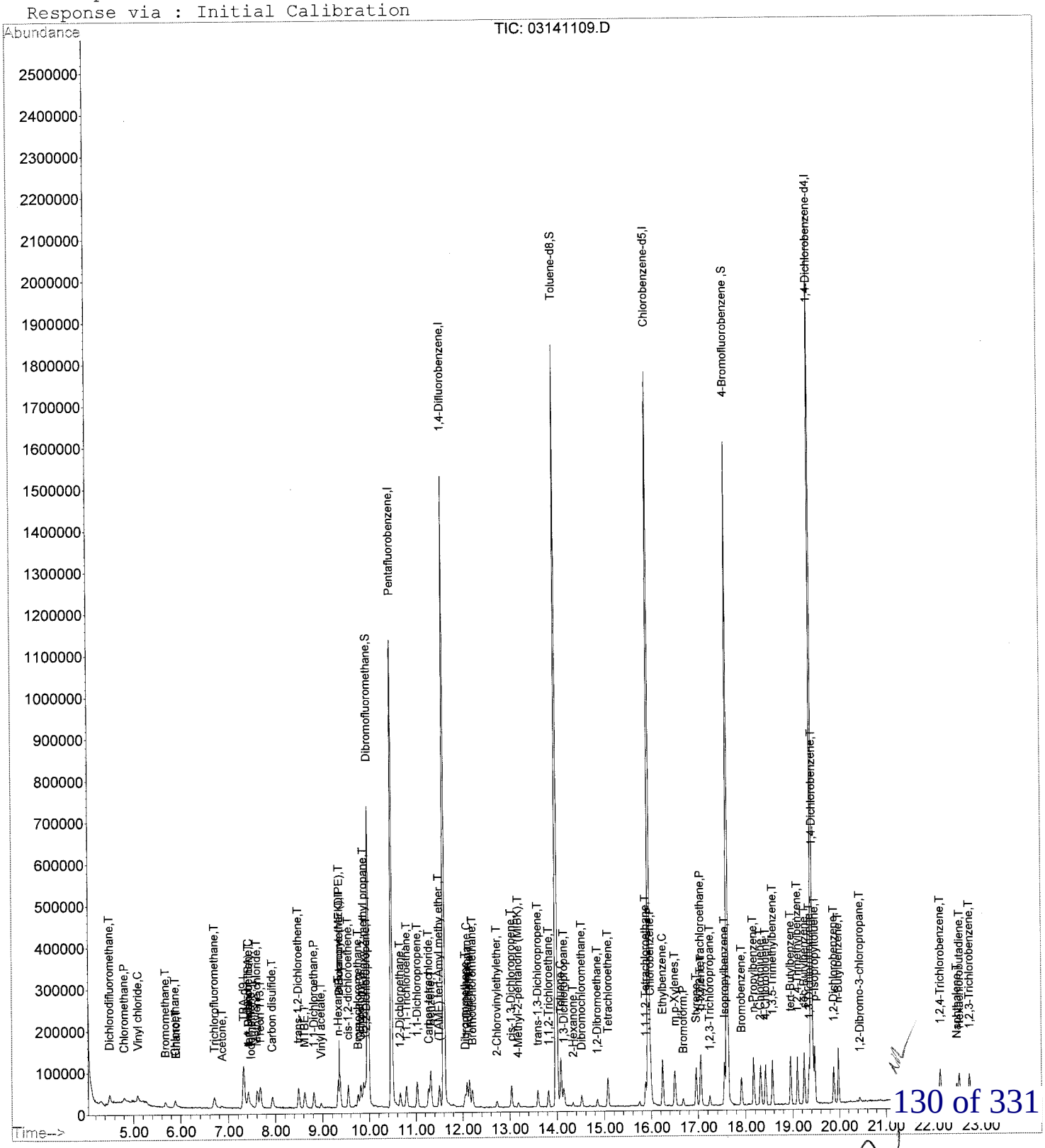
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
41)	2-Chlorovinylethylether	12.72	63	6316	0.91 ug/L		93
42)	cis-1,3-Dichloropropene	13.03	75	30586	0.95 ug/L		98
43)	4-Methyl-2-pentanone (MIBK	13.18	43	9919	0.95 ug/L		94
44)	trans-1,3-Dichloropropene	13.60	75	24804	0.94 ug/L		94
45)	1,1,2-Trichloroethane	13.83	97	13697	0.98 ug/L		98
47)	Toluene	14.08	92	51724	1.01 ug/L		98
49)	1,3-Dichloropropane	14.14	76	23878	1.05 ug/L		95
50)	2-Hexanone	14.33	43	7442	1.04 ug/L	#	88
51)	Dibromochloromethane	14.52	129	15956	0.89 ug/L		98
52)	1,2-Dibromoethane	14.85	107	13364	0.98 ug/L		100
53)	Tetrachloroethene	15.08	164	20940	1.03 ug/L		93
54)	1,1,1,2-Tetrachloroethane	15.88	131	20465	0.99 ug/L		91
55)	Chlorobenzene	15.99	112	55554	1.04 ug/L	#	81
56)	Ethylbenzene	16.24	91	98106	1.03 ug/L		99
57)	m,p-Xylenes	16.50	106	34501	1.03 ug/L		98
58)	Styrene	16.96	104	50145	0.98 ug/L		98
59)	o-Xylene	17.06	106	33764	0.90 ug/L		99
62)	Bromoform	16.68	173	10070	0.86 ug/L		87
63)	1,1,2,2-Tetrachloroethane	17.04	83	12898	1.02 ug/L	#	93
64)	1,2,3-Trichloropropane	17.25	110	3454	0.94 ug/L		96
65)	Isopropylbenzene	17.56	105	83225	0.99 ug/L		99
66)	Bromobenzene	17.91	156	22567	0.97 ug/L		99
67)	n-Propylbenzene	18.17	91	107954	0.99 ug/L		98
68)	2-Chlorotoluene	18.31	91	69416	1.01 ug/L		100
69)	4-Chlorotoluene	18.42	91	72338	1.03 ug/L		100
70)	1,3,5-Trimethylbenzene	18.57	105	75804	1.00 ug/L		100
71)	tert-Butylbenzene	18.96	119	61061	0.99 ug/L		99
72)	1,2,4-Trimethylbenzene	19.10	105	74433	0.98 ug/L		97
73)	sec-Butylbenzene	19.25	105	94039	0.97 ug/L		100
74)	1,3-Dichlorobenzene	19.35	146	43178	1.03 ug/L		97
75)	1,4-Dichlorobenzene	19.43	146	44611	1.07 ug/L	#	91
76)	p-Isopropyltoluene	19.47	119	78344	1.00 ug/L		98
77)	1,2-Dichlorobenzene	19.88	146	36641	1.00 ug/L		98
78)	n-Butylbenzene	19.98	91	77186	0.98 ug/L		99
79)	1,2-Dibromo-3-chloropropan	20.44	75	1968	0.86 ug/L		87
80)	1,2,4-Trichlorobenzene	22.15	180	28151	0.95 ug/L		94
81)	Naphthalene	22.49	128	31633	0.92 ug/L		100
82)	Hexachlorobutadiene	22.54	225	15443	0.99 ug/L		94
83)	1,2,3-Trichlorobenzene	22.76	180	22752	0.96 ug/L		99

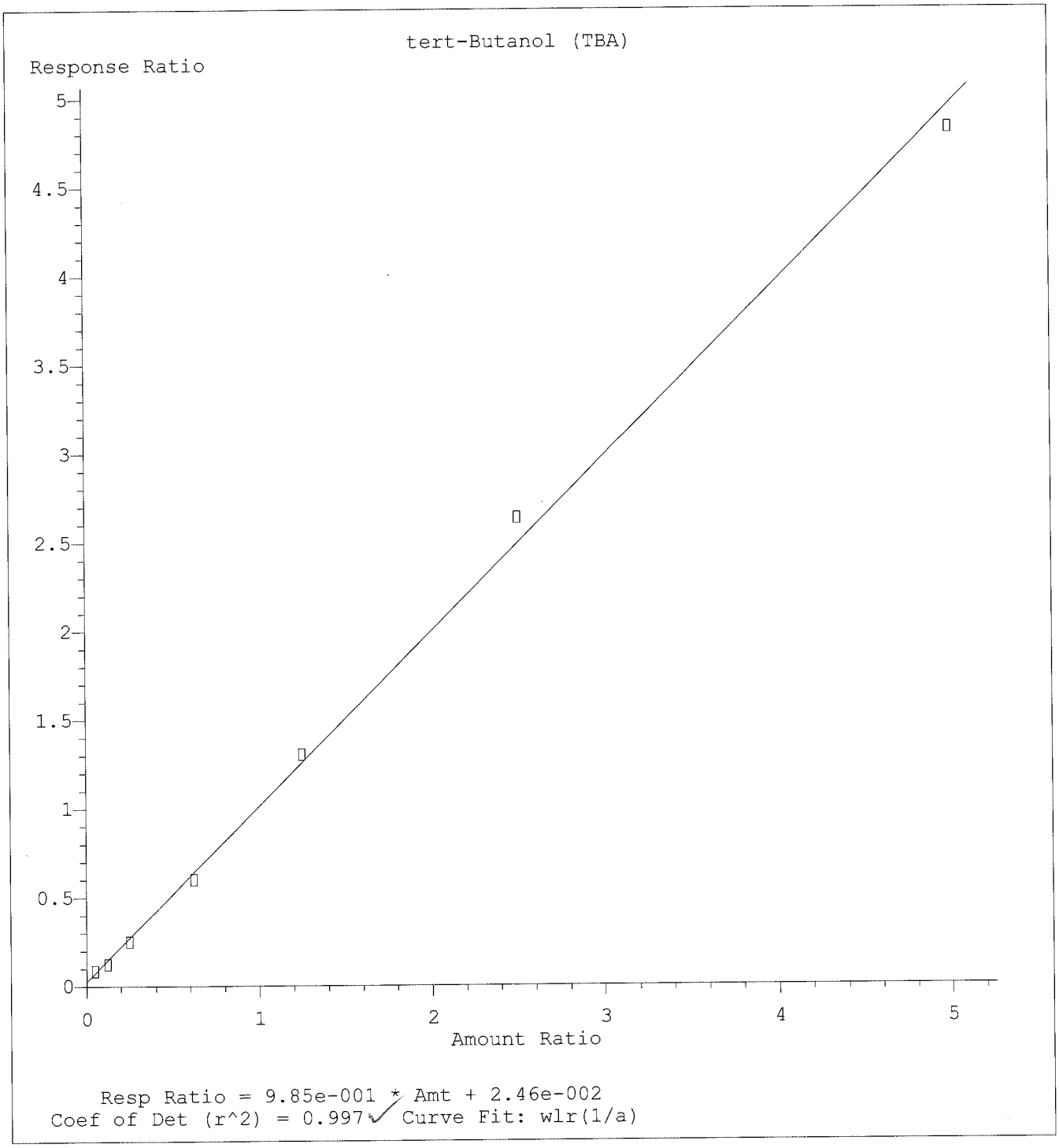
(#) = qualifier out of range (m) = manual integration
03141109.D 031411.M Tue Mar 15 14:29:21 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:29 2011 Quant Results File: 031411.RES

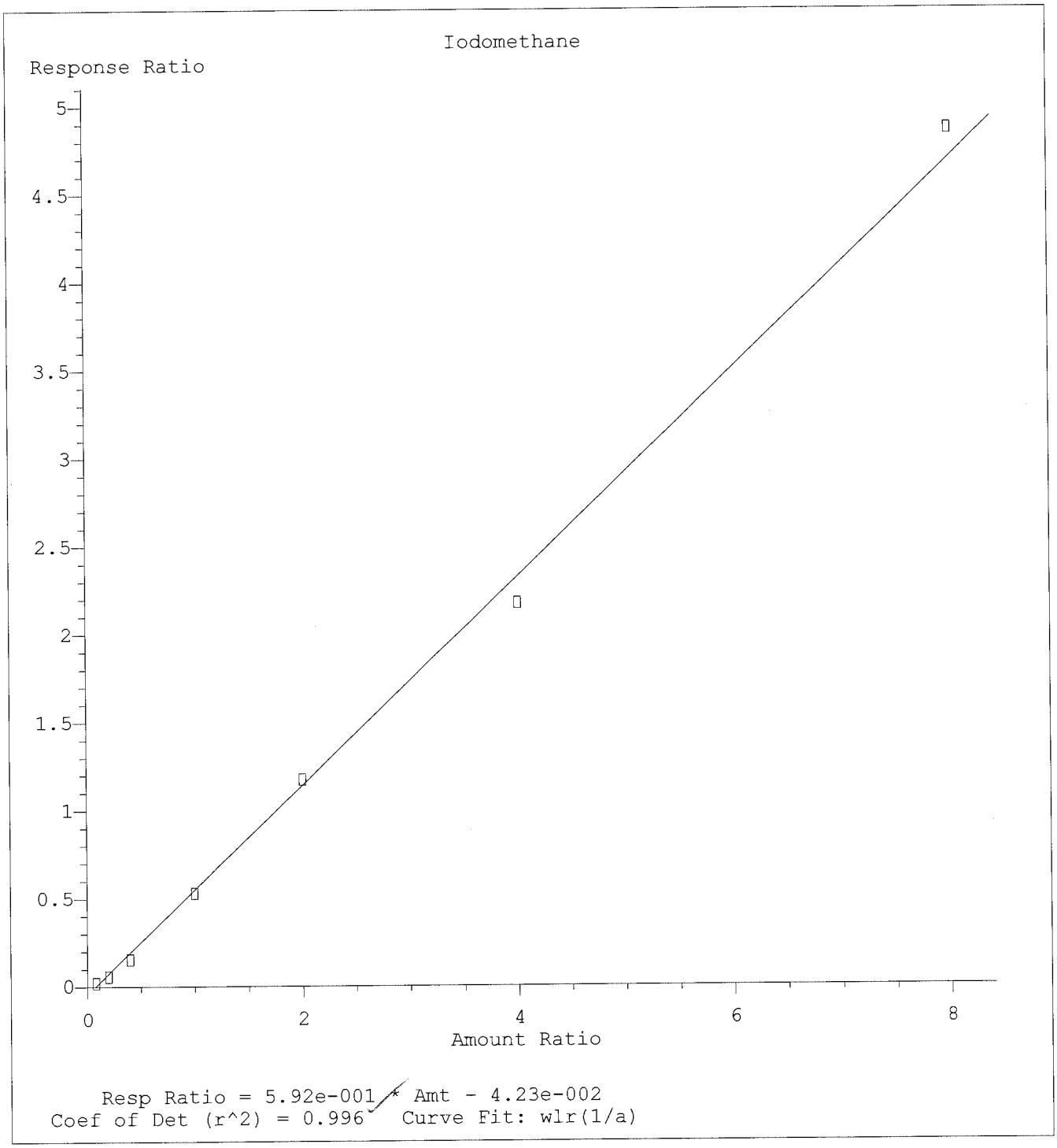
Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration





Method Name: C:\HPCHEM\1\GCMS13\METHODS\031411.M
Calibration Table Last Updated: Mon Mar 14 16:22:34 2011

NL 3/15/11



Method Name: C:\HPCHEM\1\GCMS13\METHODS\031411.M
Calibration Table Last Updated: Mon Mar 14 16:22:34 2011

NL 3/15/11

NL 3/16/11

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D Vial: 8
Acq On : 14 Mar 2011 12:14 pm Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:29 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	118356	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	711317	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1057424	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.94	117	932115	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.40	152	524222	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	415304	25.46 ug/L	0.00
Spiked Amount 25.000			Recovery	= 101.84%	
46) Toluene-d8	13.98	98	1156864	24.81 ug/L	0.00
Spiked Amount 25.000			Recovery	= 99.24%	
60) 4-Bromofluorobenzene	17.62	95	527208	25.64 ug/L	0.00
Spiked Amount 25.000			Recovery	= 102.56%	

Target Compounds					Qvalue
2) Ethanol	5.93	45	2666	56.51 ug/L	76
3) tert-Butanol (TBA)	7.42	59	10211	12.52 ug/L #	89
5) Dichlorodifluoromethane	4.47	85	53625	2.06 ug/L	98
6) Chloromethane	4.78	50	32657	2.21 ug/L	91
7) Vinyl chloride	5.07	62	37358	2.36 ug/L #	82
8) Bromomethane	5.66	94	17100	2.16 ug/L	82
9) Chloroethane	5.87	64	35588	2.64 ug/L	99
10) Trichlorofluoromethane	6.68	101	68707	2.12 ug/L	95
11) Acetone	6.84	43	13114	3.72 ug/L	92
12) Iodomethane	7.47	142	15441	* 2.71 ug/L #	86
13) 1,1-Dichloroethene	7.41	96	39307	2.36 ug/L	97
14) Methylene chloride	7.60	84	47605	2.42 ug/L	99
15) Freon 113	7.66	101	41898	2.01 ug/L	97
16) Carbon disulfide	7.93	76	119287	2.57 ug/L	98
17) trans-1,2-Dichloroethene	8.48	96	50567	2.68 ug/L	99
18) MTBE	8.62	73	68393	2.02 ug/L	96
19) 1,1-Dichloroethane	8.80	63	90989	2.59 ug/L	96
20) Vinyl acetate	8.95	43	32801	2.01 ug/L	97
21) n-Hexane	9.32	86	7296	2.10 ug/L	90
22) 2-Butanone (MEK)	9.35	72	2282	2.43 ug/L #	70
23) Diisopropylether (DIPE)	9.36	45	154386	2.40 ug/L	99
24) cis-1,2-dichloroethene	9.55	96	52692	2.60 ug/L	97
25) Bromochloromethane	9.76	128	15165	2.17 ug/L	91
26) Chloroform	9.82	83	98924	2.62 ug/L	98
27) 2,2-Dichloropropane	9.92	77	82629	2.72 ug/L	95
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	108864	2.23 ug/L	99
30) 1,2-Dichloroethane	10.66	62	52451	2.22 ug/L	99
31) 1,1,1-Trichloroethane	10.79	97	82372	2.50 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	72398	2.12 ug/L	97
34) 1,1-Dichloropropene	11.02	75	62603	2.38 ug/L	98
35) Carbon tetrachloride	11.27	117	65324	2.35 ug/L	99
36) Benzene	11.32	78	170501	2.57 ug/L	99
37) Dibromomethane	12.04	93	21366	2.19 ug/L	96
38) 1,2-Dichloropropane	12.09	63	42314	2.54 ug/L	98
39) Trichloroethene	12.14	95	51563	2.51 ug/L	98
40) Bromodichloromethane	12.20	83	60974	2.35 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141111.D 031411.M Tue Mar 15 14:30:26 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D Vial: 8
Acq On : 14 Mar 2011 12:14 pm Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:29 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

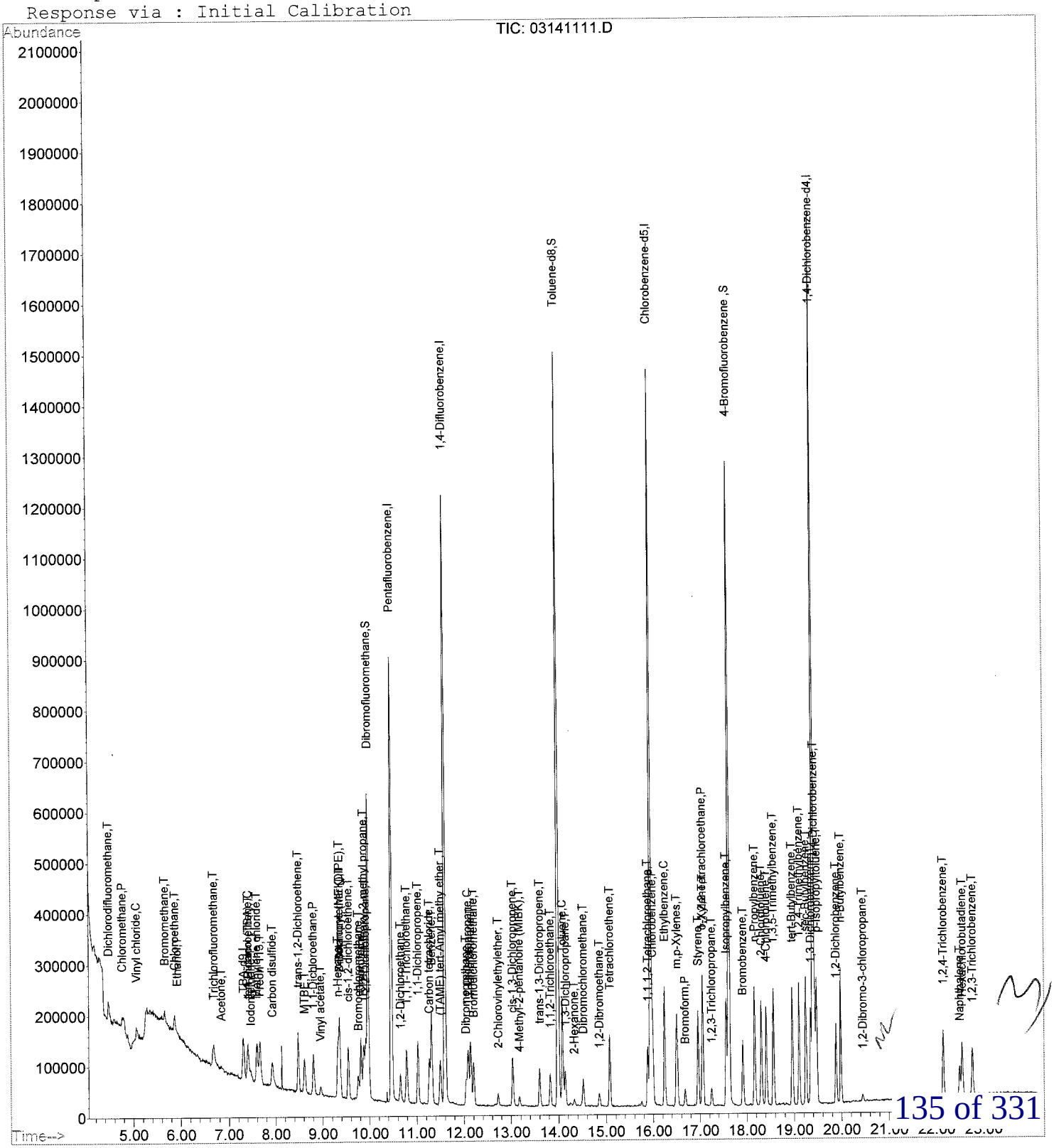
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	10374	1.90 ug/L	98
42) cis-1,3-Dichloropropene	13.04	75	59645	2.35 ug/L	97
43) 4-Methyl-2-pentanone (MIBK	13.17	43	16382	1.99 ug/L	98
44) trans-1,3-Dichloropropene	13.60	75	45501	2.18 ug/L	96
45) 1,1,2-Trichloroethane	13.82	97	24061	2.17 ug/L	95
47) Toluene	14.08	92	105845	2.63 ug/L	99
49) 1,3-Dichloropropane	14.14	76	39874	2.19 ug/L	94
50) 2-Hexanone	14.33	43	12588	2.20 ug/L #	93
51) Dibromochloromethane	14.52	129	31703	2.20 ug/L	96
52) 1,2-Dibromoethane	14.84	107	21699	1.97 ug/L	97
53) Tetrachloroethene	15.07	164	40249	2.48 ug/L	98
54) 1,1,1,2-Tetrachloroethane	15.87	131	39605	2.38 ug/L	95
55) Chlorobenzene	15.99	112	109100	2.55 ug/L	92
56) Ethylbenzene	16.25	91	203956	2.66 ug/L	99
57) m,p-Xylenes	16.51	106	71329	2.64 ug/L	100
58) Styrene	16.96	104	102326	2.50 ug/L	98
59) o-Xylene	17.06	106	71297	2.75 ug/L	100
62) Bromoform	16.68	173	19630	2.10 ug/L	95
63) 1,1,2,2-Tetrachloroethane	17.05	83	21130	2.09 ug/L #	91
64) 1,2,3-Trichloropropane	17.25	110	5768	1.96 ug/L	98
65) Isopropylbenzene	17.56	105	171913	2.55 ug/L	99
66) Bromobenzene	17.92	156	44118	2.37 ug/L	98
67) n-Propylbenzene	18.17	91	224077	2.57 ug/L	99
68) 2-Chlorotoluene	18.31	91	141164	2.56 ug/L	100
69) 4-Chlorotoluene	18.41	91	146784	2.62 ug/L	99
70) 1,3,5-Trimethylbenzene	18.57	105	155498	2.58 ug/L	98
71) tert-Butylbenzene	18.96	119	125198	2.55 ug/L	99
72) 1,2,4-Trimethylbenzene	19.11	105	158655	2.62 ug/L	97
73) sec-Butylbenzene	19.25	105	197903	2.56 ug/L	100
74) 1,3-Dichlorobenzene	19.35	146	83448	2.50 ug/L	99
75) 1,4-Dichlorobenzene	19.43	146	84260	2.53 ug/L	95
76) p-Isopropyltoluene	19.48	119	159587	2.56 ug/L	99
77) 1,2-Dichlorobenzene	19.88	146	68995	2.36 ug/L	99
78) n-Butylbenzene	19.98	91	159253	2.54 ug/L	100
79) 1,2-Dibromo-3-chloropropan	20.45	75	4340	2.37 ug/L #	79
80) 1,2,4-Trichlorobenzene	22.15	180	52445	2.21 ug/L	98
81) Naphthalene	22.50	128	55232	2.00 ug/L	99
82) Hexachlorobutadiene	22.55	225	29126	2.33 ug/L	97
83) 1,2,3-Trichlorobenzene	22.76	180	40091	2.11 ug/L	96

(#) = qualifier out of range (m) = manual integration
03141111.D 031411.M Tue Mar 15 14:30:26 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D Vial: 8
Acq On : 14 Mar 2011 12:14 pm Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:29 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D Vial: 9
Acq On : 14 Mar 2011 12:47 pm Operator: NL
Sample : 5.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:30 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.31	65	119477	200.00	ug/L	0.00
4) Pentafluorobenzene	10.47	168	700842	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1010249	25.00	ug/L	0.00
48) Chlorobenzene-d5	15.94	117	912659	25.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.40	152	512889	25.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	9.97	113	399936	24.89	ug/L	0.00
Spiked Amount 25.000			Recovery	=	99.56%	
46) Toluene-d8	13.98	98	1120128	25.14	ug/L	0.00
Spiked Amount 25.000			Recovery	=	100.56%	
60) 4-Bromofluorobenzene	17.62	95	522172	25.94	ug/L	0.00
Spiked Amount 25.000			Recovery	=	103.76%	

Target Compounds						Qvalue
2) Ethanol	5.92	45	3140	65.94	ug/L	90
3) tert-Butanol (TBA)	7.42	59	14934	20.38	ug/L	98
5) Dichlorodifluoromethane	4.47	85	132238	5.15	ug/L	99
6) Chloromethane	4.78	50	67751	4.65	ug/L	100
7) Vinyl chloride	5.06	62	78989	5.07	ug/L	98
8) Bromomethane	5.66	94	34058	3.52	ug/L	94
9) Chloroethane	5.87	64	66878	5.04	ug/L	99
10) Trichlorofluoromethane	6.68	101	158969	4.97	ug/L	97
11) Acetone	6.84	43	19542	5.63	ug/L	94
12) Iodomethane	7.46	142	40011	4.20	ug/L	98
13) 1,1-Dichloroethene	7.40	96	79543	4.84	ug/L	97
14) Methylene chloride	7.60	84	93284	4.82	ug/L	98
15) Freon 113	7.66	101	102564	4.99	ug/L	99
16) Carbon disulfide	7.93	76	209886	4.60	ug/L	97
17) trans-1,2-Dichloroethene	8.48	96	86712	4.66	ug/L	96
18) MTBE	8.62	73	163820	4.90	ug/L	99
19) 1,1-Dichloroethane	8.80	63	170592	4.92	ug/L	100
20) Vinyl acetate	8.96	43	70756	4.41	ug/L	97
21) n-Hexane	9.32	86	19167	5.60	ug/L	90
22) 2-Butanone (MEK)	9.37	72	4329	4.68	ug/L #	89
23) Diisopropylether (DIPE)	9.36	45	315084	4.98	ug/L	98
24) cis-1,2-dichloroethene	9.55	96	96449	4.83	ug/L	98
25) Bromochloromethane	9.76	128	34136	4.95	ug/L	94
26) Chloroform	9.82	83	184540	4.97	ug/L	99
27) 2,2-Dichloropropane	9.92	77	144350	4.83	ug/L	99
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	240191	5.00	ug/L	98
30) 1,2-Dichloroethane	10.66	62	115992	4.99	ug/L	98
31) 1,1,1-Trichloroethane	10.79	97	161470	4.96	ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	166151	4.95	ug/L	98
34) 1,1-Dichloropropene	11.02	75	125801	5.01	ug/L	98
35) Carbon tetrachloride	11.27	117	133490	5.02	ug/L	99
36) Benzene	11.32	78	313868	4.96	ug/L	99
37) Dibromomethane	12.04	93	48242	5.18	ug/L	97
38) 1,2-Dichloropropane	12.09	63	79915	5.01	ug/L	98
39) Trichloroethene	12.14	95	95797	4.88	ug/L	99
40) Bromodichloromethane	12.20	83	124593	5.03	ug/L	99

(#) = qualifier out of range (m) = manual integration
03141112.D 031411.M Tue Mar 15 14:31:12 2011

M1 3/16/11

3/15/11

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D Vial: 9
Acq On : 14 Mar 2011 12:47 pm Operator: NL
Sample : 5.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:30 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

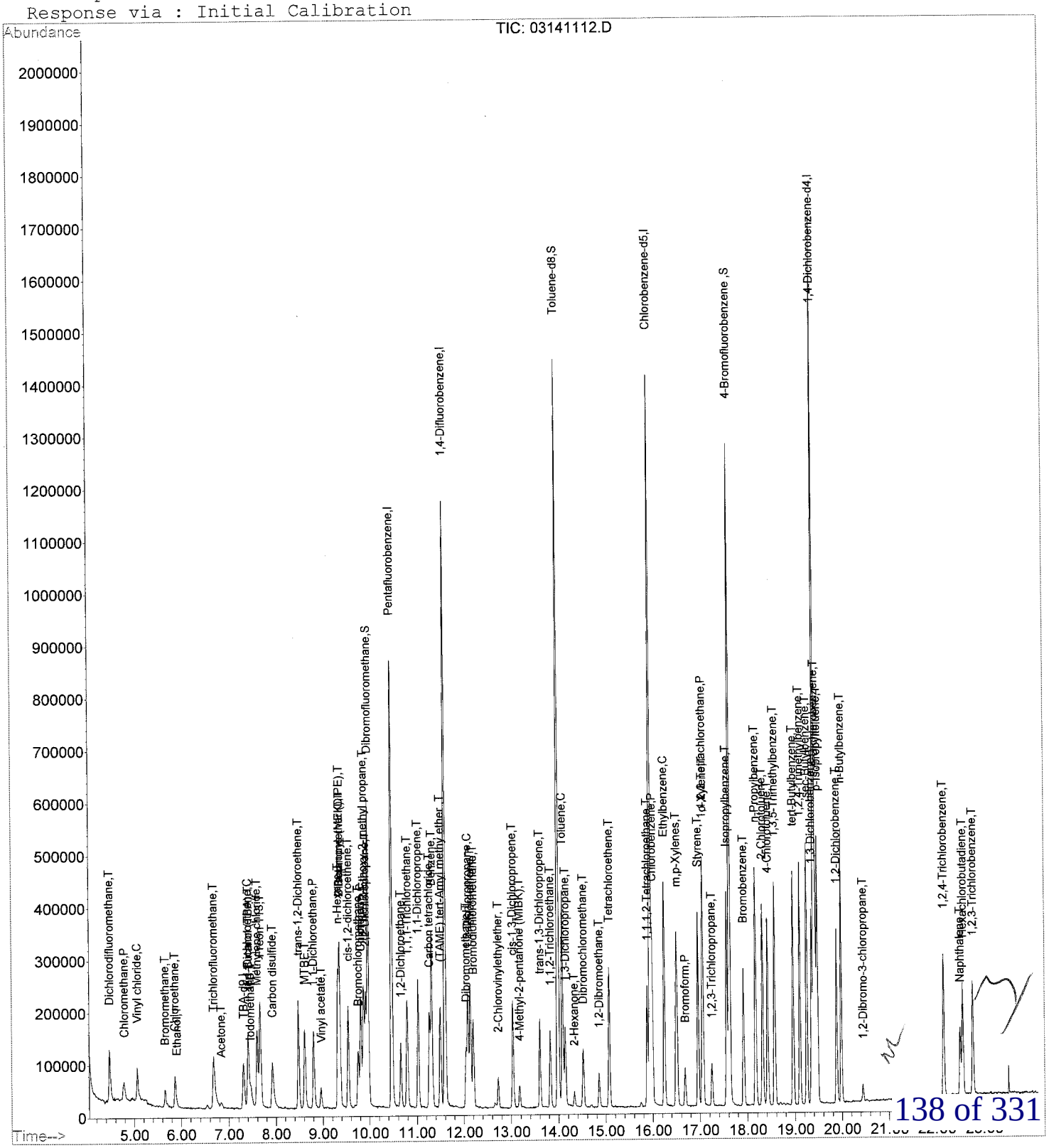
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
41)	2-Chlorovinylethylether	12.73	63	26466	5.07	ug/L		94
42)	cis-1,3-Dichloropropene	13.04	75	119204	4.91	ug/L		97
43)	4-Methyl-2-pentanone (MIBK	13.17	43	38199	4.85	ug/L		93
44)	trans-1,3-Dichloropropene	13.60	75	101199	5.07	ug/L		98
45)	1,1,2-Trichloroethane	13.82	97	54108	5.12	ug/L		95
47)	Toluene	14.08	92	199361	5.18	ug/L		100
49)	1,3-Dichloropropane	14.14	76	90676	5.08	ug/L		96
50)	2-Hexanone	14.33	43	27301	4.87	ug/L	#	92
51)	Dibromochloromethane	14.52	129	71389	5.05	ug/L		97
52)	1,2-Dibromoethane	14.85	107	54007	5.02	ug/L		99
53)	Tetrachloroethene	15.07	164	79084	4.97	ug/L		98
54)	1,1,1,2-Tetrachloroethane	15.88	131	78844	4.84	ug/L		96
55)	Chlorobenzene	15.99	112	203846	4.86	ug/L		97
56)	Ethylbenzene	16.25	91	375480	5.01	ug/L		99
57)	m,p-Xylenes	16.51	106	132725	5.02	ug/L		98
58)	Styrene	16.96	104	206281	5.14	ug/L		99
59)	o-Xylene	17.06	106	132259	5.43	ug/L		97
62)	Bromoform	16.68	173	44364	4.85	ug/L		96
63)	1,1,2,2-Tetrachloroethane	17.05	83	50521	5.10	ug/L		99
64)	1,2,3-Trichloropropane	17.25	110	14617	5.08	ug/L		89
65)	Isopropylbenzene	17.56	105	331110	5.03	ug/L		100
66)	Bromobenzene	17.92	156	90165	4.95	ug/L		97
67)	n-Propylbenzene	18.17	91	437726	5.13	ug/L		99
68)	2-Chlorotoluene	18.31	91	274225	5.09	ug/L		99
69)	4-Chlorotoluene	18.42	91	277589	5.07	ug/L		100
70)	1,3,5-Trimethylbenzene	18.57	105	298450	5.05	ug/L		98
71)	tert-Butylbenzene	18.96	119	239085	4.98	ug/L		99
72)	1,2,4-Trimethylbenzene	19.11	105	302101	5.10	ug/L		99
73)	sec-Butylbenzene	19.25	105	390838	5.16	ug/L		99
74)	1,3-Dichlorobenzene	19.35	146	169519	5.19	ug/L		99
75)	1,4-Dichlorobenzene	19.43	146	161637	4.95	ug/L		97
76)	p-Isopropyltoluene	19.48	119	310372	5.08	ug/L		99
77)	1,2-Dichlorobenzene	19.88	146	145493	5.10	ug/L		98
78)	n-Butylbenzene	19.98	91	314041	5.12	ug/L		99
79)	1,2-Dibromo-3-chloropropan	20.45	75	8572	4.78	ug/L		96
80)	1,2,4-Trichlorobenzene	22.15	180	108929	4.70	ug/L		100
81)	Naphthalene	22.50	128	128076	4.74	ug/L		100
82)	Hexachlorobutadiene	22.55	225	59115	4.84	ug/L		97
83)	1,2,3-Trichlorobenzene	22.76	180	91278	4.91	ug/L		98

(#) = qualifier out of range (m) = manual integration
03141112.D 031411.M Tue Mar 15 14:31:12 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D Vial: 9
Acq On : 14 Mar 2011 12:47 pm Operator: NL
Sample : 5.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:30 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:31 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.31	65	125792	200.00	ug/L	0.00
4) Pentafluorobenzene	10.47	168	699455	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1014981	25.00	ug/L	0.00
48) Chlorobenzene-d5	15.95	117	936018	25.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	492554	25.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	9.97	113	404401	25.22	ug/L	0.00
Spiked Amount 25.000			Recovery	=	100.88%	
46) Toluene-d8	13.99	98	1134687	25.35	ug/L	0.00
Spiked Amount 25.000			Recovery	=	101.40%	
60) 4-Bromofluorobenzene	17.62	95	508378	24.62	ug/L	0.00
Spiked Amount 25.000			Recovery	=	98.48%	

Target Compounds						Qvalue
2) Ethanol	5.90	45	12783	254.95	ug/L	100
3) tert-Butanol (TBA)	7.42	59	75663	117.08	ug/L	100
5) Dichlorodifluoromethane	4.47	85	641544	25.04	ug/L	100
6) Chloromethane	4.78	50	312927	21.53	ug/L	100
7) Vinyl chloride	5.06	62	377531	24.28	ug/L	100
8) Bromomethane	5.66	94	293535	23.27	ug/L	100
9) Chloroethane	5.87	64	329027	24.83	ug/L	100
10) Trichlorofluoromethane	6.68	101	808959	25.35	ug/L	100
11) Acetone	6.83	43	75063	21.66	ug/L	100
12) Iodomethane	7.46	142	407581	26.41	ug/L	94
13) 1,1-Dichloroethene	7.41	96	390447	23.82	ug/L	100
14) Methylene chloride	7.60	84	452050	23.42	ug/L	100
15) Freon 113	7.66	101	515908	25.13	ug/L	100
16) Carbon disulfide	7.92	76	1011118	22.19	ug/L	100
17) trans-1,2-Dichloroethene	8.48	96	437012	23.53	ug/L	100
18) MTBE	8.62	73	831849	24.94	ug/L	100
19) 1,1-Dichloroethane	8.81	63	834894	24.12	ug/L	100
20) Vinyl acetate	8.95	43	415505	25.95	ug/L	100
21) n-Hexane	9.33	86	84809	24.82	ug/L	100
22) 2-Butanone (MEK)	9.34	72	21512	23.31	ug/L #	100
23) Diisopropylether (DIPE)	9.36	45	1566191	24.78	ug/L	100
24) cis-1,2-dichloroethene	9.54	96	479600	24.09	ug/L	100
25) Bromochloromethane	9.76	128	170713	24.80	ug/L	100
26) Chloroform	9.81	83	878352	23.68	ug/L	100
27) 2,2-Dichloropropane	9.92	77	693793	23.26	ug/L	100
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	1208030	25.18	ug/L	100
30) 1,2-Dichloroethane	10.66	62	568789	24.53	ug/L	100
31) 1,1,1-Trichloroethane	10.79	97	788548	24.29	ug/L	100
32) (TAME) tert-Amyl methy eth	11.50	73	842890	25.15	ug/L	100
34) 1,1-Dichloropropene	11.03	75	608213	24.12	ug/L	100
35) Carbon tetrachloride	11.27	117	656950	24.61	ug/L	100
36) Benzene	11.32	78	1508513	23.73	ug/L	100
37) Dibromomethane	12.05	93	233206	24.93	ug/L	100
38) 1,2-Dichloropropane	12.09	63	391394	24.43	ug/L	100
39) Trichloroethene	12.14	95	480291	24.36	ug/L	100
40) Bromodichloromethane	12.20	83	613515	24.63	ug/L	100

(#) = qualifier out of range (m) = manual integration
03141114.D 031411.M Tue Mar 15 14:32:21 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:31 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

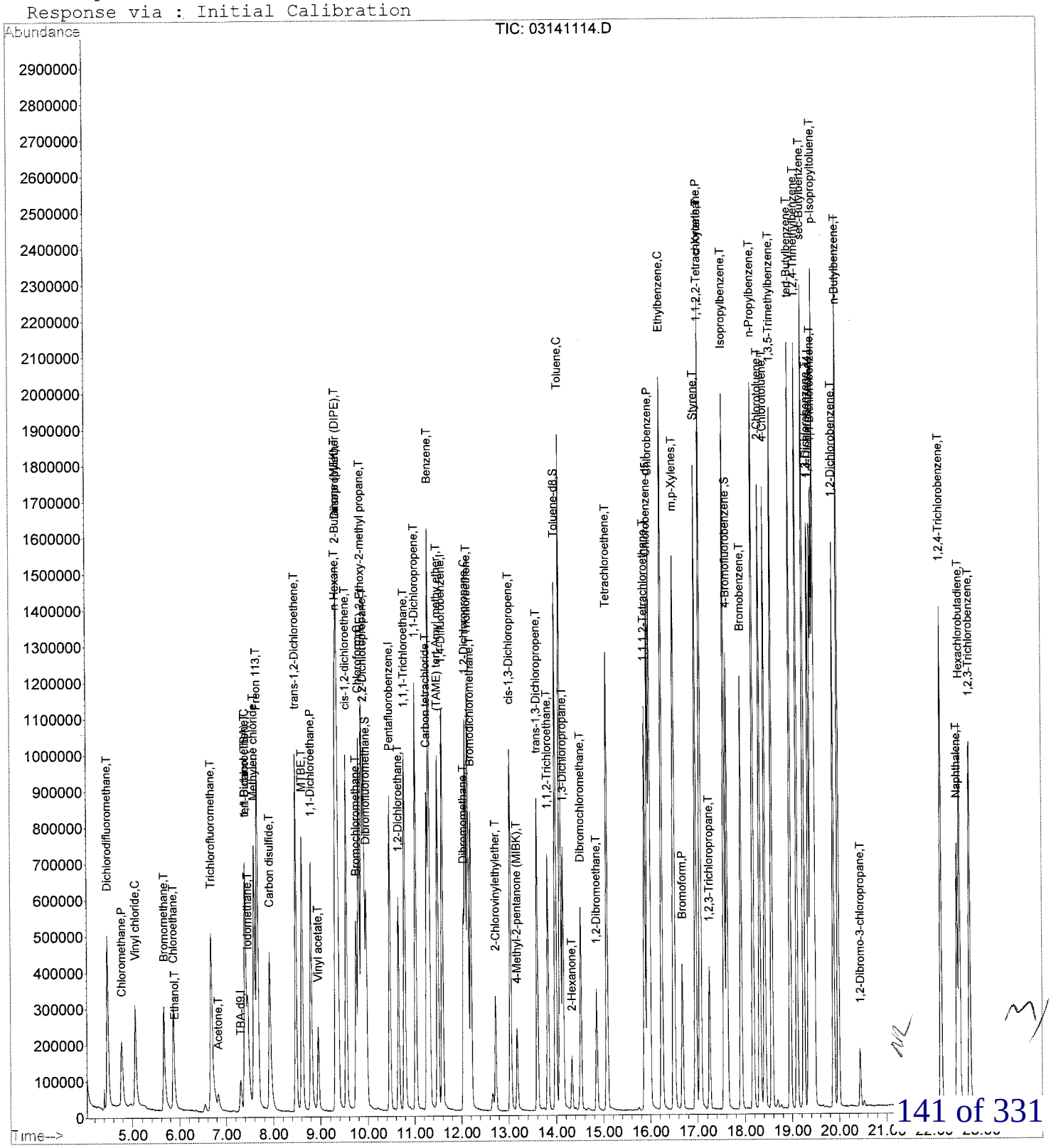
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	137088	26.14 ug/L	100
42) cis-1,3-Dichloropropene	13.04	75	607840	24.94 ug/L	100
43) 4-Methyl-2-pentanone (MIBK	13.17	43	203600	25.73 ug/L	100
44) trans-1,3-Dichloropropene	13.60	75	511251	25.50 ug/L	100
45) 1,1,2-Trichloroethane	13.82	97	262319	24.69 ug/L	100
47) Toluene	14.08	92	933074	24.15 ug/L	100
49) 1,3-Dichloropropane	14.14	76	441640	24.13 ug/L	100
50) 2-Hexanone	14.33	43	131540	22.89 ug/L	100
51) Dibromochloromethane	14.52	129	360432	24.88 ug/L	100
52) 1,2-Dibromoethane	14.85	107	270589	24.51 ug/L	100
53) Tetrachloroethene	15.08	164	379594	23.25 ug/L	100
54) 1,1,1,2-Tetrachloroethane	15.88	131	376298	22.50 ug/L	100
55) Chlorobenzene	15.99	112	1006476	23.41 ug/L	100
56) Ethylbenzene	16.24	91	1857231	24.15 ug/L	100
57) m,p-Xylenes	16.51	106	628744	23.20 ug/L	100
58) Styrene	16.96	104	1001976	24.34 ug/L	100
59) o-Xylene	17.06	106	605795	25.36 ug/L	100
62) Bromoform	16.68	173	233549	26.59 ug/L	100
63) 1,1,2,2-Tetrachloroethane	17.05	83	245970	25.85 ug/L	100
64) 1,2,3-Trichloropropane	17.25	110	70464	25.51 ug/L	100
65) Isopropylbenzene	17.56	105	1606150	25.39 ug/L	100
66) Bromobenzene	17.92	156	438696	25.08 ug/L	100
67) n-Propylbenzene	18.17	91	2037149	24.85 ug/L	100
68) 2-Chlorotoluene	18.31	91	1271086	24.57 ug/L	100
69) 4-Chlorotoluene	18.42	91	1278799	24.32 ug/L	100
70) 1,3,5-Trimethylbenzene	18.57	105	1397804	24.64 ug/L	100
71) tert-Butylbenzene	18.96	119	1141649	24.74 ug/L	100
72) 1,2,4-Trimethylbenzene	19.11	105	1421815	25.01 ug/L	100
73) sec-Butylbenzene	19.25	105	1824073	25.09 ug/L	100
74) 1,3-Dichlorobenzene	19.36	146	756893	24.15 ug/L	100
75) 1,4-Dichlorobenzene	19.44	146	756886	24.14 ug/L	100
76) p-Isopropyltoluene	19.48	119	1459478	24.88 ug/L	100
77) 1,2-Dichlorobenzene	19.88	146	683579	24.93 ug/L	100
78) n-Butylbenzene	19.98	91	1484636	25.20 ug/L	100
79) 1,2-Dibromo-3-chloropropan	20.45	75	41975	24.35 ug/L	100
80) 1,2,4-Trichlorobenzene	22.15	180	566108	25.44 ug/L	100
81) Naphthalene	22.50	128	700850	27.03 ug/L	100
82) Hexachlorobutadiene	22.55	225	304001	25.89 ug/L	100
83) 1,2,3-Trichlorobenzene	22.77	180	451962	25.34 ug/L	100

(#) = qualifier out of range (m) = manual integration
03141114.D 031411.M Tue Mar 15 14:32:22 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:31 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:32 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.31	65	129547	200.00	ug/L	0.00
4) Pentafluorobenzene	10.47	168	670991	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	997408	25.00	ug/L	0.00
48) Chlorobenzene-d5	15.95	117	901010	25.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	492423	25.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	9.97	113	393722	25.59	ug/L	0.00
Spiked Amount 25.000			Recovery	=	102.36%	
46) Toluene-d8	13.99	98	1093905	24.87	ug/L	0.00
Spiked Amount 25.000			Recovery	=	99.48%	
60) 4-Bromofluorobenzene	17.62	95	493360	24.82	ug/L	0.00
Spiked Amount 25.000			Recovery	=	99.28%	

Target Compounds						Qvalue
2) Ethanol	5.90	45	28140	544.97	ug/L	94
3) tert-Butanol (TBA)	7.41	59	168991	259.75	ug/L	98
5) Dichlorodifluoromethane	4.48	85	1268670	51.61	ug/L	100
6) Chloromethane	4.77	50	648190	46.48	ug/L	99
7) Vinyl chloride	5.06	62	751169	50.37	ug/L	98
8) Bromomethane	5.66	94	677359	52.19	ug/L	95
9) Chloroethane	5.87	64	623605	49.05	ug/L	99
10) Trichlorofluoromethane	6.68	101	1567791	51.21	ug/L	97
11) Acetone	6.83	43	161282	48.51	ug/L	98
12) Iodomethane	7.46	142	867752	56.43	ug/L	92
13) 1,1-Dichloroethene	7.40	96	776665	49.40	ug/L	99
14) Methylene chloride	7.60	84	878225	47.42	ug/L	100
15) Freon 113	7.66	101	1003135	50.93	ug/L	99
16) Carbon disulfide	7.93	76	1986824	45.45	ug/L	100
17) trans-1,2-Dichloroethene	8.48	96	870839	48.88	ug/L	99
18) MTBE	8.62	73	1655128	51.73	ug/L	99
19) 1,1-Dichloroethane	8.80	63	1598093	48.13	ug/L	100
20) Vinyl acetate	8.96	43	807302	52.56	ug/L	100
21) n-Hexane	9.33	86	160622	49.00	ug/L	95
22) 2-Butanone (MEK)	9.34	72	42923	48.48	ug/L #	88
23) Diisopropylether (DIPE)	9.36	45	3035894	50.08	ug/L	100
24) cis-1,2-dichloroethene	9.55	96	919113	48.12	ug/L	99
25) Bromochloromethane	9.76	128	330831	50.10	ug/L	99
26) Chloroform	9.82	83	1706643	47.96	ug/L	97
27) 2,2-Dichloropropane	9.92	77	1333015	46.60	ug/L	100
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	2371842	51.53	ug/L	98
30) 1,2-Dichloroethane	10.66	62	1113207	50.05	ug/L	100
31) 1,1,1-Trichloroethane	10.80	97	1562600	50.18	ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	1664448	51.78	ug/L	99
34) 1,1-Dichloropropene	11.03	75	1190399	48.03	ug/L	99
35) Carbon tetrachloride	11.27	117	1325694	50.54	ug/L	99
36) Benzene	11.32	78	3016498	48.28	ug/L	100
37) Dibromomethane	12.04	93	455004	49.50	ug/L	99
38) 1,2-Dichloropropane	12.09	63	756947	48.08	ug/L	98
39) Trichloroethene	12.15	95	914194	47.18	ug/L	99
40) Bromodichloromethane	12.20	83	1230941	50.29	ug/L	99

(#) = qualifier out of range (m) = manual integration
03141115.D 031411.M Tue Mar 15 14:32:50 2011

NL 3/15/11

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:32 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

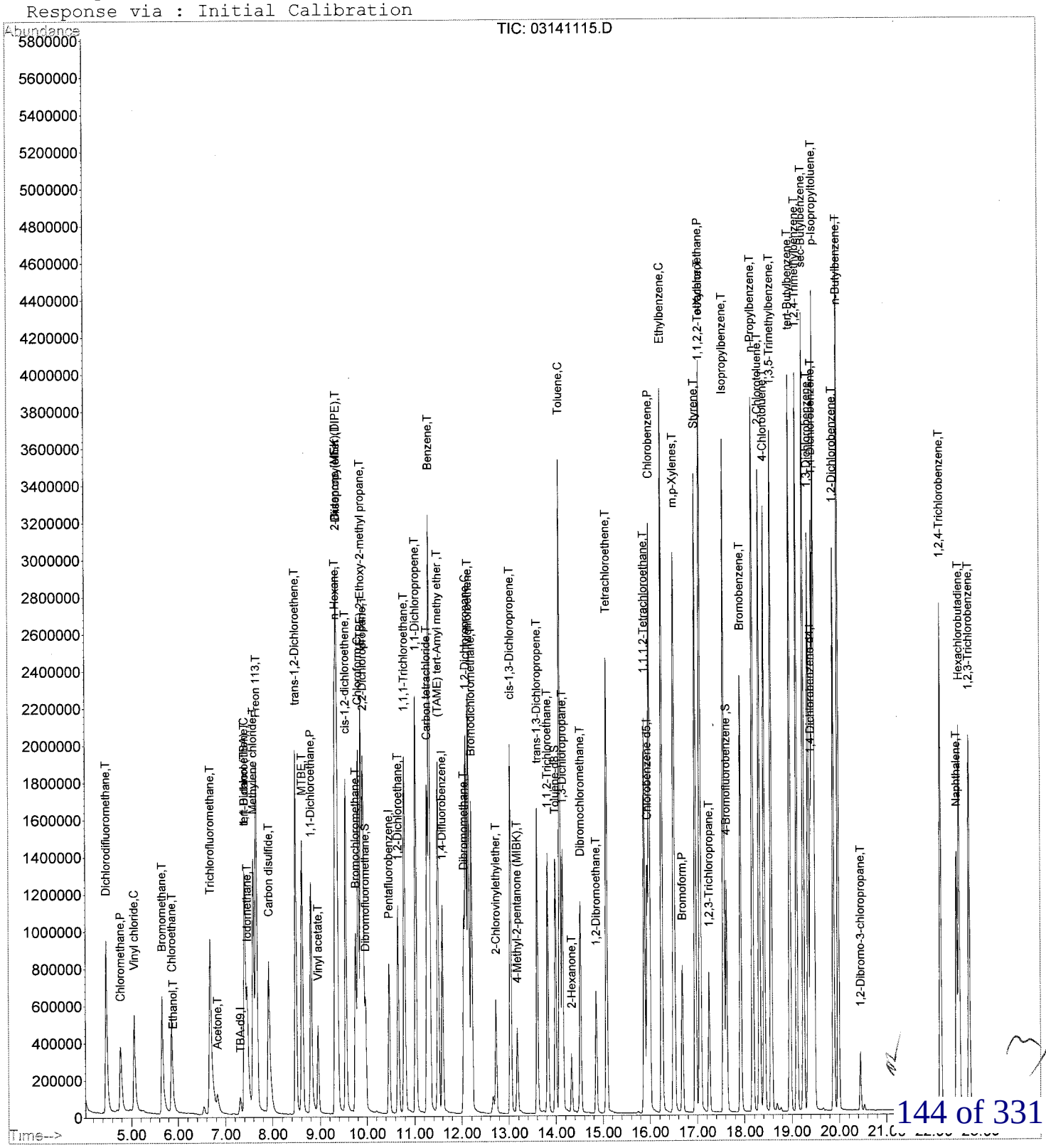
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	266778	51.77 ug/L	99
42) cis-1,3-Dichloropropene	13.04	75	1185095	49.48 ug/L	99
43) 4-Methyl-2-pentanone (MIBK	13.18	43	398644	51.28 ug/L	98
44) trans-1,3-Dichloropropene	13.61	75	1001184	50.82 ug/L	99
45) 1,1,2-Trichloroethane	13.82	97	514332	49.26 ug/L	99
47) Toluene	14.09	92	1779817	46.88 ug/L	99
49) 1,3-Dichloropropane	14.15	76	852950	48.41 ug/L	97
50) 2-Hexanone	14.33	43	268872	48.60 ug/L	99
51) Dibromochloromethane	14.52	129	714956	51.27 ug/L	100
52) 1,2-Dibromoethane	14.85	107	529074	49.79 ug/L	99
53) Tetrachloroethene	15.08	164	745600	47.43 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.88	131	735432	45.69 ug/L	99
55) Chlorobenzene	15.99	112	1983395	47.93 ug/L	99
56) Ethylbenzene	16.25	91	3510837	47.42 ug/L	100
57) m,p-Xylenes	16.51	106	1231716	47.22 ug/L	99
58) Styrene	16.96	104	1956092	49.37 ug/L	99
59) o-Xylene	17.07	106	1115033	49.34 ug/L	99
62) Bromoform	16.69	173	463856	52.82 ug/L	98
63) 1,1,2,2-Tetrachloroethane	17.05	83	450936	47.40 ug/L	100
64) 1,2,3-Trichloropropane	17.25	110	136352	49.38 ug/L	99
65) Isopropylbenzene	17.56	105	3017352	47.71 ug/L	100
66) Bromobenzene	17.93	156	844066	48.26 ug/L	100
67) n-Propylbenzene	18.17	91	3910942	47.73 ug/L	99
68) 2-Chlorotoluene	18.31	91	2485264	48.05 ug/L	99
69) 4-Chlorotoluene	18.42	91	2464108	46.88 ug/L	99
70) 1,3,5-Trimethylbenzene	18.58	105	2698442	47.58 ug/L	100
71) tert-Butylbenzene	18.96	119	2181767	47.29 ug/L	100
72) 1,2,4-Trimethylbenzene	19.11	105	2665132	46.89 ug/L	100
73) sec-Butylbenzene	19.25	105	3448685	47.45 ug/L	100
74) 1,3-Dichlorobenzene	19.36	146	1457934	46.52 ug/L	100
75) 1,4-Dichlorobenzene	19.44	146	1453388	46.37 ug/L	99
76) p-Isopropyltoluene	19.48	119	2797988	47.71 ug/L	100
77) 1,2-Dichlorobenzene	19.88	146	1316655	48.03 ug/L	100
78) n-Butylbenzene	19.98	91	2914423	49.48 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.45	75	85744	49.76 ug/L	98
80) 1,2,4-Trichlorobenzene	22.15	180	1130857	50.84 ug/L	99
81) Naphthalene	22.50	128	1372583	52.96 ug/L	99
82) Hexachlorobutadiene	22.55	225	587184	50.03 ug/L	99
83) 1,2,3-Trichlorobenzene	22.77	180	898332	50.38 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141115.D 031411.M Tue Mar 15 14:32:50 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:32 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:32 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.31	65	113794	200.00	ug/L	0.00
4) Pentafluorobenzene	10.48	168	693519	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1026382	25.00	ug/L	0.00
48) Chlorobenzene-d5	15.95	117	955378	25.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	487259	25.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	9.97	113	404725	25.45	ug/L	0.00
Spiked Amount 25.000			Recovery	=	101.80%	
46) Toluene-d8	13.99	98	1139190	25.17	ug/L	0.00
Spiked Amount 25.000			Recovery	=	100.68%	
60) 4-Bromofluorobenzene	17.63	95	485891	23.06	ug/L	0.00
Spiked Amount 25.000			Recovery	=	92.24%	

Target Compounds						Qvalue
2) Ethanol	5.91	45	46631	1028.08	ug/L	99
3) tert-Butanol (TBA)	7.42	59	300094	530.21	ug/L	100
5) Dichlorodifluoromethane	4.48	85	2554129	100.53	ug/L	100
6) Chloromethane	4.77	50	1645801	114.18	ug/L	99
7) Vinyl chloride	5.05	62	1581189	102.58	ug/L	98
8) Bromomethane	5.66	94	1531021	104.12	ug/L	92
9) Chloroethane	5.87	64	1202091	91.48	ug/L	99
10) Trichlorofluoromethane	6.68	101	3224844	101.92	ug/L	99
11) Acetone	6.83	43	314036	91.39	ug/L	100
12) Iodomethane	7.47	142	1661350	103.01	ug/L	94
13) 1,1-Dichloroethene	7.42	96	1609439	99.04	ug/L	99
14) Methylene chloride	7.60	84	1776246	92.80	ug/L	99
15) Freon 113	7.67	101	2074880	101.93	ug/L	99
16) Carbon disulfide	7.93	76	4260339	94.30	ug/L	99
17) trans-1,2-Dichloroethene	8.49	96	1781041	96.72	ug/L	98
18) MTBE	8.62	73	3369949	101.91	ug/L	100
19) 1,1-Dichloroethane	8.81	63	3337302	97.25	ug/L	100
20) Vinyl acetate	8.96	43	1672603	105.37	ug/L	100
21) n-Hexane	9.33	86	320247	94.53	ug/L	94
22) 2-Butanone (MEK)	9.35	72	84260	92.08	ug/L #	85
23) Diisopropylether (DIPE)	9.37	45	5832515	93.08	ug/L	99
24) cis-1,2-dichloroethene	9.55	96	1915971	97.05	ug/L	99
25) Bromochloromethane	9.76	128	695057	101.84	ug/L #	77
26) Chloroform	9.82	83	3490527	94.91	ug/L	97
27) 2,2-Dichloropropane	9.92	77	2752255	93.08	ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	4704788	98.89	ug/L	98
30) 1,2-Dichloroethane	10.66	62	2288489	99.54	ug/L	100
31) 1,1,1-Trichloroethane	10.79	97	3196019	99.30	ug/L	100
32) (TAME) tert-Amyl methy eth	11.50	73	3339084	100.50	ug/L	99
34) 1,1-Dichloropropene	11.03	75	2483128	97.36	ug/L	100
35) Carbon tetrachloride	11.27	117	2708678	100.35	ug/L	100
36) Benzene	11.32	78	6052292	94.14	ug/L	99
37) Dibromomethane	12.05	93	912847	96.51	ug/L	99
38) 1,2-Dichloropropane	12.09	63	1518990	93.76	ug/L	98
39) Trichloroethene	12.15	95	1886393	94.60	ug/L	99
0) Bromodichloromethane	12.21	83	2439967	96.87	ug/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:32 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

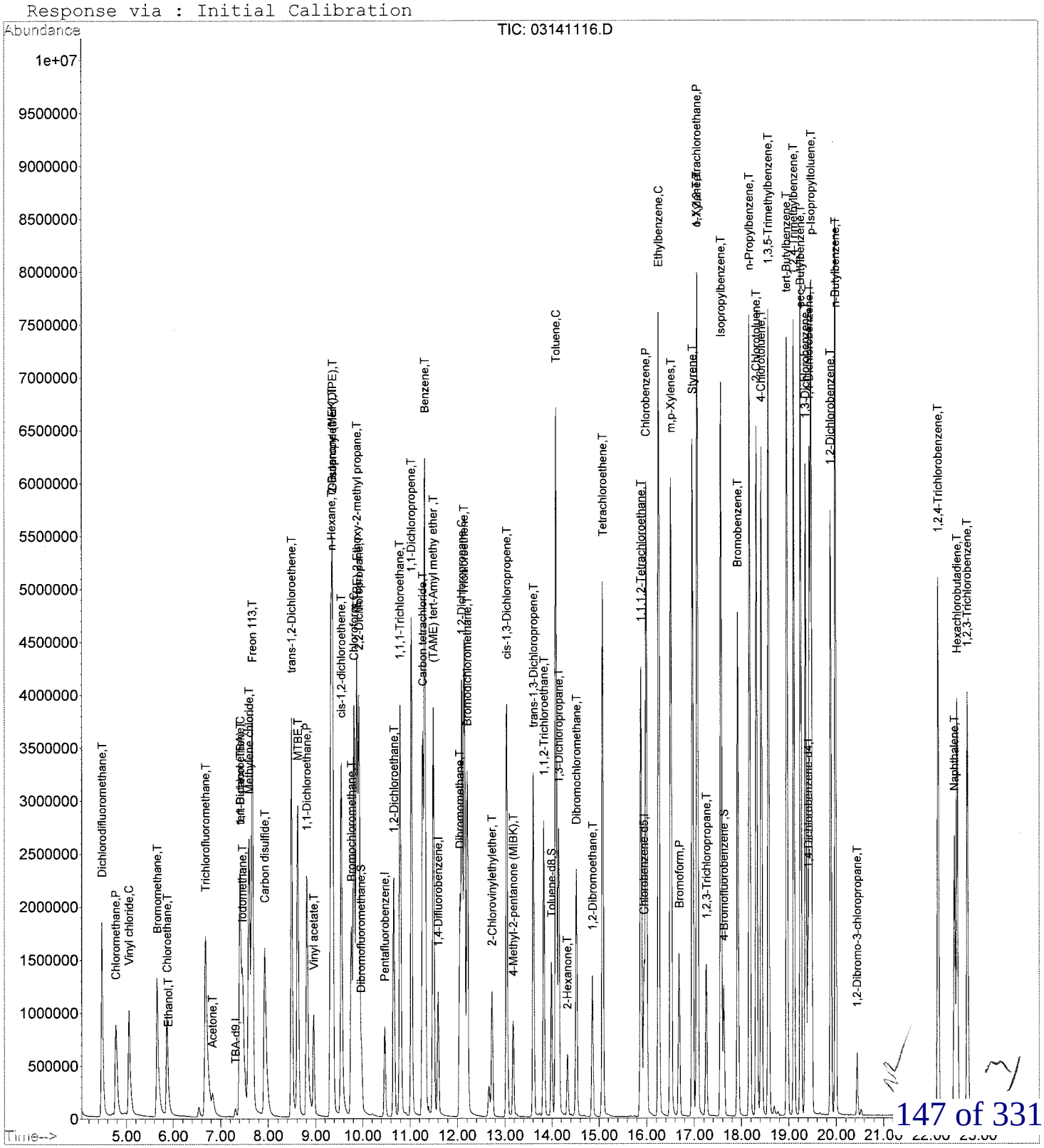
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	540136	101.86 ug/L	98
42) cis-1,3-Dichloropropene	13.04	75	2422907	98.31 ug/L	99
43) 4-Methyl-2-pentanone (MIBK	13.18	43	790515	98.81 ug/L	99
44) trans-1,3-Dichloropropene	13.61	75	2038801	100.56 ug/L	99
45) 1,1,2-Trichloroethane	13.83	97	1058683	98.54 ug/L	97
47) Toluene	14.09	92	3515212	89.97 ug/L	98
49) 1,3-Dichloropropane	14.15	76	1708221	91.44 ug/L	98
50) 2-Hexanone	14.33	43	518728	88.43 ug/L	99
51) Dibromochloromethane	14.52	129	1459234	98.69 ug/L	99
52) 1,2-Dibromoethane	14.86	107	1082579	96.07 ug/L	99
53) Tetrachloroethene	15.08	164	1519487	91.16 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.89	131	1512845	88.64 ug/L	99
55) Chlorobenzene	16.00	112	3917483	89.29 ug/L	99
56) Ethylbenzene	16.25	91	6837089	87.09 ug/L	99
57) m,p-Xylenes	16.51	106	2462109	89.02 ug/L	98
58) Styrene	16.97	104	3789547	90.20 ug/L	100
59) o-Xylene	17.07	106	2256874	96.83 ug/L	97
62) Bromoform	16.69	173	944244	108.66 ug/L	98
63) 1,1,2,2-Tetrachloroethane	17.05	83	873846	92.83 ug/L	100
64) 1,2,3-Trichloropropane	17.26	110	274845	100.60 ug/L	97
65) Isopropylbenzene	17.57	105	5973801	95.45 ug/L	99
66) Bromobenzene	17.92	156	1680625	97.11 ug/L	98
67) n-Propylbenzene	18.17	91	7541537	93.01 ug/L	98
68) 2-Chlorotoluene	18.32	91	4704101	91.91 ug/L	100
69) 4-Chlorotoluene	18.42	91	4886954	93.95 ug/L	99
70) 1,3,5-Trimethylbenzene	18.57	105	5395308	96.13 ug/L	98
71) tert-Butylbenzene	18.97	119	4264845	93.42 ug/L	100
72) 1,2,4-Trimethylbenzene	19.11	105	5218841	92.80 ug/L	99
73) sec-Butylbenzene	19.25	105	6692864	93.05 ug/L	99
74) 1,3-Dichlorobenzene	19.36	146	2835322	91.44 ug/L	99
75) 1,4-Dichlorobenzene	19.44	146	2796075	90.16 ug/L	99
76) p-Isopropyltoluene	19.48	119	5291995	91.19 ug/L	100
77) 1,2-Dichlorobenzene	19.89	146	2559332	94.35 ug/L	99
78) n-Butylbenzene	19.99	91	5507303	94.50 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.44	75	161576	94.76 ug/L	98
80) 1,2,4-Trichlorobenzene	22.16	180	2217200	100.74 ug/L	99
81) Naphthalene	22.50	128	2569603	100.19 ug/L	99
82) Hexachlorobutadiene	22.55	225	1189477	102.42 ug/L	100
83) 1,2,3-Trichlorobenzene	22.77	180	1773297	100.51 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141116.D 031411.M Tue Mar 15 14:33:06 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:32 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:33 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.32	65	129365	200.00	ug/L	0.01
4) Pentafluorobenzene	10.47	168	699660	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.61	114	1006186	25.00	ug/L	0.00
48) Chlorobenzene-d5	15.95	117	917970	25.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	479748	25.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	9.98	113	398274	24.83	ug/L	0.00
Spiked Amount 25.000			Recovery	=	99.32%	
46) Toluene-d8	13.99	98	1157719	26.09	ug/L	0.00
Spiked Amount 25.000			Recovery	=	104.36%	
60) 4-Bromofluorobenzene	17.62	95	485250	23.96	ug/L	0.00
Spiked Amount 25.000			Recovery	=	95.84%	

Target Compounds						Qvalue
2) Ethanol	5.91	45	94550	1833.65	ug/L	100
3) tert-Butanol (TBA)	7.42	59	623983	973.91	ug/L	100
5) Dichlorodifluoromethane	4.48	85	4978796	194.24	ug/L	99
6) Chloromethane	4.77	50	3627894	249.48	ug/L	99
7) Vinyl chloride	5.04	62	2933915	188.67	ug/L	98
8) Bromomethane	5.66	94	3378676	198.09	ug/L	95
9) Chloroethane	5.87	64	2405721	181.47	ug/L	99
10) Trichlorofluoromethane	6.68	101	6347877	198.85	ug/L	98
11) Acetone	6.83	43	712547	205.54	ug/L	99
12) Iodomethane	7.46	142	3664938	223.13	ug/L	93
13) 1,1-Dichloroethene	7.41	96	3203884	195.43	ug/L	99
14) Methylene chloride	7.60	84	3537544	183.19	ug/L	98
15) Freon 113	7.66	101	4003342	194.94	ug/L	99
16) Carbon disulfide	7.93	76	8527296	187.10	ug/L	99
17) trans-1,2-Dichloroethene	8.49	96	3483064	187.48	ug/L	100
18) MTBE	8.62	73	7020635	210.44	ug/L	100
19) 1,1-Dichloroethane	8.81	63	6426123	185.62	ug/L	99
20) Vinyl acetate	8.96	43	3622976	226.23	ug/L	100
21) n-Hexane	9.33	86	604351	176.83	ug/L	98
22) 2-Butanone (MEK)	9.35	72	170530	184.73	ug/L #	68
23) Diisopropylether (DIPE)	9.37	45	11136877	176.17	ug/L	99
24) cis-1,2-dichloroethene	9.55	96	3661493	183.83	ug/L	99
25) Bromochloromethane	9.77	128	1405227	204.09	ug/L #	81
26) Chloroform	9.82	83	6678986	180.01	ug/L	97
27) 2,2-Dichloropropane	9.93	77	5304843	177.83	ug/L	98
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	9368890	195.19	ug/L	97
30) 1,2-Dichloroethane	10.66	62	4567841	196.94	ug/L	99
31) 1,1,1-Trichloroethane	10.80	97	6043640	186.12	ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	6670791	199.02	ug/L	99
34) 1,1-Dichloropropene	11.03	75	4722226	188.87	ug/L	99
35) Carbon tetrachloride	11.28	117	5241069	198.06	ug/L	99
36) Benzene	11.32	78	11220600	178.04	ug/L	98
37) Dibromomethane	12.05	93	1825022	196.82	ug/L	99
38) 1,2-Dichloropropane	12.09	63	2880453	181.36	ug/L #	89
39) Trichloroethene	12.15	95	3587777	183.54	ug/L	98
0) Bromodichloromethane	12.21	83	4858580	196.76	ug/L	100

(#) = qualifier out of range (m) = manual integration
03141117.D 031411.M Tue Mar 15 14:33:20 2011

m 3/14/11

NL 3/15/11

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:33 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

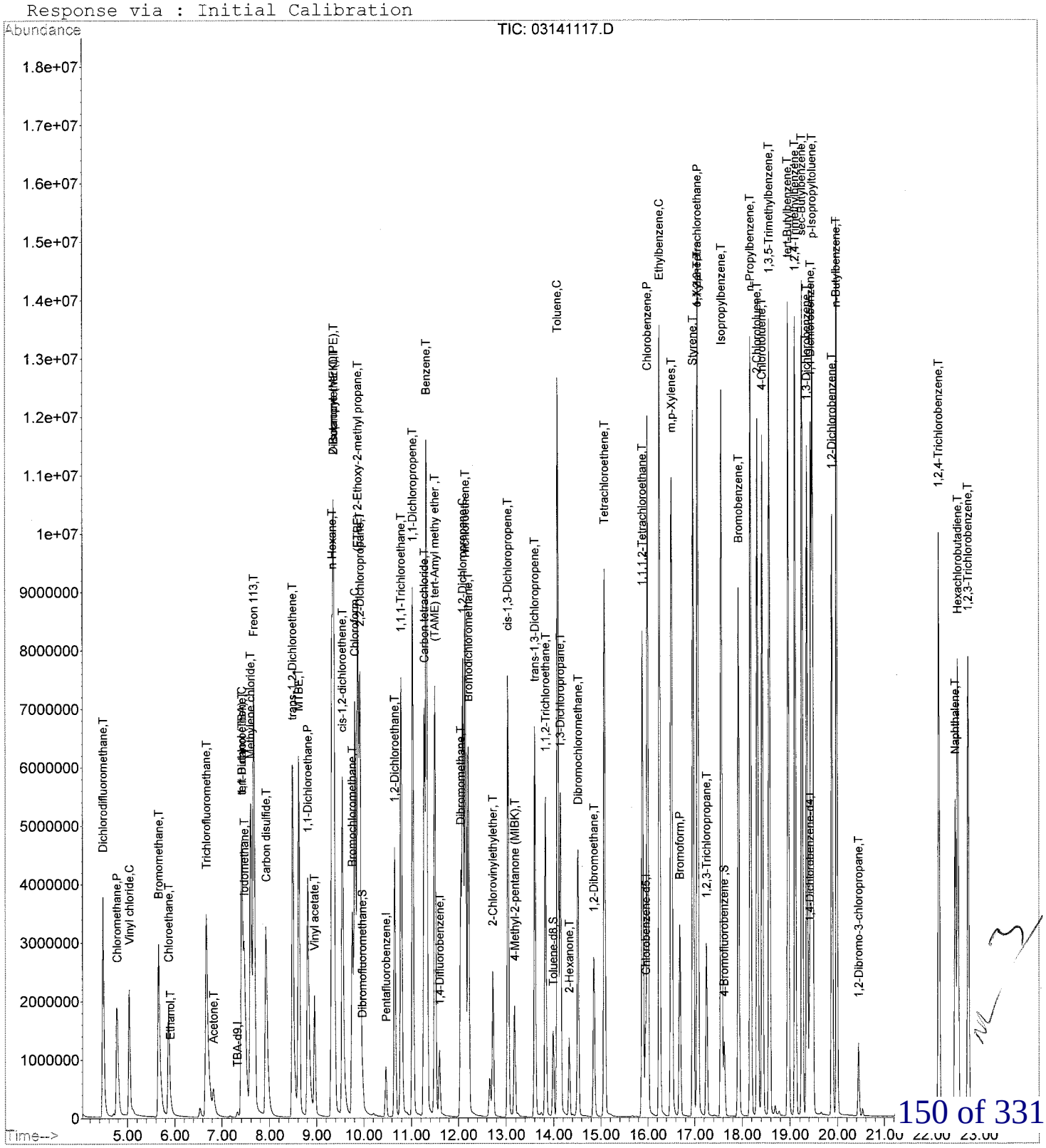
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41)	2-Chlorovinylethylether	12.73	63	1142848	219.84 ug/L	99
42)	cis-1,3-Dichloropropene	13.04	75	4684444	193.90 ug/L	99
43)	4-Methyl-2-pentanone (MIBK	13.17	43	1726401	220.12 ug/L	96
44)	trans-1,3-Dichloropropene	13.61	75	4141624	208.38 ug/L	99
45)	1,1,2-Trichloroethane	13.83	97	2150786	204.20 ug/L	97
47)	Toluene	14.09	92	6860422	179.11 ug/L	97
49)	1,3-Dichloropropane	14.15	76	3459676	192.73 ug/L	98
50)	2-Hexanone	14.33	43	1133041	201.03 ug/L	99
51)	Dibromochloromethane	14.52	129	3004500	211.49 ug/L	100
52)	1,2-Dibromoethane	14.85	107	2245419	207.39 ug/L	98
53)	Tetrachloroethene	15.08	164	2909810	181.69 ug/L	99
54)	1,1,1,2-Tetrachloroethane	15.88	131	3044708	185.67 ug/L	99
55)	Chlorobenzene	15.99	112	7715745	183.03 ug/L	98
56)	Ethylbenzene	16.25	91	12545598	166.32 ug/L	96
57)	m,p-Xylenes	16.52	106	4695826	176.71 ug/L	95
58)	Styrene	16.96	104	7335940	181.73 ug/L	100
59)	o-Xylene	17.07	106	4257910	201.87 ug/L	94
62)	Bromoform	16.69	173	1975315	230.87 ug/L	99
63)	1,1,2,2-Tetrachloroethane	17.06	83	1734795	187.17 ug/L	99
64)	1,2,3-Trichloropropane	17.26	110	571615	212.50 ug/L	97
65)	Isopropylbenzene	17.57	105	11035185	179.08 ug/L	97
66)	Bromobenzene	17.93	156	3228495	189.47 ug/L	98
67)	n-Propylbenzene	18.18	91	13380305	167.60 ug/L	96
68)	2-Chlorotoluene	18.32	91	8705455	172.76 ug/L	98
69)	4-Chlorotoluene	18.42	91	8803914	171.91 ug/L	97
70)	1,3,5-Trimethylbenzene	18.58	105	9721195	175.93 ug/L	96
71)	tert-Butylbenzene	18.96	119	7867457	175.03 ug/L	99
72)	1,2,4-Trimethylbenzene	19.12	105	9604835	173.46 ug/L	97
73)	sec-Butylbenzene	19.26	105	11904238	168.10 ug/L	97
74)	1,3-Dichlorobenzene	19.36	146	5330110	174.58 ug/L	99
75)	1,4-Dichlorobenzene	19.44	146	5270566	172.61 ug/L	100
76)	p-Isopropyltoluene	19.49	119	9529633	166.78 ug/L	99
77)	1,2-Dichlorobenzene	19.89	146	4794946	179.53 ug/L	99
78)	n-Butylbenzene	19.98	91	9702846	169.09 ug/L	96
79)	1,2-Dibromo-3-chloropropan	20.45	75	325159	193.69 ug/L	94
80)	1,2,4-Trichlorobenzene	22.15	180	4350123	200.74 ug/L	99
81)	Naphthalene	22.50	128	5414389	214.41 ug/L	98
82)	Hexachlorobutadiene	22.55	225	2333987	204.10 ug/L	99
83)	1,2,3-Trichlorobenzene	22.77	180	3553855	204.58 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141117.D 031411.M Tue Mar 15 14:33:21 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:33 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL DATA

METHOD: 8260B

DATE: 03/14/2011

WORK ORDER: PUC0526

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL DATA REVIEW CHECKLIST

1IC0531-LO

SOP PE-VOA-001 R.1
GC/MS Volatile Organic Analysis [Method No. EPA 624 & 8260B]

Analysis Date: 3/14/11	Analyst: NL		
Description	Yes	No	NA[1]
1. BFB (50 ng or less): Verify meets criteria every 12 hours	✓		
2. Initial Calibration Curve (5 levels)			
- Date of Initial Calibration: 3/14/11	✓		
- SPCCs must meet Min. RF	✓		
- CCCs ≤ 30% RPD	✓		
- All other compounds ≤ 15% RSD or use curve	✓		
- Comments:			
- Second source within historical limits	✓		
3. Continuing Calibration Check (every 12 hours)			
- SPCCs must meet Min. RF	✓		
- CCCs ≤ 20% D	✓		
- IS RT ± 30 secs	✓		
- IS area –50% to +100%	✓		
- All CCVs for reported analytes within historical limits	✓		
4. Method Blank			
- Analyze one per batch (≤ 20 samples or 12 hours, whichever is more frequent)	✓		
- All compounds of interest must be < Reporting Limit	✓		
5. Laboratory Control Samples (LCS/LCSD)			
- Must be analyzed per 20 samples/per matrix/per batch	✓		
- LCS/LSCD recoveries within historical limits		✓	
- RPD ≤ 25%	✓		
- Surrogates within historical limits	✓		
6. MS/MSD			
- Must be analyzed per 20 samples/per matrix/per batch	✓		
- MS/MSD recoveries within historical limits	✓		
- RPD ≤ 25%	✓		
- Surrogates within historical limits	✓		
7. Samples			
- Analyzed within 14 days of sampling	✓		
- IS = RT ± 30 secs and area –50% to +100% of Mid-Point of last ICAL or CCV	✓		
- Surrogate recoveries within historical limits	✓		
- pH ≤ 2	✓		
- If pH is not ≤ 2, flag data with P and pH Data Qualifier			✓
Comments:			

NOTE: Batch = 12 hour (from injection of BFB)

Review Signatures:	Analyst: [signature]	Date: 3/15/11
	Reviewer: [signature]	Date: 3/15/11

[1]) NA: Not Applicable

Injection Log

Directory: C:\HPCHEM\1\GCMS13\DATA\031411

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	03141101.d	1.	BLK		14 Mar 2011 06:23
2	2	03141102.d	1.	BLK		14 Mar 2011 06:56
3	1	03141103.d	1.	TUNE		14 Mar 2011 07:43
4	1	03141104.d	1.	25 PPB CCV		14 Mar 2011 08:12
5	2	03141105.d	1.	BLANK		14 Mar 2011 08:55
6	3	03141106.d	1.	BLANK		14 Mar 2011 09:28
7	4	03141107.d	1.	BLANK		14 Mar 2011 10:01
8	5	03141108.d	1.	0.5 PPB CAL PT		14 Mar 2011 10:33
9	6	03141109.d	1.	1.0 PPB CAL PT		14 Mar 2011 11:06
10	7	03141110.d	1.	2.0 PPB CAL PT		14 Mar 2011 11:39
11	8	03141111.d	1.	2.0 PPB CAL PT		14 Mar 2011 12:14
12	9	03141112.d	1.	5.0 PPB CAL PT		14 Mar 2011 12:47
13	10	03141113.d	1.	10 PPB CAL PT		14 Mar 2011 13:20
14	11	03141114.d	1.	25 PPB CAL PT		14 Mar 2011 13:53
15	12	03141115.d	1.	50 PPB CAL PT		14 Mar 2011 14:25
16	13	03141116.d	1.	100 PPB CAL PT		14 Mar 2011 14:57
17	14	03141117.d	1.	200 PPB CAL PT		14 Mar 2011 15:29
18	15	03141118.d	1.	BLANK		14 Mar 2011 16:02
19	16	03141119.d	1.	BLANK		14 Mar 2011 16:35
20	1	03141120.d	1.	TUNE		14 Mar 2011 17:13
21	1	03141121.d	1.	25PPB CCV		14 Mar 2011 17:28
22	2	03141122.d	1.	BS/ICV		14 Mar 2011 18:01
23	3	03141123.d	1.	BSD		14 Mar 2011 18:34
24	4	03141124.d	1.	PUC0598-01MS		14 Mar 2011 19:06
25	5	03141125.d	1.	PUC0598-01MSD		14 Mar 2011 19:38
26	6	03141126.d	1.	BLK		14 Mar 2011 20:11
27	7	03141127.d	1.	BLK1		14 Mar 2011 20:44
28	8	03141128.d	1.	PUC0598-05@TB		14 Mar 2011 21:17
29	9	03141129.d	1.	PUC0525-10@TB		14 Mar 2011 21:49
30	10	03141130.d	1.	PUC0526-02@TB		14 Mar 2011 22:22
31	11	03141131.d	1.	PUC0598-03		14 Mar 2011 22:55
32	12	03141132.d	1.	PUC0598-04		14 Mar 2011 23:28
33	13	03141133.d	1.	PUC0598-01		15 Mar 2011 00:01
34	14	03141134.d	1.	PUC0598-02		15 Mar 2011 00:33
35	15	03141135.d	1.	PUC0525-06		15 Mar 2011 01:06
36	16	03141136.d	1.	PUC0525-07		15 Mar 2011 01:39
37	17	03141137.d	1.	PUC0525-08		15 Mar 2011 02:12
38	18	03141138.d	1.	PUC0525-09		15 Mar 2011 02:45
39	19	03141139.d	1.	PUC0526-01		15 Mar 2011 03:18
40	20	03141140.d	1.	PUC0505-10RE1	10X	15 Mar 2011 03:51
41	21	03141141.d	1.	PUC0527-01RE1	50X	15 Mar 2011 04:24

MK 3/15/11

M 3/15/11

TestAmerica
Phoenix

GC/MS 13 DAILY LOG SUMMARY

DATE: 03-14-11

QC BATCH # (s) : 11C0531

ANALYST: NL

SEQUENCE FILE: 031411.S

CALIBRATION METHOD(S): 031411.M

POS #	FILENAME	SAMPLE ID.CLIENT	SAMPLE VOL.	pH	EPA METHOD	MATRIX	COMMENTS
	03141101	Blank	1x 10mL	NA	8260	H_2O	
	02						
	03	Tune	2uL				
	04	25 ppb	1x10mL				
	05	Blank					
	06						
	07						
	08	0.5 ppb					* NL 3/14/11
	09	1.0					
	10	2.0					
	11	~~2.0~~ 3.0 *					
	12	5.0					
	13	10					
	14	25					
	15	50					
	16	100					
	17	200					
	18	Blank					
	19						
	20	Tune	2uL				
	21	25 ppb CCV	1x10mL				
	22	ICV / BS1					11C0531-BS1
	23	11C0531 - BSD1					
	24	* ~~BLK1~~ MS1					vial B
	25	MSD1					1c
	26	Blank					
	27	11C0531 - BLK1					
	28	PUC0598-05 A ~~TB~~					
	29	0525-10 A					
	30	0528-02 A					

STANDARD ID NUMBERS

CCV/H20 LCS/H20 SPIKE: PU01393, 01471

CALIBRATION STD: PU01521, 01334

IS/Surrogate: PU01157

BFB: PU01261

LOT #:

REQUIRED REVIEWS

ARCHON REVIEWED

By / Date: NL 3/14/11

SEQUENCE REVIEWED

By / Date: NL 3/15/11

FINAL REVIEWER / Date: M 3/16/11

PX VOA 008/C 07/09

TestAmerica
Phoenix

GC/MS 13 DAILY LOG SUMMARY

DATE: 3.14.11 (con't)

QC BATCH # (s) :

ANALYST:

SEQUENCE FILE:

CALIBRATION METHOD(S):

POS #	FILENAME	SAMPLE ID.CLIENT	SAMPLE VOL.	pH	EPA METHOD	MATRIX	COMMENTS
	03141131	PLC0598-03 A	1x10mL		8260	H_2O	
	32	04 A					Source
	33	01 A					
	34	02 A					
	35	0525-06 B REI					
	36	07 B					
	37	08 A					
	38	09 A					
	39	0526-01 A					
	40	0505-10 REI @10X	1mL→10mL				
	41	0527-01 REI @50X	200µL→10mL				

NL 3/15/11

STANDARD ID NUMBERS

CCV/H20 LCS/H20 SPIKE:

CALIBRATION STD:

IS/Surrogate:

BFB:

LOT #:

See prev. page (18)

REQUIRED REVIEWS

ARCHON REVIEWED

By / Date:

SEQUENCE REVIEWED

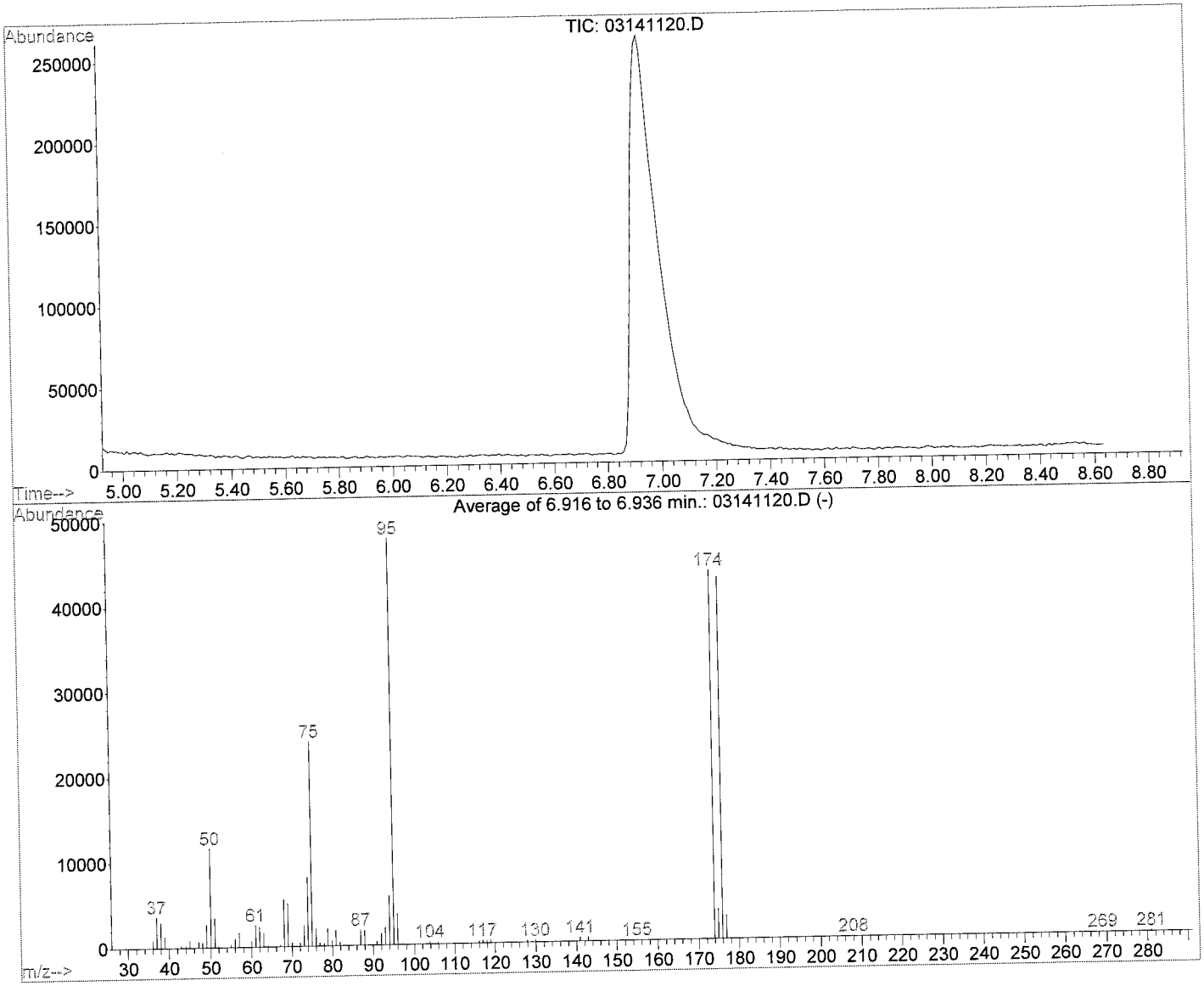
By / Date:

FINAL REVIEWER / Date: ML 4/16/11

PX VOA 003/C 07/09

Method 8260

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141120.D Vial: 1
Acq On : 14 Mar 2011 5:13 pm Operator: NL
Sample : TUNE Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260



Spectrum Information: Average of 6.916 to 6.936 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.3	11600	PASS
75	95	30	60	50.4	24008	PASS
95	95	100	100	100.0	47677	PASS
96	95	5	9	7.5	3577	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	90.7	43245	PASS
175	174	5	9	8.1	3487	PASS
176	174	95	101	98.1	42427	PASS
177	176	5	9	6.4	2701	PASS

ML 4/16/11

4/16/11

03141120.D 031411.M Wed Mar 16 11:40:42 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141121.D Vial: 1
Acq On : 14 Mar 2011 5:28 pm Operator: NL
Sample : 25PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 17:51 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	116549	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	706499	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1085647	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	977473	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	485709	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	413630	25.53 ug/L	0.00
Spiked Amount 25.000			Recovery	= 102.12%	
46) Toluene-d8	13.99	98	1161424	24.26 ug/L	0.00
Spiked Amount 25.000			Recovery	= 97.04%	
60) 4-Bromofluorobenzene	17.63	95	507906	23.56 ug/L	0.00
Spiked Amount 25.000			Recovery	= 94.24%	
Target Compounds					Qvalue
2) Ethanol	5.91	45	35440	762.88 ug/L	94
3) tert-Butanol (TBA)	7.42	59	81929	137.67 ug/L #	96
5) Dichlorodifluoromethane	4.48	85	643375	24.86 ug/L	100
6) Chloromethane	4.78	50	341666	23.27 ug/L	100
7) Vinyl chloride	5.06	62	411356	26.20 ug/L	98
8) Bromomethane	5.66	94	239796	19.11 ug/L	95
9) Chloroethane	5.87	64	328090	24.51 ug/L	99
10) Trichlorofluoromethane	6.68	101	789213	24.48 ug/L	98
11) Acetone	6.83	43	96698	27.62 ug/L	98
12) Iodomethane	7.47	142	395419	25.44 ug/L	92
13) 1,1-Dichloroethene	7.41	96	400821	24.21 ug/L	99
14) Methylene chloride	7.60	84	453239	23.24 ug/L	99
15) Freon 113	7.66	101	532503	25.68 ug/L	98
16) Carbon disulfide	7.93	76	1004297	21.82 ug/L	99
17) trans-1,2-Dichloroethene	8.49	96	440397	23.48 ug/L	97
18) MTBE	8.62	73	783514	23.26 ug/L	99
19) 1,1-Dichloroethane	8.81	63	867488	24.81 ug/L	99
20) Vinyl acetate	8.96	43	405816	25.09 ug/L	100
21) n-Hexane	9.32	86	89896	26.05 ug/L	96
22) 2-Butanone (MEK)	9.35	72	22248	23.87 ug/L #	91
23) Diisopropylether (DIPE)	9.37	45	1547064	24.24 ug/L	99
24) cis-1,2-dichloroethene	9.55	96	482518	23.99 ug/L	98
25) Bromochloromethane	9.76	128	166780	23.99 ug/L	96
26) Chloroform	9.81	83	866906	23.14 ug/L	99
27) 2,2-Dichloropropane	9.92	77	756650	25.12 ug/L	95
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	1163220	24.00 ug/L	98
30) 1,2-Dichloroethane	10.66	62	549228	23.45 ug/L	100
31) 1,1,1-Trichloroethane	10.79	97	781966	23.85 ug/L	100
32) (TAME) tert-Amyl methy eth	11.50	73	773017	22.84 ug/L	100
34) 1,1-Dichloropropene	11.03	75	628708	23.31 ug/L	100
35) Carbon tetrachloride	11.27	117	659853	23.11 ug/L	99
36) Benzene	11.32	78	1582211	23.27 ug/L	99
37) Dibromomethane	12.05	93	219079	21.90 ug/L	99
38) 1,2-Dichloropropane	12.09	63	393805	22.98 ug/L	97
39) Trichloroethene	12.14	95	485805	23.03 ug/L	98
40) Bromodichloromethane	12.21	83	572601	21.49 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141121.D 031411.M Tue Mar 15 14:35:58 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141121.D Vial: 1
Acq On : 14 Mar 2011 5:28 pm Operator: NL
Sample : 25PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 17:51 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

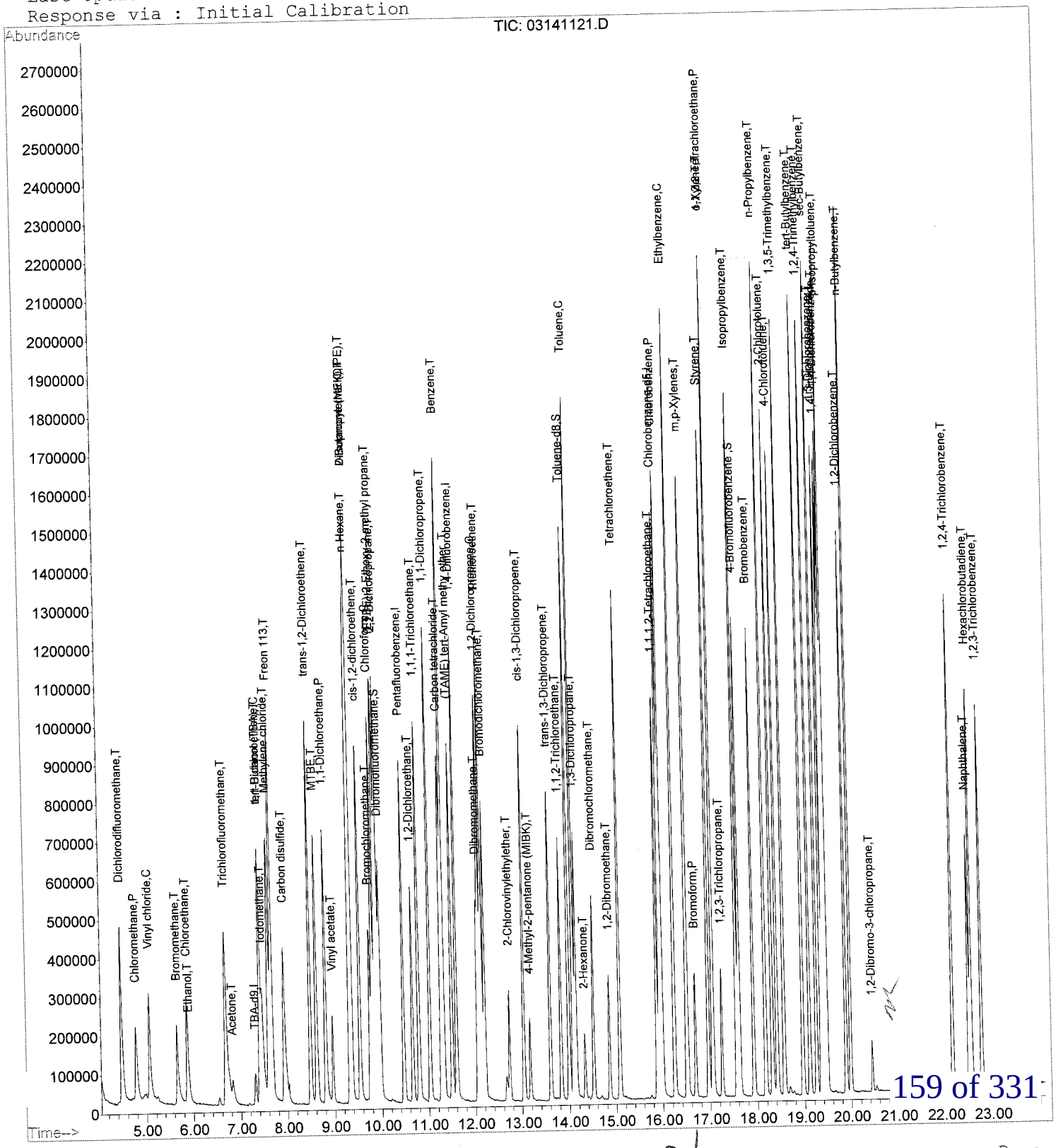
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	125676	22.41 ug/L	98
42) cis-1,3-Dichloropropene	13.05	75	605164	23.22 ug/L	100
43) 4-Methyl-2-pentanone (MIBK	13.18	43	188494	22.27 ug/L	99
44) trans-1,3-Dichloropropene	13.61	75	491600	22.92 ug/L	99
45) 1,1,2-Trichloroethane	13.83	97	256717	22.59 ug/L	97
47) Toluene	14.09	92	925171	22.39 ug/L	99
49) 1,3-Dichloropropane	14.14	76	410598	21.48 ug/L	98
50) 2-Hexanone	14.33	43	154046	25.67 ug/L	99
51) Dibromochloromethane	14.52	129	324073	21.42 ug/L	98
52) 1,2-Dibromoethane	14.86	107	259628	22.52 ug/L	98
53) Tetrachloroethene	15.08	164	386785	22.68 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.89	131	370521	21.22 ug/L	98
55) Chlorobenzene	15.99	112	1022176	22.77 ug/L	100
56) Ethylbenzene	16.25	91	1824563	22.72 ug/L	99
57) m,p-Xylenes	16.51	106	661557	23.38 ug/L	96
58) Styrene	16.97	104	1008817	23.47 ug/L	99
59) o-Xylene	17.07	106	615990	24.68 ug/L	96
62) Bromoform	16.69	173	193443	22.33 ug/L	98
63) 1,1,2,2-Tetrachloroethane	17.05	83	217064	23.13 ug/L	99
64) 1,2,3-Trichloropropane	17.26	110	63516	23.32 ug/L	96
65) Isopropylbenzene	17.57	105	1561694	25.03 ug/L	100
66) Bromobenzene	17.92	156	423630	24.56 ug/L	99
67) n-Propylbenzene	18.18	91	2091023	25.87 ug/L	98
68) 2-Chlorotoluene	18.32	91	1279079	25.07 ug/L	100
69) 4-Chlorotoluene	18.42	91	1257062	24.24 ug/L	99
70) 1,3,5-Trimethylbenzene	18.57	105	1410045	25.20 ug/L	98
71) tert-Butylbenzene	18.96	119	1156404	25.41 ug/L	98
72) 1,2,4-Trimethylbenzene	19.11	105	1404596	25.05 ug/L	100
73) sec-Butylbenzene	19.26	105	1793941	25.02 ug/L	99
74) 1,3-Dichlorobenzene	19.36	146	752449	24.34 ug/L	100
75) 1,4-Dichlorobenzene	19.44	146	738952	23.90 ug/L	98
76) p-Isopropyltoluene	19.48	119	1475049	25.50 ug/L	99
77) 1,2-Dichlorobenzene	19.89	146	655921	24.26 ug/L	100
78) n-Butylbenzene	19.99	91	1479699	25.47 ug/L	100
79) 1,2-Dibromo-3-chloropropan	20.45	75	31949	18.80 ug/L	93
80) 1,2,4-Trichlorobenzene	22.16	180	552265	25.17 ug/L	99
81) Naphthalene	22.50	128	633792	24.79 ug/L	99
82) Hexachlorobutadiene	22.56	225	307956	26.60 ug/L	99
83) 1,2,3-Trichlorobenzene	22.77	180	426725	24.26 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141121.D 031411.M Tue Mar 15 14:35:58 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141121.D Vial: 1
Acq On : 14 Mar 2011 5:28 pm Operator: NL
Sample : 25PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 17:51 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141121.D Vial: 1
Acq On : 14 Mar 2011 5:28 pm Operator: NL
Sample : 25PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	TBA-d9	1.000	1.000	0.0	93	0.00
2	T	Ethanol	0.080	0.243	-203.7#	277#	0.00
3	T	tert-Butanol (TBA)	1.108	1.125	-1.5	108	0.00
4	I	Pentafluorobenzene	1.000	1.000	0.0	101	0.00
5	T	Dichlorodifluoromethane	0.916	0.911	0.5	100	0.00
6	P	Chloromethane	0.520	0.484	6.9	109	0.00
7	C	Vinyl chloride	0.556	0.582	-4.7	109	0.00
8	T	Bromomethane	0.401	0.339	15.5	82	0.00
9	T	Chloroethane	0.474	0.464	2.1	100	0.00
10	T	Trichlorofluoromethane	1.141	1.117	2.1	98	0.00
11	T	Acetone	0.124	0.137	-10.5	129	0.00
12	T	Iodomethane	0.459	0.560	-22.0	107	0.00
13	C	1,1-Dichloroethene	0.586	0.567	3.2	103	0.00
14	T	Methylene chloride	0.690	0.642	7.0	100	0.00
15	T	Freon 113	0.734	0.754	-2.7	103	0.00
16	T	Carbon disulfide	1.629	1.422	12.7	99	0.00
17	T	trans-1,2-Dichloroethene	0.664	0.623	6.2	101	0.00
18	T	MTBE	1.192	1.109	7.0	94	0.00
19	P	1,1-Dichloroethane	1.237	1.228	0.7	104	0.00
20	T	Vinyl acetate	0.572	0.574	-0.3	98	0.00
21	T	n-Hexane	0.122	0.127	-4.1	106	0.00
22	T	2-Butanone (MEK)	0.033	0.031	6.1	103	0.00
23	T	Diisopropylether (DIPE)	2.259	2.190	3.1	99	0.00
24	T	cis-1,2-dichloroethene	0.712	0.683	4.1	101	0.00
25	T	Bromochloromethane	0.246	0.236	4.1	98	0.00
26	C	Chloroform	1.326	1.227	7.5	99	0.00
27	T	2,2-Dichloropropane	1.066	1.071	-0.5	109	0.00
28	T	(ETBE) 2-Ethoxy-2-methyl pr	1.715	1.646	4.0	96	0.00
29	S	Dibromofluoromethane	0.573	0.585	-2.1	102	0.00
30	T	1,2-Dichloroethane	0.829	0.777	6.3	97	0.00
31	T	1,1,1-Trichloroethane	1.160	1.107	4.6	99	0.00
32	T	(TAME) tert-Amyl methy ethe	1.198	1.094	8.7	92	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	107	0.00
34	T	1,1-Dichloropropene	0.621	0.579	6.8	103	0.00
35	T	Carbon tetrachloride	0.657	0.608	7.5	100	0.00
36	T	Benzene	1.566	1.457	7.0	105	0.00
37	T	Dibromomethane	0.230	0.202	12.2	94	0.00
38	C	1,2-Dichloropropane	0.395	0.363	8.1	101	0.00
39	T	Trichloroethene	0.486	0.447	8.0	101	0.00
40	T	Bromodichloromethane	0.614	0.527	14.2	93	0.00
41	T	2-Chlorovinylethylether	0.129	0.116	10.1	92	0.00
42	T	cis-1,3-Dichloropropene	0.600	0.557	7.2	100	0.00
43	T	4-Methyl-2-pentanone (MIBK)	0.195	0.174	10.8	93	0.00
44	T	trans-1,3-Dichloropropene	0.494	0.453	8.3	96	0.00
45	T	1,1,2-Trichloroethane	0.262	0.236	9.9	98	0.00
46	S	Toluene-d8	1.103	1.070	3.0	102	0.00
47	C	Toluene	0.952	0.852	10.5	99	0.00

(#) = Out of Range
03141121.D 031411.M Tue Mar 15 14:36:04 2011

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141121.D Vial: 1
Acq On : 14 Mar 2011 5:28 pm Operator: NL
Sample : 25PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,3-Dichloropropane	0.489	0.420	14.1	93	0.00
50	T	2-Hexanone	0.153	0.158	-3.3	117	0.00
51	T	Dibromochloromethane	0.387	0.332	14.2	90	0.00
52	T	1,2-Dibromoethane	0.295	0.266	9.8	96	0.00
53	T	Tetrachloroethene	0.436	0.396	9.2	102	0.00
54	T	1,1,1,2-Tetrachloroethane	0.447	0.379	15.2	98	0.00
55	P	Chlorobenzene	1.148	1.046	8.9	102	0.00
56	C	Ethylbenzene	2.054	1.867	9.1	98	0.00
57	T	m,p-Xylenes	0.724	0.677	6.5	105	0.00
58	T	Styrene	1.099	1.032	6.1	101	0.00
59	T	o-Xylene	0.692	0.630	9.0	102	0.00
60	S	4-Bromofluorobenzene	0.551	0.520	5.6	100	0.00
61	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
62	P	Bromoform	0.446	0.398	10.8	83	0.00
63	P	1,1,2,2-Tetrachloroethane	0.483	0.447	7.5	88	0.00
64	T	1,2,3-Trichloropropane	0.140	0.131	6.4	90	0.00
65	T	Isopropylbenzene	3.211	3.215	-0.1	97	0.00
66	T	Bromobenzene	0.888	0.872	1.8	97	0.00
67	T	n-Propylbenzene	4.160	4.305	-3.5	103	0.00
68	T	2-Chlorotoluene	2.626	2.633	-0.3	101	0.00
69	T	4-Chlorotoluene	2.669	2.588	3.0	98	0.00
70	T	1,3,5-Trimethylbenzene	2.879	2.903	-0.8	101	0.00
71	T	tert-Butylbenzene	2.342	2.381	-1.7	101	0.00
72	T	1,2,4-Trimethylbenzene	2.886	2.892	-0.2	99	0.00
73	T	sec-Butylbenzene	3.690	3.693	-0.1	98	0.00
74	T	1,3-Dichlorobenzene	1.591	1.549	2.6	99	0.00
75	T	1,4-Dichlorobenzene	1.591	1.521	4.4	98	0.00
76	T	p-Isopropyltoluene	2.978	3.037	-2.0	101	0.00
77	T	1,2-Dichlorobenzene	1.392	1.350	3.0	96	0.00
78	T	n-Butylbenzene	2.990	3.046	-1.9	100	0.00
79	T	1,2-Dibromo-3-chloropropane	0.087	0.066	24.1	76	0.00
80	T	1,2,4-Trichlorobenzene	1.129	1.137	-0.7	98	0.00
81	T	Naphthalene	1.316	1.305	0.8	90	0.00
82	T	Hexachlorobutadiene	0.596	0.634	-6.4	101	0.00
83	T	1,2,3-Trichlorobenzene	0.905	0.879	2.9	94	0.00

NL

(#) = Out of Range SPCC's out = 0 CCC's out = 0
03141121.D 031411.M Tue Mar 15 14:36:05 2011

8260 Continuing Calibration (CCV) Report

Sample Name 25PPB CCV
Data File Name 03141121.D
Operator NL
Date Acquired 3/14/2011 5:28
Acq. Method File 8260B

Internal Standards	Calib. Response	CCV Response	Low	High	P/F
TBA-d9	125792	116549	58275	233098	TRUE
Pentafluorobenzene	699455	706499	353250	1412998	TRUE
1,4-Difluorobenzene	1014981	1085647	542824	2171294	TRUE
Chlorobenzene-d5	936018	977473	488737	1954946	TRUE
1,4-Dichlorobenzene-d4	492554	485709	242855	971418	TRUE

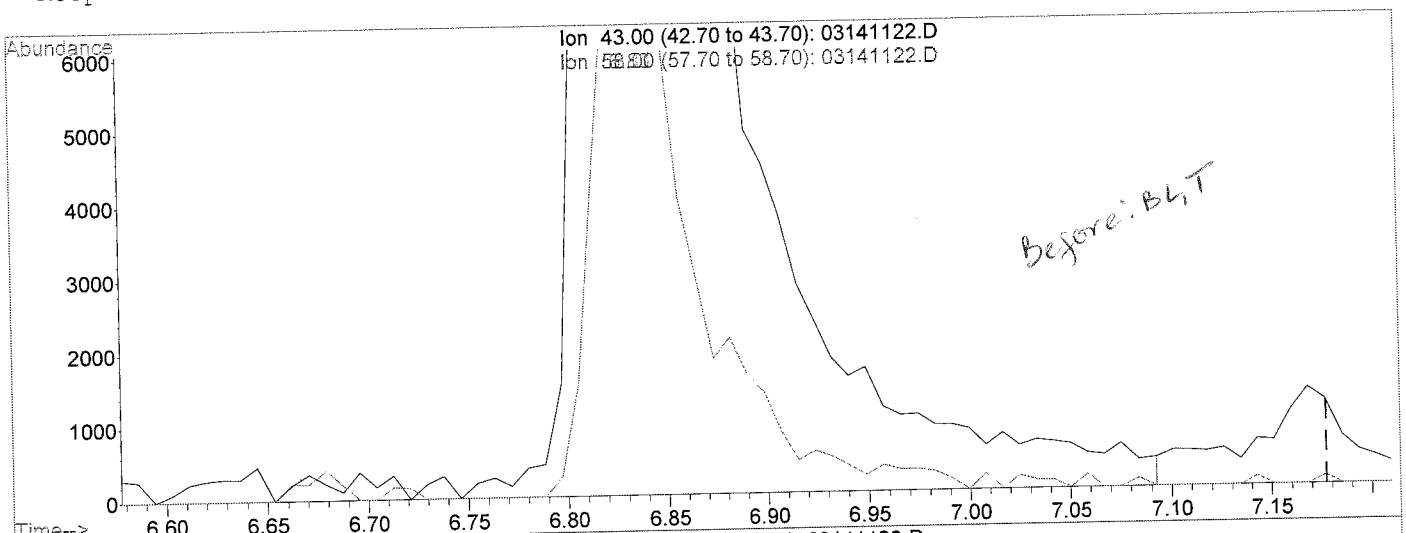
Compound	Amount	Spiked Amount	% Recovery	Low	High	P/F
Ethanol	762.88	250	305.15	80	140	FALSE NR/NT
tert-Butanol (TBA)	137.67	125	110.14	80	120	TRUE
Dichlorodifluoromethane	24.86	25	99.43	60	150	TRUE
Chloromethane	23.27	25	93.07	60	140	TRUE
Vinyl chloride	26.20	25	104.79	80	120	TRUE
Bromomethane	19.11	25	76.45	70	140	TRUE
Chloroethane	24.51	25	98.04	70	130	TRUE
Trichlorofluoromethane	24.48	25	97.93	70	150	TRUE
Acetone	27.62	25	110.49	10	150	TRUE
Iodomethane	25.44	25	101.76	70	140	TRUE
1,1-Dichloroethene	24.21	25	96.85	80	120	TRUE
Methylene chloride	23.24	25	92.98	70	120	TRUE
Freon 113	25.68	25	102.72	60	140	TRUE
Carbon disulfide	21.82	25	87.29	70	130	TRUE
trans-1,2-Dichloroethene	23.48	25	93.90	80	120	TRUE
MTBE	23.26	25	93.03	70	130	TRUE
1,1-Dichloroethane	24.81	25	99.26	70	125	TRUE
Vinyl acetate	25.09	25	100.38	40	150	TRUE
n-Hexane	26.05	25	104.19	70	130	TRUE
2-Butanone (MEK)	23.87	25	95.47	40	150	TRUE
Diisopropylether (DIPE)	24.24	25	96.94	80	130	TRUE
cis-1,2-dichloroethene	23.99	25	95.96	80	120	TRUE
Bromochloromethane	23.99	25	95.95	80	120	TRUE
Chloroform	23.14	25	92.55	80	120	TRUE
2,2-Dichloropropane	25.12	25	100.48	80	130	TRUE
:TBE) 2-Ethoxy-2-methyl propa	24.00	25	96.00	80	130	TRUE
Dibromofluoromethane	25.53	25	102.14	80	120	TRUE
1,2-Dichloroethane	23.45	25	93.80	75	130	TRUE
1,1,1-Trichloroethane	23.85	25	95.39	80	120	TRUE
(TAME) tert-Amyl methy ether	22.84	25	91.36	80	130	TRUE
1,1-Dichloropropene	23.31	25	93.22	80	120	TRUE
Carbon tetrachloride	23.11	25	92.44	80	130	TRUE
Benzene	23.27	25	93.07	80	120	

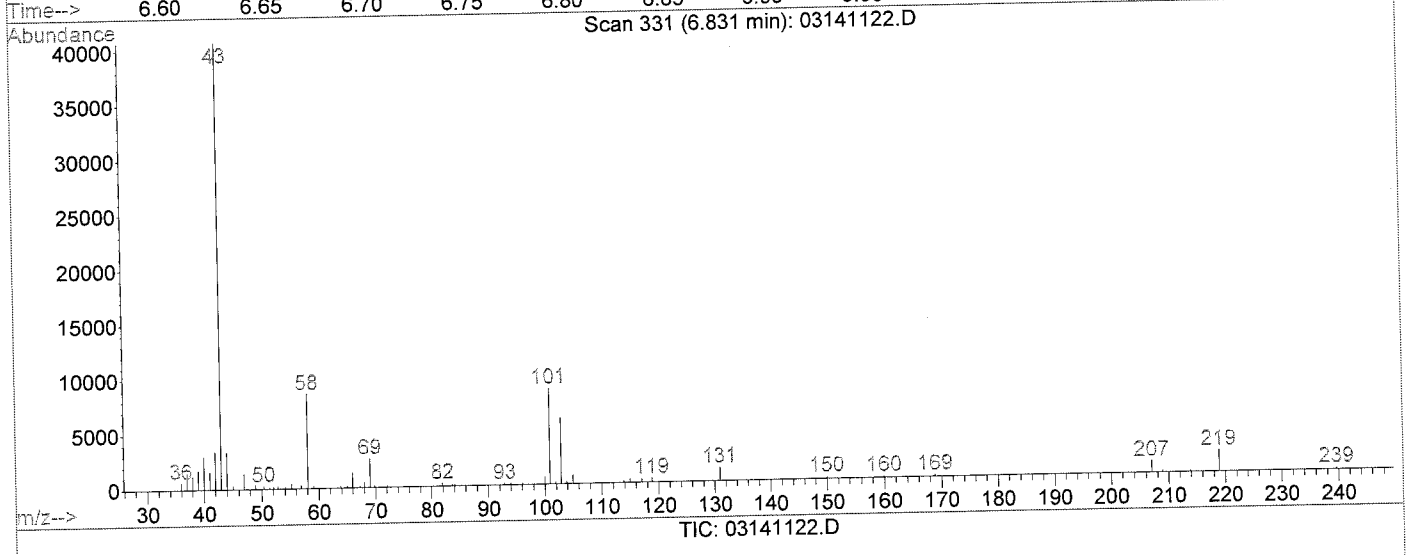
Dibromomethane	21.90	25	87.59	80	120	TRUE
1,2-Dichloropropane	22.98	25	91.92	80	120	TRUE
Trichloroethene	23.03	25	92.13	80	120	TRUE
Bromodichloromethane	21.49	25	85.96	80	120	TRUE
2-Chlorovinylethylether	22.41	25	89.62	70	135	TRUE
cis-1,3-Dichloropropene	23.22	25	92.86	80	120	TRUE
4-Methyl-2-pentanone (MIBK)	22.27	25	89.10	60	130	TRUE
trans-1,3-Dichloropropene	22.92	25	91.70	80	125	TRUE
1,1,2-Trichloroethane	22.59	25	90.36	80	120	TRUE
Toluene-d8	24.26	25	97.03	80	120	TRUE
Toluene	22.39	25	89.55	80	120	TRUE
1,3-Dichloropropane	21.48	25	85.92	80	120	TRUE
2-Hexanone	25.67	25	102.67	20	150	TRUE
Dibromochloromethane	21.42	25	85.69	80	120	TRUE
1,2-Dibromoethane	22.52	25	90.08	80	120	TRUE
Tetrachloroethene	22.68	25	90.72	70	130	TRUE
1,1,1,2-Tetrachloroethane	21.22	25	84.88	80	120	TRUE
Chlorobenzene	22.77	25	91.08	80	120	TRUE
Ethylbenzene	22.72	25	90.87	80	120	TRUE
m,p-Xylenes	23.38	25	93.52	60	140	TRUE
Styrene	23.47	25	93.88	80	120	TRUE
o-Xylene	24.68	25	98.73	80	120	TRUE
4-Bromofluorobenzene	23.56	25	94.22	80	120	TRUE
Bromoform	22.33	25	89.33	80	120	TRUE
1,1,2,2-Tetrachloroethane	23.13	25	92.53	80	120	TRUE
1,2,3-Trichloropropane	23.32	25	93.29	70	130	TRUE
Isopropylbenzene	25.03	25	100.13	80	130	TRUE
Bromobenzene	24.56	25	98.23	80	120	TRUE
n-Propylbenzene	25.87	25	103.48	75	130	TRUE
2-Chlorotoluene	25.07	25	100.29	80	120	TRUE
4-Chlorotoluene	24.24	25	96.98	80	120	TRUE
1,3,5-Trimethylbenzene	25.20	25	100.82	80	130	TRUE
tert-Butylbenzene	25.41	25	101.64	80	120	TRUE
1,2,4-Trimethylbenzene	25.05	25	100.22	80	120	TRUE
sec-Butylbenzene	25.02	25	100.09	80	125	TRUE
1,3-Dichlorobenzene	24.34	25	97.37	80	120	TRUE
1,4-Dichlorobenzene	23.90	25	95.62	80	120	TRUE
p-Isopropyltoluene	25.50	25	101.99	80	130	TRUE
1,2-Dichlorobenzene	24.26	25	97.03	80	120	TRUE
n-Butylbenzene	25.47	25	101.88	80	130	TRUE
1,2-Dibromo-3-chloropropane	18.80	25	75.19	50	150	TRUE
1,2,4-Trichlorobenzene	25.17	25	100.69	50	150	TRUE
Naphthalene	24.79	25	99.16	40	150	TRUE
Hexachlorobutadiene	26.60	25	106.40	40	150	TRUE
1,2,3-Trichlorobenzene	24.26	25	97.05	60	140	TRUE

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 18:41 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration





(11) Acetone (T)

6.83min 37.77ug/L

response 132114

Ion	Exp%	Act%
43.00	100	100
58.00	21.30	20.63
0.00	0.00	0.00
0.00	0.00	0.00

NL 3/15/11

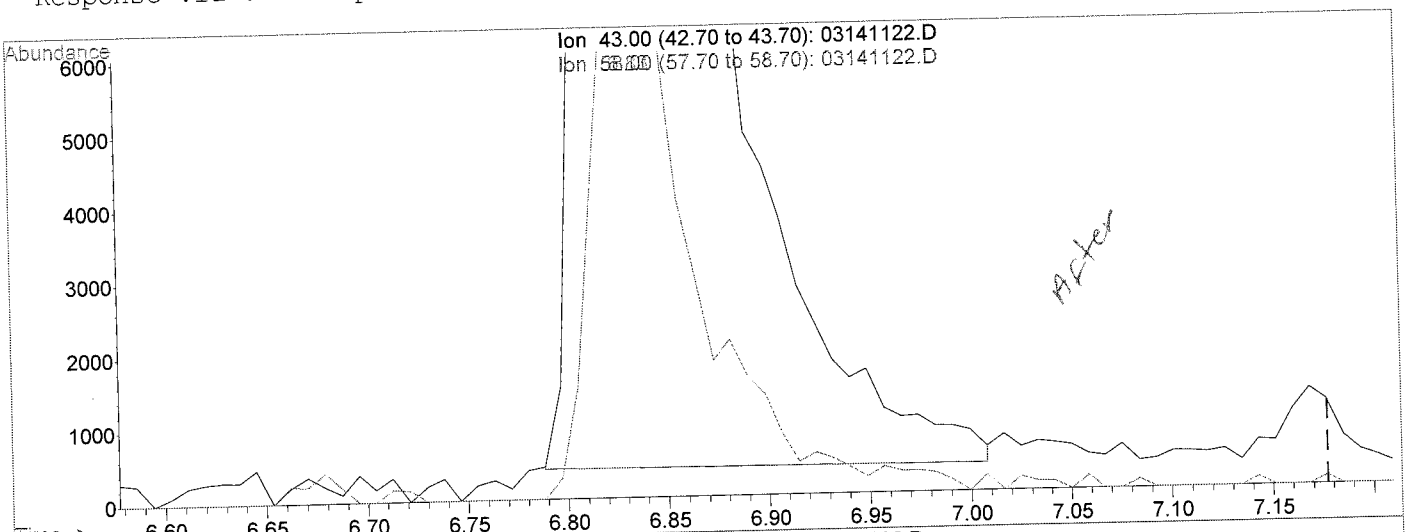
3/16/11

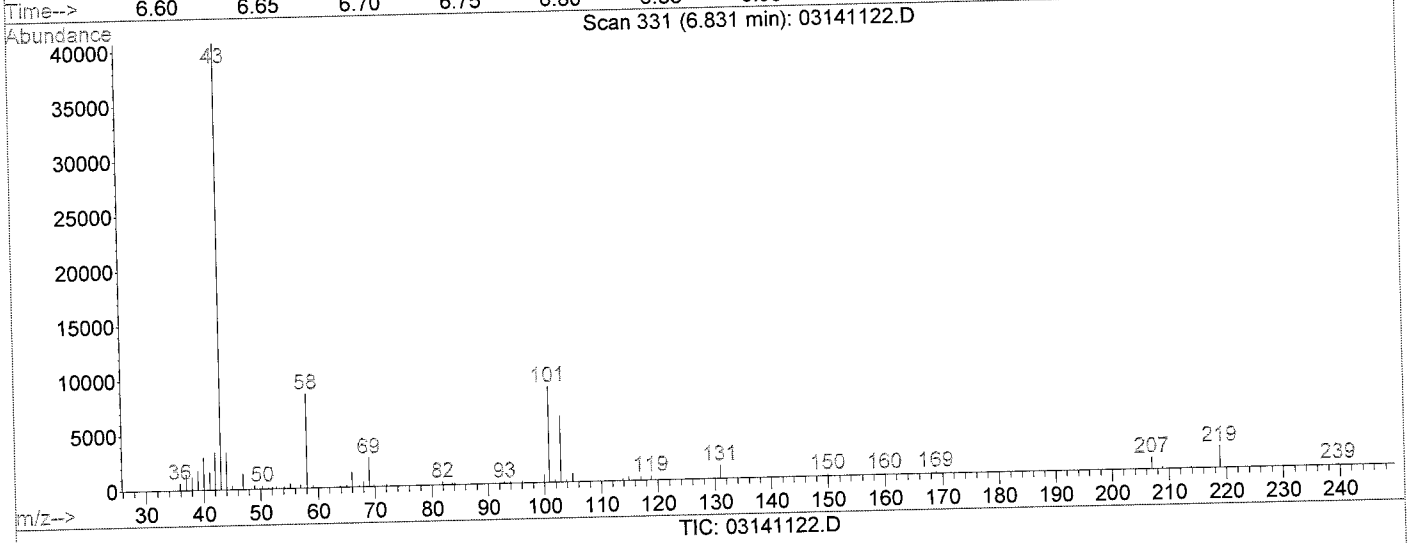
03141122.D 031411.M Tue Mar 15 14:37:27 2011

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:37 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration





(11) Acetone (T)

6.83min 35.28ug/L m

response 123411

Ion	Exp%	Act%
43.00	100	100
58.00	21.30	22.09
0.00	0.00	0.00
0.00	0.00	0.00

03141122.D 031411.M Tue Mar 15 14:37:45 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:37 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	124354	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	706016	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.61	114	1059053	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	958616	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	484312	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	399298	24.67 ug/L	0.00
Spiked Amount 25.000			Recovery =	98.68%	
46) Toluene-d8	13.99	98	1164232	24.93 ug/L	0.00
Spiked Amount 25.000			Recovery =	99.72%	
60) 4-Bromofluorobenzene	17.62	95	506259	23.94 ug/L	0.00
Spiked Amount 25.000			Recovery =	95.76%	

Target Compounds					Qvalue
2) Ethanol	5.90	45	28459	574.16 ug/L	98
3) tert-Butanol (TBA)	7.41	59	106678	169.11 ug/L #	94
5) Dichlorodifluoromethane	4.48	85	572815	22.15 ug/L	98
6) Chloromethane	4.78	50	323600	22.05 ug/L	98
7) Vinyl chloride	5.06	62	394350	25.13 ug/L	98
8) Bromomethane	5.67	94	272231	21.51 ug/L	95
9) Chloroethane	5.87	64	331779	24.80 ug/L	99
10) Trichlorofluoromethane	6.68	101	898550	27.89 ug/L	97
11) Acetone	6.83	43	123411m	35.28 ug/L	
12) Iodomethane	7.46	142	475479	30.25 ug/L	89
13) 1,1-Dichloroethene	7.41	96	418883	25.32 ug/L	98
14) Methylene chloride	7.60	84	453568	23.28 ug/L	100
15) Freon 113	7.67	101	520522	25.12 ug/L	99
16) Carbon disulfide	7.93	76	1119644	24.34 ug/L	98
17) trans-1,2-Dichloroethene	8.48	96	452357	24.13 ug/L	99
18) MTBE	8.62	73	797919	23.70 ug/L	100
19) 1,1-Dichloroethane	8.81	63	854999	24.47 ug/L	100
20) Vinyl acetate	8.96	43	594376	36.78 ug/L	100
21) n-Hexane	9.33	86	89710	26.01 ug/L	95
22) 2-Butanone (MEK)	9.35	72	27714	29.75 ug/L #	1
23) Diisopropylether (DIPE)	9.36	45	1560005	24.45 ug/L	98
24) cis-1,2-dichloroethene	9.55	96	461057	22.94 ug/L	99
25) Bromochloromethane	9.76	128	164663	23.70 ug/L	98
26) Chloroform	9.82	83	873342	23.33 ug/L	100
27) 2,2-Dichloropropane	9.93	77	714082	23.72 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	1147307	23.69 ug/L	98
30) 1,2-Dichloroethane	10.66	62	551923	23.58 ug/L	100
31) 1,1,1-Trichloroethane	10.80	97	768193	23.44 ug/L	99
32) (TAME) tert-Amyl methy eth	11.51	73	814111	24.07 ug/L	100
34) 1,1-Dichloropropene	11.03	75	635340	24.14 ug/L	99
35) Carbon tetrachloride	11.27	117	658743	23.65 ug/L	99
36) Benzene	11.32	78	1541707	23.24 ug/L	100
37) Dibromomethane	12.05	93	226718	23.23 ug/L	100
38) 1,2-Dichloropropane	12.10	63	374921	22.43 ug/L	98
39) Trichloroethene	12.15	95	458419	22.28 ug/L	97
40) Bromodichloromethane	12.21	83	575865	22.16 ug/L	98

(#) = qualifier out of range (m) = manual integration
03141122.D 031411.M Tue Mar 15 14:37:52 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:37 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

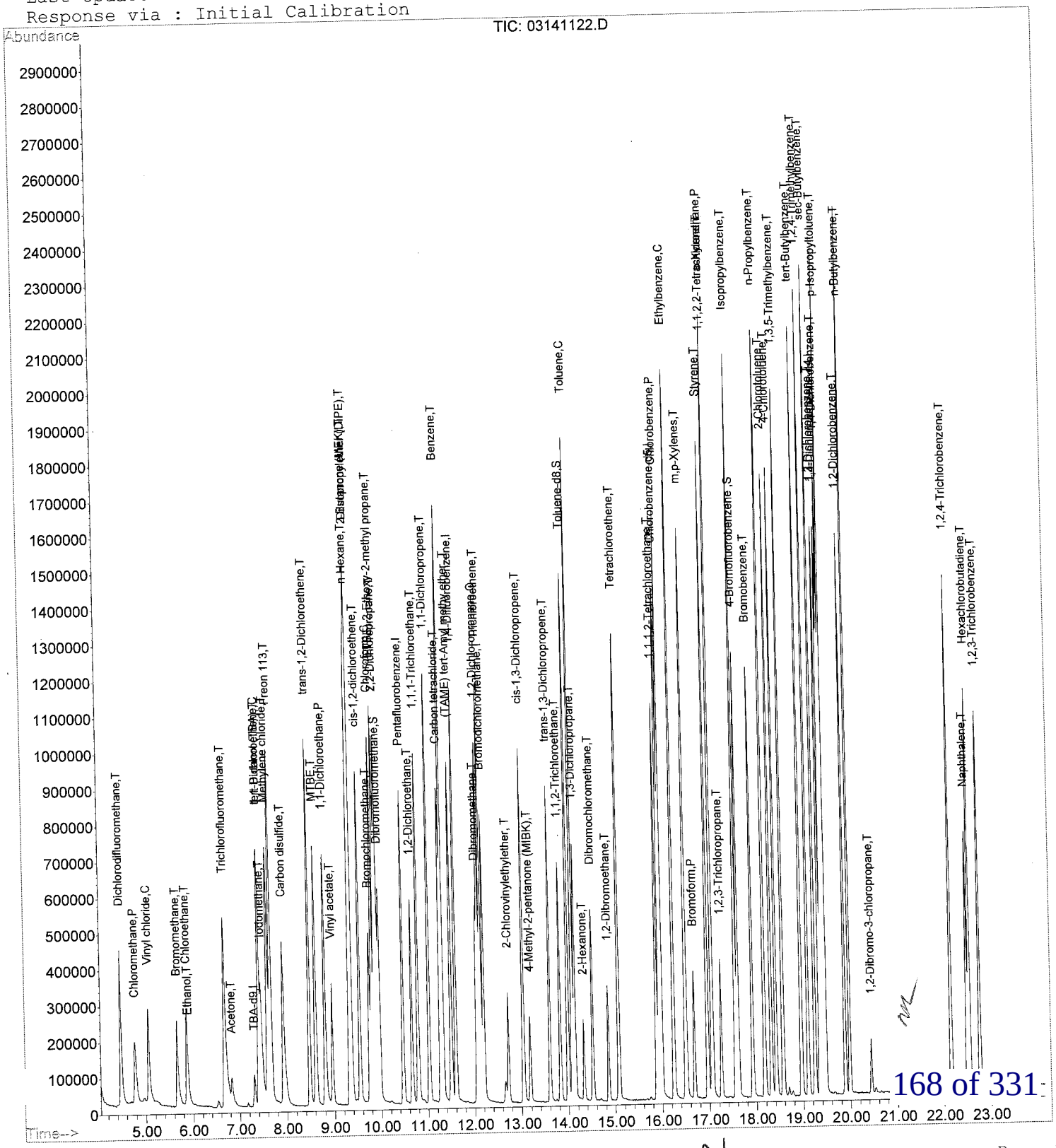
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	132304	24.18 ug/L	98
42) cis-1,3-Dichloropropene	13.04	75	587320	23.10 ug/L	99
43) 4-Methyl-2-pentanone (MIBK	13.18	43	211506	25.62 ug/L	97
44) trans-1,3-Dichloropropene	13.61	75	513196	24.53 ug/L	99
45) 1,1,2-Trichloroethane	13.83	97	252639	22.79 ug/L	98
47) Toluene	14.09	92	921737	22.86 ug/L	100
49) 1,3-Dichloropropane	14.15	76	426003	22.73 ug/L	98
50) 2-Hexanone	14.33	43	190481	32.36 ug/L	99
51) Dibromochloromethane	14.52	129	344977	23.25 ug/L	98
52) 1,2-Dibromoethane	14.86	107	262260	23.20 ug/L	100
53) Tetrachloroethene	15.08	164	397258	23.75 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.88	131	376400	21.98 ug/L	99
55) Chlorobenzene	15.99	112	1020483	23.18 ug/L	99
56) Ethylbenzene	16.25	91	1815661	23.05 ug/L	99
57) m,p-Xylenes	16.51	106	640911	23.10 ug/L	97
58) Styrene	16.96	104	1026074	24.34 ug/L	99
59) o-Xylene	17.07	106	606537	24.78 ug/L	95
62) Bromoform	16.69	173	208945	24.19 ug/L	97
63) 1,1,2,2-Tetrachloroethane	17.05	83	238281	25.47 ug/L	100
64) 1,2,3-Trichloropropane	17.25	110	70538	25.98 ug/L	96
65) Isopropylbenzene	17.56	105	1742791	28.02 ug/L	100
66) Bromobenzene	17.93	156	426879	24.82 ug/L	99
67) n-Propylbenzene	18.17	91	2149723	26.67 ug/L	99
68) 2-Chlorotoluene	18.32	91	1267135	24.91 ug/L	99
69) 4-Chlorotoluene	18.42	91	1309905	25.34 ug/L	100
70) 1,3,5-Trimethylbenzene	18.58	105	1413798	25.34 ug/L	98
71) tert-Butylbenzene	18.96	119	1165627	25.69 ug/L	99
72) 1,2,4-Trimethylbenzene	19.11	105	1465752	26.22 ug/L	99
73) sec-Butylbenzene	19.25	105	1860992	26.03 ug/L	100
74) 1,3-Dichlorobenzene	19.36	146	747624	24.26 ug/L	100
75) 1,4-Dichlorobenzene	19.45	146	767403	24.90 ug/L	99
76) p-Isopropyltoluene	19.48	119	1484315	25.73 ug/L	99
77) 1,2-Dichlorobenzene	19.88	146	671058	24.89 ug/L	100
78) n-Butylbenzene	19.99	91	1506477	26.01 ug/L	100
79) 1,2-Dibromo-3-chloropropan	20.45	75	38751	22.87 ug/L	96
80) 1,2,4-Trichlorobenzene	22.15	180	596391	27.26 ug/L	100
81) Naphthalene	22.50	128	706561	27.72 ug/L	98
82) Hexachlorobutadiene	22.55	225	321549	27.85 ug/L	99
83) 1,2,3-Trichlorobenzene	22.77	180	474453	27.05 ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:37 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



03141122.D 031411.M Tue Mar 15 14:37:54 2011

8260 Continuing Calibration (CCV) Report

(ICV)

Sample Name BS/ICV
Data File Name 03141122.D
Operator NL
Date Acquired 3/14/2011 6:01
Acq. Method File 8260B

Internal Standards	Calib. Response	CCV Response	Low	High	P/F
TBA-d9	125792	124354	62177	248708	TRUE
Pentafluorobenzene	699455	706016	353008	1412032	TRUE
1,4-Difluorobenzene	1014981	1059053	529527	2118106	TRUE
Chlorobenzene-d5	936018	958616	479308	1917232	TRUE
1,4-Dichlorobenzene-d4	492554	484312	242156	968624	TRUE

Compound	Amount	Spiked Amount	% Recovery	Low	High	P/F
Ethanol	574.16	250	229.66	80	140	FALSE
tert-Butanol (TBA)	169.11	125	135.29	80	120	FALSE
Dichlorodifluoromethane	22.15	25	88.59	60	150	TRUE
Chloromethane	22.05	25	88.21	60	140	TRUE
Vinyl chloride	25.13	25	100.52	80	120	TRUE
Bromomethane	21.51	25	86.04	70	140	TRUE
Chloroethane	24.80	25	99.21	70	130	TRUE
Trichlorofluoromethane	27.89	25	111.58	70	150	TRUE
Acetone	35.28	25	141.11	10	150	TRUE
Iodomethane	30.25	25	120.99	70	140	TRUE
1,1-Dichloroethene	25.32	25	101.29	80	120	TRUE
Methylene chloride	23.28	25	93.11	70	120	TRUE
Freon 113	25.12	25	100.47	60	140	TRUE
Carbon disulfide	24.34	25	97.38	70	130	TRUE
trans-1,2-Dichloroethene	24.13	25	96.52	80	120	TRUE
MTBE	23.70	25	94.81	70	130	TRUE
1,1-Dichloroethane	24.47	25	97.90	70	125	TRUE
Vinyl acetate	36.78	25	147.12	40	150	TRUE
n-Hexane	26.01	25	104.05	70	130	TRUE
2-Butanone (MEK)	29.75	25	119.00	40	150	TRUE
Diisopropylether (DIPE)	24.45	25	97.82	80	130	TRUE
cis-1,2-dichloroethene	22.94	25	91.76	80	120	TRUE
Bromochloromethane	23.70	25	94.80	80	120	TRUE
Chloroform	23.33	25	93.31	80	120	TRUE
2,2-Dichloropropane	23.72	25	94.89	80	130	TRUE
:TBE) 2-Ethoxy-2-methyl propa	23.69	25	94.75	80	130	TRUE
Dibromofluoromethane	24.67	25	98.67	80	120	TRUE
1,2-Dichloroethane	23.58	25	94.33	75	130	TRUE
1,1,1-Trichloroethane	23.44	25	93.78	80	120	TRUE
(TAME) tert-Amyl methy ether	24.07	25	96.28	80	130	TRUE
1,1-Dichloropropene	24.14	25	96.57	80	120	TRUE
Carbon tetrachloride	23.65	25	94.60	80	130	TRUE
Benzene	23.24	25	92.96	80	120	TRUE

Dibromomethane	23.23	25	92.92	80	120	TRUE
1,2-Dichloropropane	22.43	25	89.71	80	120	TRUE
Trichloroethene	22.28	25	89.12	80	120	TRUE
Bromodichloromethane	22.16	25	88.63	80	120	TRUE
2-Chlorovinylethylether	24.18	25	96.72	70	135	TRUE
cis-1,3-Dichloropropene	23.10	25	92.39	80	120	TRUE
4-Methyl-2-pentanone (MIBK)	25.62	25	102.49	60	130	TRUE
trans-1,3-Dichloropropene	24.53	25	98.13	80	125	TRUE
1,1,2-Trichloroethane	22.79	25	91.16	80	120	TRUE
Toluene-d8	24.93	25	99.70	80	120	TRUE
Toluene	22.86	25	91.45	80	120	TRUE
1,3-Dichloropropane	22.73	25	90.90	80	120	TRUE
2-Hexanone	32.36	25	129.46	20	150	TRUE
Dibromochloromethane	23.25	25	93.01	80	120	TRUE
1,2-Dibromoethane	23.20	25	92.78	80	120	TRUE
Tetrachloroethene	23.75	25	95.01	70	130	TRUE
1,1,1,2-Tetrachloroethane	21.98	25	87.92	80	120	TRUE
Chlorobenzene	23.18	25	92.72	80	120	TRUE
Ethylbenzene	23.05	25	92.20	80	120	TRUE
m,p-Xylenes	23.10	25	92.38	60	140	TRUE
Styrene	24.34	25	97.36	80	120	TRUE
o-Xylene	24.78	25	99.14	80	120	TRUE
4-Bromofluorobenzene	23.94	25	95.77	80	120	TRUE
Bromoform	24.19	25	96.76	80	120	TRUE
1,1,2,2-Tetrachloroethane	25.47	25	101.87	80	120	TRUE
1,2,3-Trichloropropane	25.98	25	103.90	70	130	TRUE
Isopropylbenzene	28.02	25	112.07	80	130	TRUE
Bromobenzene	24.82	25	99.26	80	120	TRUE
n-Propylbenzene	26.67	25	106.69	75	130	TRUE
2-Chlorotoluene	24.91	25	99.64	80	120	TRUE
4-Chlorotoluene	25.34	25	101.35	80	120	TRUE
1,3,5-Trimethylbenzene	25.34	25	101.38	80	130	TRUE
tert-Butylbenzene	25.69	25	102.75	80	120	TRUE
1,2,4-Trimethylbenzene	26.22	25	104.88	80	120	TRUE
sec-Butylbenzene	26.03	25	104.13	80	125	TRUE
1,3-Dichlorobenzene	24.26	25	97.03	80	120	TRUE
1,4-Dichlorobenzene	24.90	25	99.58	80	120	TRUE
p-Isopropyltoluene	25.73	25	102.93	80	130	TRUE
1,2-Dichlorobenzene	24.89	25	99.55	80	120	TRUE
n-Butylbenzene	26.01	25	104.03	80	130	TRUE
1,2-Dibromo-3-chloropropane	22.87	25	91.46	50	150	TRUE
1,2,4-Trichlorobenzene	27.26	25	109.05	50	150	TRUE
Naphthalene	27.72	25	110.86	40	150	TRUE
Hexachlorobutadiene	27.85	25	111.42	40	150	TRUE
1,2,3-Trichlorobenzene	27.05	25	108.22	60	140	TRUE

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141123.D Vial: 3
Acq On : 14 Mar 2011 6:34 pm Operator: NL
Sample : 11C0531-BSD1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:39 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	122519	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	716055	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.61	114	1035502	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	945230	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.40	152	491469	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	400434	24.39 ug/L	0.01
Spiked Amount 25.000			Recovery =	97.56%	
46) Toluene-d8	13.99	98	1137305	24.90 ug/L	0.00
Spiked Amount 25.000			Recovery =	99.60%	
60) 4-Bromofluorobenzene	17.62	95	501814	24.07 ug/L	0.00
Spiked Amount 25.000			Recovery =	96.28%	

Target Compounds					Qvalue
2) Ethanol	5.90	45	29786	609.93 ug/L	95
3) tert-Butanol (TBA)	7.42	59	117010	188.83 ug/L #	95
5) Dichlorodifluoromethane	4.48	85	548939	20.93 ug/L	99
6) Chloromethane	4.78	50	320742	21.55 ug/L	98
7) Vinyl chloride	5.07	62	380586	23.91 ug/L	99
8) Bromomethane	5.67	94	283111	22.02 ug/L	93
9) Chloroethane	5.87	64	325728	24.01 ug/L	98
10) Trichlorofluoromethane	6.68	101	887711	27.17 ug/L	98
11) Acetone	6.83	43	137586	38.78 ug/L	99
12) Iodomethane	7.46	142	442876	27.92 ug/L	93
13) 1,1-Dichloroethene	7.41	96	412941	24.61 ug/L	97
14) Methylene chloride	7.60	84	443453	22.44 ug/L	99
15) Freon 113	7.67	101	498908	23.74 ug/L	99
16) Carbon disulfide	7.93	76	1090421	23.38 ug/L	98
17) trans-1,2-Dichloroethene	8.48	96	430972	22.67 ug/L	97
18) MTBE	8.62	73	819725	24.01 ug/L	100
19) 1,1-Dichloroethane	8.81	63	814792	23.00 ug/L	100
20) Vinyl acetate	8.96	43	590954	36.06 ug/L	99
21) n-Hexane	9.33	86	90057	25.75 ug/L	97
22) 2-Butanone (MEK)	9.35	72	29349	31.06 ug/L #	12
23) Diisopropylether (DIPE)	9.36	45	1560222	24.12 ug/L	98
24) cis-1,2-dichloroethene	9.55	96	452212	22.18 ug/L	99
25) Bromochloromethane	9.76	128	167099	23.71 ug/L	97
26) Chloroform	9.82	83	868791	22.88 ug/L	99
27) 2,2-Dichloropropane	9.93	77	705418	23.11 ug/L	99
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	1181303	24.05 ug/L	99
30) 1,2-Dichloroethane	10.66	62	567347	23.90 ug/L	100
31) 1,1,1-Trichloroethane	10.80	97	755466	22.73 ug/L	99
32) (TAME) tert-Amyl methy eth	11.51	73	835724	24.36 ug/L	99
34) 1,1-Dichloropropene	11.03	75	617828	24.01 ug/L	99
35) Carbon tetrachloride	11.28	117	647967	23.79 ug/L	99
36) Benzene	11.32	78	1489520	22.97 ug/L	100
37) Dibromomethane	12.05	93	238631	25.01 ug/L	99
38) 1,2-Dichloropropane	12.10	63	382956	23.43 ug/L	97
39) Trichloroethene	12.15	95	448942	22.32 ug/L	97
40) Bromodichloromethane	12.21	83	584784	23.01 ug/L	98

(#) = qualifier out of range (m) = manual integration
03141123.D 031411.M Tue Mar 15 14:39:39 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141123.D Vial: 3
Acq On : 14 Mar 2011 6:34 pm Operator: NL
Sample : 11C0531-BSD1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:39 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

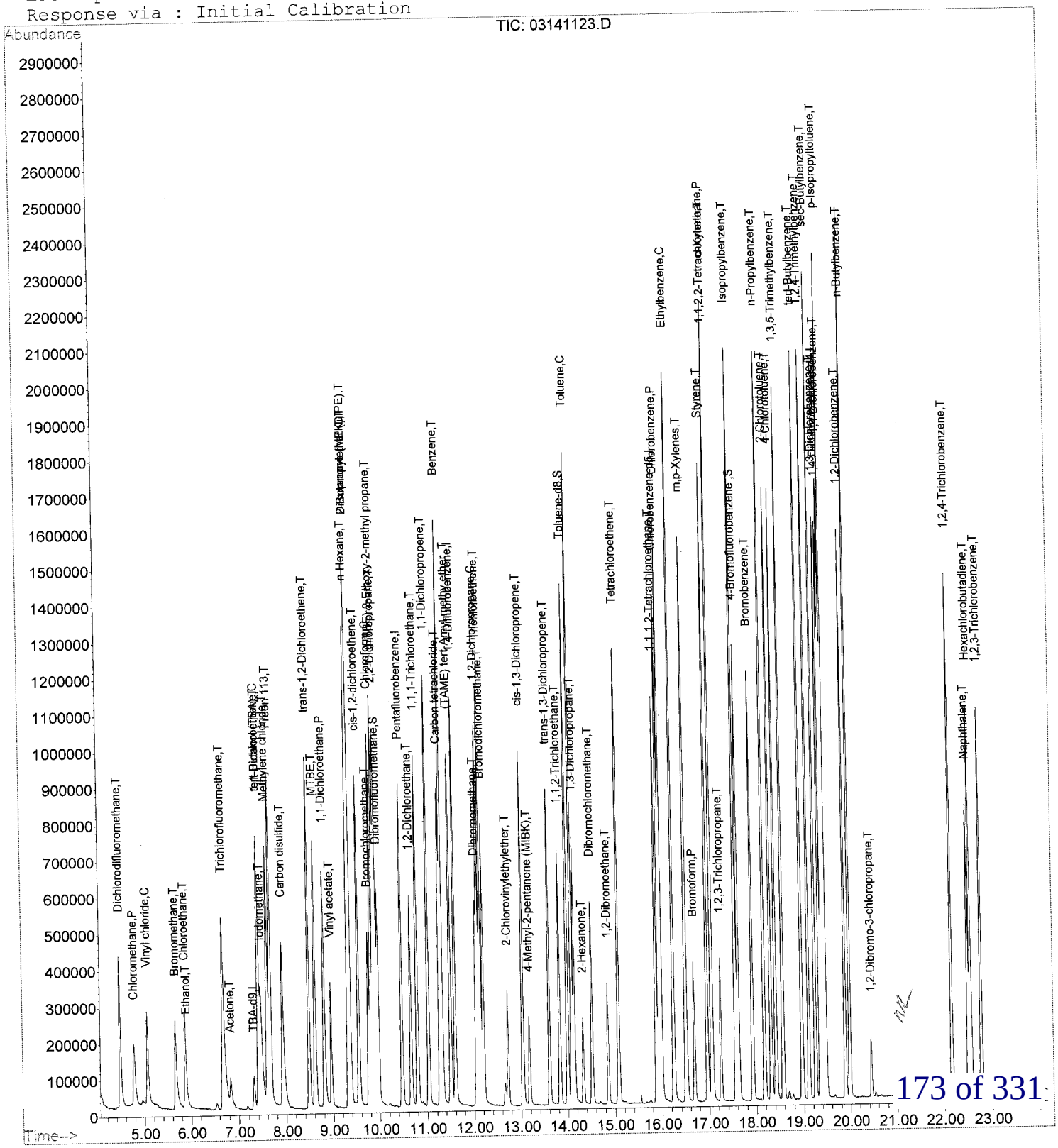
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	141511	26.45 ug/L	97
42) cis-1,3-Dichloropropene	13.04	75	584974	23.53 ug/L	100
43) 4-Methyl-2-pentanone (MIBK	13.18	43	219465	27.19 ug/L	97
44) trans-1,3-Dichloropropene	13.61	75	518165	25.33 ug/L	99
45) 1,1,2-Trichloroethane	13.83	97	261565	24.13 ug/L	97
47) Toluene	14.09	92	890264	22.59 ug/L	99
49) 1,3-Dichloropropane	14.15	76	440284	23.82 ug/L	98
50) 2-Hexanone	14.33	43	198465	34.20 ug/L	99
51) Dibromochloromethane	14.52	129	353178	24.14 ug/L	99
52) 1,2-Dibromoethane	14.86	107	269320	24.16 ug/L	97
53) Tetrachloroethene	15.08	164	381206	23.12 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.88	131	377139	22.34 ug/L	100
55) Chlorobenzene	15.99	112	993497	22.89 ug/L	100
56) Ethylbenzene	16.25	91	1814035	23.36 ug/L	98
57) m,p-Xylenes	16.51	106	626245	22.89 ug/L	98
58) Styrene	16.96	104	1003091	24.13 ug/L	99
59) o-Xylene	17.07	106	592659	24.55 ug/L	97
62) Bromoform	16.69	173	220670	25.18 ug/L	99
63) 1,1,2,2-Tetrachloroethane	17.05	83	253085	26.65 ug/L	98
64) 1,2,3-Trichloropropane	17.25	110	71136	25.81 ug/L	98
65) Isopropylbenzene	17.56	105	1703151	26.98 ug/L	99
66) Bromobenzene	17.93	156	435732	24.96 ug/L	99
67) n-Propylbenzene	18.17	91	2065724	25.26 ug/L	98
68) 2-Chlorotoluene	18.31	91	1233214	23.89 ug/L	100
69) 4-Chlorotoluene	18.42	91	1271429	24.23 ug/L	99
70) 1,3,5-Trimethylbenzene	18.58	105	1393996	24.63 ug/L	99
71) tert-Butylbenzene	18.96	119	1117527	24.27 ug/L	99
72) 1,2,4-Trimethylbenzene	19.11	105	1388964	24.49 ug/L	100
73) sec-Butylbenzene	19.25	105	1822944	25.13 ug/L	100
74) 1,3-Dichlorobenzene	19.36	146	755608	24.16 ug/L	100
75) 1,4-Dichlorobenzene	19.45	146	759066	24.27 ug/L	99
76) p-Isopropyltoluene	19.48	119	1454921	24.85 ug/L	99
77) 1,2-Dichlorobenzene	19.88	146	667538	24.40 ug/L	100
78) n-Butylbenzene	19.99	91	1483851	25.24 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.45	75	42019	24.43 ug/L	100
80) 1,2,4-Trichlorobenzene	22.15	180	600053	27.03 ug/L	99
81) Naphthalene	22.50	128	761736	29.45 ug/L	99
82) Hexachlorobutadiene	22.55	225	307231	26.23 ug/L	100
83) 1,2,3-Trichlorobenzene	22.77	180	481883	27.08 ug/L	100

(#) = qualifier out of range (m) = manual integration
03141123.D 031411.M Tue Mar 15 14:39:40 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141123.D Vial: 3
Acq On : 14 Mar 2011 6:34 pm Operator: NL
Sample : 11C0531-BSD1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:39 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



03141123.D 031411.M Tue Mar 15 14:39:41 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141124.D Vial: 4
Acq On : 14 Mar 2011 7:06 pm Operator: NL
Sample : 11C0531-MS1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:40 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	124186	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	702091	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1016569	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	892358	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	477039	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	396188	24.61 ug/L	0.00
Spiked Amount 25.000			Recovery =	98.44%	
46) Toluene-d8	13.99	98	1102821	24.60 ug/L	0.00
Spiked Amount 25.000			Recovery =	98.40%	
60) 4-Bromofluorobenzene	17.62	95	484666	24.62 ug/L	0.00
Spiked Amount 25.000			Recovery =	98.48%	

Target Compounds					Qvalue
2) Ethanol	5.91	45	25569	516.55 ug/L	100
3) tert-Butanol (TBA)	7.41	59	103790	164.62 ug/L #	96
5) Dichlorodifluoromethane	4.48	85	507607	19.73 ug/L	100
6) Chloromethane	4.78	50	302367	20.72 ug/L	99
7) Vinyl chloride	5.07	62	369572	23.68 ug/L	99
8) Bromomethane	5.67	94	252189	20.14 ug/L	91
9) Chloroethane	5.87	64	300984	22.63 ug/L	99
10) Trichlorofluoromethane	6.68	101	847623	26.46 ug/L	99
11) Acetone	6.84	43	70843	20.36 ug/L	97
12) Iodomethane	7.47	142	359074	23.40 ug/L	93
13) 1,1-Dichloroethene	7.41	96	389635	23.69 ug/L	97
14) Methylene chloride	7.60	84	406025	20.95 ug/L	99
15) Freon 113	7.67	101	489883	23.77 ug/L	99
16) Carbon disulfide	7.93	76	1050701	22.97 ug/L	100
17) trans-1,2-Dichloroethene	8.49	96	421706	22.62 ug/L	99
18) MTBE	8.62	73	727172	21.72 ug/L	99
19) 1,1-Dichloroethane	8.81	63	751632	21.64 ug/L	100
20) Vinyl acetate	8.96	43	587971	36.59 ug/L	100
21) n-Hexane	9.33	86	86033	25.09 ug/L	98
22) 2-Butanone (MEK)	9.35	72	20099	21.70 ug/L #	1
23) Diisopropylether (DIPE)	9.36	45	1377180	21.71 ug/L	98
24) cis-1,2-dichloroethene	9.55	96	425700	21.30 ug/L	98
25) Bromochloromethane	9.76	128	148240	21.46 ug/L	95
26) Chloroform	9.82	83	807756	21.70 ug/L	98
27) 2,2-Dichloropropane	9.92	77	668308	22.33 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	1034573	21.48 ug/L	99
30) 1,2-Dichloroethane	10.66	62	495166	21.27 ug/L	99
31) 1,1,1-Trichloroethane	10.80	97	731077	22.44 ug/L	99
32) (TAME) tert-Amyl methy eth	11.51	73	731851	21.76 ug/L	99
34) 1,1-Dichloropropene	11.03	75	582146	23.05 ug/L	99
35) Carbon tetrachloride	11.27	117	618362	23.13 ug/L	100
36) Benzene	11.32	78	1373421	21.57 ug/L	100
37) Dibromomethane	12.05	93	209184	22.33 ug/L	100
38) 1,2-Dichloropropane	12.10	63	347627	21.66 ug/L	97
39) Trichloroethene	12.15	95	453332	22.95 ug/L	98
40) Bromodichloromethane	12.21	83	533131	21.37 ug/L	98

(#) = qualifier out of range (m) = manual integration
03141124.D 031411.M Tue Mar 15 14:40:51 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141124.D Vial: 4
Acq On : 14 Mar 2011 7:06 pm Operator: NL
Sample : 11C0531-MS1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:40 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

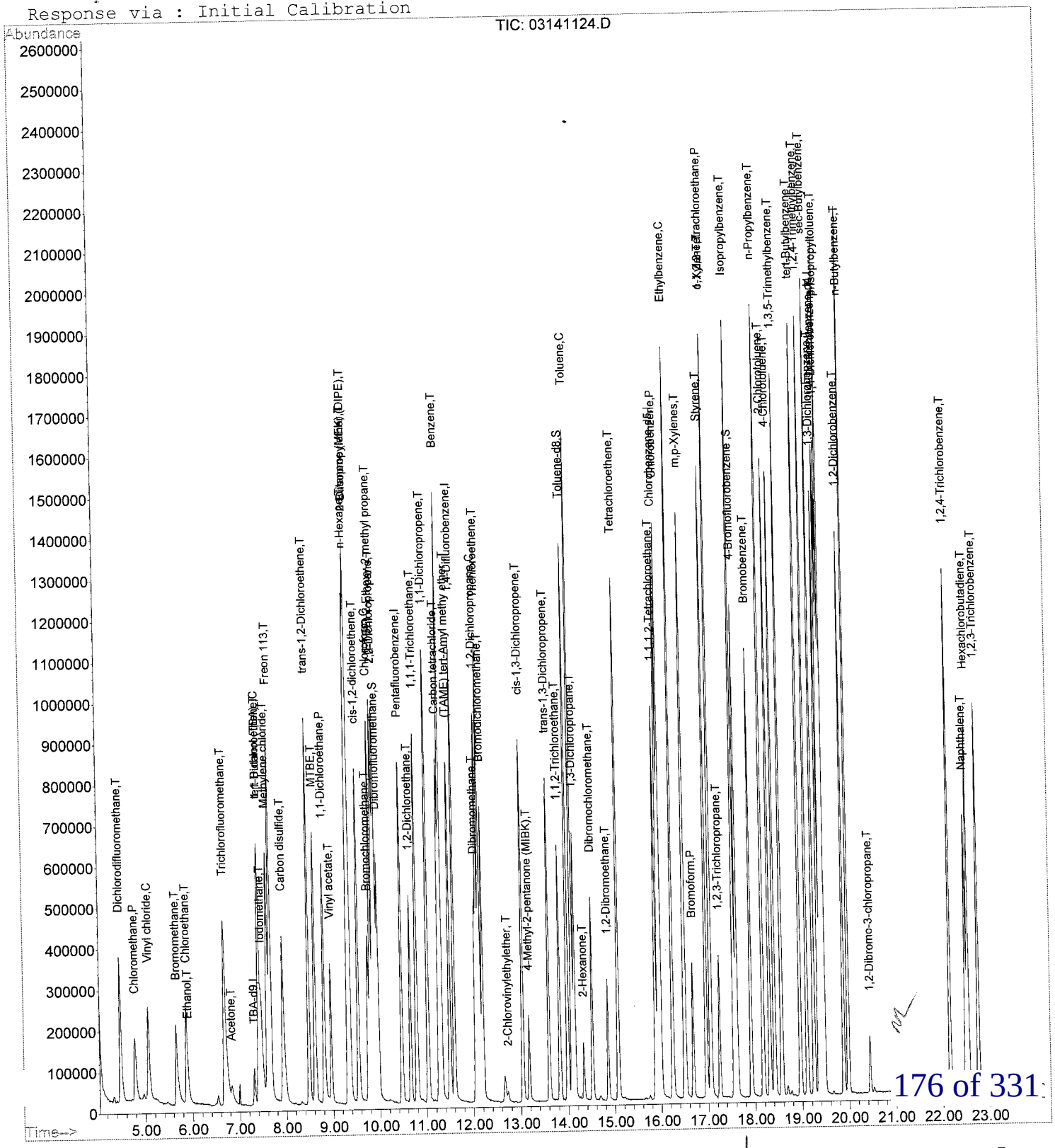
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	12171	2.32 ug/L #	90
42) cis-1,3-Dichloropropene	13.04	75	542106	22.21 ug/L	100
43) 4-Methyl-2-pentanone (MIBK	13.18	43	185050	23.35 ug/L	98
44) trans-1,3-Dichloropropene	13.61	75	469504	23.38 ug/L	100
45) 1,1,2-Trichloroethane	13.83	97	228583	21.48 ug/L	98
47) Toluene	14.09	92	830430	21.46 ug/L	99
49) 1,3-Dichloropropane	14.15	76	388437	22.26 ug/L	98
50) 2-Hexanone	14.33	43	127330	23.24 ug/L	99
51) Dibromochloromethane	14.52	129	311569	22.56 ug/L	99
52) 1,2-Dibromoethane	14.86	107	236060	22.43 ug/L	98
53) Tetrachloroethene	15.08	164	386466	24.82 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.89	131	330245	20.72 ug/L	99
55) Chlorobenzene	16.00	112	904272	22.07 ug/L	99
56) Ethylbenzene	16.25	91	1622207	22.12 ug/L	99
57) m,p-Xylenes	16.51	106	581140	22.50 ug/L	99
58) Styrene	16.97	104	901365	22.97 ug/L	99
59) o-Xylene	17.07	106	527526	23.12 ug/L	98
62) Bromoform	16.69	173	190490	22.39 ug/L	99
63) 1,1,2,2-Tetrachloroethane	17.05	83	217810	23.63 ug/L	99
64) 1,2,3-Trichloropropane	17.25	110	61726	23.08 ug/L	99
65) Isopropylbenzene	17.57	105	1568685	25.60 ug/L	99
66) Bromobenzene	17.92	156	385105	22.73 ug/L	98
67) n-Propylbenzene	18.17	91	1913892	24.11 ug/L	99
68) 2-Chlorotoluene	18.32	91	1114283	22.24 ug/L	100
69) 4-Chlorotoluene	18.43	91	1170145	22.98 ug/L	99
70) 1,3,5-Trimethylbenzene	18.57	105	1274069	23.19 ug/L	99
71) tert-Butylbenzene	18.97	119	1041030	23.29 ug/L	99
72) 1,2,4-Trimethylbenzene	19.11	105	1293805	23.50 ug/L	99
73) sec-Butylbenzene	19.25	105	1627174	23.11 ug/L	100
74) 1,3-Dichlorobenzene	19.35	146	667614	21.99 ug/L	99
75) 1,4-Dichlorobenzene	19.44	146	688339	22.67 ug/L	98
76) p-Isopropyltoluene	19.48	119	1346563	23.70 ug/L	99
77) 1,2-Dichlorobenzene	19.89	146	595354	22.42 ug/L	99
78) n-Butylbenzene	19.99	91	1344617	23.57 ug/L	100
79) 1,2-Dibromo-3-chloropropan	20.45	75	35737	21.41 ug/L	96
80) 1,2,4-Trichlorobenzene	22.16	180	528141	24.51 ug/L	99
81) Naphthalene	22.49	128	661494	26.34 ug/L	99
82) Hexachlorobutadiene	22.55	225	269034	23.66 ug/L	99
83) 1,2,3-Trichlorobenzene	22.76	180	420559	24.35 ug/L	98

(#) = qualifier out of range (m) = manual integration
03141124.D 031411.M Tue Mar 15 14:40:51 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141124.D Vial: 4
Acq On : 14 Mar 2011 7:06 pm Operator: NL
Sample : 11C0531-MS1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:40 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



03141124.D 031411.M Tue Mar 15 14:40:52 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141125.D Vial: 5
Acq On : 14 Mar 2011 7:38 pm Operator: NL
Sample : 11C0531-MSD1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:41 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	103185	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	705736	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1022178	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	925798	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	463527	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	376472	23.27 ug/L	0.00
Spiked Amount 25.000			Recovery =	93.08%	
46) Toluene-d8	13.99	98	1131171	25.09 ug/L	0.00
Spiked Amount 25.000			Recovery =	100.36%	
60) 4-Bromofluorobenzene	17.63	95	490746	24.03 ug/L	0.00
Spiked Amount 25.000			Recovery =	96.12%	

Target Compounds					Qvalue
2) Ethanol	5.91	45	14091	342.61 ug/L	87
3) tert-Butanol (TBA)	7.42	59	50985	95.29 ug/L #	94
5) Dichlorodifluoromethane	4.49	85	497963	19.26 ug/L	99
6) Chloromethane	4.78	50	302447	20.62 ug/L	99
7) Vinyl chloride	5.08	62	384875	24.54 ug/L	98
8) Bromomethane	5.67	94	231423	18.51 ug/L	90
9) Chloroethane	5.88	64	310055	23.19 ug/L	99
10) Trichlorofluoromethane	6.69	101	847881	26.33 ug/L	98
11) Acetone	6.84	43	53761	15.37 ug/L	98
12) Iodomethane	7.47	142	315829	20.70 ug/L	95
13) 1,1-Dichloroethene	7.42	96	398832	24.12 ug/L	97
14) Methylene chloride	7.61	84	408042	20.95 ug/L	99
15) Freon 113	7.67	101	489682	23.64 ug/L	99
16) Carbon disulfide	7.94	76	1062509	23.11 ug/L	99
17) trans-1,2-Dichloroethene	8.50	96	424195	22.64 ug/L	98
18) MTBE	8.62	73	676880	20.11 ug/L	100
19) 1,1-Dichloroethane	8.82	63	795368	22.78 ug/L	100
20) Vinyl acetate	8.96	43	520045	32.19 ug/L	99
21) n-Hexane	9.33	86	82749	24.00 ug/L	92
22) 2-Butanone (MEK)	9.36	72	18653	20.03 ug/L #	80
23) Diisopropylether (DIPE)	9.36	45	1403562	22.01 ug/L	98
24) cis-1,2-dichloroethene	9.55	96	438818	21.84 ug/L	99
25) Bromochloromethane	9.76	128	136948	19.72 ug/L	94
26) Chloroform	9.82	83	844152	22.56 ug/L	98
27) 2,2-Dichloropropane	9.93	77	645415	21.45 ug/L	96
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	1016381	20.99 ug/L	99
30) 1,2-Dichloroethane	10.66	62	494580	21.14 ug/L	99
31) 1,1,1-Trichloroethane	10.80	97	745215	22.75 ug/L	99
32) (TAME) tert-Amyl methy eth	11.51	73	714284	21.13 ug/L	100
34) 1,1-Dichloropropene	11.04	75	596699	23.49 ug/L	99
35) Carbon tetrachloride	11.27	117	624819	23.24 ug/L	100
36) Benzene	11.32	78	1431686	22.36 ug/L	99
37) Dibromomethane	12.06	93	200633	21.30 ug/L	100
38) 1,2-Dichloropropane	12.10	63	358421	22.21 ug/L	97
39) Trichloroethene	12.15	95	460666	23.20 ug/L	99
40) Bromodichloromethane	12.21	83	528246	21.06 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141125.D 031411.M Tue Mar 15 14:41:17 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141125.D Vial: 5
Acq On : 14 Mar 2011 7:38 pm Operator: NL
Sample : 11C0531-MSD1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:41 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

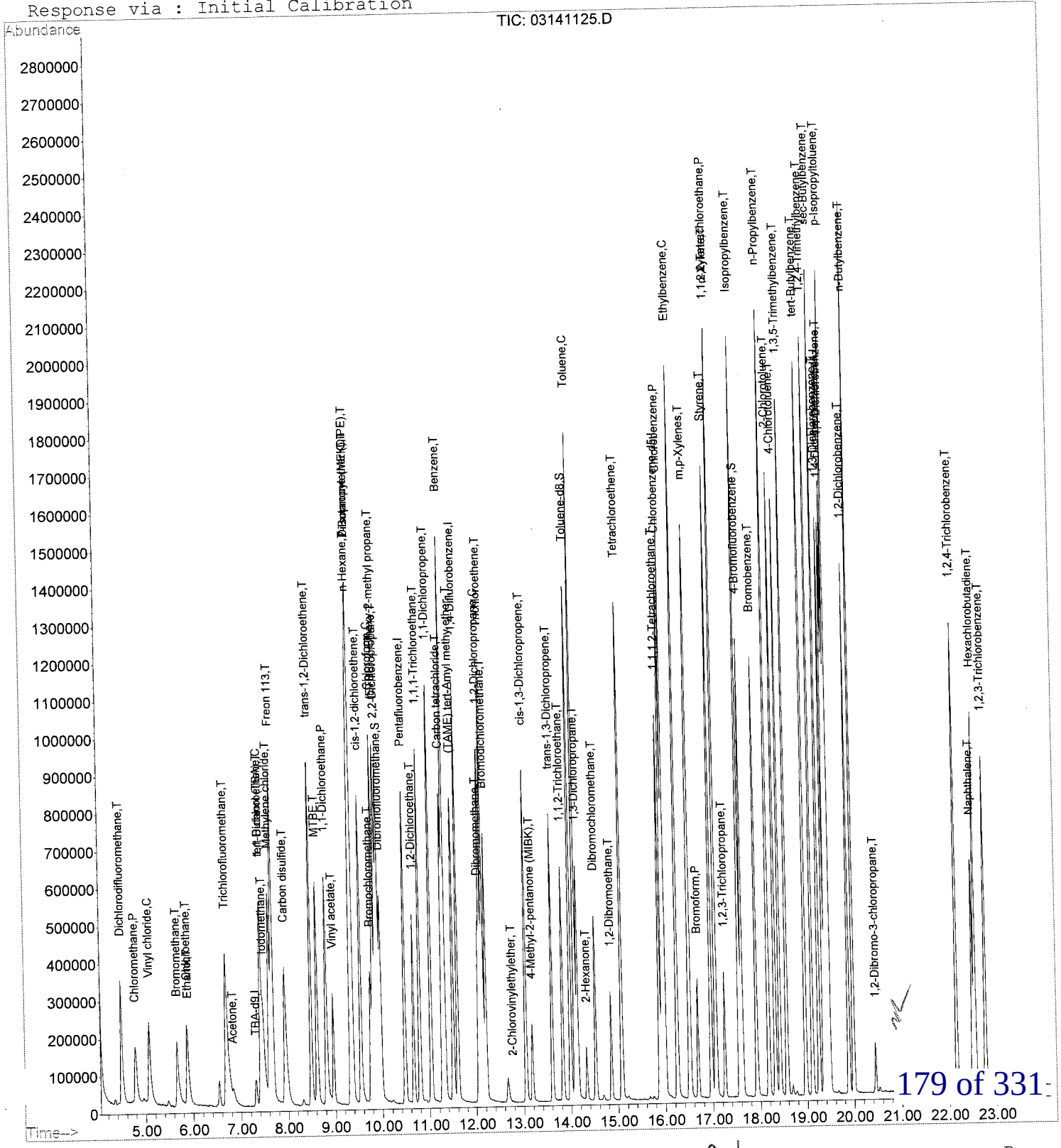
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.77	63	1681	0.32 ug/L #	73
42) cis-1,3-Dichloropropene	13.04	75	540922	22.04 ug/L	99
43) 4-Methyl-2-pentanone (MIBK	13.18	43	187080	23.48 ug/L	99
44) trans-1,3-Dichloropropene	13.61	75	455888	22.58 ug/L	99
45) 1,1,2-Trichloroethane	13.83	97	228005	21.31 ug/L	98
47) Toluene	14.09	92	890823	22.89 ug/L	99
49) 1,3-Dichloropropane	14.15	76	383700	21.19 ug/L	99
50) 2-Hexanone	14.34	43	123463	21.72 ug/L	98
51) Dibromochloromethane	14.52	129	309026	21.57 ug/L	100
52) 1,2-Dibromoethane	14.86	107	232236	21.27 ug/L	100
53) Tetrachloroethene	15.09	164	402083	24.89 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.89	131	350891	21.22 ug/L	99
55) Chlorobenzene	16.00	112	981407	23.08 ug/L	99
56) Ethylbenzene	16.25	91	1755469	23.08 ug/L	99
57) m,p-Xylenes	16.51	106	622482	23.23 ug/L	99
58) Styrene	16.97	104	971193	23.86 ug/L	99
59) o-Xylene	17.07	106	584097	24.71 ug/L	96
62) Bromoform	16.69	173	189515	22.92 ug/L	98
63) 1,1,2,2-Tetrachloroethane	17.05	83	217139	24.25 ug/L	99
64) 1,2,3-Trichloropropane	17.25	110	59934	23.06 ug/L	98
65) Isopropylbenzene	17.57	105	1715918	28.82 ug/L	100
66) Bromobenzene	17.92	156	417647	25.37 ug/L	98
67) n-Propylbenzene	18.17	91	2062396	26.74 ug/L	99
68) 2-Chlorotoluene	18.32	91	1192266	24.49 ug/L	100
69) 4-Chlorotoluene	18.43	91	1244982	25.16 ug/L	99
70) 1,3,5-Trimethylbenzene	18.58	105	1369195	25.65 ug/L	99
71) tert-Butylbenzene	18.97	119	1099703	25.32 ug/L	99
72) 1,2,4-Trimethylbenzene	19.11	105	1393157	26.04 ug/L	99
73) sec-Butylbenzene	19.25	105	1786284	26.11 ug/L	99
74) 1,3-Dichlorobenzene	19.36	146	708456	24.02 ug/L	100
75) 1,4-Dichlorobenzene	19.44	146	692975	23.49 ug/L	100
76) p-Isopropyltoluene	19.48	119	1412302	25.58 ug/L	99
77) 1,2-Dichlorobenzene	19.89	146	619662	24.01 ug/L	100
78) n-Butylbenzene	19.99	91	1470934	26.53 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.44	75	34526	21.29 ug/L	97
80) 1,2,4-Trichlorobenzene	22.16	180	521799	24.92 ug/L	100
81) Naphthalene	22.50	128	607496	24.90 ug/L	99
82) Hexachlorobutadiene	22.55	225	291234	26.36 ug/L	99
83) 1,2,3-Trichlorobenzene	22.77	180	406497	24.22 ug/L	98

(#) = qualifier out of range (m) = manual integration
03141125.D 031411.M Tue Mar 15 14:41:17 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141125.D Vial: 5
Acq On : 14 Mar 2011 7:38 pm Operator: NL
Sample : 11C0531-MSD1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:41 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



03141125.D 031411.M Tue Mar 15 14:41:19 2011

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141126.D Vial: 6
Acq On : 14 Mar 2011 8:11 pm Operator: NL
Sample : BLK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:41 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

clean out

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	120455	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	693039	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1022080	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	876013	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	503326	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	384904	24.22 ug/L	0.00
Spiked Amount 25.000			Recovery	= 96.88%	
46) Toluene-d8	13.99	98	1091258	24.21 ug/L	0.00
Spiked Amount 25.000			Recovery	= 96.84%	
60) 4-Bromofluorobenzene	17.62	95	505422	26.16 ug/L	0.00
Spiked Amount 25.000			Recovery	= 104.64%	

Target Compounds					Qvalue
2) Ethanol	5.91	45	6761	140.82 ug/L	94
3) tert-Butanol (TBA)	7.43	59	4729	2.98 ug/L #	65
6) Chloromethane	4.79	50	4557	0.32 ug/L	71
8) Bromomethane	5.67	94	1694	0.96 ug/L #	38
11) Acetone	6.85	43	11528	3.36 ug/L #	84
12) Iodomethane	7.49	142	3625	2.01 ug/L #	72
14) Methylene chloride	7.60	84	3236	0.17 ug/L	90
16) Carbon disulfide	7.93	76	17432	0.39 ug/L #	95
17) trans-1,2-Dichloroethene	8.49	96	1922	0.10 ug/L #	83
20) Vinyl acetate	8.99	43	1904	0.12 ug/L #	80
21) n-Hexane	9.33	86	395	0.12 ug/L	80
22) 2-Butanone (MEK)	9.36	72	1258	1.38 ug/L #	1
24) cis-1,2-dichloroethene	9.54	96	2174	0.11 ug/L #	78
25) Bromochloromethane	9.78	128	1065	0.16 ug/L #	83
30) 1,2-Dichloroethane	10.66	62	2173	0.09 ug/L	89
37) Dibromomethane	12.05	93	1967	0.21 ug/L	86
42) cis-1,3-Dichloropropene	13.04	75	2444	0.10 ug/L #	69
43) 4-Methyl-2-pentanone (MIBK	13.18	43	6287	0.79 ug/L	93
44) trans-1,3-Dichloropropene	13.60	75	2975	0.15 ug/L #	76
50) 2-Hexanone	14.33	43	7850	1.46 ug/L #	89
52) 1,2-Dibromoethane	14.86	107	1396	0.14 ug/L	99
55) Chlorobenzene	15.99	112	3670	0.09 ug/L #	29
56) Ethylbenzene	16.25	91	6605	0.09 ug/L	90
58) Styrene	16.96	104	4281	0.11 ug/L #	83
59) o-Xylene	17.06	106	1758	Below Cal #	91
62) Bromoform	16.68	173	1067	0.12 ug/L	100
63) 1,1,2,2-Tetrachloroethane	17.06	83	2903	0.30 ug/L #	86
64) 1,2,3-Trichloropropane	17.25	110	702	0.25 ug/L	96
66) Bromobenzene	17.92	156	2841	0.16 ug/L	86
67) n-Propylbenzene	18.17	91	11879	0.14 ug/L	96
68) 2-Chlorotoluene	18.31	91	6952	0.13 ug/L	99
69) 4-Chlorotoluene	18.42	91	8550	0.16 ug/L	97
70) 1,3,5-Trimethylbenzene	18.57	105	6600	0.11 ug/L	100
71) tert-Butylbenzene	18.96	119	5415	0.11 ug/L	95
72) 1,2,4-Trimethylbenzene	19.11	105	9849	0.17 ug/L	91
73) sec-Butylbenzene	19.25	105	8925	0.12 ug/L	97

(#) = qualifier out of range (m) = manual integration
03141126.D 031411.M Tue Mar 15 14:41:28 2011

M 7/12/11

NK 6/11

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141126.D Vial: 6
Acq On : 14 Mar 2011 8:11 pm Operator: NL
Sample : BLK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:41 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

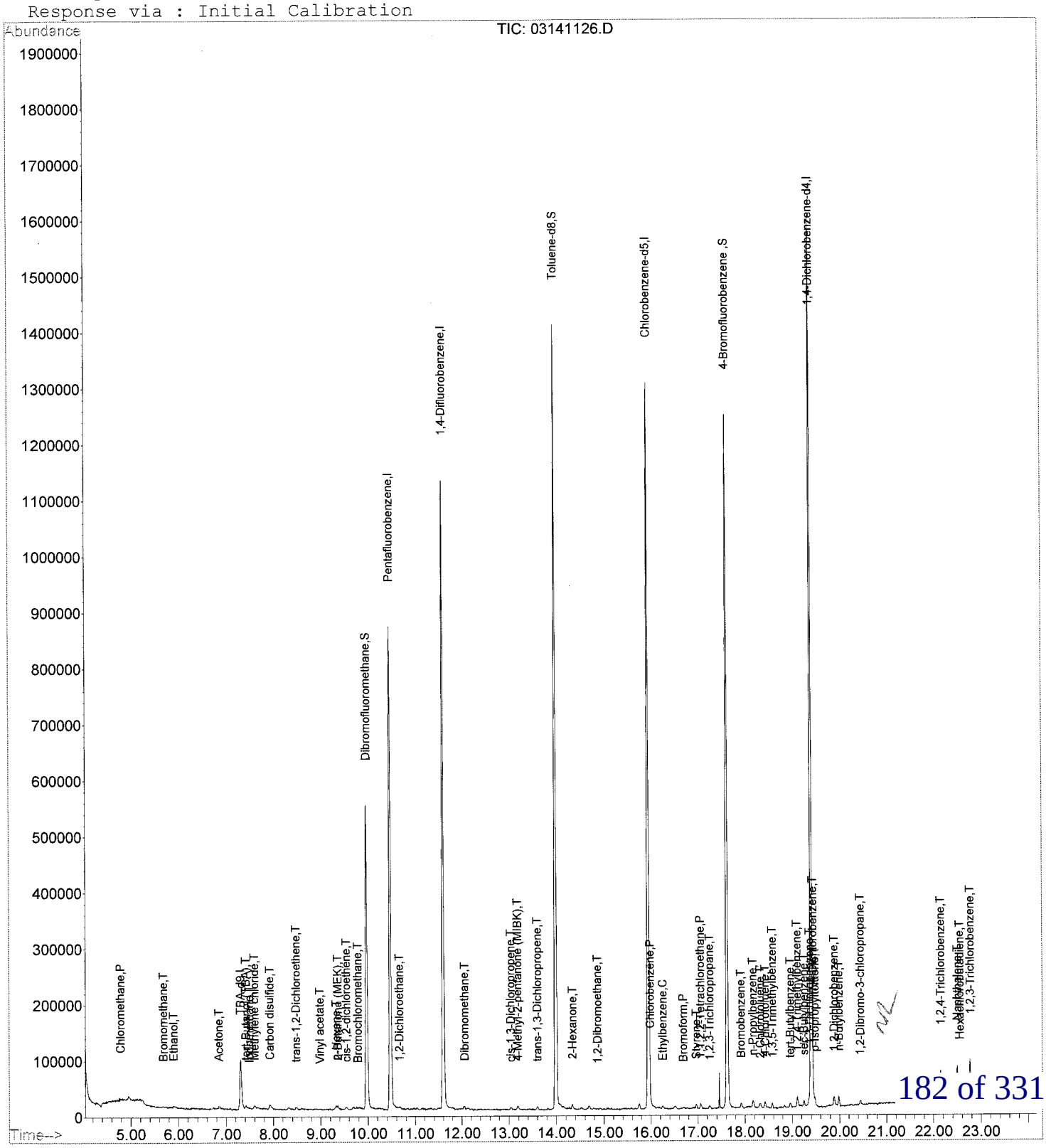
Compound	R.T.	QIon	Response	Conc Unit		Qvalue
74) 1,3-Dichlorobenzene	19.36	146	9590	0.30 ug/L		97
75) 1,4-Dichlorobenzene	19.44	146	8811	0.28 ug/L	#	55
76) p-Isopropyltoluene	19.48	119	8370	0.14 ug/L		95
77) 1,2-Dichlorobenzene	19.89	146	9194	0.33 ug/L		94
78) n-Butylbenzene	19.98	91	14251	0.24 ug/L		96
79) 1,2-Dibromo-3-chloropropan	20.45	75	2801	1.59 ug/L	#	66
80) 1,2,4-Trichlorobenzene	22.15	180	22729	1.00 ug/L		98
81) Naphthalene	22.50	128	57246	2.16 ug/L		100
82) Hexachlorobutadiene	22.55	225	6648	0.55 ug/L	#	75
83) 1,2,3-Trichlorobenzene	22.77	180	30311	1.66 ug/L		98

(#) = qualifier out of range (m) = manual integration
03141126.D 031411.M Tue Mar 15 14:41:28 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141126.D Vial: 6
Acq On : 14 Mar 2011 8:11 pm Operator: NL
Sample : BLK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:41 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141127.D Vial: 7
Acq On : 14 Mar 2011 8:44 pm Operator: NL
Sample : 11C0531-BLK1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:41 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	97361	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	726884	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1074762	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	910490	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	500155	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	395597	23.74 ug/L	0.00
Spiked Amount 25.000			Recovery	= 94.96%	
46) Toluene-d8	13.99	98	1152233	24.31 ug/L	0.00
Spiked Amount 25.000			Recovery	= 97.24%	
60) 4-Bromofluorobenzene	17.62	95	509340	25.36 ug/L	0.00
Spiked Amount 25.000			Recovery	= 101.44%	

Target Compounds					Qvalue
2) Ethanol	5.92	45	2347	60.48 ug/L	94 NT
3) tert-Butanol (TBA)	7.43	59	688	Below Cal #	81
6) Chloromethane	4.81	50	2882	0.19 ug/L #	41 <RL
8) Bromomethane	5.80	94	764	0.88 ug/L #	71 NRT
11) Acetone	6.86	43	2034	0.56 ug/L #	90 ND
12) Iodomethane	7.53	142	1029	1.85 ug/L #	32 ND SM
14) Methylene chloride	7.63	84	2116	0.11 ug/L	85 ND
16) Carbon disulfide	7.94	76	11342	0.24 ug/L #	67 <RL
43) 4-Methyl-2-pentanone (MIBK	13.20	43	1331	0.16 ug/L #	52 ND
45) 1,1,2-Trichloroethane	14.01	97	13100	1.16 ug/L #	1 NRT
49) 1,3-Dichloropropane	13.99	76	14375	0.81 ug/L #	66
50) 2-Hexanone	14.34	43	890	0.16 ug/L # ND	88 <RL
59) o-Xylene	17.07	106	837	Below Cal #	62
74) 1,3-Dichlorobenzene	19.36	146	3627	0.11 ug/L	90
75) 1,4-Dichlorobenzene	19.44	146	3740	0.12 ug/L #	68
77) 1,2-Dichlorobenzene	19.88	146	2803	0.10 ug/L	90
79) 1,2-Dibromo-3-chloropropan	20.45	75	459	0.26 ug/L #	47
80) 1,2,4-Trichlorobenzene	22.16	180	5434	0.24 ug/L	98
81) Naphthalene	22.50	128	9297	0.35 ug/L	96
83) 1,2,3-Trichlorobenzene	22.77	180	5382	0.30 ug/L	95

3/15/11

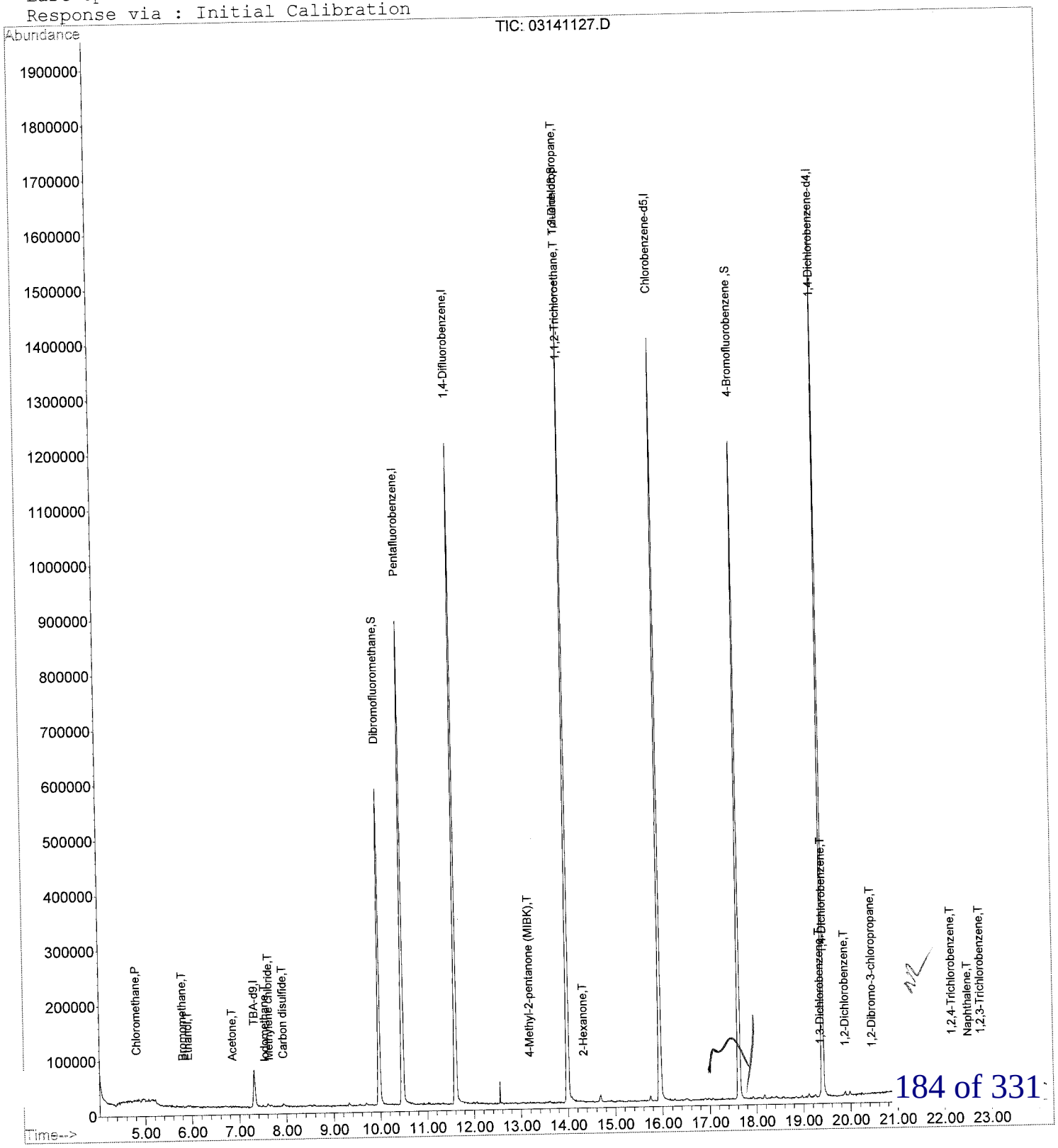
3/15/11

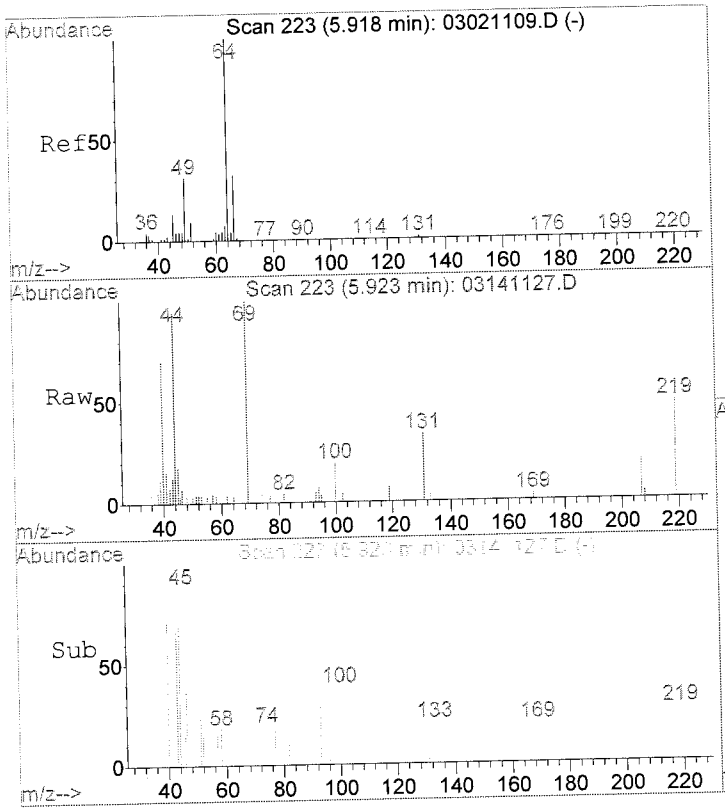
(#) = qualifier out of range (m) = manual integration
03141127.D 031411.M Tue Mar 15 14:41:58 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141127.D Vial: 7
Acq On : 14 Mar 2011 8:44 pm Operator: NL
Sample : 11C0531-BLK1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:41 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration

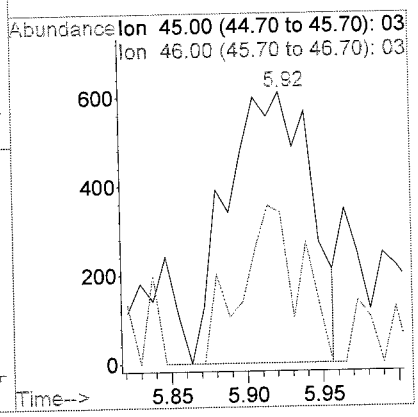


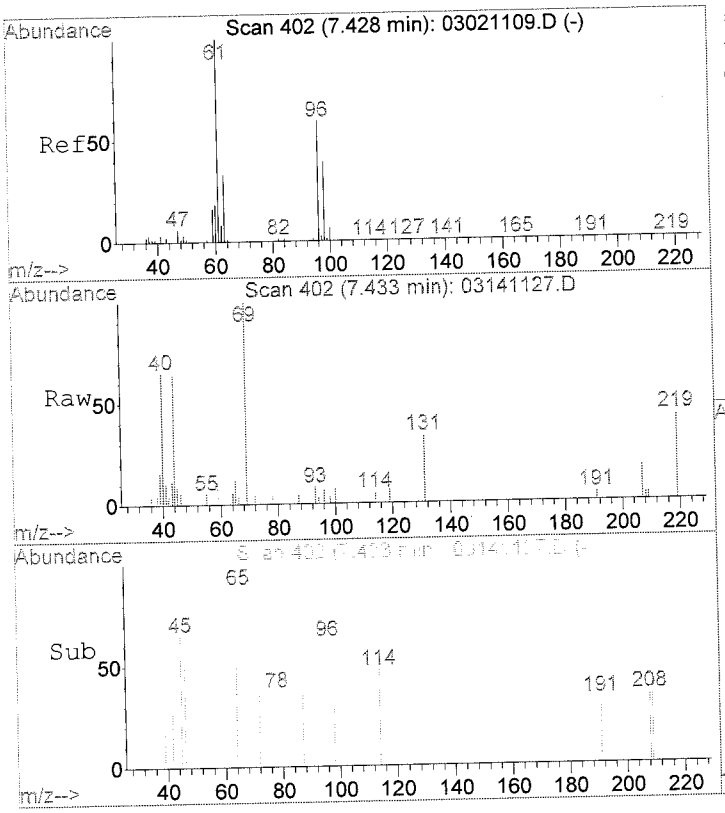


#2
Ethanol
Concen: 60.48 ug/L
RT: 5.92 min Scan# 223
Delta R.T. 0.02 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion: 45 Resp: 2347

Ion	Ratio	Lower	Upper
45	100		
46	40.9	17.5	57.5

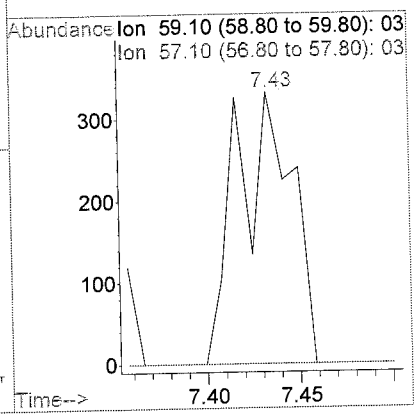


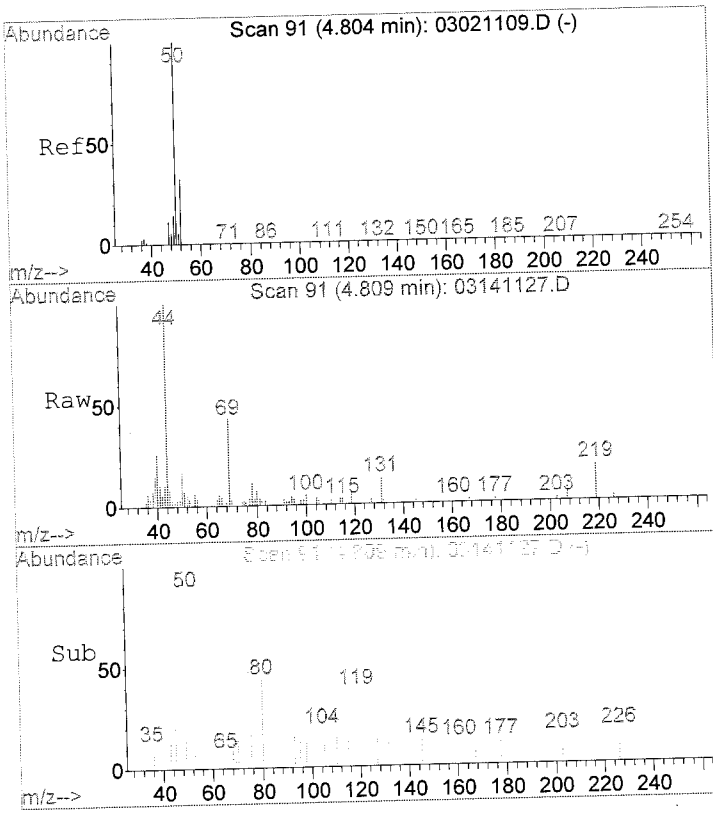


#3
tert-Butanol (TBA)
Concen: Below Cal
RT: 7.43 min Scan# 402
Delta R.T. 0.02 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion: 59 Resp: 688

Ion	Ratio	Lower	Upper
59	100		
57	0.0	5.0	7.6#

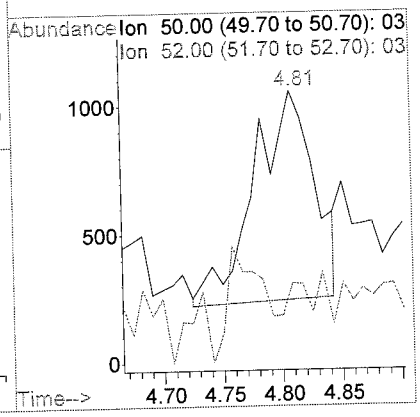


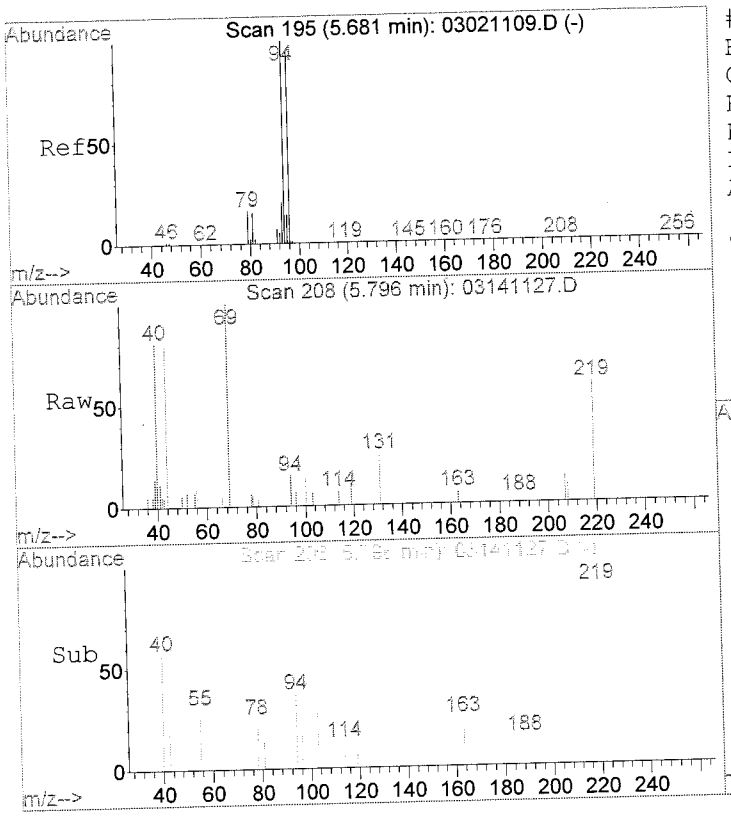


#6
Chloromethane
Concen: 0.19 ug/L
RT: 4.81 min Scan# 91
Delta R.T. 0.03 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion: 50 Resp: 2882

Ion	Ratio	Lower	Upper
50	100		
52	0.0	13.2	53.2#

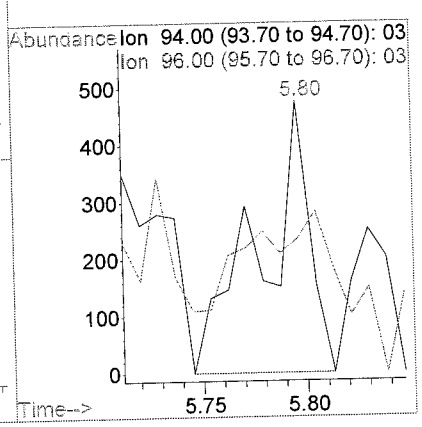


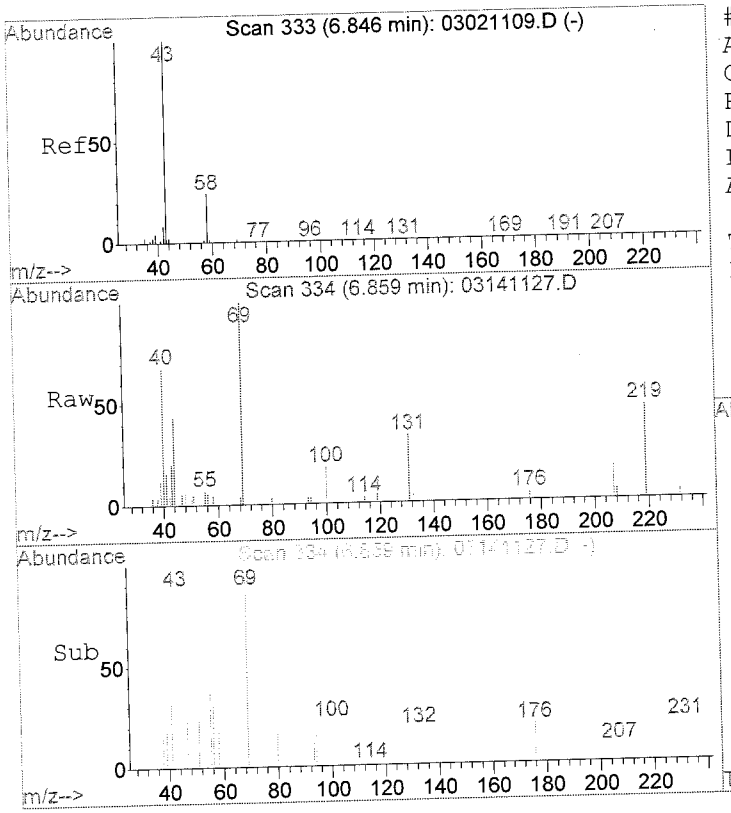


#8
Bromomethane
Concen: 0.88 ug/L
RT: 5.80 min Scan# 208
Delta R.T. 0.13 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion: 94 Resp: 764

Ion	Ratio	Lower	Upper
94	100		
96	128.7	79.5	119.3#

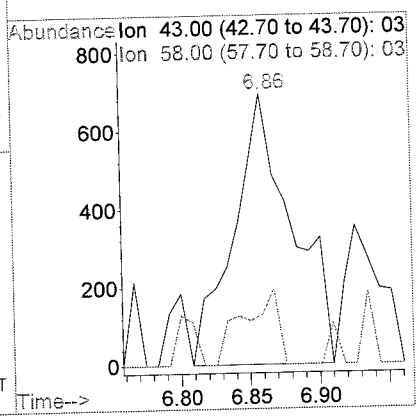


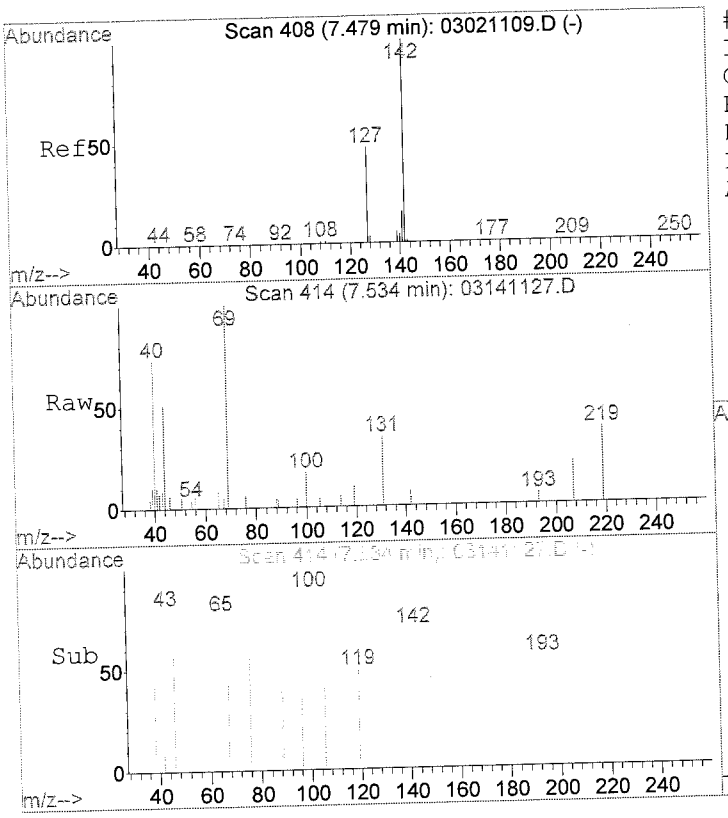


#11
Acetone
Concen: 0.56 ug/L
RT: 6.86 min Scan# 334
Delta R.T. 0.03 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion: 43 Resp: 2034

Ion	Ratio	Lower	Upper
43	100		
58	16.8	17.0	25.6#

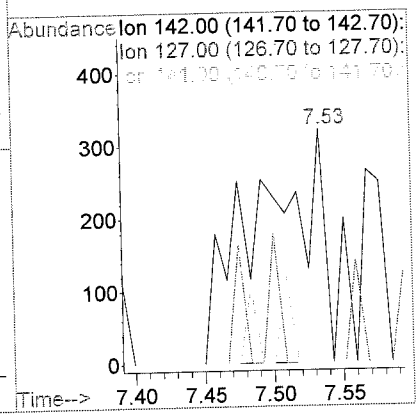


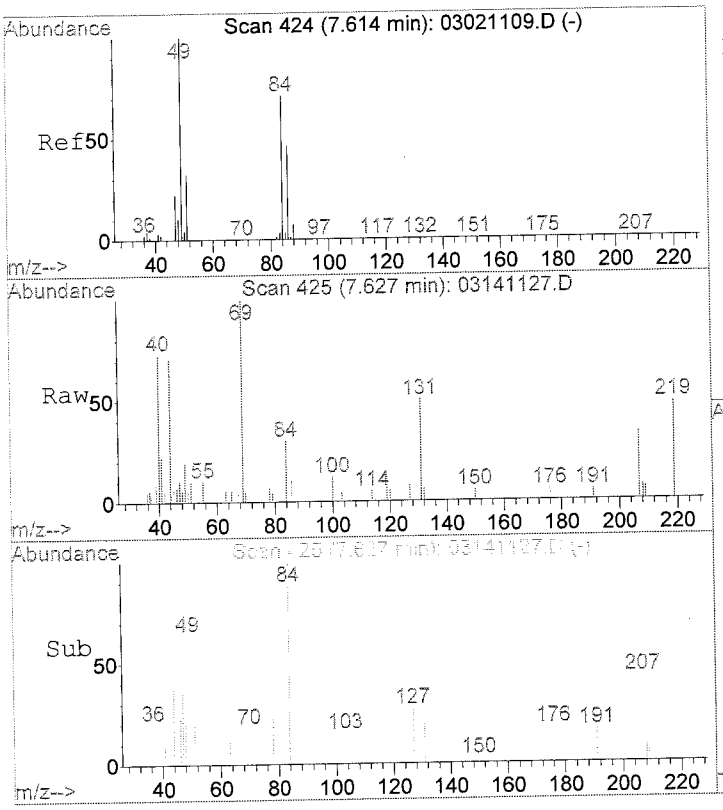


#12
Iodomethane
Concen: 1.85 ug/L
RT: 7.53 min Scan# 414
Delta R.T. 0.07 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion:142 Resp: 1029

Ion	Ratio	Lower	Upper
142	100		
127	0.0	44.9	67.3#
141	0.0	13.1	19.7#

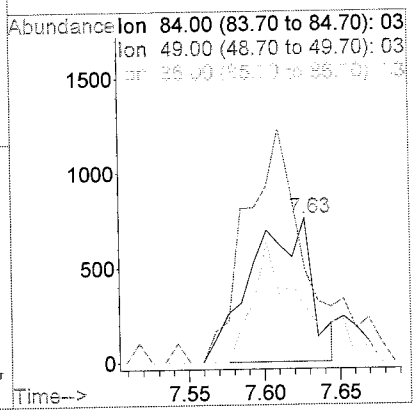


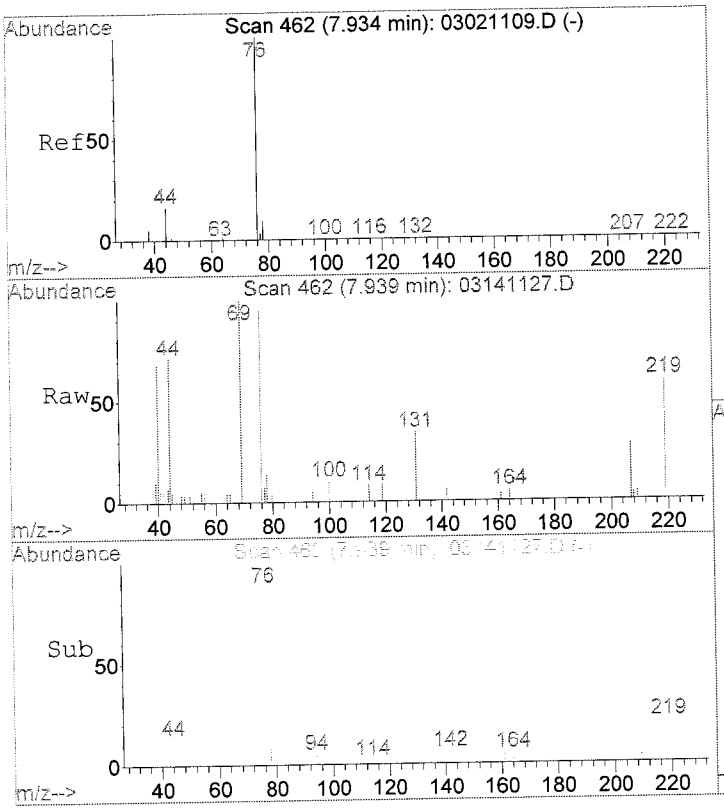


#14
Methylene chloride
Concen: 0.11 ug/L
RT: 7.63 min Scan# 425
Delta R.T. 0.03 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion: 84 Resp: 2116

Ion	Ratio	Lower	Upper
84	100		
49	166.8	116.7	175.1
86	70.3	50.2	75.2

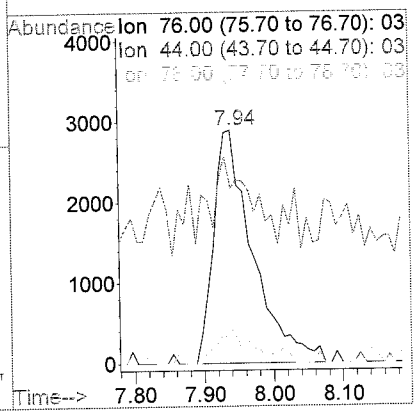


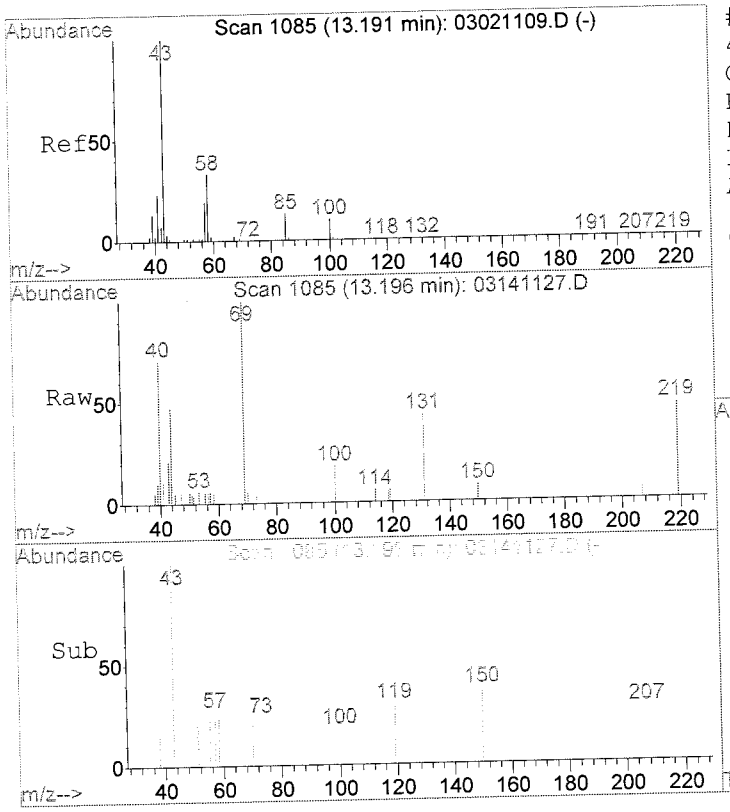


#16
Carbon disulfide
Concen: 0.24 ug/L
RT: 7.94 min Scan# 462
Delta R.T. 0.02 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion: 76 Resp: 11342

Ion	Ratio	Lower	Upper
76	100		
44	40.5	15.0	22.4#
78	8.3	7.2	10.8

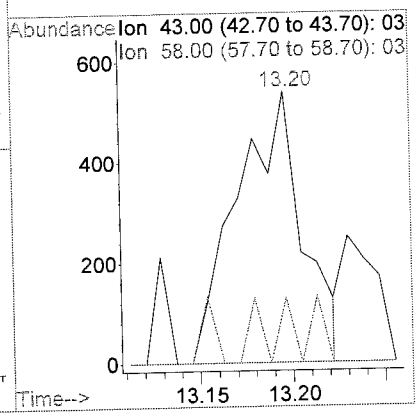


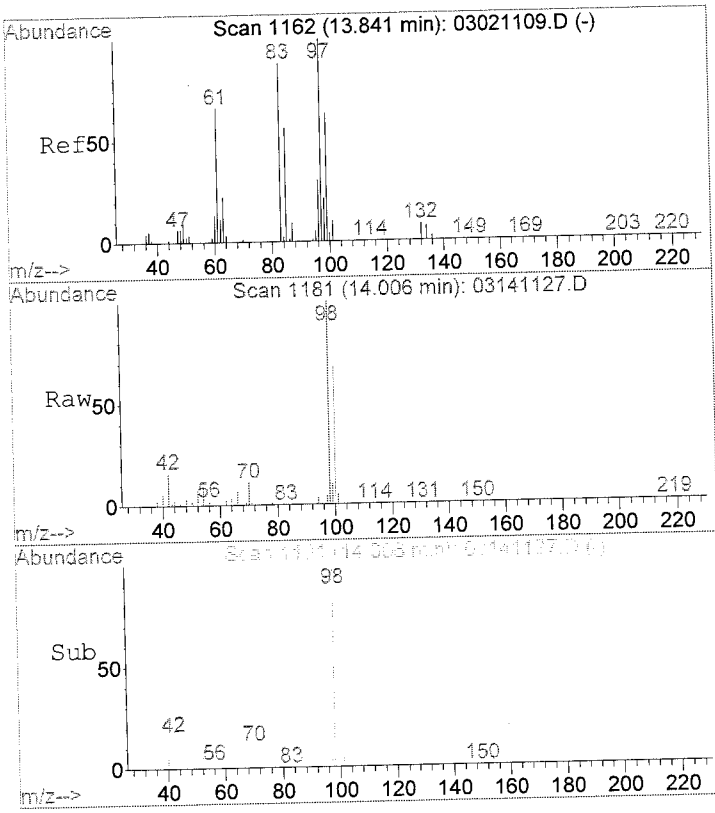


#43
4-Methyl-2-pentanone (MIBK)
Concen: 0.16 ug/L
RT: 13.20 min Scan# 1085
Delta R.T. 0.02 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion: 43 Resp: 1331

Ion	Ratio	Lower	Upper
43	100		
58	4.9	24.9	37.3#

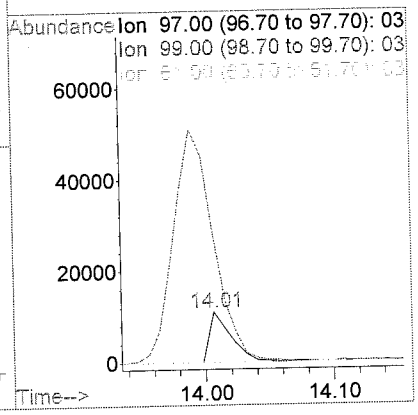




#45
1,1,2-Trichloroethane
Concen: 1.16 ug/L
RT: 14.01 min Scan# 1181
Delta R.T. 0.18 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion: 97 Resp: 13100

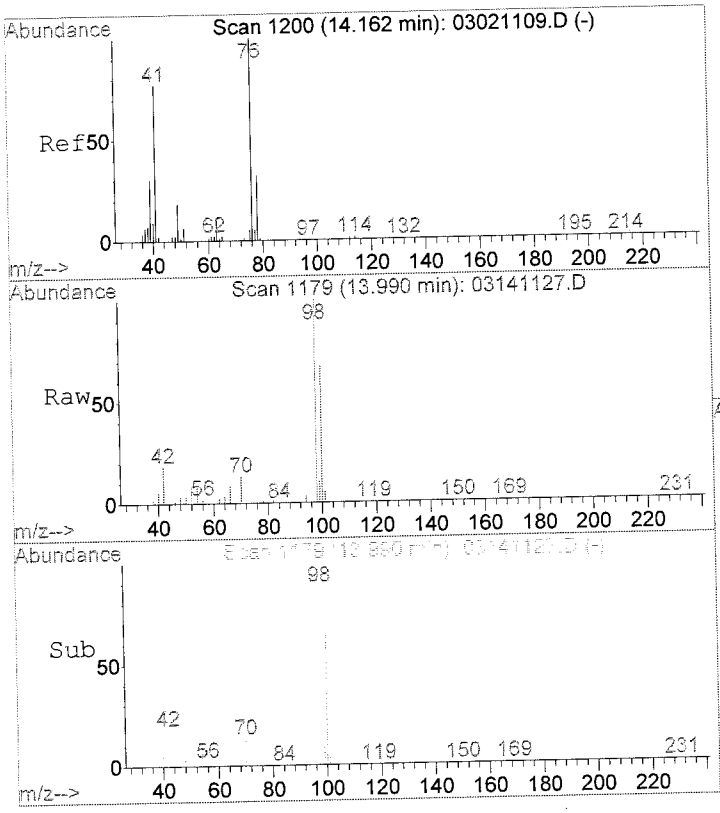
Ion	Ratio	Lower	Upper
97	100		
99	841.9	50.6	76.0#
61	0.0	60.0	90.0#



WPT

M

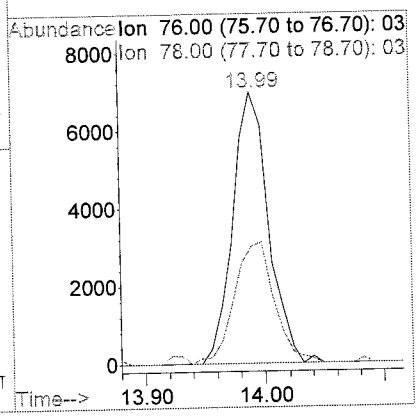
M



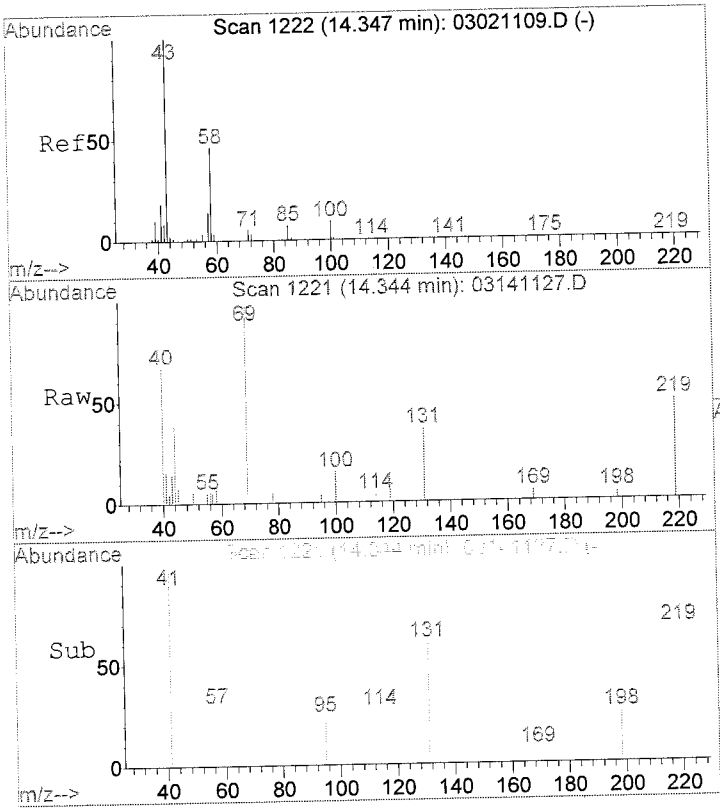
#49
1,3-Dichloropropane
Concen: 0.81 ug/L
RT: 13.99 min Scan# 1179
Delta R.T. -0.15 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion: 76 Resp: 14375

Ion	Ratio	Lower	Upper
76	100		
78	49.9	25.0	37.6#



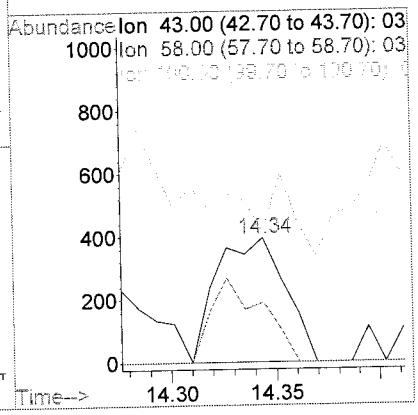
WPT

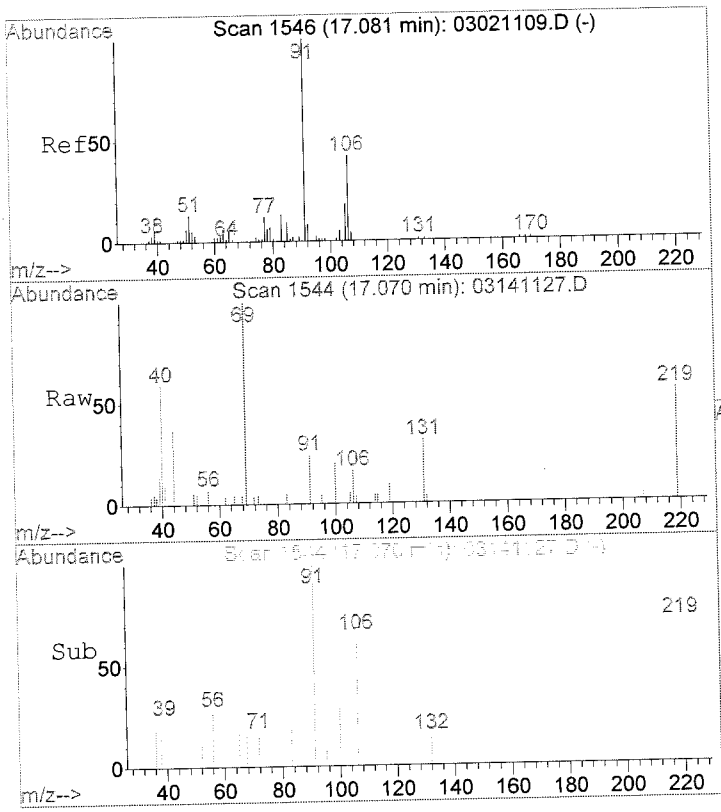


#50
2-Hexanone
Concen: 0.16 ug/L
RT: 14.34 min Scan# 1221
Delta R.T. 0.01 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion: 43 Resp: 890

Ion	Ratio	Lower	Upper
43	100		
58	50.7	35.7	53.5
100	0.0	7.8	11.6#

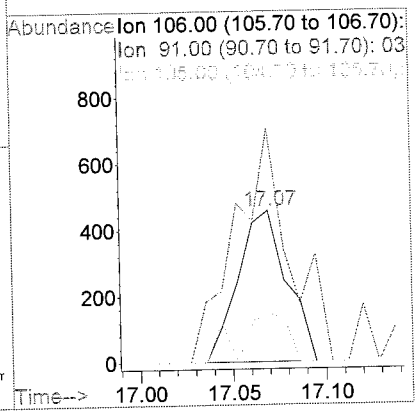


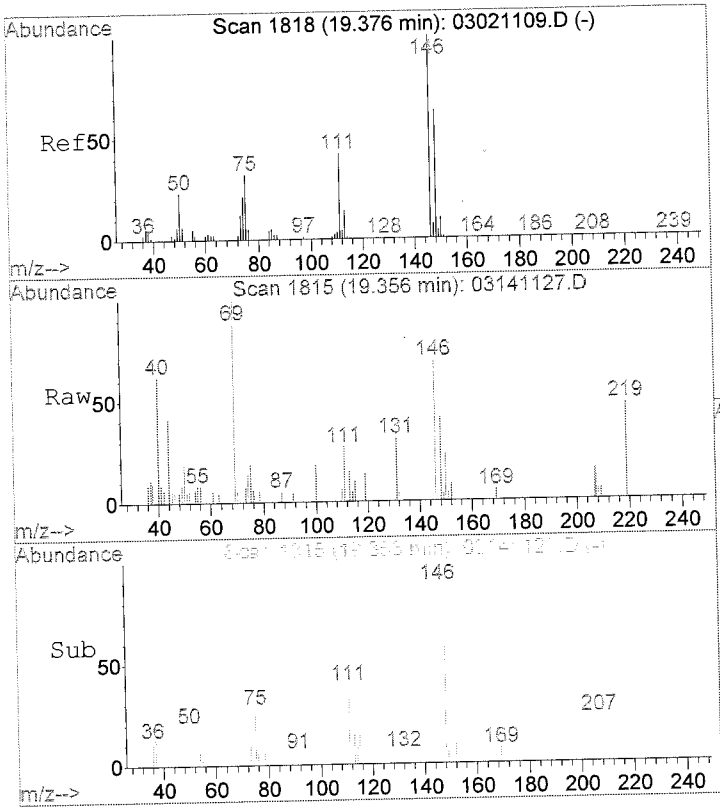


#59
o-Xylene
Concen: Below Cal
RT: 17.07 min Scan# 1544
Delta R.T. 0.01 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion:106 Resp: 837

Ion	Ratio	Lower	Upper
106	100		
91	172.2	222.7	262.7#
105	31.4	22.9	62.9

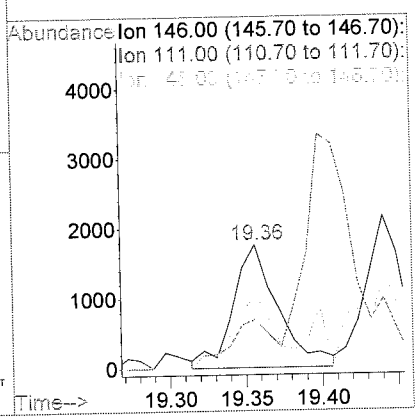


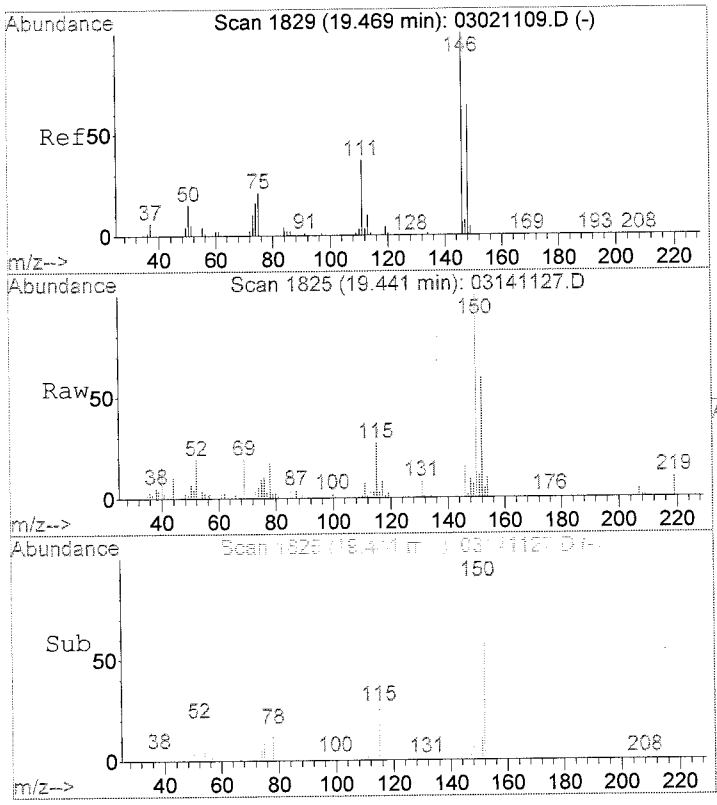


#74
1,3-Dichlorobenzene
Concen: 0.11 ug/L
RT: 19.36 min Scan# 1815
Delta R.T. -0.00 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion:146 Resp: 3627

Ion	Ratio	Lower	Upper
146	100		
111	38.9	34.3	51.5
148	54.8	52.1	78.1

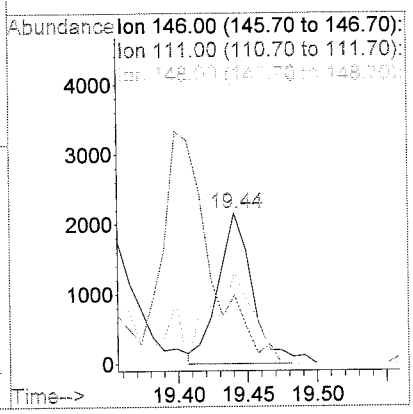


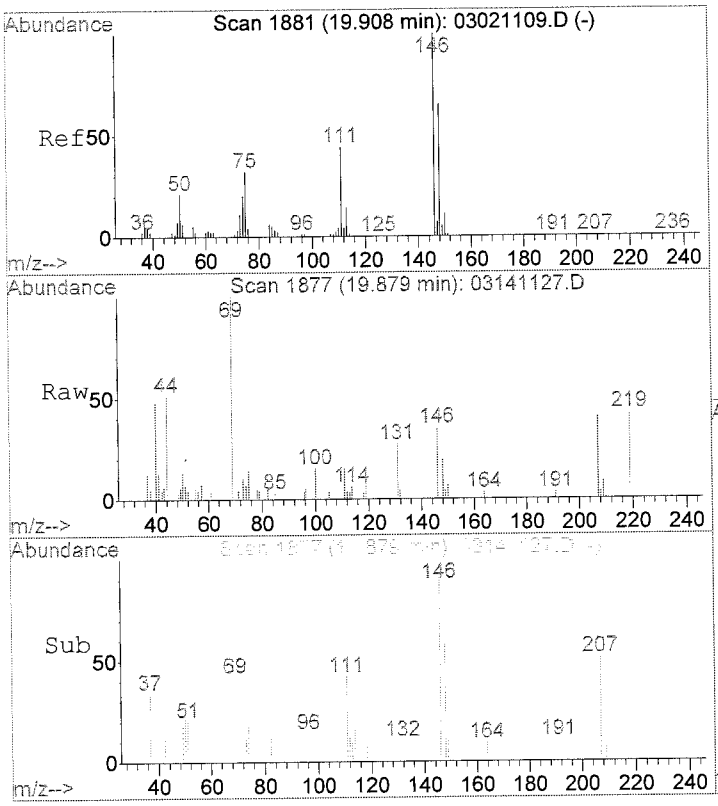


#75
1,4-Dichlorobenzene
Concen: 0.12 ug/L
RT: 19.44 min Scan# 1825
Delta R.T. -0.00 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion:146 Resp: 3740

Ion	Ratio	Lower	Upper
146	100		
111	0.0	33.9	50.9#
148	73.1	52.2	78.4

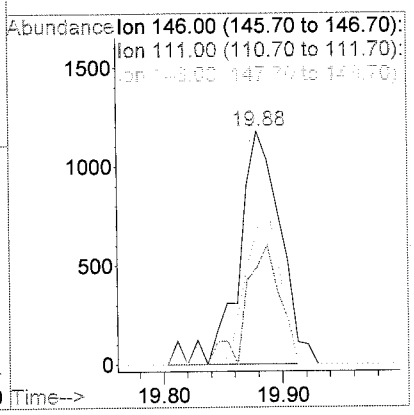


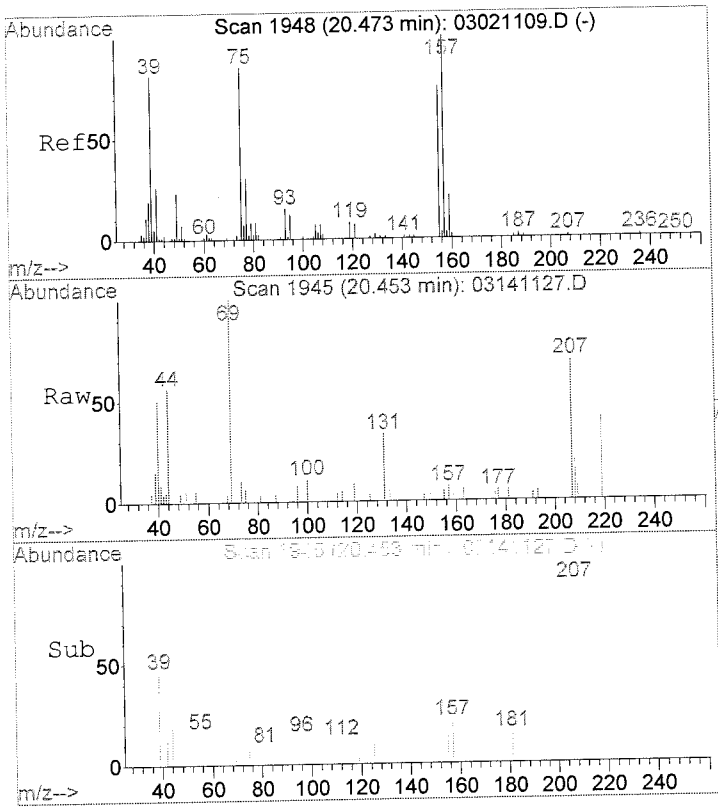


#77
1,2-Dichlorobenzene
Concen: 0.10 ug/L
RT: 19.88 min Scan# 1877
Delta R.T. -0.00 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion:146 Resp: 2803

Ion	Ratio	Lower	Upper
146	100		
111	42.4	35.6	53.4
148	53.6	51.7	77.5

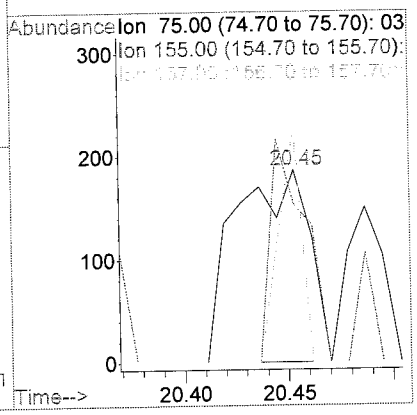


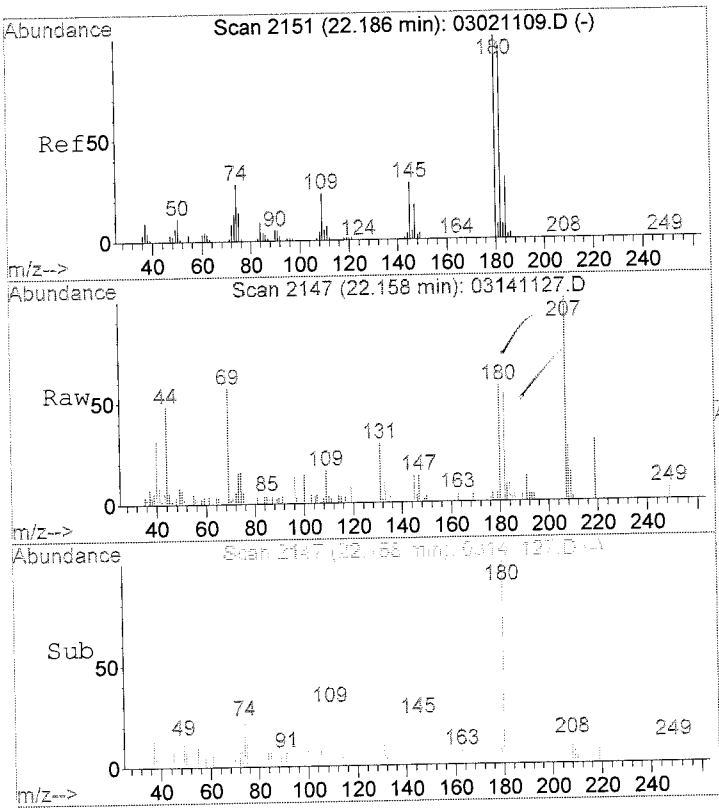


#79
1,2-Dibromo-3-chloropropane
Concen: 0.26 ug/L
RT: 20.45 min Scan# 1945
Delta R.T. 0.01 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion: 75 Resp: 459

Ion	Ratio	Lower	Upper
75	100		
155	55.3	67.3	100.9#
157	37.9	89.6	134.4#

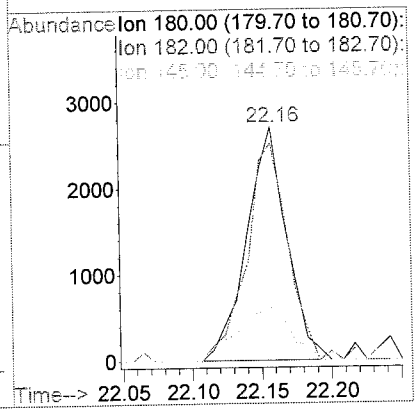


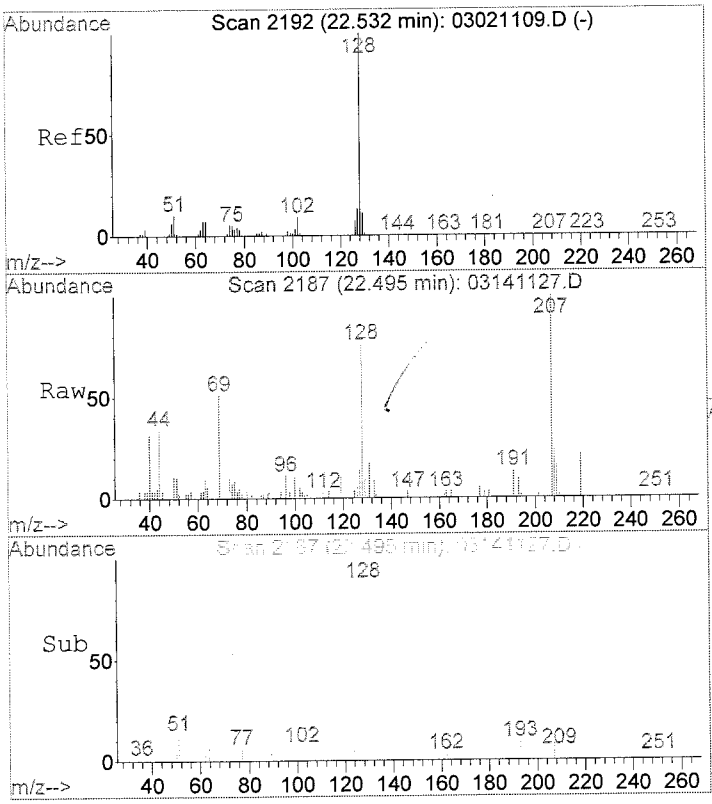


#80
1,2,4-Trichlorobenzene
Concen: 0.24 ug/L
RT: 22.16 min Scan# 2147
Delta R.T. 0.01 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion:180 Resp: 5434

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
145	30.4	20.7	31.1

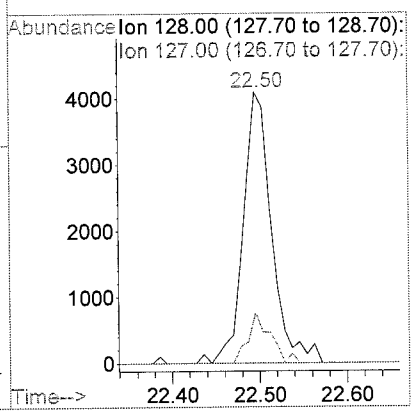


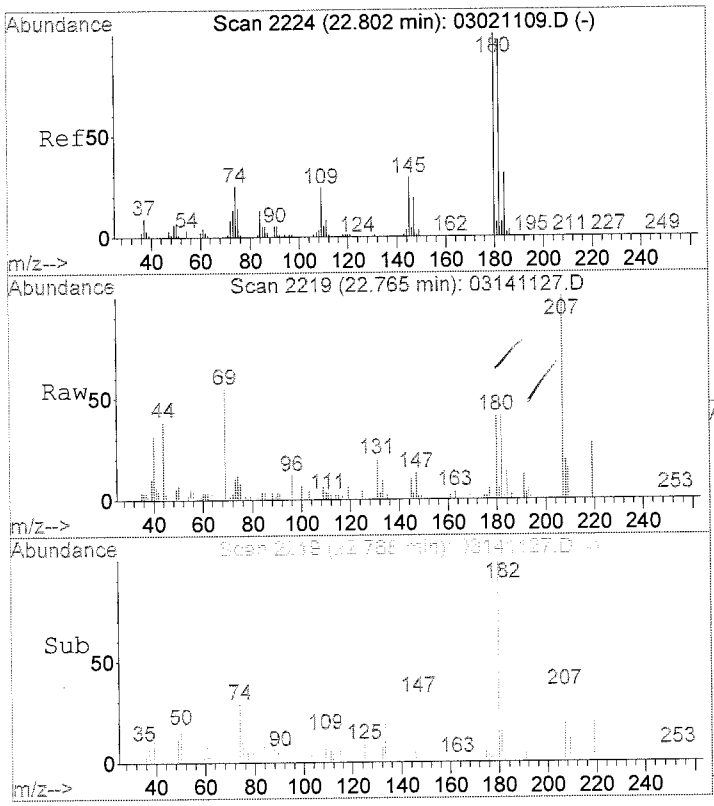


#81
Naphthalene
Concen: 0.35 ug/L
RT: 22.50 min Scan# 2187
Delta R.T. -0.00 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion:128 Resp: 9297

Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.2	15.4

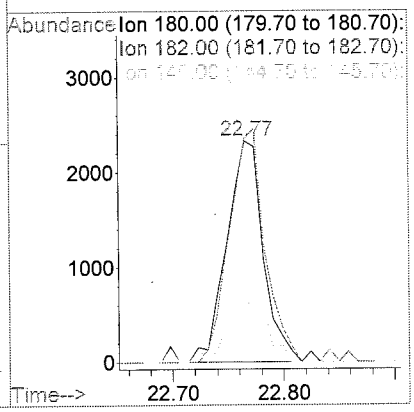




#83
1,2,3-Trichlorobenzene
Concen: 0.30 ug/L
RT: 22.77 min Scan# 2219
Delta R.T. -0.00 min
Lab File: 03141127.D
Acq: 14 Mar 2011 8:44 pm

Tgt Ion:180 Resp: 5382

Ion	Ratio	Lower	Upper
180	100		
182	102.0	78.2	117.2
145	31.1	22.6	34.0



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141130.D Vial: 10
Acq On : 14 Mar 2011 10:22 pm Operator: NL
Sample : PUC0526-02@TB Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 7:23 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	108853	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	655043	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	927762	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.94	117	804415	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.40	152	464336	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	363055	24.17 ug/L	0.00
Spiked Amount 25.000			Recovery =	96.68%	
46) Toluene-d8	13.99	98	991730	24.24 ug/L	0.00
Spiked Amount 25.000			Recovery =	96.96%	
60) 4-Bromofluorobenzene	17.62	95	465892	26.26 ug/L	0.00
Spiked Amount 25.000			Recovery =	105.04%	

Target Compounds						Qvalue
2) Ethanol	5.94	45	513	11.82 ug/L		76 LT
3) tert-Butanol (TBA)	7.42	59	305	Below Cal	#	51 L
8) Bromomethane	5.80	94	727	0.89 ug/L	#	1 WRT
11) Acetone	6.85	43	2813	0.87 ug/L	#	75 <RL
12) Iodomethane	7.49	142	313	1.81 ug/L	#	90 NSM
14) Methylene chloride	7.60	84	1907	0.11 ug/L		97 <RL
16) Carbon disulfide	7.93	76	9984	0.23 ug/L	#	70 L
43) 4-Methyl-2-pentanone (MIBK	13.09	43	673	0.09 ug/L	#	57 L
45) 1,1,2-Trichloroethane	14.01	97	8488	0.87 ug/L	#	1 WRT
49) 1,3-Dichloropropane	13.99	76	12519	0.80 ug/L	#	62 L
59) o-Xylene	17.07	106	275	Below Cal	#	49 ND/<RL
79) 1,2-Dibromo-3-chloropropan	20.43	75	200	0.12 ug/L	#	31 L
80) 1,2,4-Trichlorobenzene	22.16	180	2250	0.11 ug/L	#	91 L
81) Naphthalene	22.49	128	2935	0.12 ug/L	#	79 L
83) 1,2,3-Trichlorobenzene	22.77	180	1951	0.12 ug/L		94 L

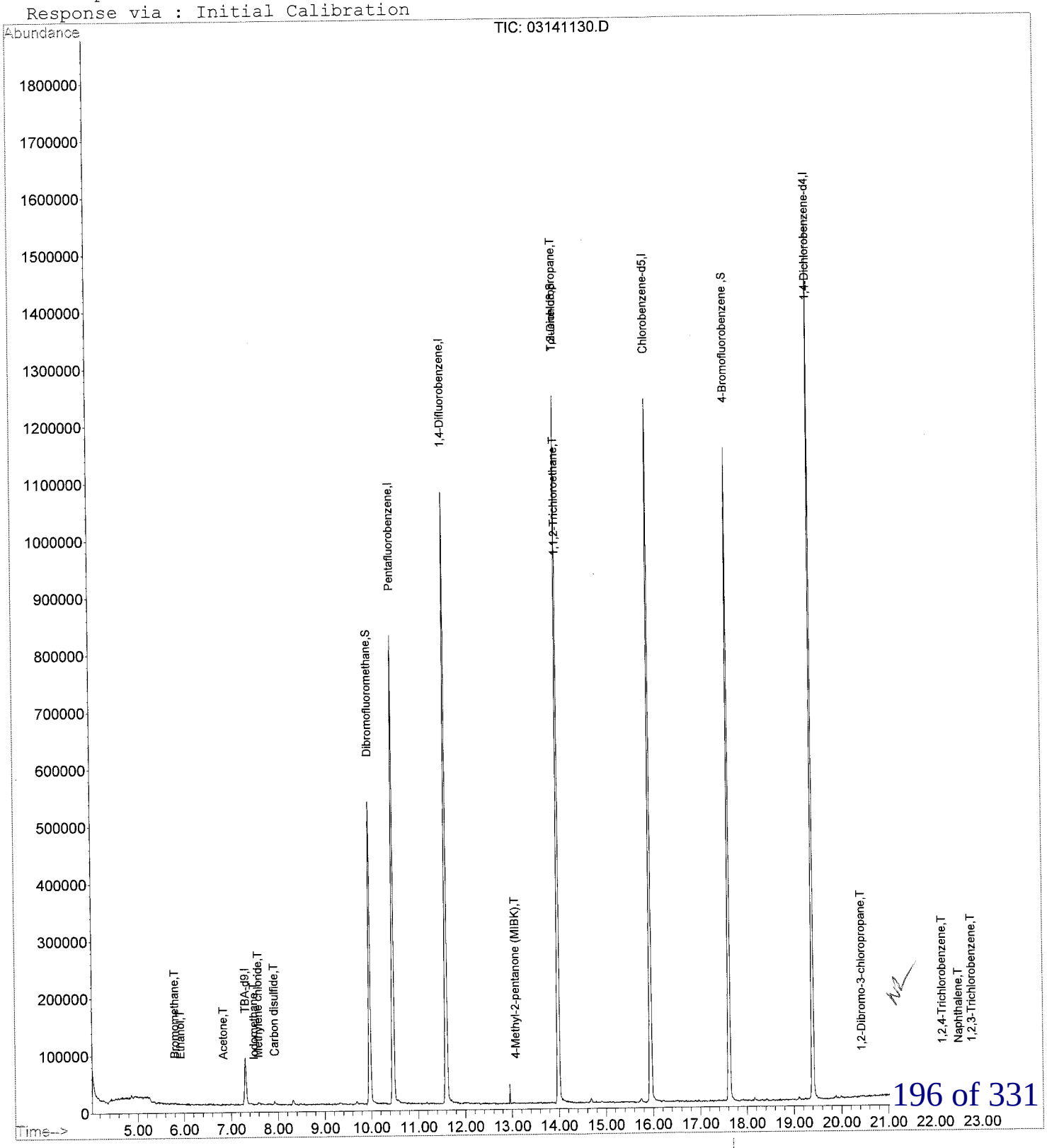
NL 3/15/11

(#) = qualifier out of range (m) = manual integration
03141130.D 031411.M Tue Mar 15 14:42:57 2011

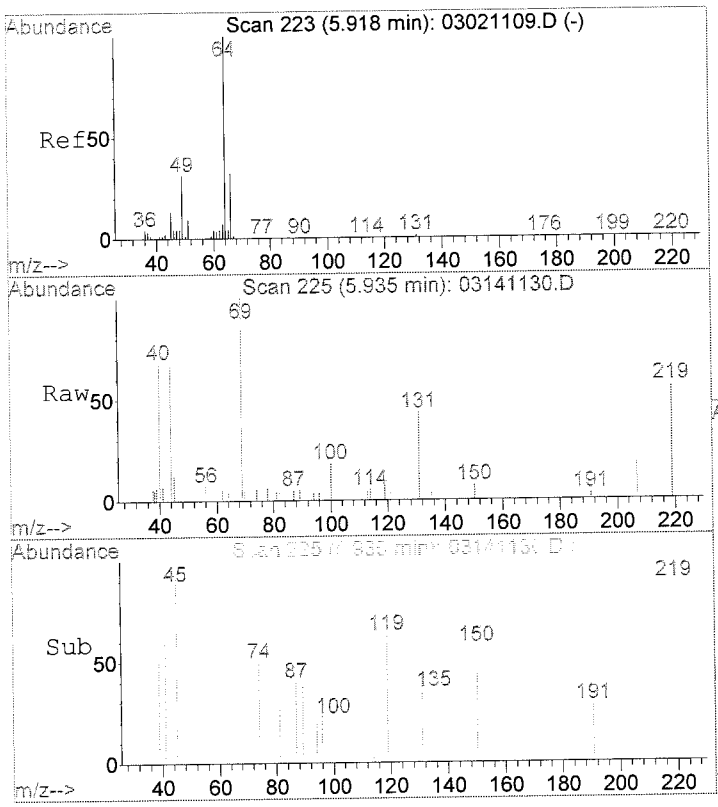
Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141130.D Vial: 10
Acq On : 14 Mar 2011 10:22 pm Operator: NL
Sample : PUC0526-02@TB Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 7:23 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



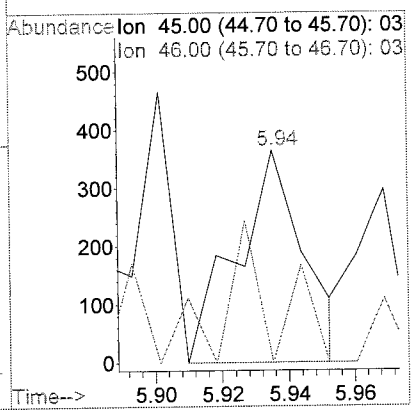
03141130.D 031411.M Tue Mar 15 14:42:58 2011

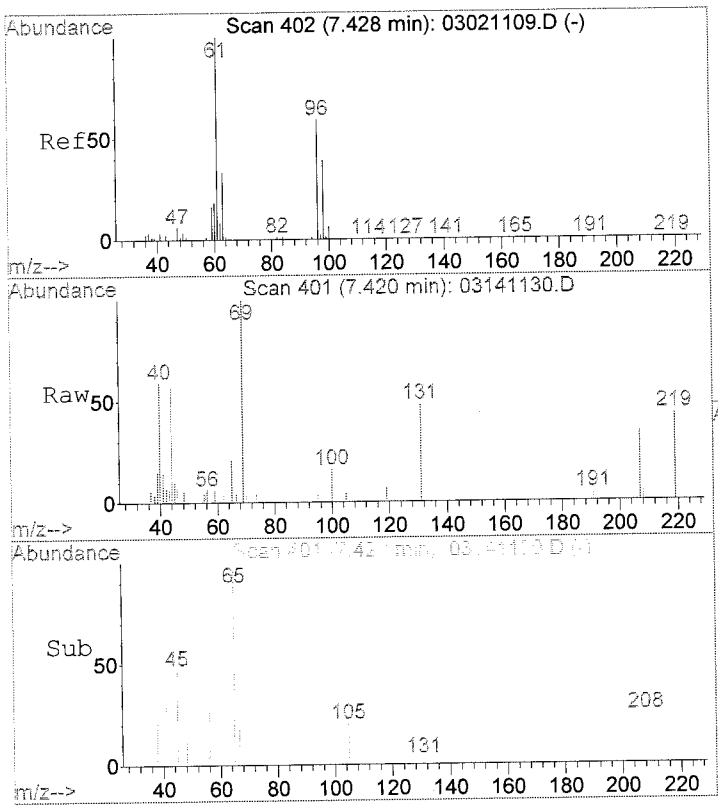


#2
Ethanol
Concen: 11.82 ug/L
RT: 5.94 min Scan# 225
Delta R.T. 0.04 min
Lab File: 03141130.D
Acq: 14 Mar 2011 10:22 pm

Tgt Ion: 45 Resp: 513

Ion	Ratio	Lower	Upper
45	100		
46	51.7	17.5	57.5

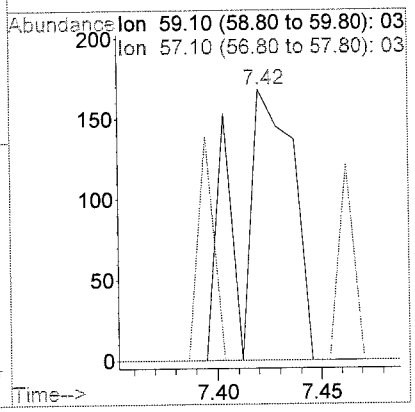


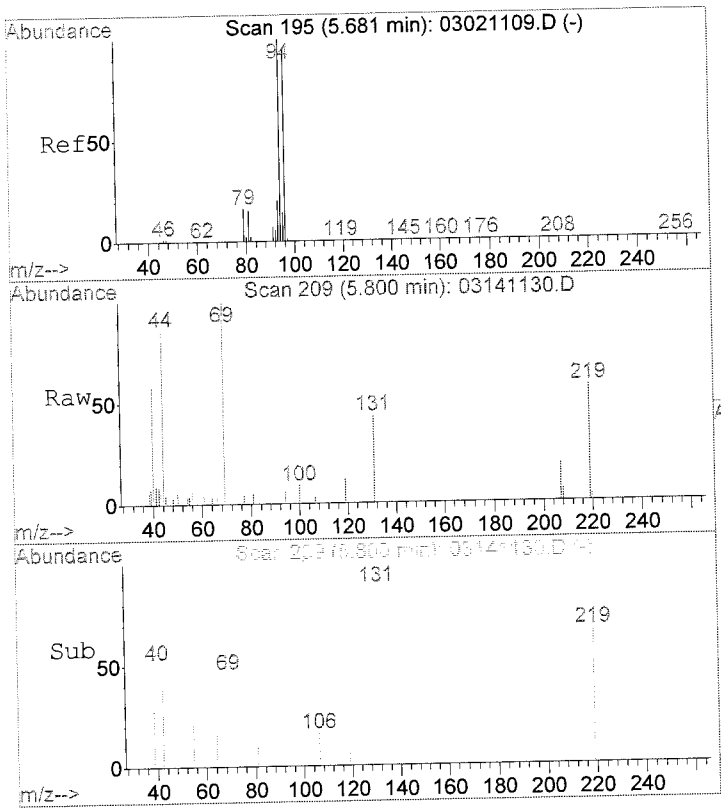


#3
tert-Butanol (TBA)
Concen: Below Cal
RT: 7.42 min Scan# 401
Delta R.T. 0.00 min
Lab File: 03141130.D
Acq: 14 Mar 2011 10:22 pm

Tgt Ion: 59 Resp: 305

Ion	Ratio	Lower	Upper
59	100		
57	23.0	5.0	7.6#

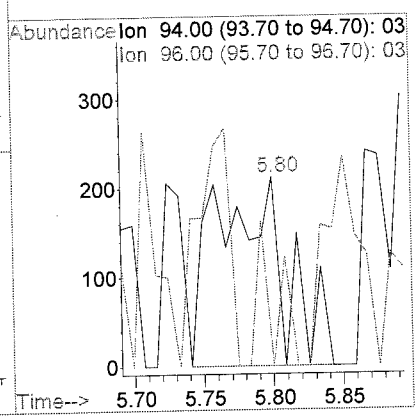


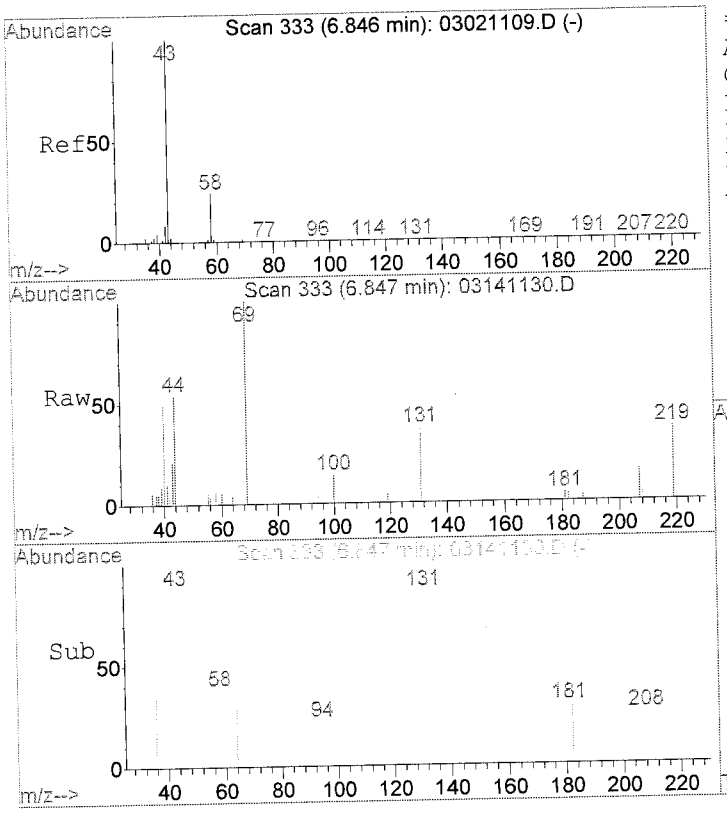


#8
Bromomethane
Concen: 0.89 ug/L
RT: 5.80 min Scan# 209
Delta R.T. 0.14 min
Lab File: 03141130.D
Acq: 14 Mar 2011 10:22 pm

Tgt Ion: 94 Resp: 727

Ion	Ratio	Lower	Upper
94	100		
96	0.0	79.5	119.3#

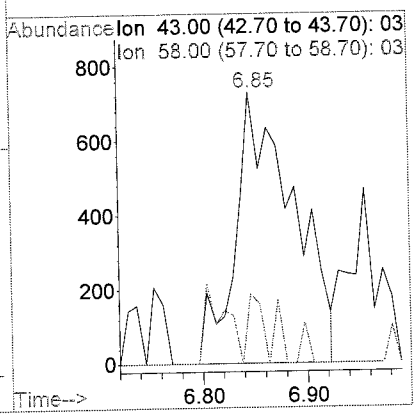


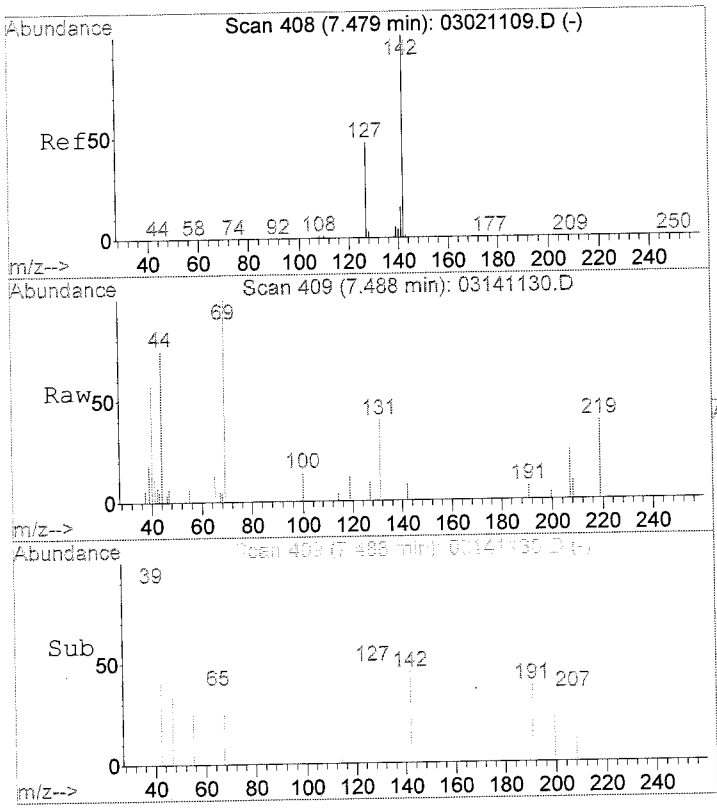


#11
Acetone
Concen: 0.87 ug/L
RT: 6.85 min Scan# 333
Delta R.T. 0.02 min
Lab File: 03141130.D
Acq: 14 Mar 2011 10:22 pm

Tgt Ion: 43 Resp: 2813

Ion	Ratio	Lower	Upper
43	100		
58	9.3	17.0	25.6#

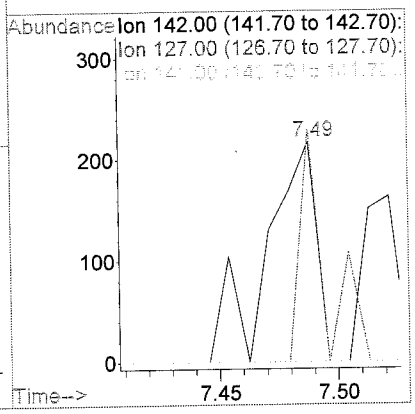


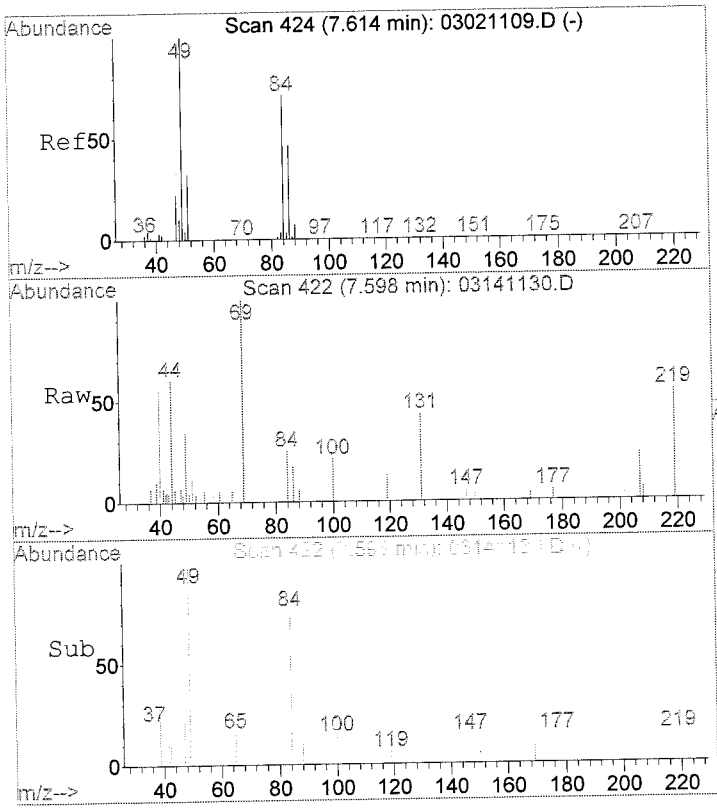


#12
Iodomethane
Concen: 1.81 ug/L
RT: 7.49 min Scan# 409
Delta R.T. 0.03 min
Lab File: 03141130.D
Acq: 14 Mar 2011 10:22 pm

Tgt Ion:142 Resp: 313

Ion	Ratio	Lower	Upper
142	100		
127	54.6	44.9	67.3
141	0.0	13.1	19.7#

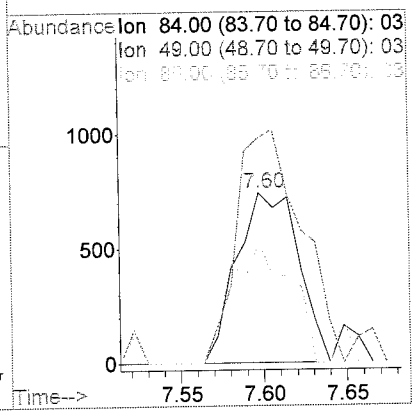


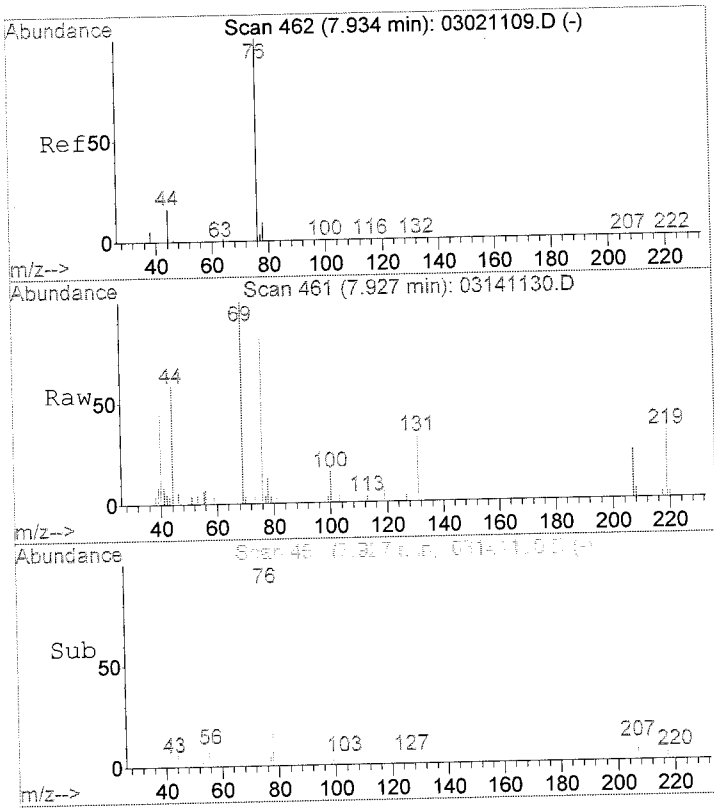


#14
Methylene chloride
Concen: 0.11 ug/L
RT: 7.60 min Scan# 422
Delta R.T. 0.00 min
Lab File: 03141130.D
Acq: 14 Mar 2011 10:22 pm

Tgt Ion: 84 Resp: 1907

Ion	Ratio	Lower	Upper
84	100		
49	144.2	116.7	175.1
86	67.3	50.2	75.2

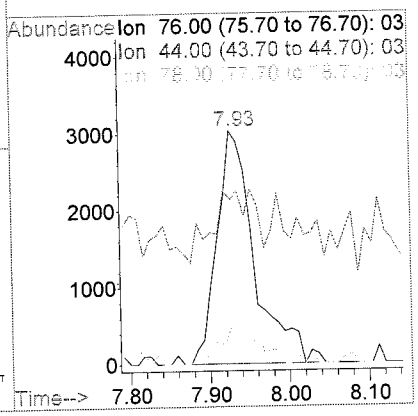


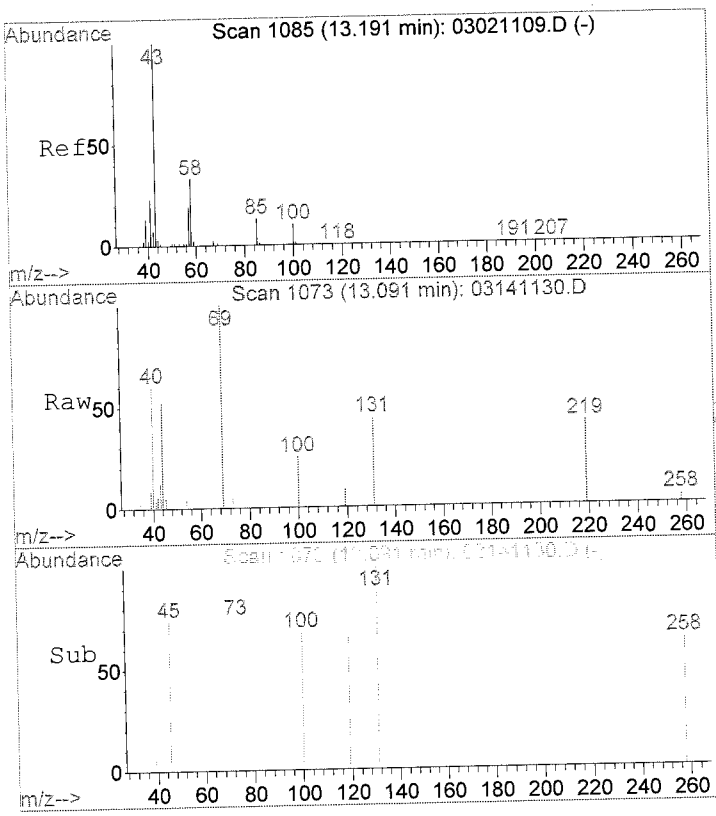


#16
Carbon disulfide
Concen: 0.23 ug/L
RT: 7.93 min Scan# 461
Delta R.T. 0.00 min
Lab File: 03141130.D
Acq: 14 Mar 2011 10:22 pm

Tgt Ion: 76 Resp: 9984

Ion	Ratio	Lower	Upper
76	100		
44	34.2	15.0	22.4#
78	16.2	7.2	10.8#

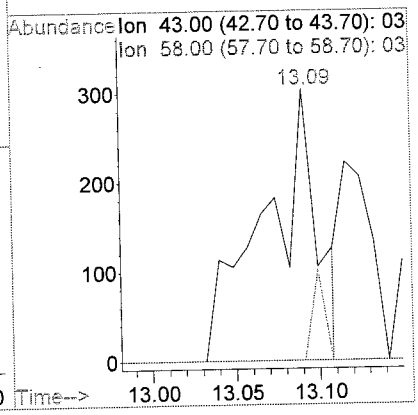


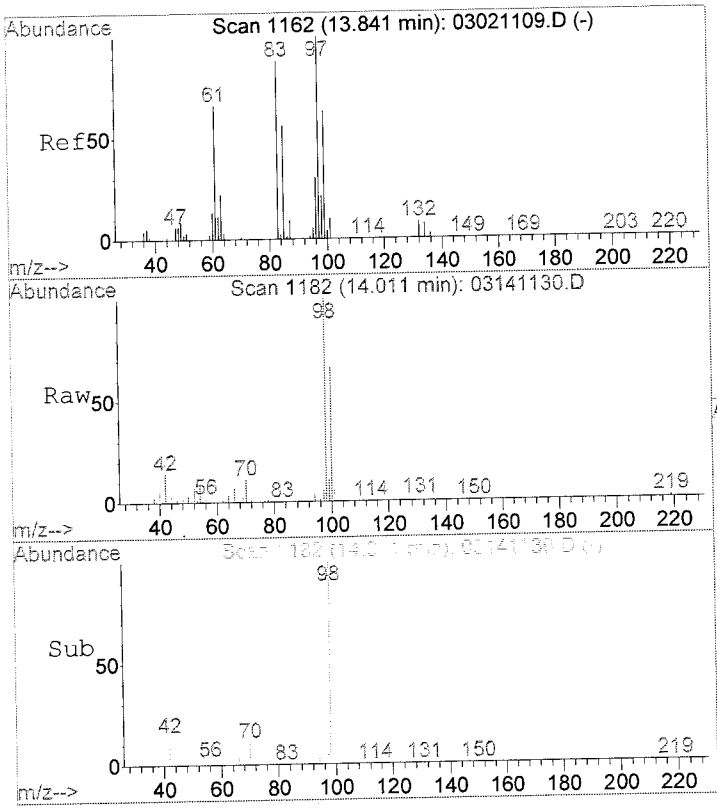


#43
4-Methyl-2-pentanone (MIBK)
Concen: 0.09 ug/L
RT: 13.09 min Scan# 1073
Delta R.T. -0.08 min
Lab File: 03141130.D
Acq: 14 Mar 2011 10:22 pm

Tgt Ion: 43 Resp: 673

Ion	Ratio	Lower	Upper
43	100		
58	7.6	24.9	37.3#

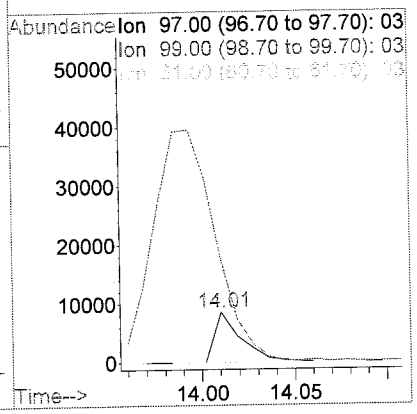




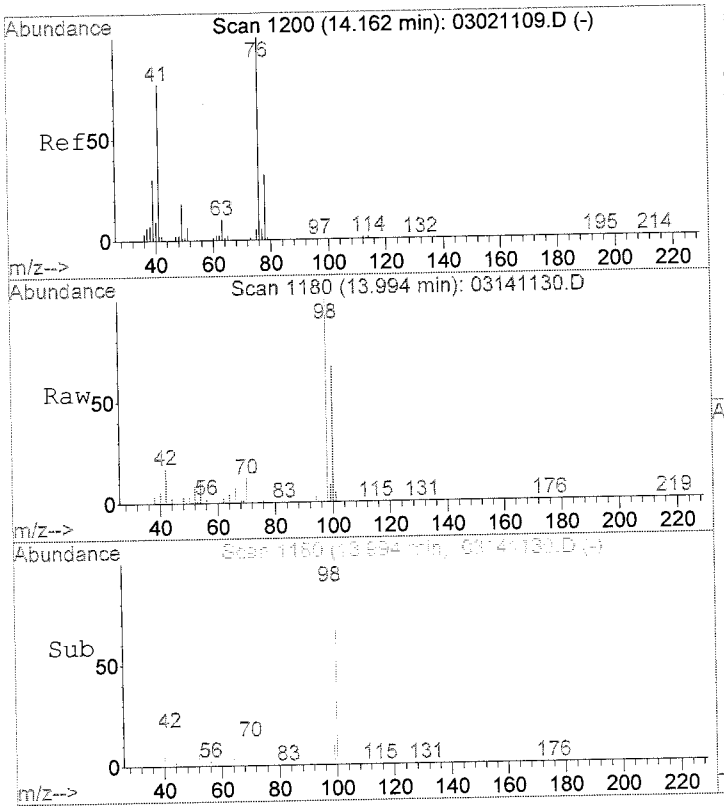
#45
1,1,2-Trichloroethane
Concen: 0.87 ug/L
RT: 14.01 min Scan# 1182
Delta R.T. 0.19 min
Lab File: 03141130.D
Acq: 14 Mar 2011 10:22 pm

Tgt Ion: 97 Resp: 8488

Ion	Ratio	Lower	Upper
97	100		
99	1105.7	50.6	76.0#
61	0.0	60.0	90.0#



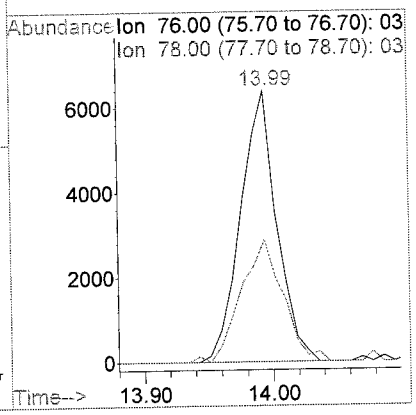
WRT



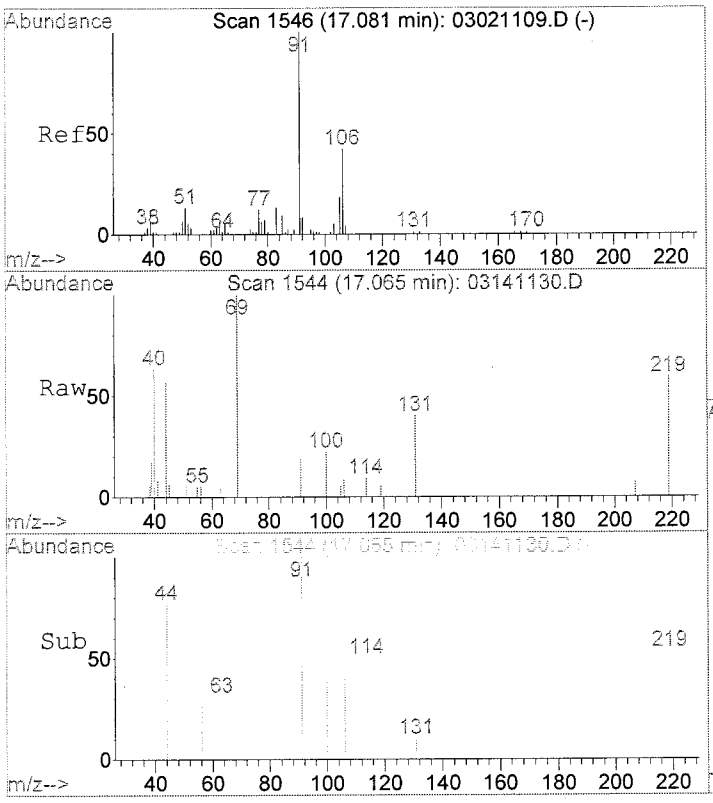
#49
1,3-Dichloropropane
Concen: 0.80 ug/L
RT: 13.99 min Scan# 1180
Delta R.T. -0.15 min
Lab File: 03141130.D
Acq: 14 Mar 2011 10:22 pm

Tgt Ion: 76 Resp: 12519

Ion	Ratio	Lower	Upper
76	100		
78	52.2	25.0	37.6#



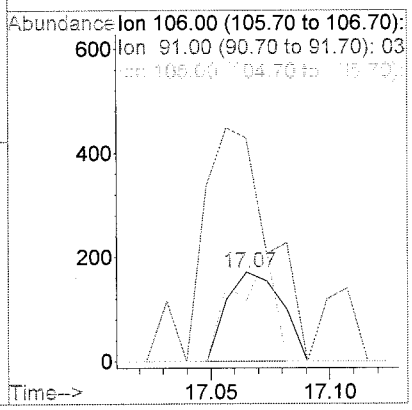
WRT

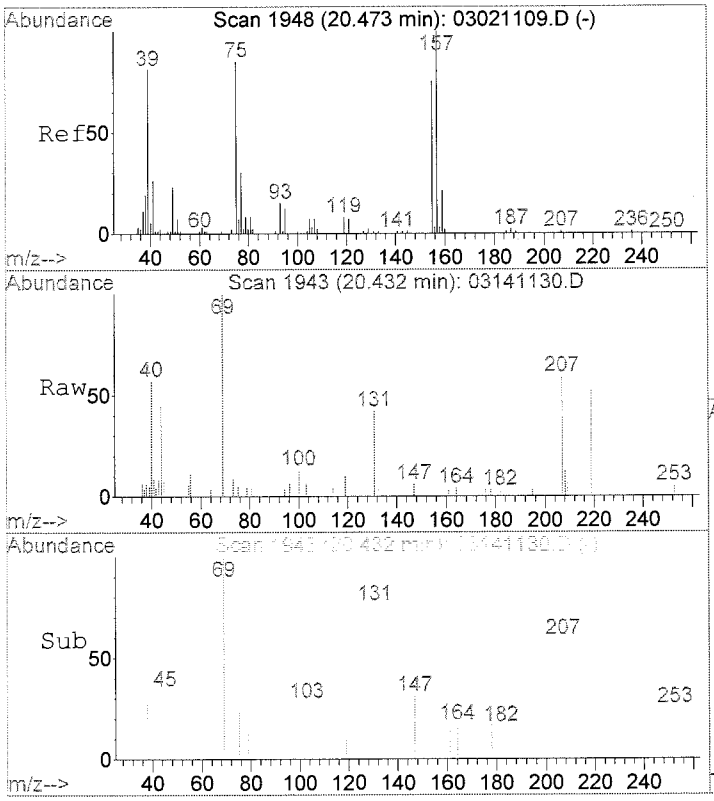


#59
o-Xylene
Concen: Below Cal
RT: 17.07 min Scan# 1544
Delta R.T. 0.00 min
Lab File: 03141130.D
Acq: 14 Mar 2011 10:22 pm

Tgt Ion:106 Resp: 275

Ion	Ratio	Lower	Upper
106	100		
91	325.1	222.7	262.7#
105	87.3	22.9	62.9#

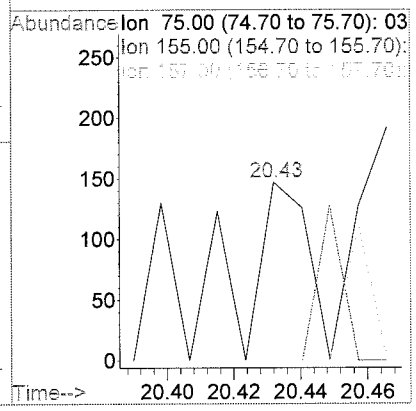


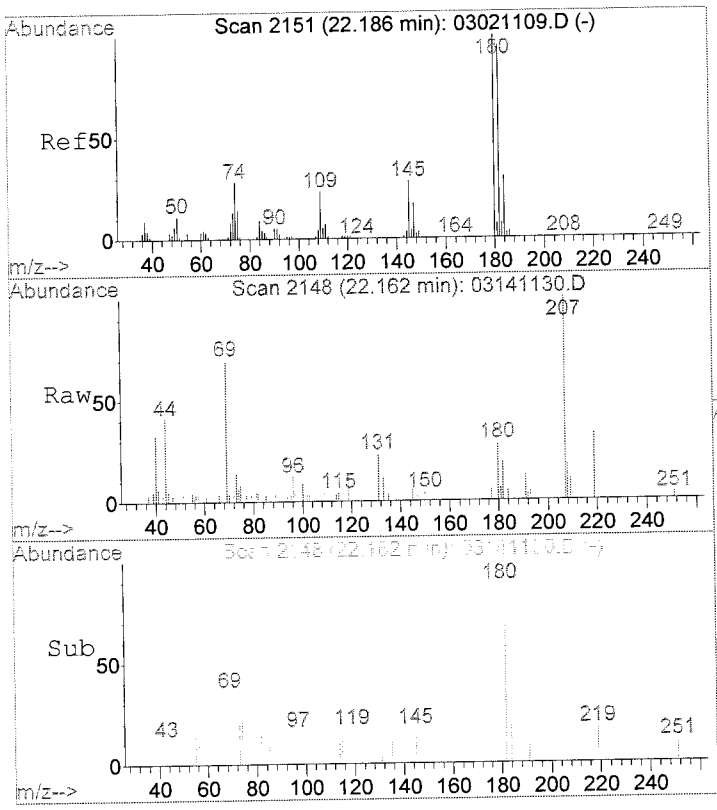


#79
1,2-Dibromo-3-chloropropane
Concen: 0.12 ug/L
RT: 20.43 min Scan# 1943
Delta R.T. -0.01 min
Lab File: 03141130.D
Acq: 14 Mar 2011 10:22 pm

Tgt Ion: 75 Resp: 200

Ion	Ratio	Lower	Upper
75	100		
155	32.5	67.3	100.9#
157	28.5	89.6	134.4#

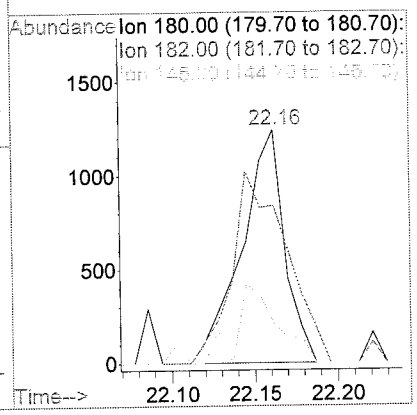


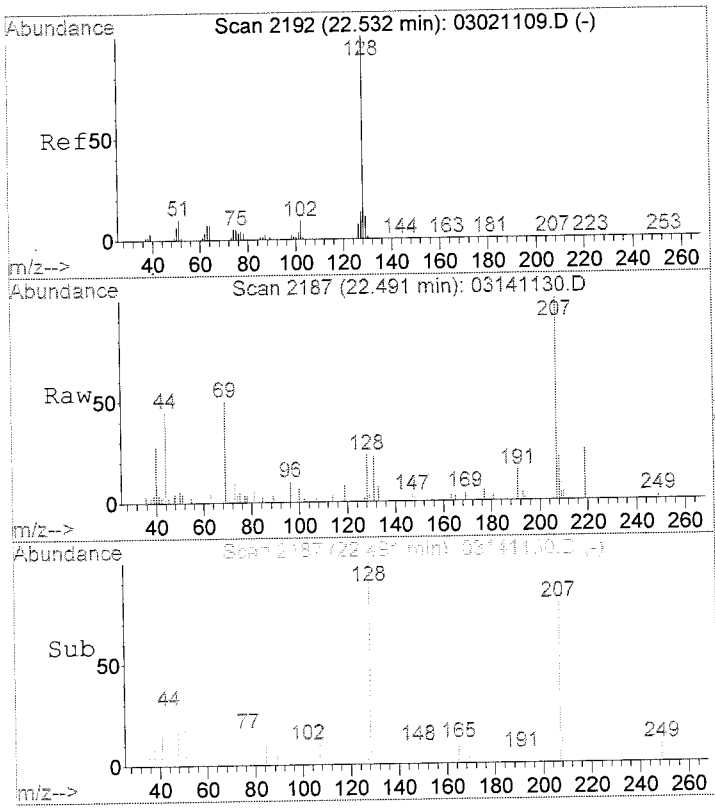


#80
1,2,4-Trichlorobenzene
Concen: 0.11 ug/L
RT: 22.16 min Scan# 2148
Delta R.T. 0.01 min
Lab File: 03141130.D
Acq: 14 Mar 2011 10:22 pm

Tgt Ion:180 Resp: 2250

Ion	Ratio	Lower	Upper
180	100		
182	104.1	76.7	115.1
145	32.1	20.7	31.1#

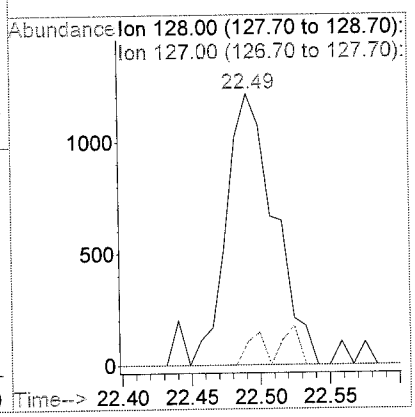


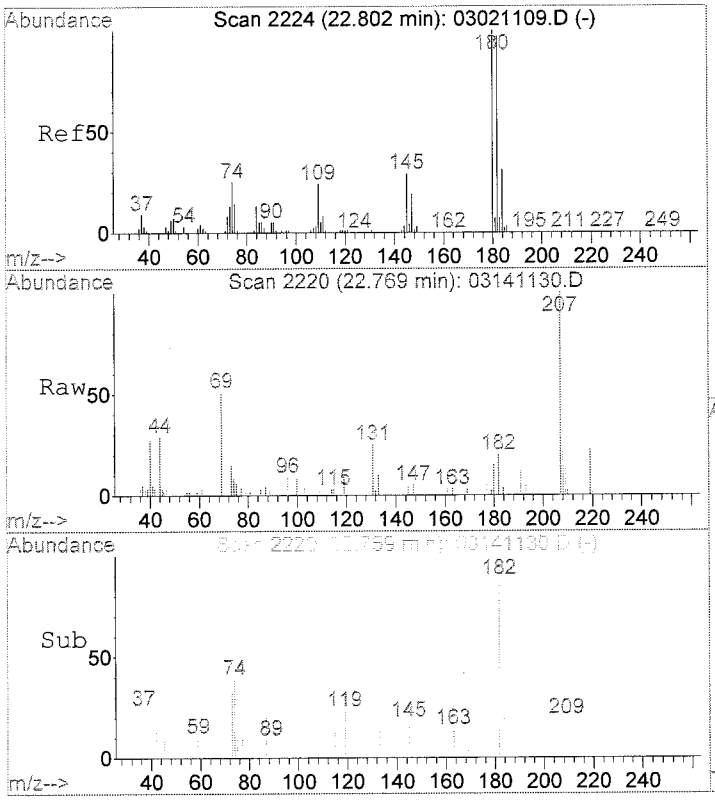


#81
Naphthalene
Concen: 0.12 ug/L
RT: 22.49 min Scan# 2187
Delta R.T. -0.01 min
Lab File: 03141130.D
Acq: 14 Mar 2011 10:22 pm

Tgt Ion:128 Resp: 2935

Ion	Ratio	Lower	Upper
128	100		
127	4.3	10.2	15.4#

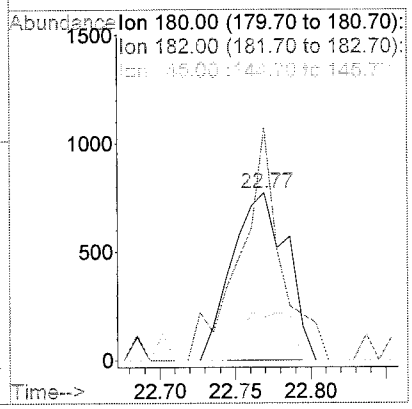




#83
1,2,3-Trichlorobenzene
Concen: 0.12 ug/L
RT: 22.77 min Scan# 2220
Delta R.T. 0.00 min
Lab File: 03141130.D
Acq: 14 Mar 2011 10:22 pm

Tgt Ion:180 Resp: 1951

Ion	Ratio	Lower	Upper
180	100		
182	103.7	78.2	117.2
145	25.2	22.6	34.0



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141133.D Vial: 13
Acq On : 15 Mar 2011 12:01 am Operator: NL
Sample : PUC0598-01 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 7:56 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	107046	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	637516	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	883719	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	775877	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.40	152	462454	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	355224	24.30 ug/L	0.00
Spiked Amount 25.000			Recovery =	97.20%	
46) Toluene-d8	13.99	98	967357	24.82 ug/L	0.00
Spiked Amount 25.000			Recovery =	99.28%	
60) 4-Bromofluorobenzene	17.62	95	469762	27.45 ug/L	0.00
Spiked Amount 25.000			Recovery =	109.80%	

Target Compounds					Qvalue
2) Ethanol	5.97	45	397	9.30 ug/L	74 NT
3) tert-Butanol (TBA)	7.42	59	109	Below Cal #	1 *
6) Chloromethane	4.80	50	4046	0.31 ug/L	74 ~~LRL~~ NSM
8) Bromomethane	5.66	94	623	0.88 ug/L #	66 NSM
11) Acetone	6.87	43	2182	0.69 ug/L #	80 ND
12) Iodomethane	7.46	142	217	1.80 ug/L #	27 NSM
16) Carbon disulfide	7.94	76	8998	0.22 ug/L # J	84 LRL
22) 2-Butanone (MEK)	9.23	72	133	0.16 ug/L #	1 ND
24) cis-1,2-dichloroethene	9.55	96	2257	0.12 ug/L	87
26) Chloroform	9.82	83	25361	0.75 ug/L	97
32) (TAME) tert-Amyl methy eth	11.60	73	12502	0.41 ug/L #	28 NT
39) Trichloroethene	12.14	95	17028	0.99 ug/L	96
40) Bromodichloromethane	12.21	83	2312	0.11 ug/L #	97 * ~~LRL~~ ND
41) 2-Chlorovinylethylether	12.77	63	793	0.17 ug/L # NT	68
50) 2-Hexanone	14.27	43	515	0.11 ug/L #	39
53) Tetrachloroethene	15.08	164	21985	1.62 ug/L	98
54) 1,1,1,2-Tetrachloroethane	15.82	131	1850	0.13 ug/L #	8 * ~~LRL~~ ND
59) o-Xylene	17.06	106	111	Below Cal #	1
79) 1,2-Dibromo-3-chloropropan	20.30	75	152	0.09 ug/L #	24

*

NL 3/15/11

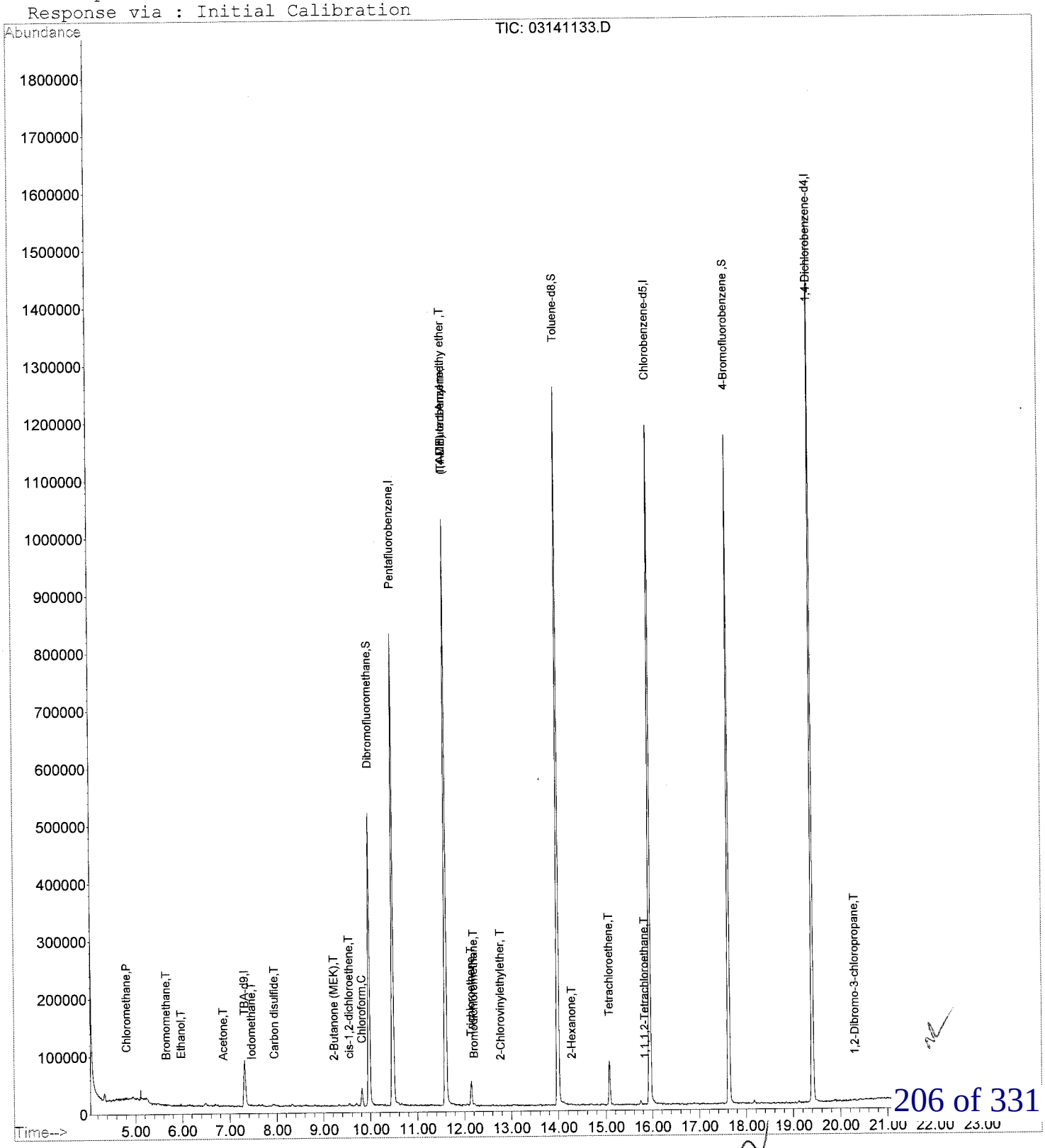
NL 3/16/11

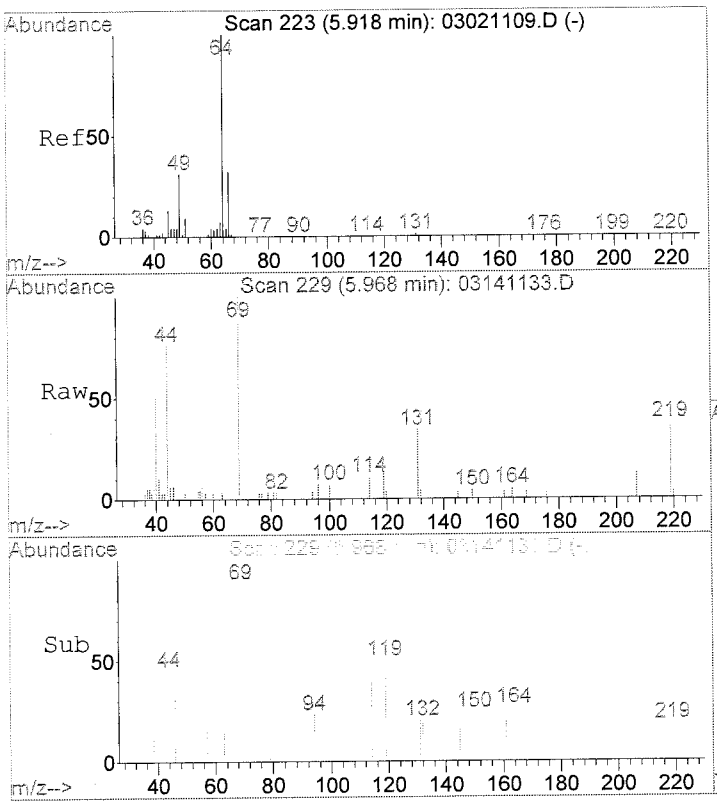
(#) = qualifier out of range (m) = manual integration
03141133.D 031411.M Tue Mar 15 14:45:55 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141133.D Vial: 13
Acq On : 15 Mar 2011 12:01 am Operator: NL
Sample : PUC0598-01 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 7:56 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration

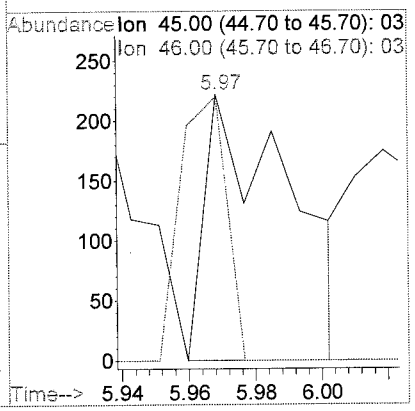


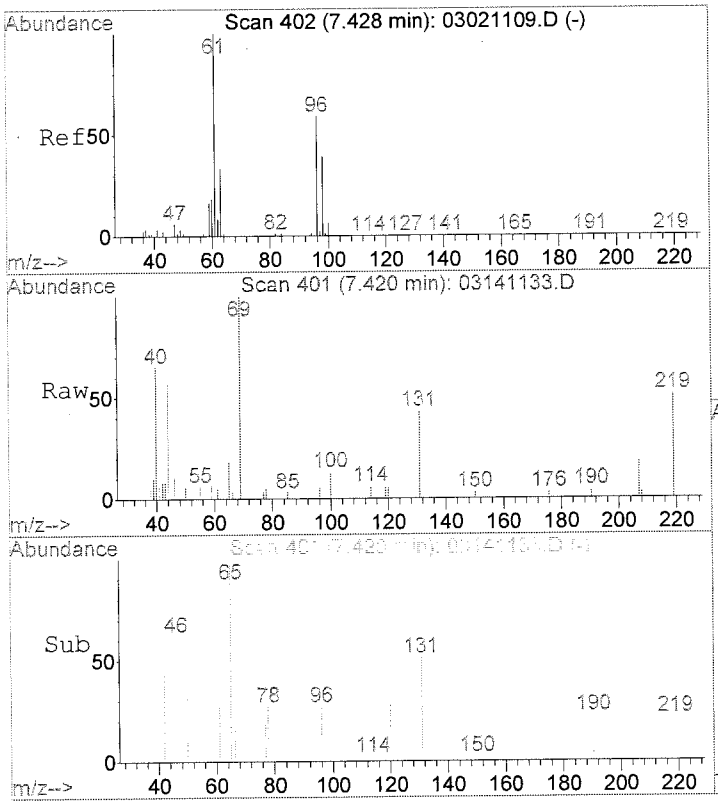


#2
Ethanol
Concen: 9.30 ug/L
RT: 5.97 min Scan# 229
Delta R.T. 0.07 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion: 45 Resp: 397

Ion	Ratio	Lower	Upper
45	100		
46	53.1	17.5	57.5

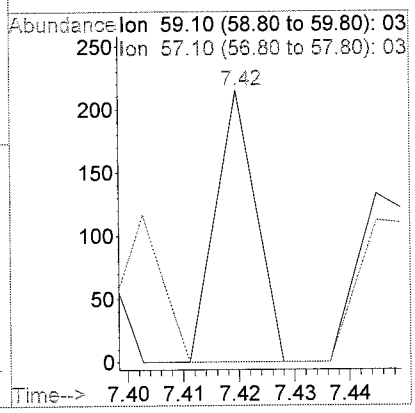


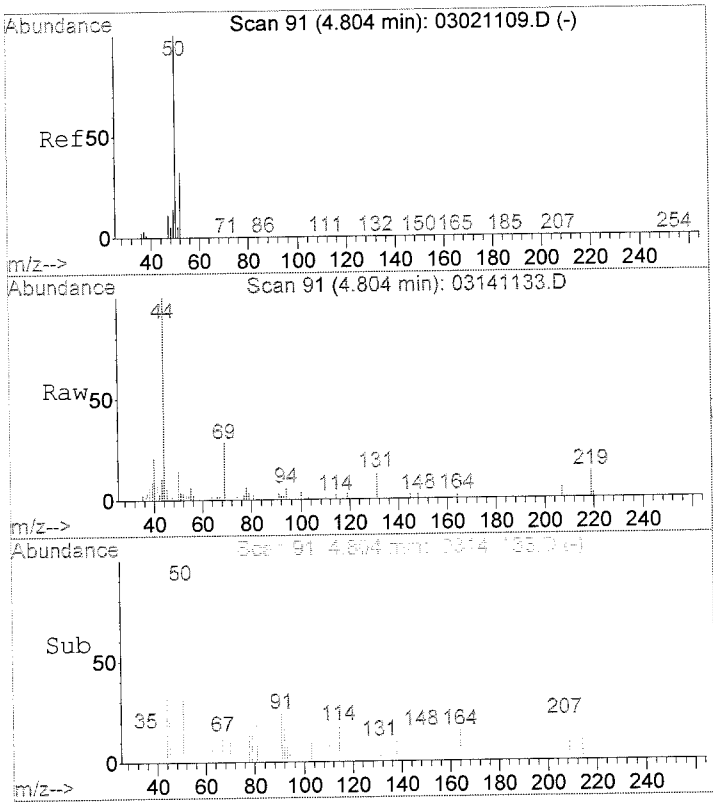


#3
tert-Butanol (TBA)
Concen: Below Cal
RT: 7.42 min Scan# 401
Delta R.T. 0.00 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion: 59 Resp: 109

Ion	Ratio	Lower	Upper
59	100		
57	106.4	5.0	7.6#

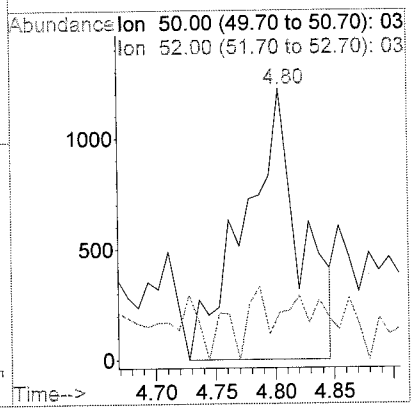




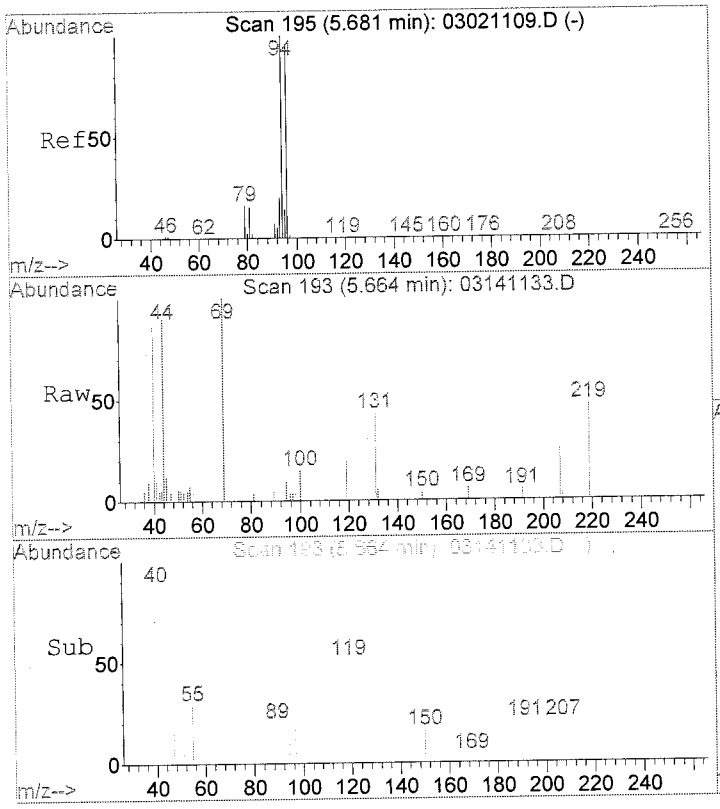
#6
Chloromethane
Concen: 0.31 ug/L
RT: 4.80 min Scan# 91
Delta R.T. 0.03 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion: 50 Resp: 4046

Ion	Ratio	Lower	Upper
50	100		
52	18.6	13.2	53.2



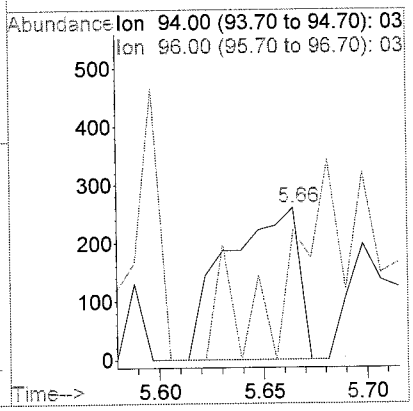
NSM



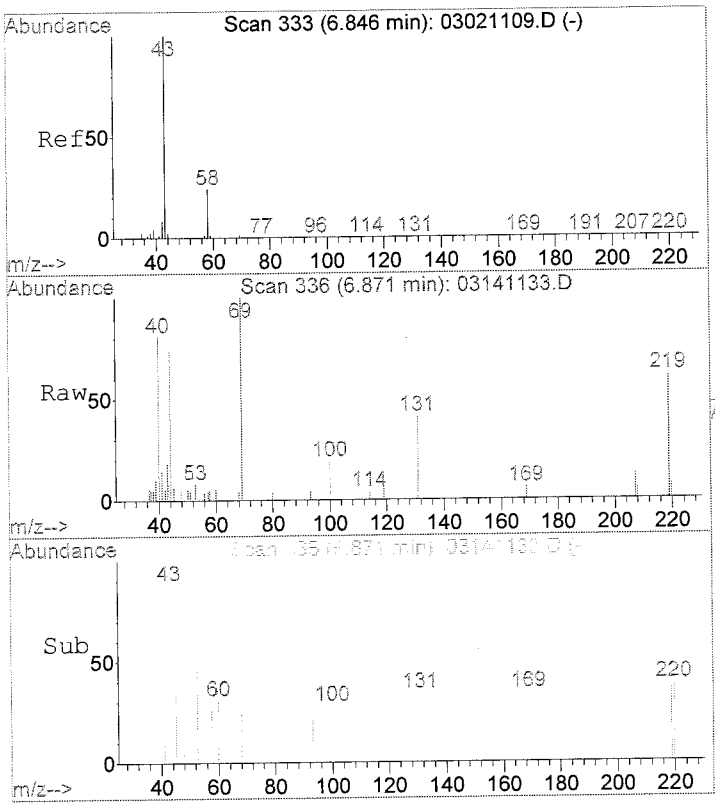
#8
Bromomethane
Concen: 0.88 ug/L
RT: 5.66 min Scan# 193
Delta R.T. 0.00 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion: 94 Resp: 623

Ion	Ratio	Lower	Upper
94	100		
96	133.1	79.5	119.3#



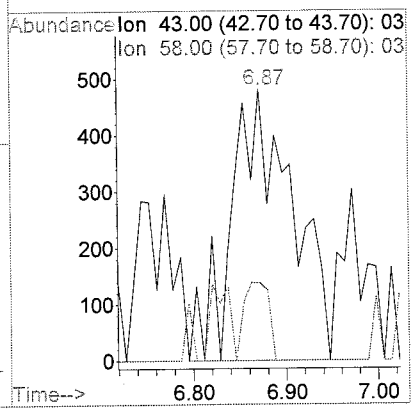
NSM

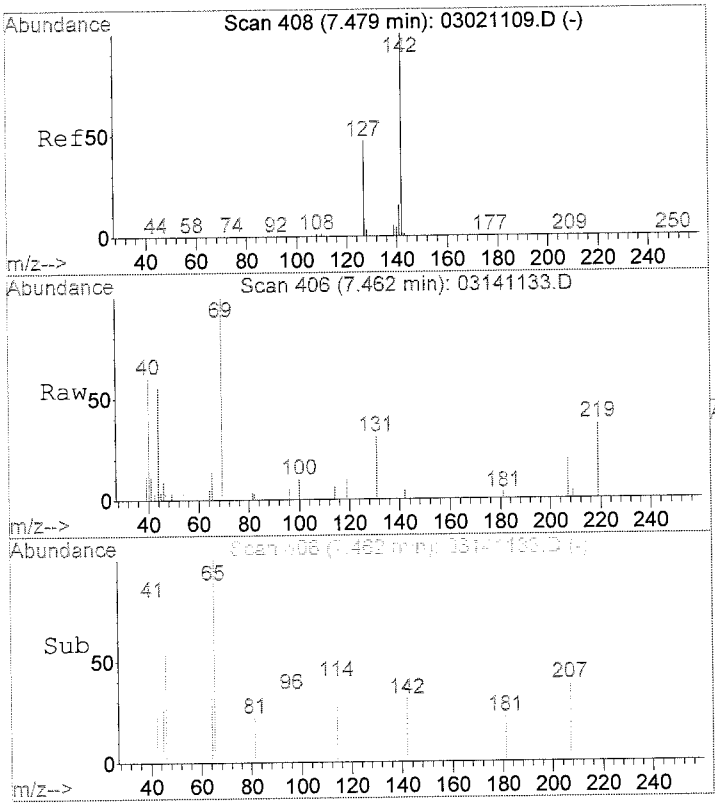


#11
Acetone
Concen: 0.69 ug/L
RT: 6.87 min Scan# 336
Delta R.T. 0.04 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion: 43 Resp: 2182

Ion	Ratio	Lower	Upper
43	100		
58	11.8	17.0	25.6#

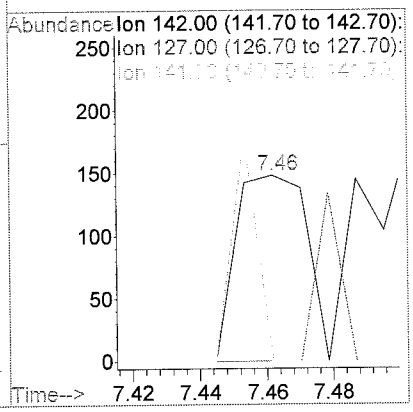


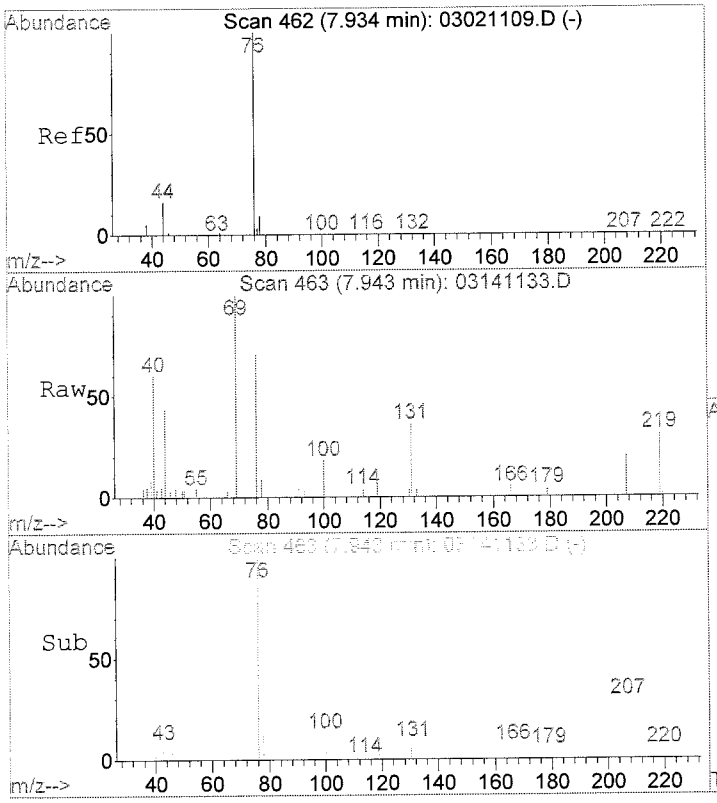


#12
Iodomethane
Concen: 1.80 ug/L
RT: 7.46 min Scan# 406
Delta R.T. 0.00 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion:142 Resp: 217

Ion	Ratio	Lower	Upper
142	100		
127	0.0	44.9	67.3#
141	41.5	13.1	19.7#

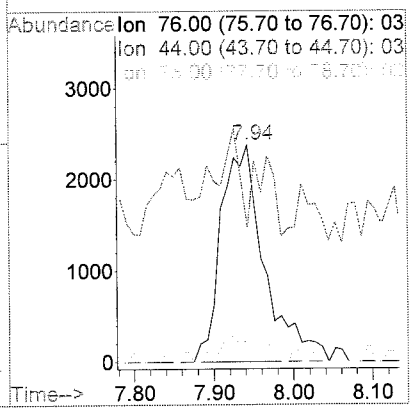


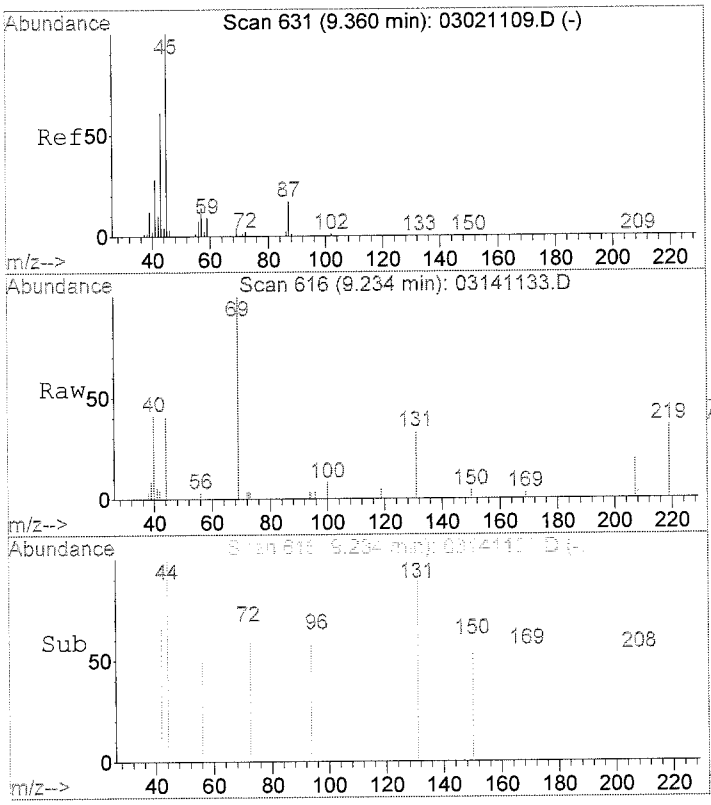


#16
Carbon disulfide
Concen: 0.22 ug/L
RT: 7.94 min Scan# 463
Delta R.T. 0.02 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion: 76 Resp: 8998

Ion	Ratio	Lower	Upper
76	100		
44	13.8	15.0	22.4#
78	0.0	7.2	10.8#

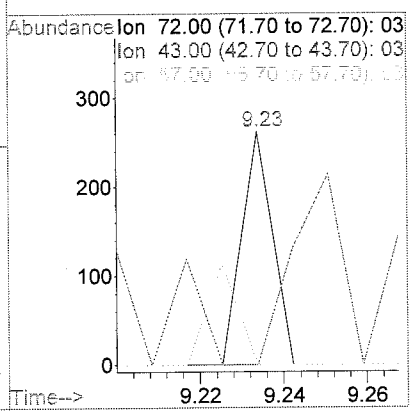


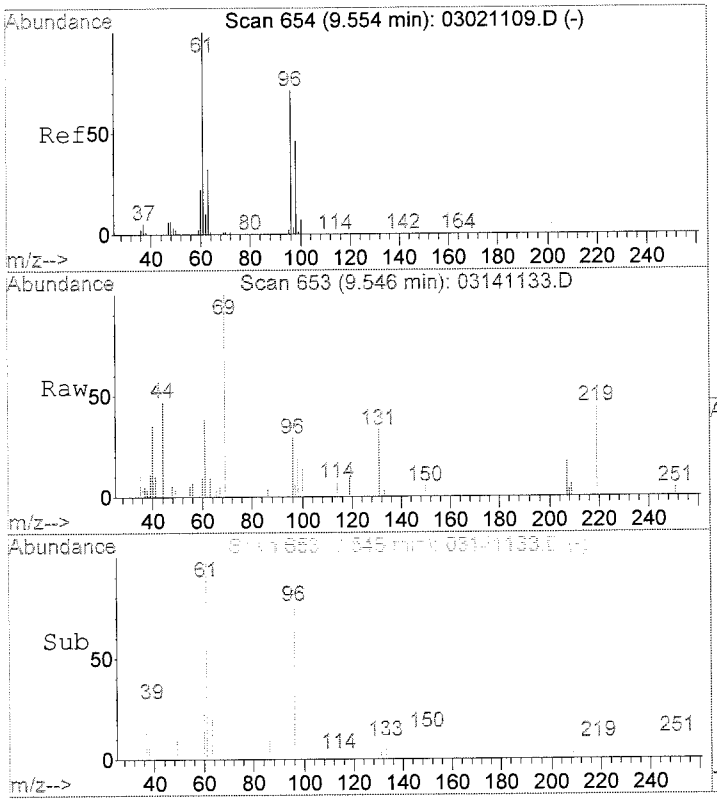


#22
2-Butanone (MEK)
Concen: 0.16 ug/L
RT: 9.23 min Scan# 616
Delta R.T. -0.11 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion: 72 Resp: 133

Ion	Ratio	Lower	Upper
72	100		
43	0.0	4526.1	6789.1#
57	42.9	0.0	0.0#

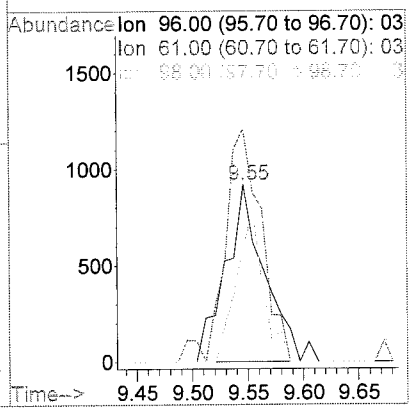


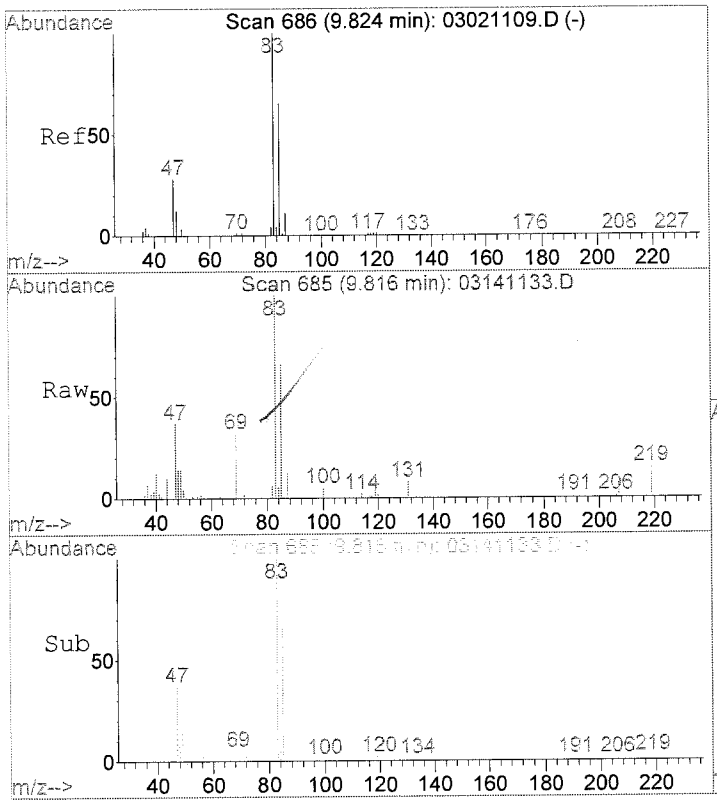


#24
cis-1,2-dichloroethene
Concen: 0.12 ug/L
RT: 9.55 min Scan# 653
Delta R.T. 0.00 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion: 96 Resp: 2257

Ion	Ratio	Lower	Upper
96	100		
61	123.3	114.5	171.7
98	58.7	50.8	76.2

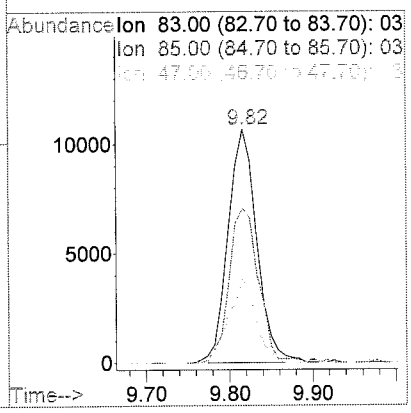


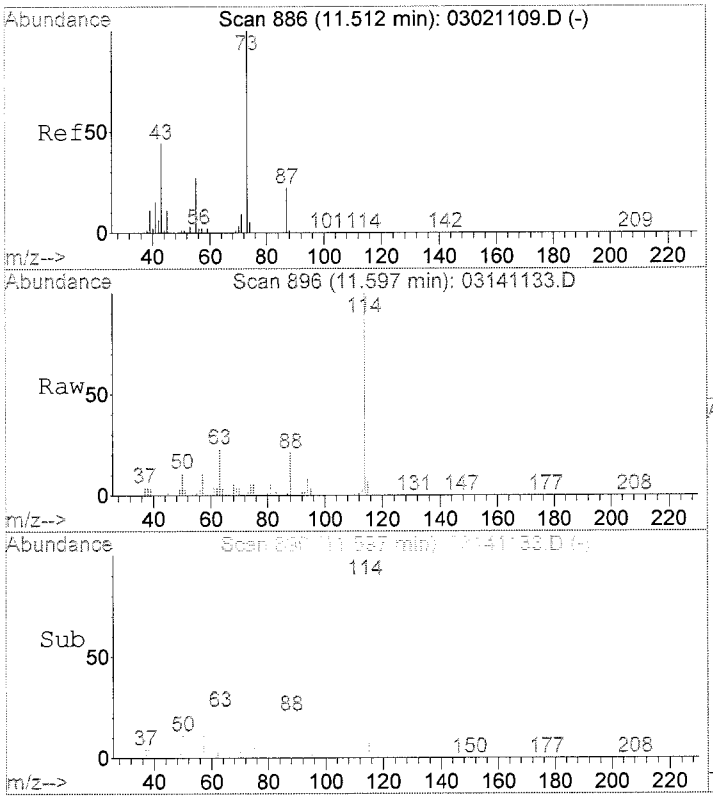


#26
Chloroform
Concen: 0.75 ug/L
RT: 9.82 min Scan# 685
Delta R.T. 0.00 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion: 83 Resp: 25361

Ion	Ratio	Lower	Upper
83	100		
85	67.4	52.4	78.6
47	34.0	25.3	37.9

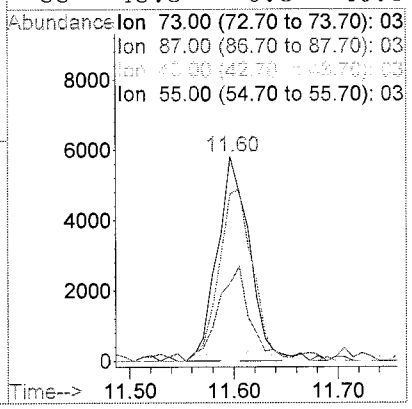


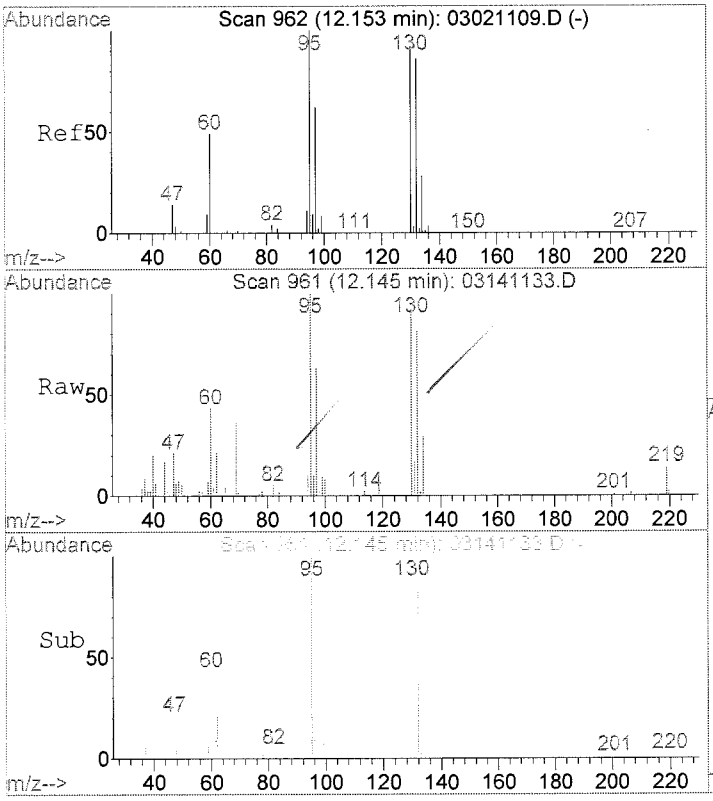


#32
(TAME) tert-Amyl methy ether
Concen: 0.41 ug/L
RT: 11.60 min Scan# 896
Delta R.T. 0.09 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion: 73 Resp: 12502

Ion	Ratio	Lower	Upper
73	100		
87	87.9	4.2	44.2#
43	2.3	26.6	66.6#
55	45.3	8.3	48.3

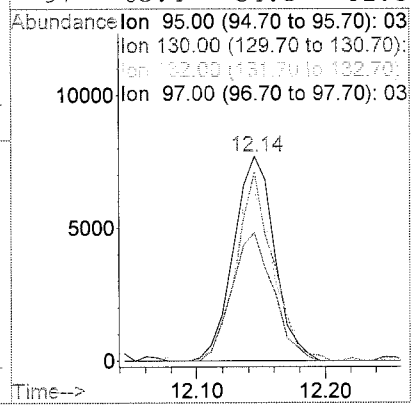


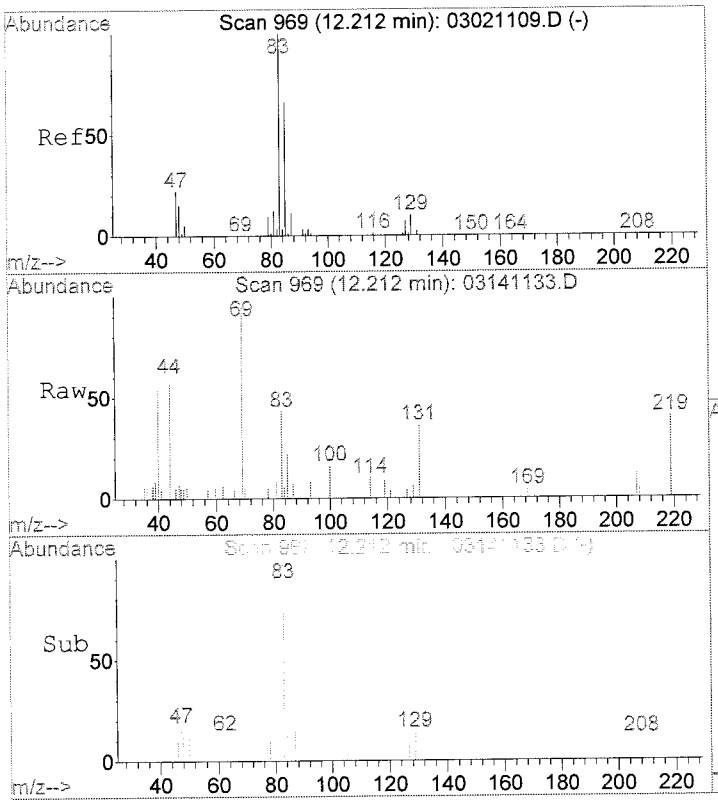


#39
Trichloroethene
Concen: 0.99 ug/L
RT: 12.14 min Scan# 961
Delta R.T. 0.00 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion: 95 Resp: 17028

Ion	Ratio	Lower	Upper
95	100		
130	83.8	70.3	105.5
132	82.8	68.5	102.7
97	63.4	54.3	81.5

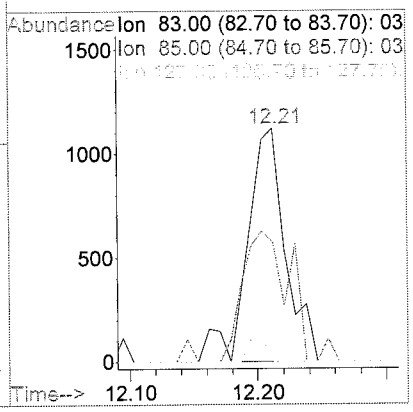


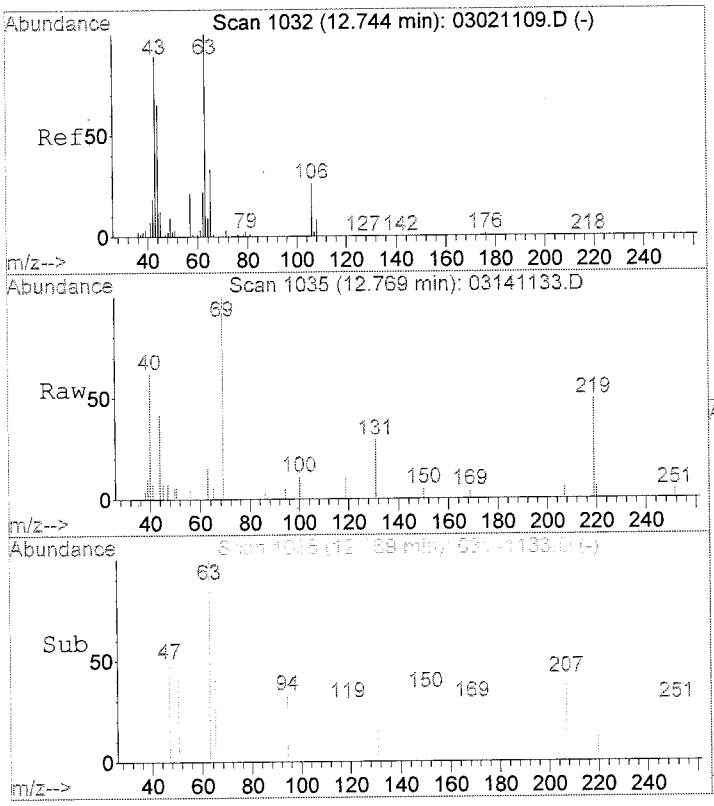


#40
Bromodichloromethane
Concen: 0.11 ug/L
RT: 12.21 min Scan# 969
Delta R.T. 0.01 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion: 83 Resp: 2312

Ion	Ratio	Lower	Upper
83	100		
85	67.3	52.3	78.5
127	5.0	6.5	9.7#

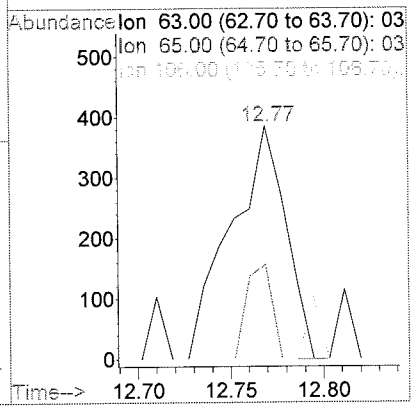


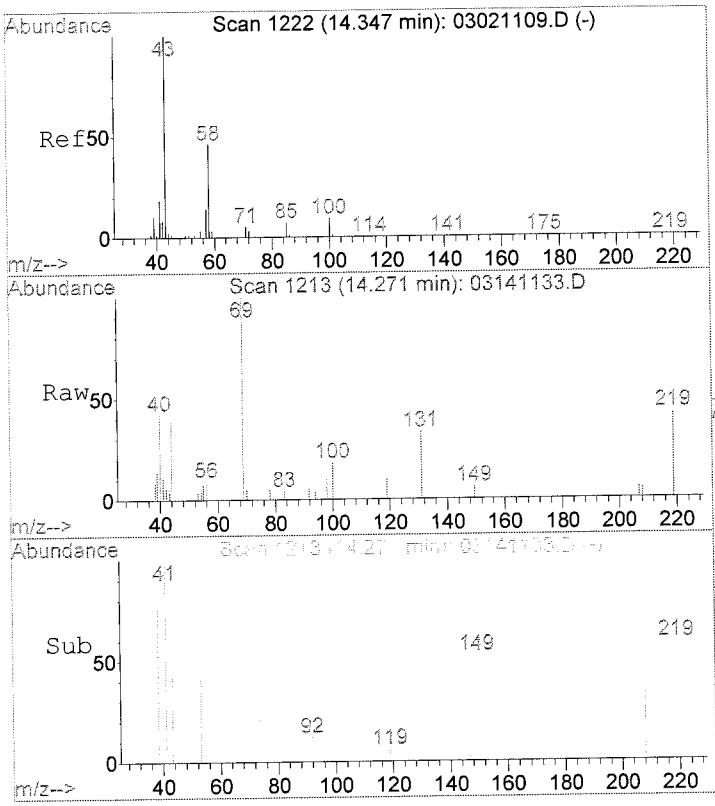


#41
2-Chlorovinylethylether
Concen: 0.17 ug/L
RT: 12.77 min Scan# 1035
Delta R.T. 0.04 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion: 63 Resp: 793

Ion	Ratio	Lower	Upper
63	100		
65	18.7	25.5	38.3#
106	6.6	23.0	34.6#

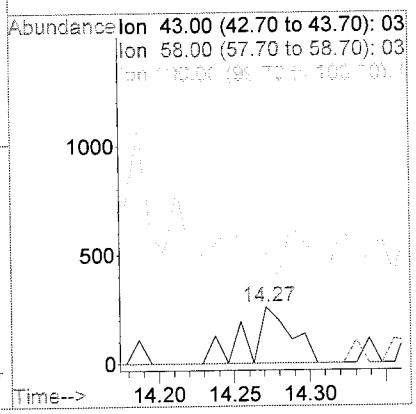


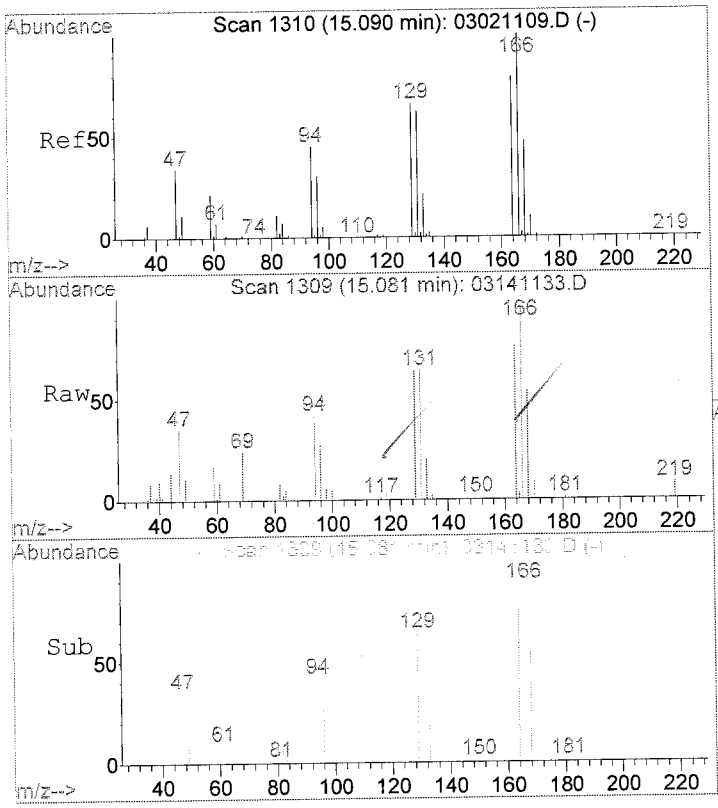


#50
2-Hexanone
Concen: 0.11 ug/L
RT: 14.27 min Scan# 1213
Delta R.T. -0.06 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion: 43 Resp: 515

Ion	Ratio	Lower	Upper
43	100		
58	0.0	35.7	53.5#
100	0.0	7.8	11.6#

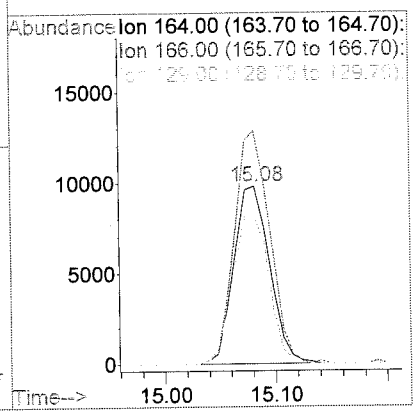


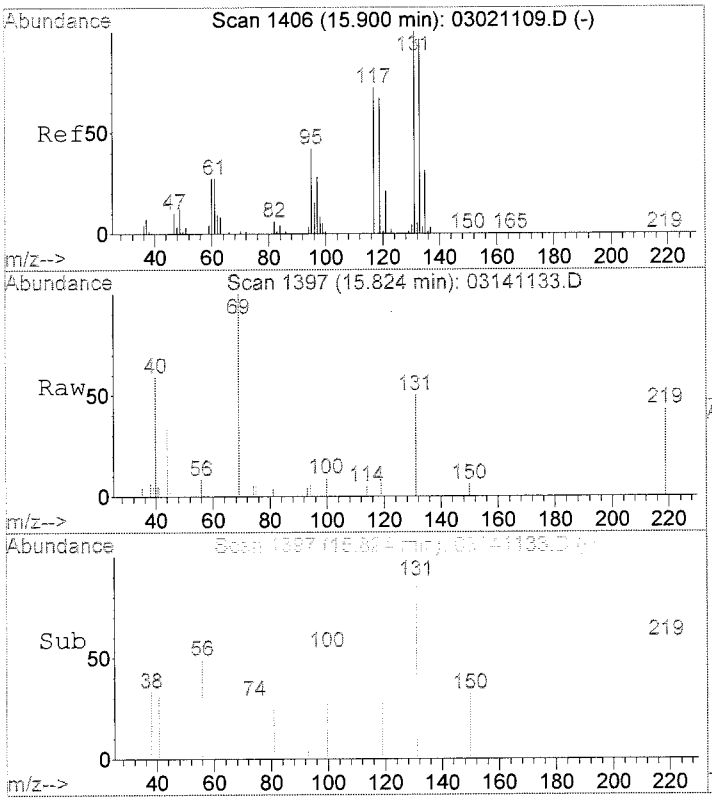


#53
Tetrachloroethene
Concen: 1.62 ug/L
RT: 15.08 min Scan# 1309
Delta R.T. 0.00 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion:164 Resp: 21985

Ion	Ratio	Lower	Upper
164	100		
166	129.1	104.6	157.0
129	84.3	65.2	97.8

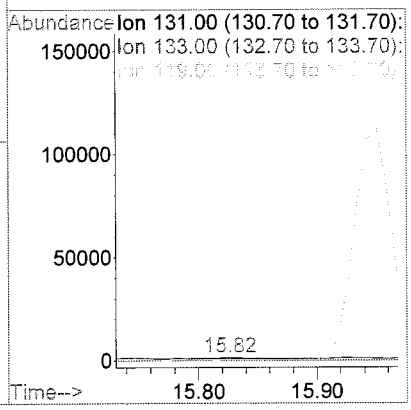


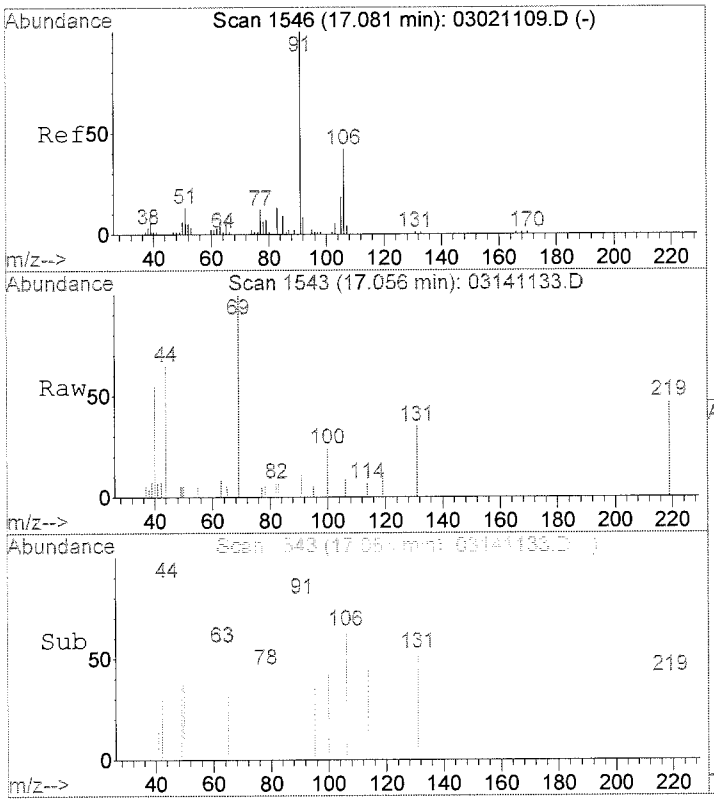


#54
1,1,1,2-Tetrachloroethane
Concen: 0.13 ug/L
RT: 15.82 min Scan# 1397
Delta R.T. -0.06 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion:131 Resp: 1850

Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.7	116.5#
119	0.0	53.0	79.4#

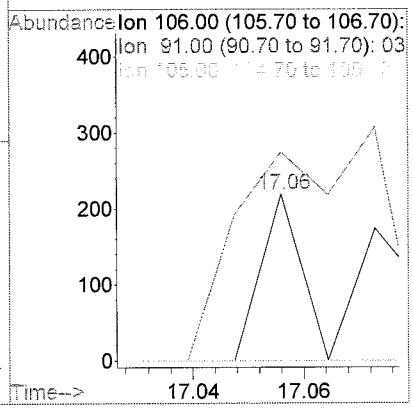


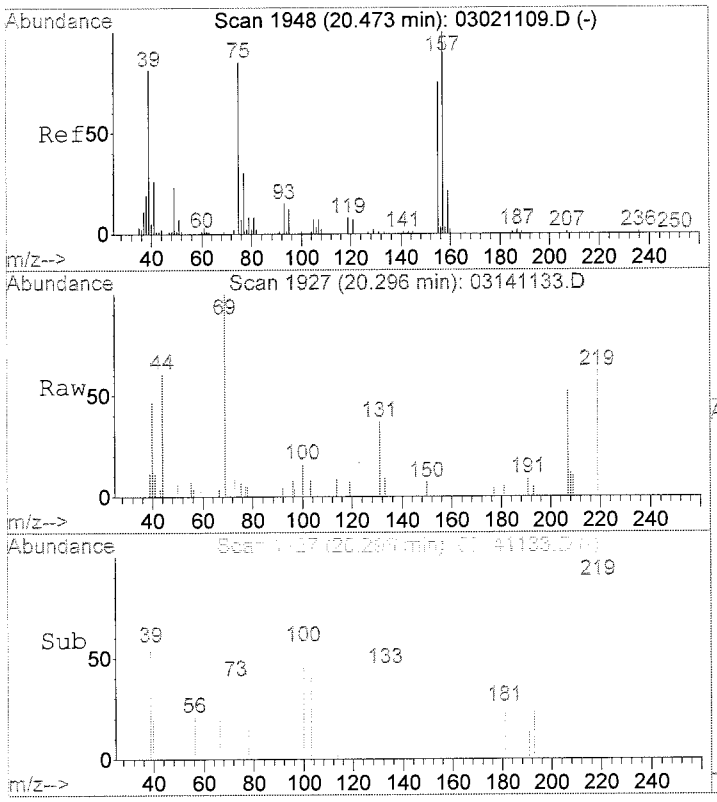


#59
o-Xylene
Concen: Below Cal
RT: 17.06 min Scan# 1543
Delta R.T. -0.01 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion:106 Resp: 111

Ion	Ratio	Lower	Upper
106	100		
91	0.0	222.7	262.7#
105	0.0	22.9	62.9#

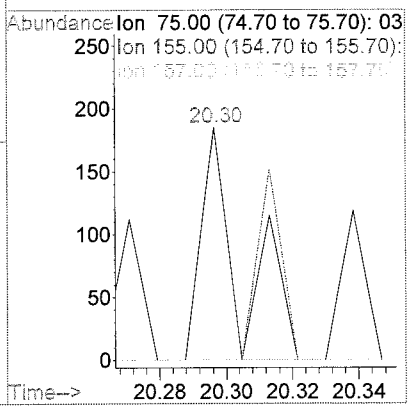




#79
1,2-Dibromo-3-chloropropane
Concen: 0.09 ug/L
RT: 20.30 min Scan# 1927
Delta R.T. -0.15 min
Lab File: 03141133.D
Acq: 15 Mar 2011 12:01 am

Tgt Ion: 75 Resp: 152

Ion	Ratio	Lower	Upper
75	100		
155	50.7	67.3	100.9#
157	0.0	89.6	134.4#



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141139.D Vial: 19
Acq On : 15 Mar 2011 3:18 am Operator: NL
Sample : PUC0526-01 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 7:58 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	99777	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	598433	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.61	114	795130	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	727964	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	426665	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	314358	22.91 ug/L	0.00
Spiked Amount 25.000			Recovery	= 91.64%	
46) Toluene-d8	13.99	98	851856	24.29 ug/L	0.00
Spiked Amount 25.000			Recovery	= 97.16%	
60) 4-Bromofluorobenzene	17.62	95	430328	26.80 ug/L	0.00
Spiked Amount 25.000			Recovery	= 107.20%	

Target Compounds					Qvalue	
2) Ethanol	5.91	45	951	23.91 ug/L	72	NT
3) tert-Butanol (TBA)	7.41	59	482	Below Cal #	79	L
8) Bromomethane	5.67	94	563	0.88 ug/L #	71	NSM
10) Trichlorofluoromethane	6.67	101	6814	0.25 ug/L	88	<RL
11) Acetone	6.84	43	942	0.32 ug/L #	53	L
12) Iodomethane	7.45	142	60	1.79 ug/L #	32	NSM
13) 1,1-Dichloroethene	7.40	96	5334	0.38 ug/L	92	<RL
15) Freon 113	7.67	101	9030	0.51 ug/L	98	L
16) Carbon disulfide	7.93	76	7906	0.20 ug/L #	67	L
19) 1,1-Dichloroethane	8.80	63	2701	0.09 ug/L #	71	L
22) 2-Butanone (MEK)	9.21	72	73	0.09 ug/L #	1	L
26) Chloroform	9.82	83	20470	0.65 ug/L	99	
32) (TAME) tert-Amyl methy eth	11.60	73	12561	0.44 ug/L #	40	
39) Trichloroethene	12.15	95	8266	0.54 ug/L	93	
45) 1,1,2-Trichloroethane	14.01	97	8593	1.03 ug/L #	1	NRT
49) 1,3-Dichloropropane	13.99	76	12120	0.85 ug/L #	74	L
53) Tetrachloroethene	15.08	164	2604	0.21 ug/L	94	<RL
59) o-Xylene	16.90	106	123	Below Cal #	1	ND

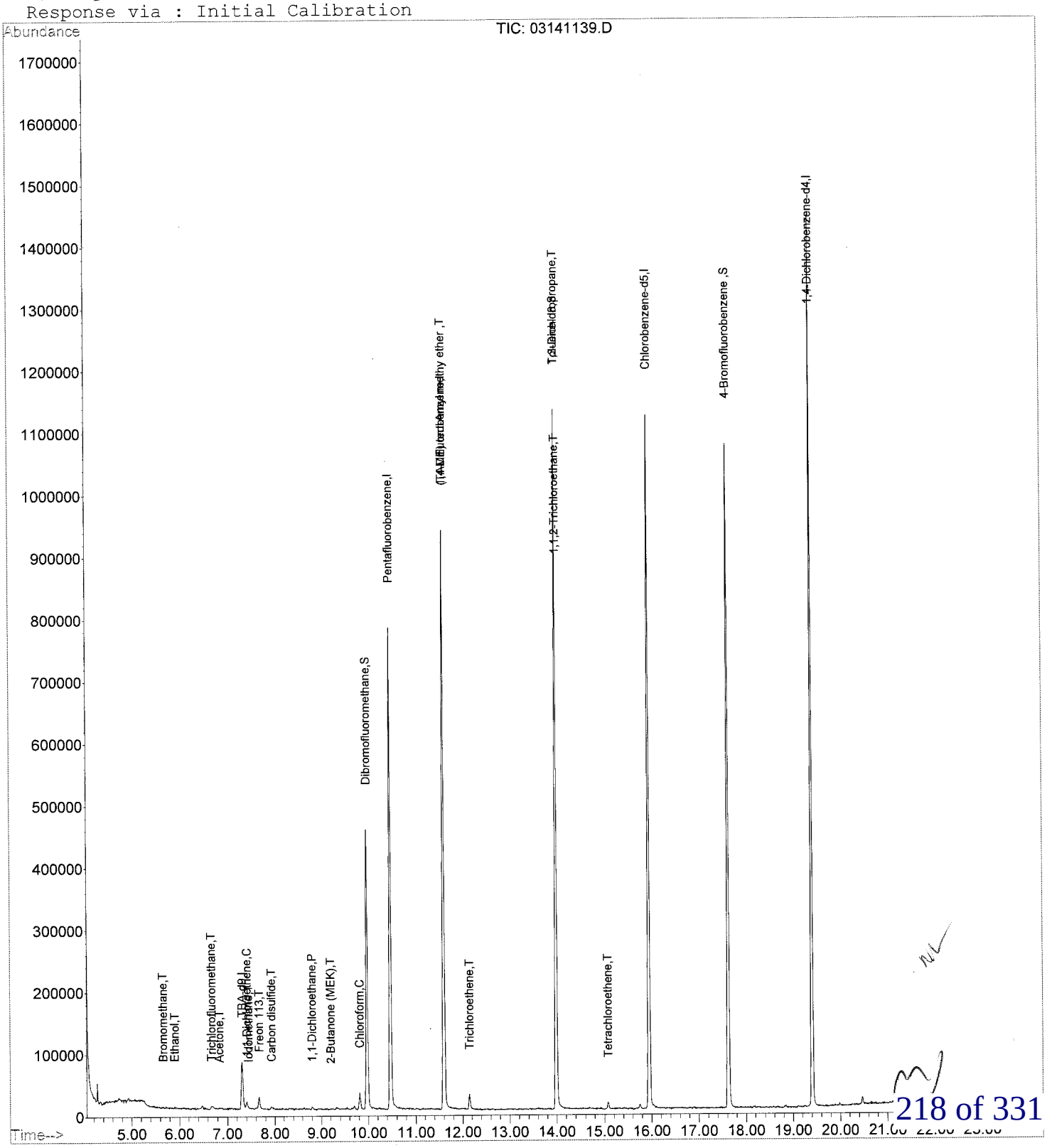
NL 3/15/11

(#) = qualifier out of range (m) = manual integration
03141139.D 031411.M Tue Mar 15 14:48:19 2011

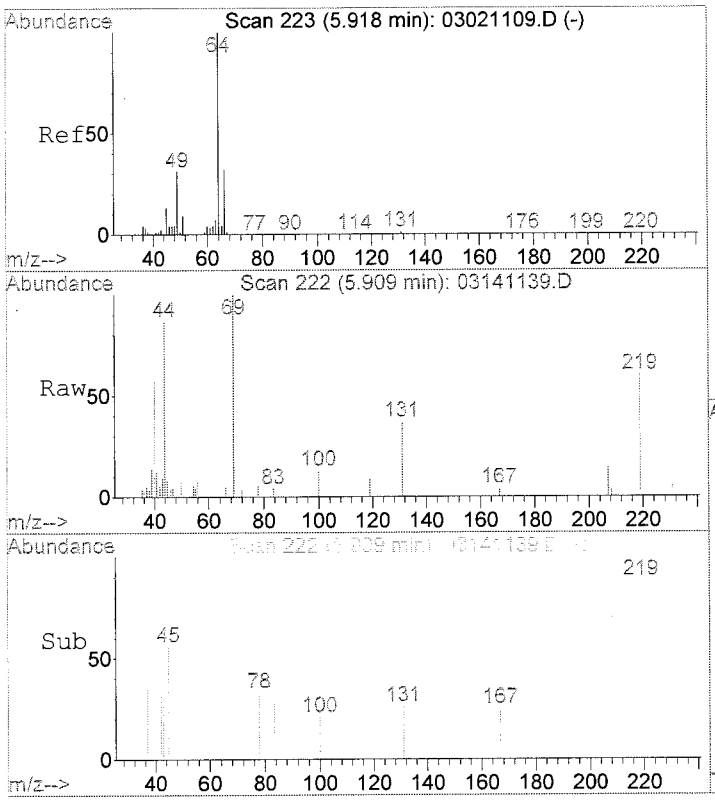
Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141139.D Vial: 19
Acq On : 15 Mar 2011 3:18 am Operator: NL
Sample : PUC0526-01 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 7:58 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



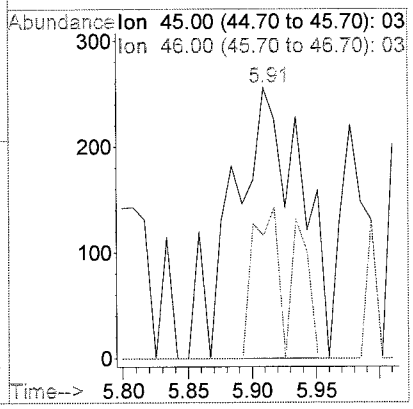
03141139.D 031411.M Tue Mar 15 14:48:20 2011 Page 2

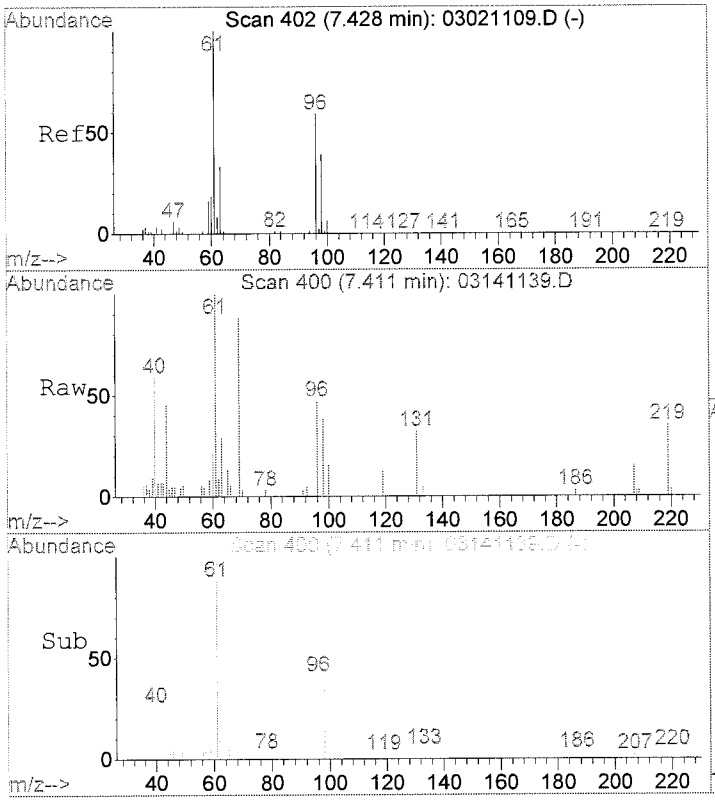


#2
Ethanol
Concen: 23.91 ug/L
RT: 5.91 min Scan# 222
Delta R.T. 0.01 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion: 45 Resp: 951

Ion	Ratio	Lower	Upper
45	100		
46	20.5	17.5	57.5

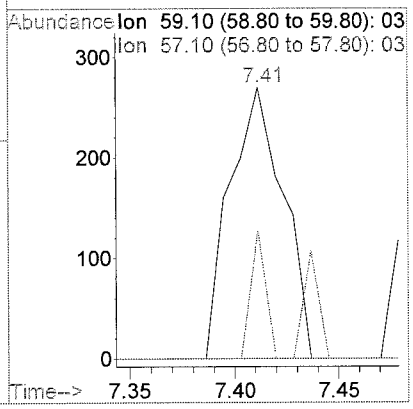


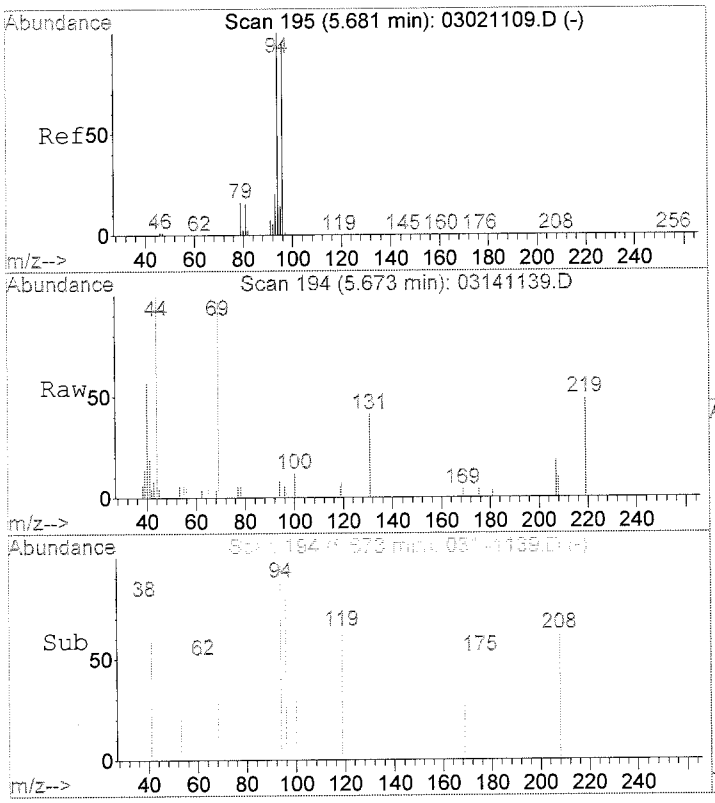


#3
tert-Butanol (TBA)
Concen: Below Cal
RT: 7.41 min Scan# 400
Delta R.T. -0.01 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion: 59 Resp: 482

Ion	Ratio	Lower	Upper
59	100		
57	13.5	5.0	7.6#

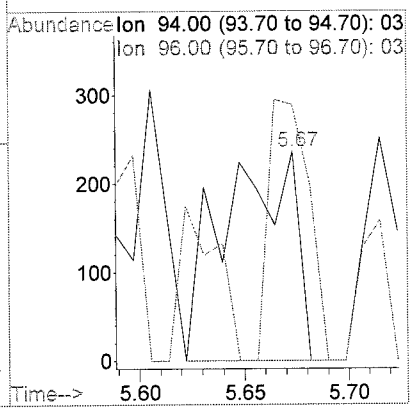




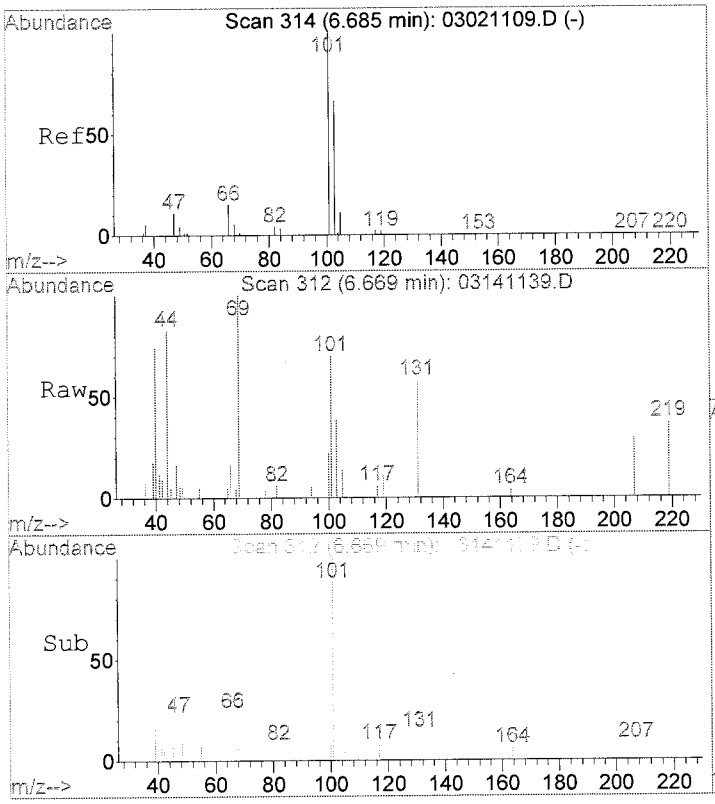
#8
Bromomethane
Concen: 0.88 ug/L
RT: 5.67 min Scan# 194
Delta R.T. 0.01 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion: 94 Resp: 563

Ion	Ratio	Lower	Upper
94	100		
96	70.2	79.5	119.3#



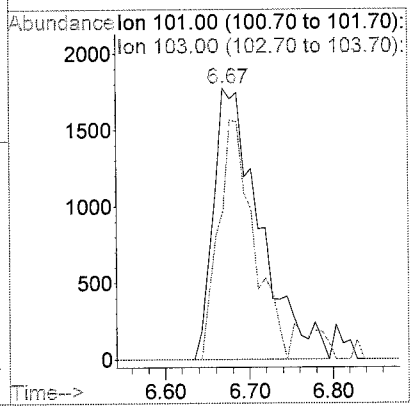
NSM



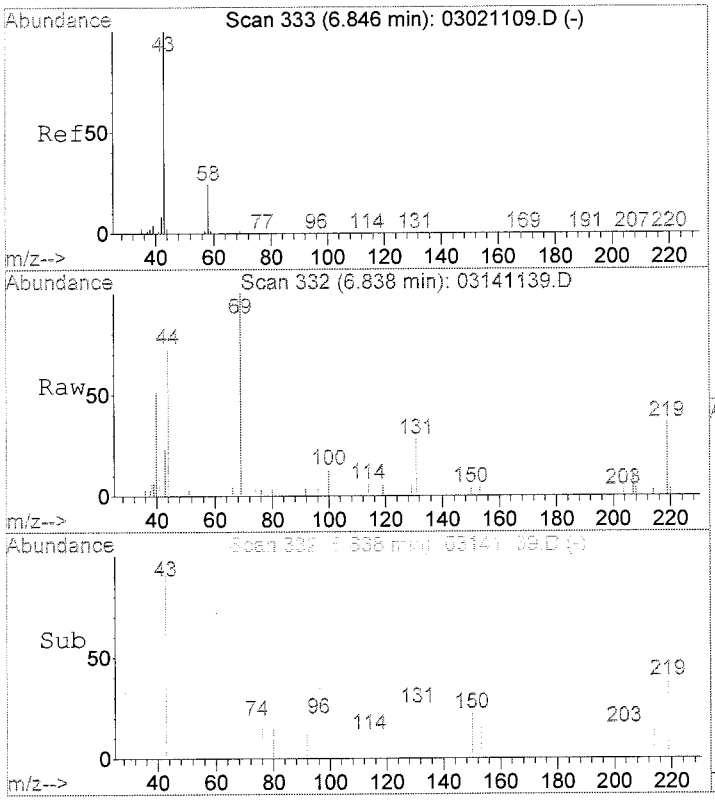
#10
Trichlorofluoromethane
Concen: 0.25 ug/L
RT: 6.67 min Scan# 312
Delta R.T. -0.01 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion:101 Resp: 6814

Ion	Ratio	Lower	Upper
101	100		
103	54.9	51.5	77.3



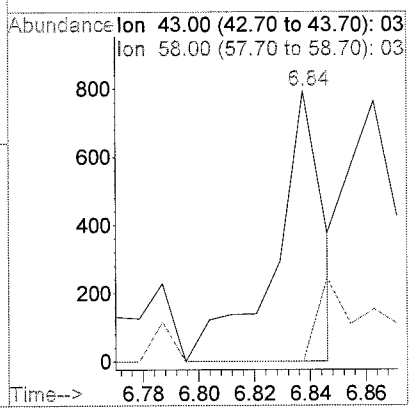
NL

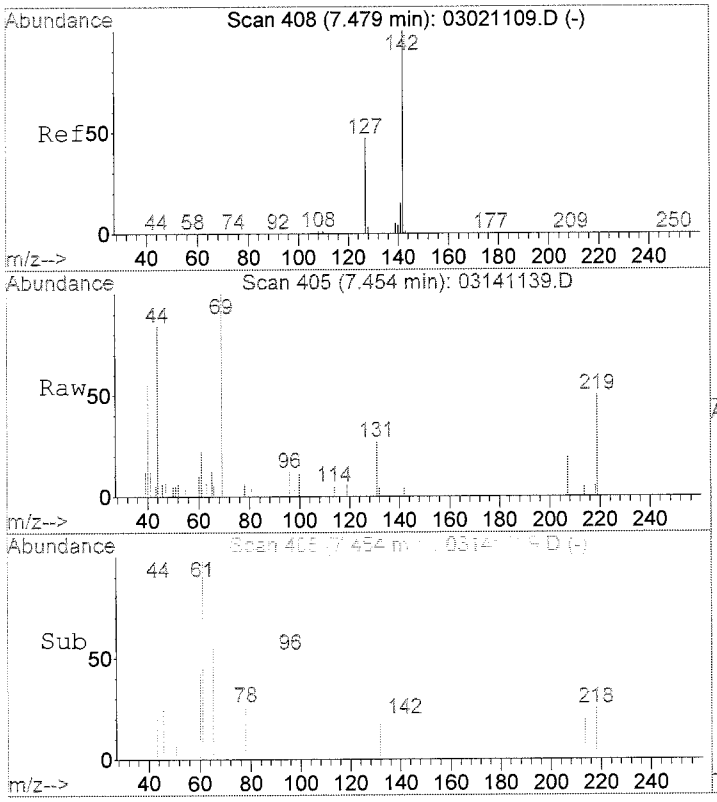


#11
Acetone
Concen: 0.32 ug/L
RT: 6.84 min Scan# 332
Delta R.T. 0.01 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion: 43 Resp: 942

Ion	Ratio	Lower	Upper
43	100		
58	43.6	17.0	25.6#

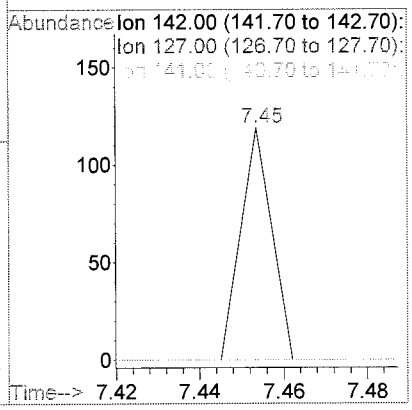


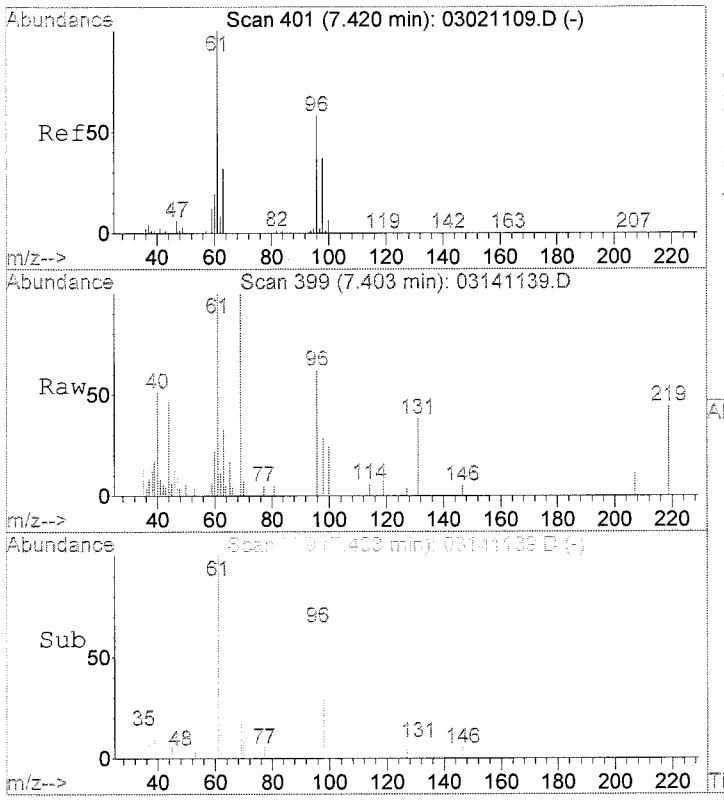


#12
Iodomethane
Concen: 1.79 ug/L
RT: 7.45 min Scan# 405
Delta R.T. -0.01 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion:142 Resp: 60

Ion	Ratio	Lower	Upper
142	100		
127	0.0	44.9	67.3#
141	0.0	13.1	19.7#

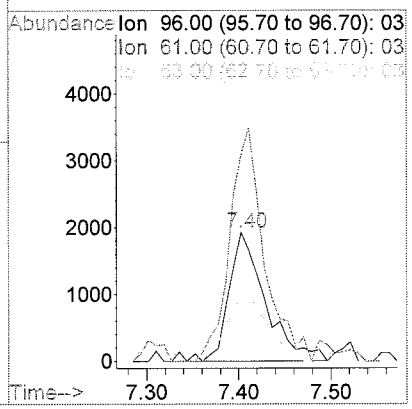


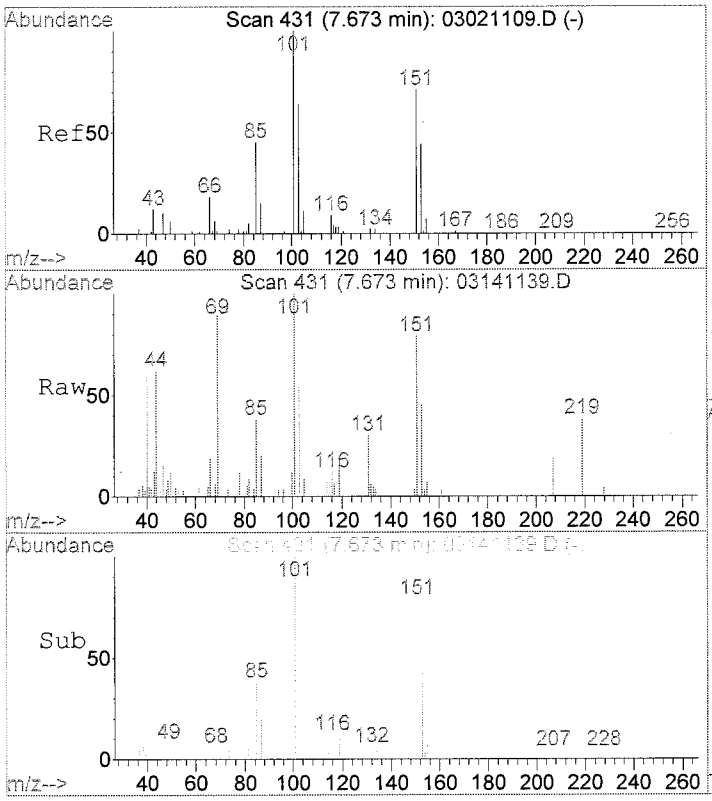


#13
1,1-Dichloroethene
Concen: 0.38 ug/L
RT: 7.40 min Scan# 399
Delta R.T. -0.01 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion: 96 Resp: 5334

Ion	Ratio	Lower	Upper
96	100		
61	170.5	147.6	221.4
63	59.4	47.0	70.4

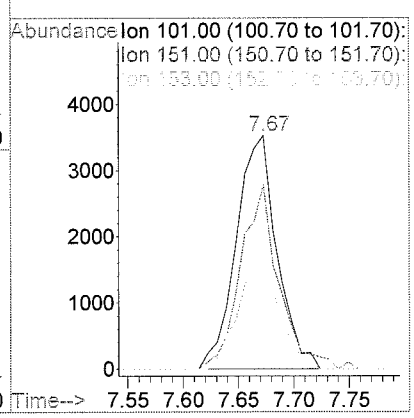


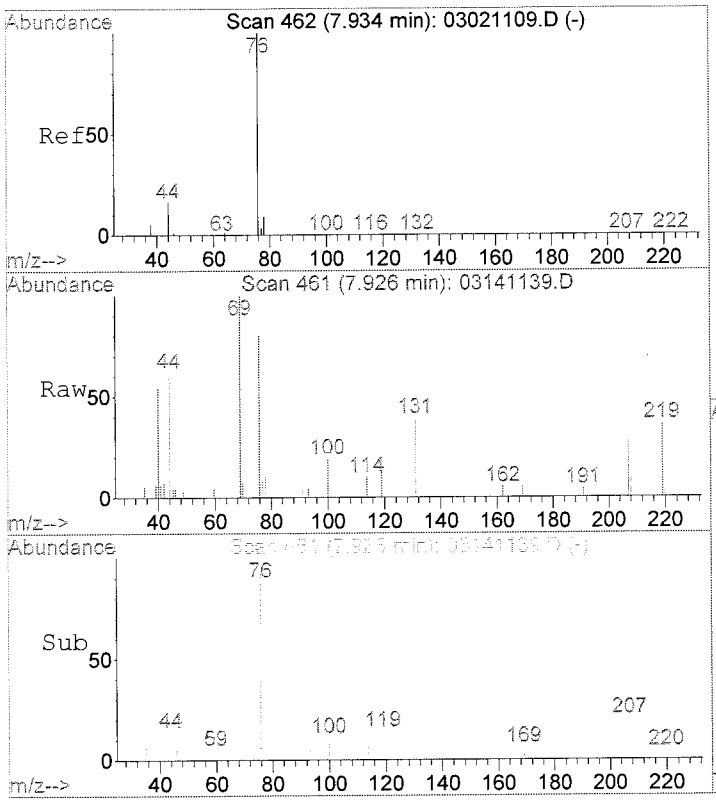


#15
Freon 113
Concen: 0.51 ug/L
RT: 7.67 min Scan# 431
Delta R.T. 0.01 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion:101 Resp: 9030

Ion	Ratio	Lower	Upper
101	100		
151	74.2	60.3	90.5
153	46.5	38.1	57.1

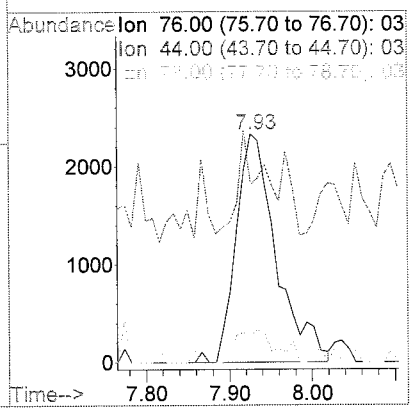


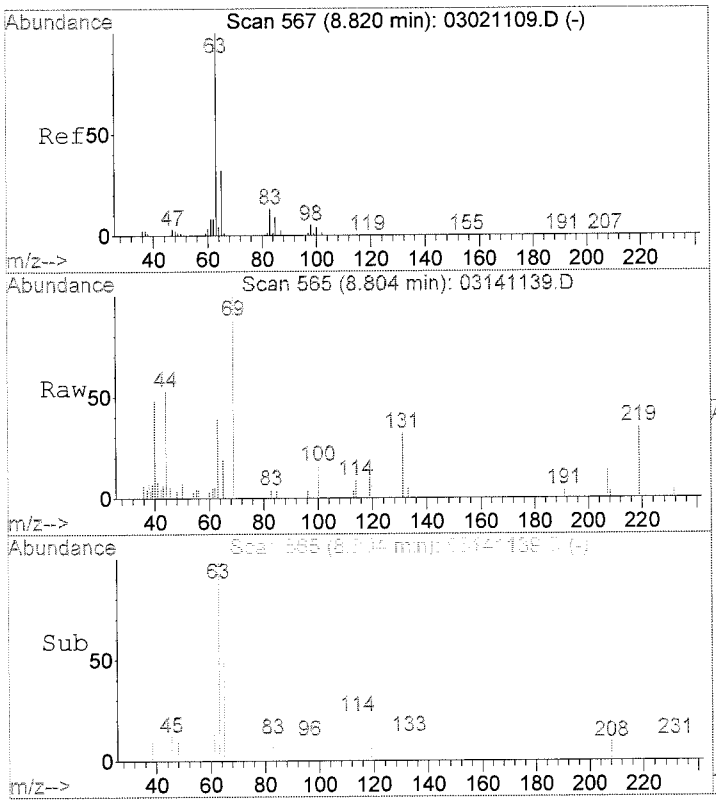


#16
Carbon disulfide
Concen: 0.20 ug/L
RT: 7.93 min Scan# 461
Delta R.T. 0.00 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion: 76 Resp: 7906

Ion	Ratio	Lower	Upper
76	100		
44	37.4	15.0	22.4#
78	13.9	7.2	10.8#

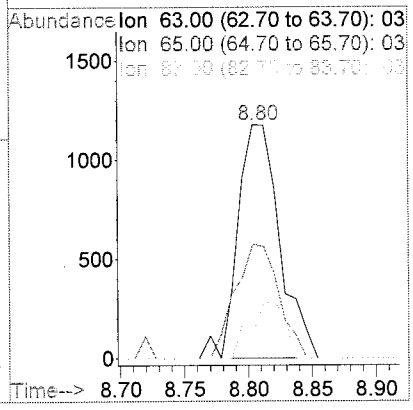


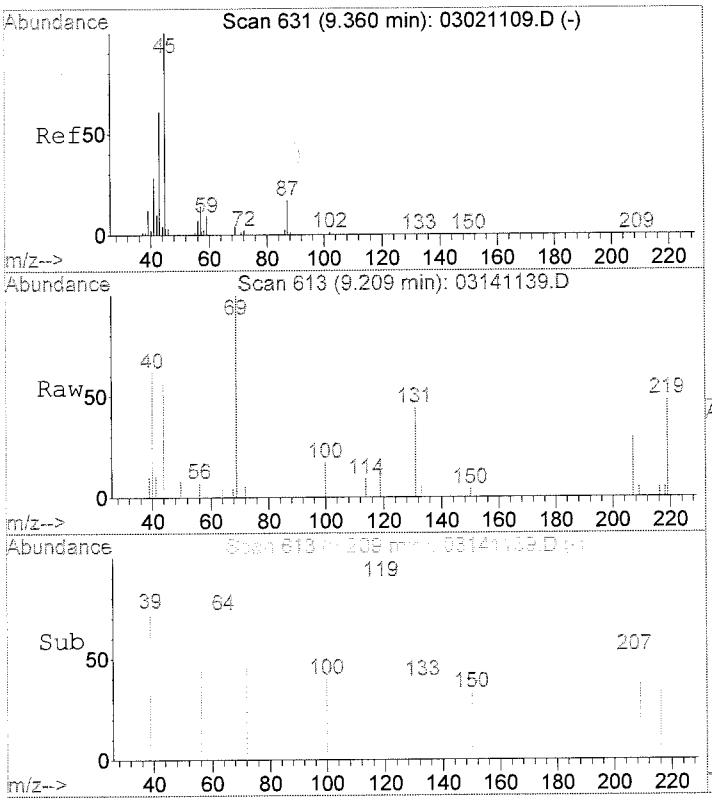


#19
1,1-Dichloroethane
Concen: 0.09 ug/L
RT: 8.80 min Scan# 565
Delta R.T. -0.01 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion: 63 Resp: 2701

Ion	Ratio	Lower	Upper
63	100		
65	50.9	25.3	37.9#
83	20.1	11.3	16.9#

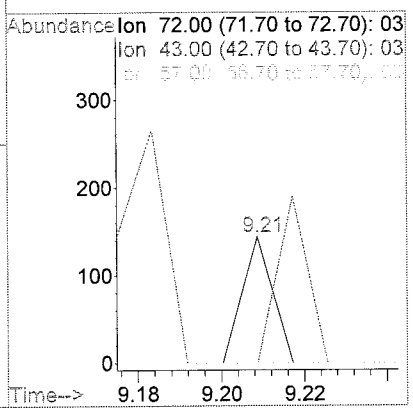


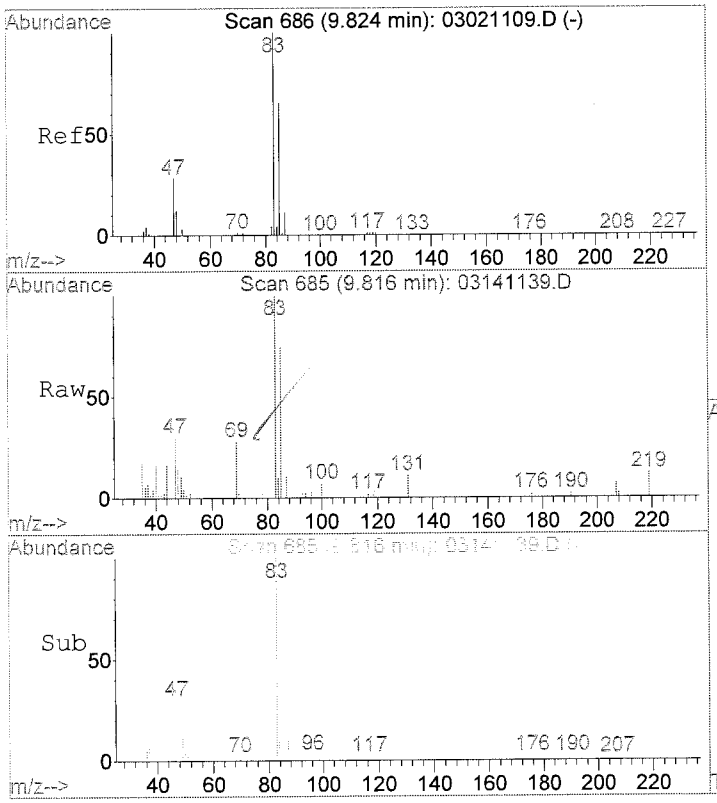


#22
2-Butanone (MEK)
Concen: 0.09 ug/L
RT: 9.21 min Scan# 613
Delta R.T. -0.13 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion: 72 Resp: 73

Ion	Ratio	Lower	Upper
72	100		
43	0.0	4526.1	6789.1#
57	0.0	0.0	0.0

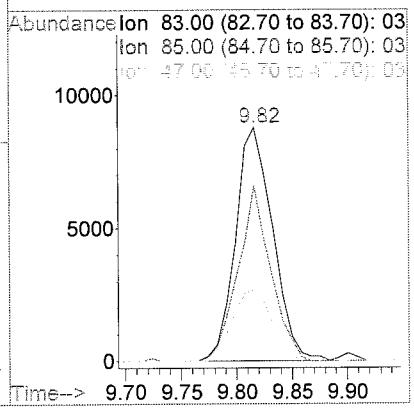


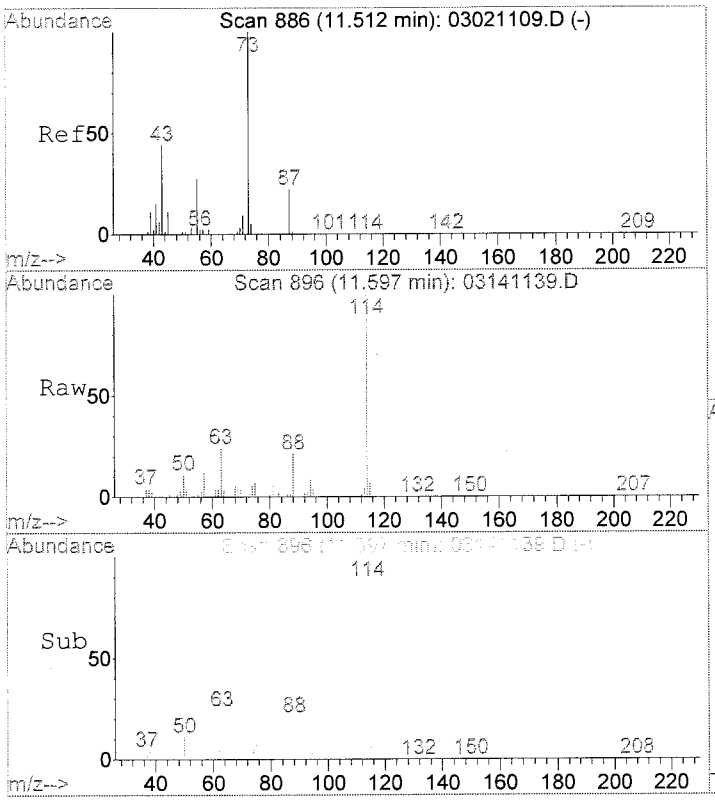


#26
Chloroform
Concen: 0.65 ug/L
RT: 9.82 min Scan# 685
Delta R.T. 0.00 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion: 83 Resp: 20470

Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.4	78.6
47	32.6	25.3	37.9

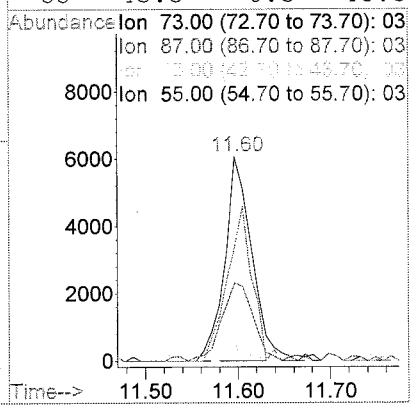


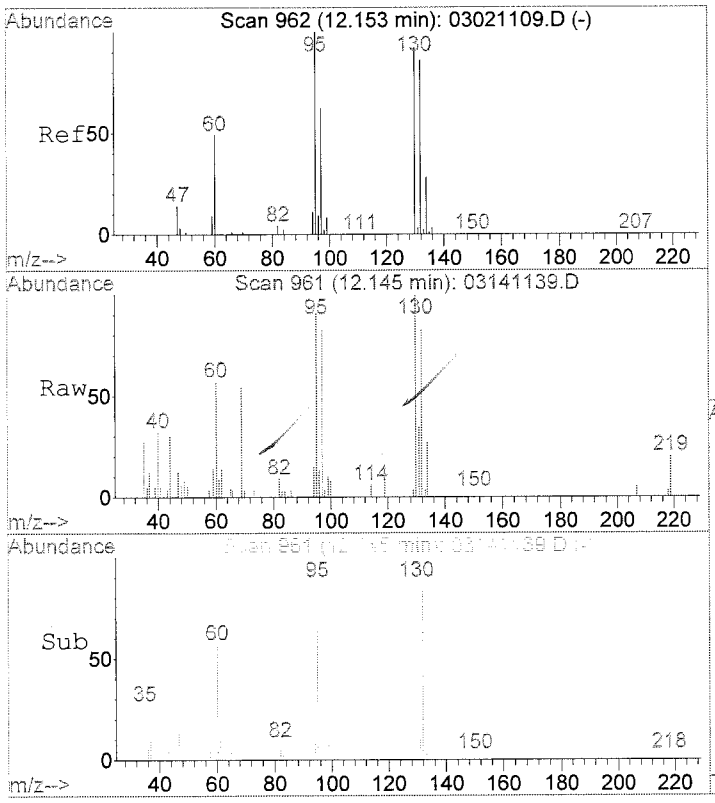


#32
(TAME) tert-Amyl methy ether
Concen: 0.44 ug/L
RT: 11.60 min Scan# 896
Delta R.T. 0.09 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion: 73 Resp: 12561

Ion	Ratio	Lower	Upper
73	100		
87	69.4	4.2	44.2#
43	4.3	26.6	66.6#
55	43.3	8.3	48.3

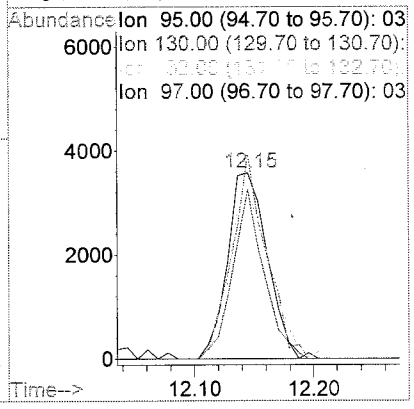


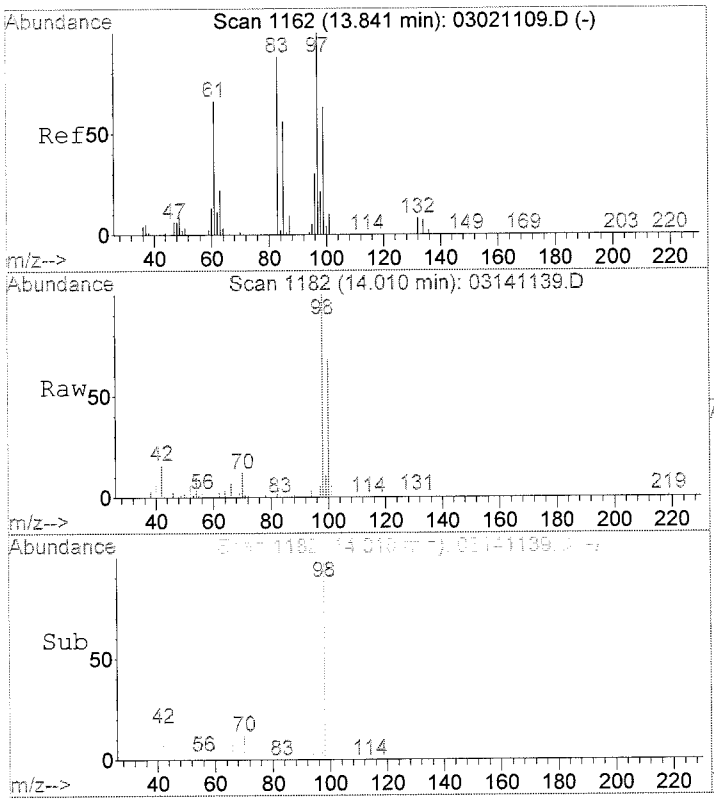


#39
Trichloroethene
Concen: 0.54 ug/L
RT: 12.15 min Scan# 961
Delta R.T. 0.00 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion: 95 Resp: 8266

Ion	Ratio	Lower	Upper
95	100		
130	94.7	70.3	105.5
132	92.8	68.5	102.7
97	71.8	54.3	81.5

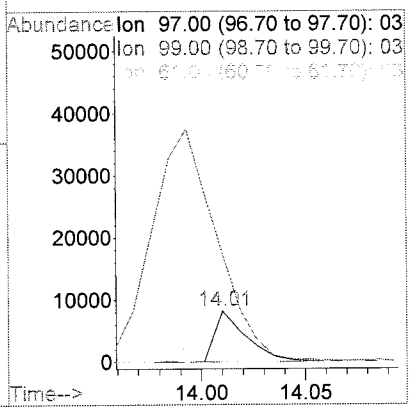




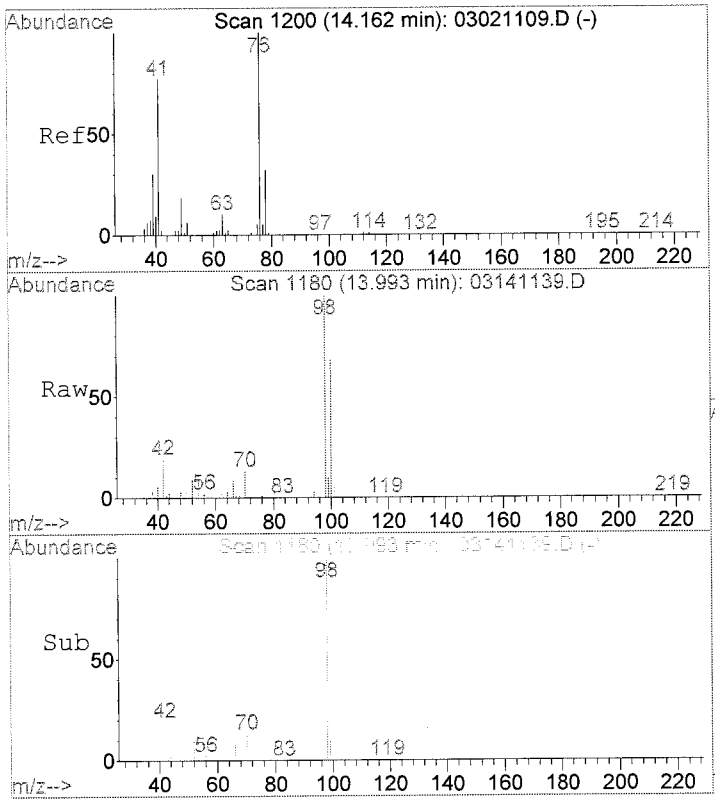
#45
1,1,2-Trichloroethane
Concen: 1.03 ug/L
RT: 14.01 min Scan# 1182
Delta R.T. 0.19 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion: 97 Resp: 8593

Ion	Ratio	Lower	Upper
97	100		
99	951.9	50.6	76.0#
61	1.8	60.0	90.0#



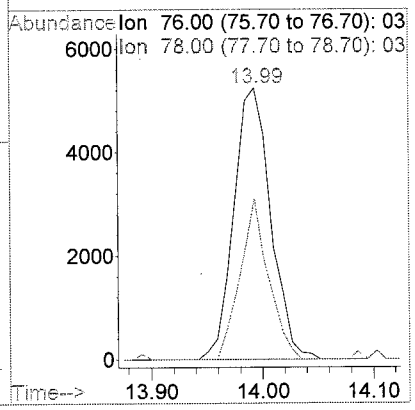
w RT



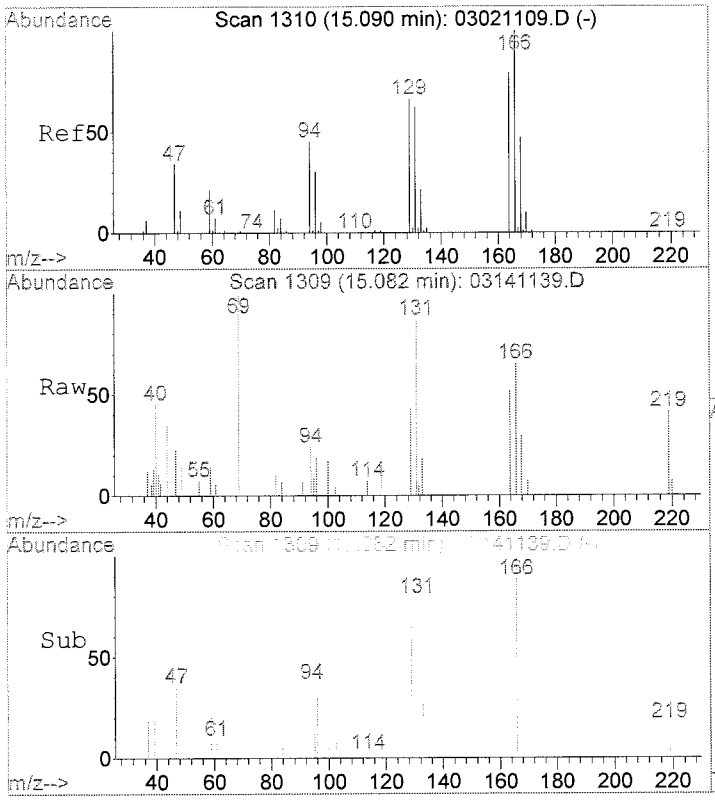
#49
1,3-Dichloropropane
Concen: 0.85 ug/L
RT: 13.99 min Scan# 1180
Delta R.T. -0.15 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion: 76 Resp: 12120

Ion	Ratio	Lower	Upper
76	100		
78	45.6	25.0	37.6#



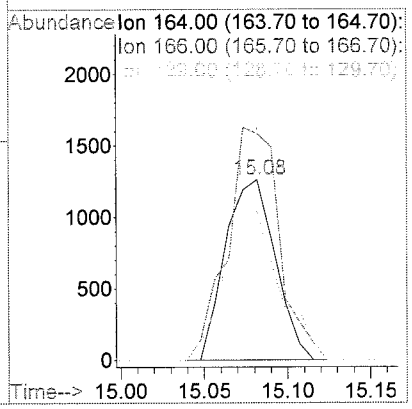
w RT

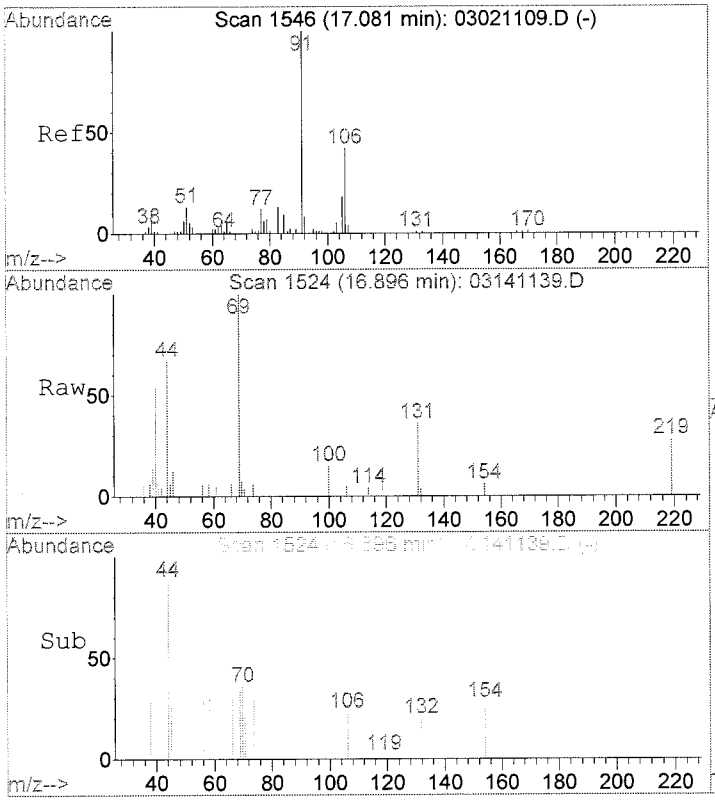


#53
Tetrachloroethene
Concen: 0.21 ug/L
RT: 15.08 min Scan# 1309
Delta R.T. 0.00 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion:164 Resp: 2604

Ion	Ratio	Lower	Upper
164	100		
166	134.9	104.6	157.0
129	91.4	65.2	97.8

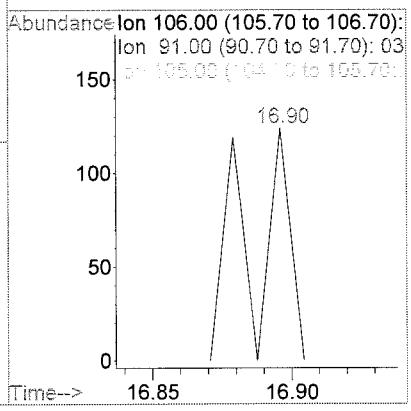




#59
o-Xylene
Concen: Below Cal
RT: 16.90 min Scan# 1524
Delta R.T. -0.17 min
Lab File: 03141139.D
Acq: 15 Mar 2011 3:18 am

Tgt Ion:106 Resp: 123

Ion	Ratio	Lower	Upper
106	100		
91	0.0	222.7	262.7#
105	0.0	22.9	62.9#



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

DIGESTION and/or EXTRACTION

METHOD: EPA 3520C

Work Order:

PUC0526-01

PREPARATION BENCH SHEET

11C0359

TestAmerica Phoenix

Printed: 3/16/2011 9:53:38AM

Matrix: Water **Prepared using: N_GCMS Semivolatiles - N_EPA 3520C** **Surrogate used: PU01147**

Lab Number	C	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike 1	ul Spike	Spike 2	ul Spike	ul Surrogate	Initials			Extraction Comments
11C0359-BLK1		QC	03/09/11 16:30	1000	1						100				
11C0359-BS1		QC	03/09/11 16:30	1000	1		PT05700	200			100				
11C0359-BSD1		QC	03/09/11 16:30	1000	1		PT05700	200			100				
PUC0525-01	E	N_1,4-Dioxane (SW82	03/09/11 16:30	1000	1						100				
PUC0525-02	E	N_1,4-Dioxane (SW82	03/09/11 16:30	1000	1						100				
PUC0525-03	E	N_1,4-Dioxane (SW82	03/09/11 16:30	1000	1						100				
PUC0525-04	D	N_1,4-Dioxane (SW82	03/09/11 16:30	1000	1						100				
PUC0525-05	D	N_1,4-Dioxane (SW82	03/09/11 16:30	1000	1						100				
PUC0525-06	E	N_1,4-Dioxane (SW82	03/09/11 16:30	1000	1						100				
PUC0525-07	E	N_1,4-Dioxane (SW82	03/09/11 16:30	1000	1						100				
PUC0525-08	E	N_1,4-Dioxane (SW82	03/09/11 16:30	1000	1						100				
PUC0525-09	D	N_1,4-Dioxane (SW82	03/09/11 16:30	1000	1						100				
PUC0526-01	D	N_1,4-Dioxane (SW82	03/09/11 16:30	1000	1						100				LEVEL 3 DP

Reagents used in Batch

Reagent	Description	Solvent

229 of 331

Spiking [illegible]essed By Date

Preparation Reviewed By 3/16/11 Date

Extracts Received By Date

Phoenix scratch paper is strictly prohibited.

Liquid/Liquid Extraction Record

Extraction Date: 3-9-11 Dm 3-9-11

LIMS Batch No: BNA030911A

Element No.: 110035-~~8~~9

Test Code: 1,4 Dioxane

Analytical Method: 3520-BNA

Solvent/Lot No.1. DCM/545501 2. ——— Final Sol.: DCM/~~545501~~ ~~a 3-11-11~~ ya 3-11-11 Na_2SO_4 Lot #: 101082

Acid/Base/Lot No.1. ——— 2. ——— 3. ———

Surrogate: Mod 8270SIM Conc. 200ppm Volume: 100µl Std. ID#: PU01147 Exp Date 8-24-11 Dm

Spike #1: 1,4 Dioxane Conc. 100ppm Volume: 200µl Std. ID#: PT05700 Exp Date 10-31-13 Dm

Spike #2: ——— Conc. ——— Volume: ——— Std. ID#: ——— Exp Date ———

Spike #3: ——— Conc. ——— Volume: ——— Std. ID#: ——— Exp Date ———

Spike #4: ——— Conc. ——— Volume: ——— Std. ID#: ——— Exp Date ———

Start Time: 1630 End Time: 1610 Spiked By: KA Spike Witness: Dm

K-D'd by: JC E-vap'd by: JC Solvent Ex'd by: MA Brought to V_f & Vialed by: CL

	Sample #	RE	Sample Frac.	pH[1]		Initial Vol/Wt (mLs/g)	Final Vol. (mLs)	K-D'd (√)	Evp'd (√)	Clean Up[2]	Color	Sample linked at:
1	MB	NA	NA	5	NA	1L	1mL	✓	✓	NA	Clear	NA
2	LCS	↓	↓	5	↓	1L	1mL	✓	✓	↓	↓	↓
3	LCSD			5		1L	1mL	✓	✓			
4	~~MS~~ PUC0525-01		E	7		1L	1mL	✓	✓			
5	~~MSD~~ PUC0525-02		E	7		1L	1mL	✓	✓			
6	~~RLV~~ PUC0525-03		E	7		1L	1mL	✓	✓			
7	PUC0525-04		D	7		1L	1mL	✓	✓			
8	PUC0525-05		D	7		1L	1mL	✓	✓			
9	PUC0525-06		E	7		1L	1mL	✓	✓			
10	PUC0525-07		E	7		1L	1mL	✓	✓			
11	PUC0525-08		E	7		1L	1mL	✓	✓			
12	PUC0525-09		D	7		1L	1mL	✓	✓			
13	PUC0526-01	↓	D	7	↓	1L	1mL	✓	✓	↓	↓	↓
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												

CL 3-11-11

[1]Sample pH / Adjusted pH; [2]AW is Acid Wash, DW is DCM wash.

a = Acid Fraction, b = base/neutral fraction

✓ Insufficient Sample for MS/MSD ___ MS/MSD Designated ___ MS/MSD Chosen ✓ Sample Container(s) Shaken & Rinsed with Solvent

Sample Extracts located in: Box# ——— Row(s) & Numbers ——— BNA Freezer ✓ SVOA's Fridge ___

Comments: ———

Reviewer Signature: ——— Date: ———

PX-EXT-009/B-03/10

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CALIBRATION DATA

METHOD

MODIFIED EPA 8270C

DATE: 01/05/11

Work Order: PUC0526-01

Attachment 1

INITIAL CALIBRATION CURVE CHECKLIST

Department: Semivoa	Method: Mod. 8270 C	Instrument#: C CMS 14
Analyst: C-Lauria	Analysis Date: 01-05-11	

Method name saved in the file: DIVANE\010511.M

1. How many calibration points were used? 3, 4, 5, 6, 7, 8, (9), 10, 11, 12
2. Did the calibration curve pass the method criteria? (Y) N
3. Were any points of the curve removed or replaced? Y (N)

   If yes, what points were removed or replaced: lowest middle highest

   Why?

4. Were any individual analyte points removed? Y (N)

   If yes, what points were removed or replaced: lowest middle highest

   List of the analytes:

   Why?

5. Circle the calibration model used (you may circle one or more)
   - ☑ Average Response Factor
   - ☐ Linear Regression / not forced through zero / simple linear
     - ☐ Equal weighting
     - ☐ Inverse of concentration
     - ☐ Inverse of square of concentration
   - ☐ Linear Regression / forced through zero
   - ☐ 2nd Order Regression (Quadratic) / not forced through zero
     - ☐ Equal weighting
     - ☐ Inverse of concentration
     - ☐ Inverse of square of concentration
6. Did the calibration meet the Good Documentation Practices SOP requirements: (Y) N

Review Signatures:	Analyst: C Lauria	Date: 1-5-11
	Reviewer: Jessica Brewer	Date: 01/05/11

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Attachment 1

INITIAL CALIBRATION CURVE CHECKLIST

Department: Semivoa	Method: Mod. 8270C	Instrument #: GCMS14
Analyst: C. Lauric	Analysis Date: ~~2/25/11~~ 01/05/11	3/01/11

Method name saved in the file: DIPANE\010511D.M

1. How many calibration points were used? 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
2. Did the calibration curve pass the method criteria? Y N
3. Were any points of the curve removed or replaced? Y N

   If yes, what points were removed or replaced: lowest middle highest

   Why?

4. Were any individual analyte points removed? Y N

   If yes, what points were removed or replaced: lowest middle highest

   List of the analytes:

   Why? update due to RT-shift.

5. Circle the calibration model used (you may circle one or more)
   - ☐ Average Response Factor
   - ☐ Linear Regression / not forced through zero / simple linear
     - ☐ Equal weighting
     - ☐ Inverse of concentration
     - ☐ Inverse of square of concentration
   - ☐ Linear Regression / forced through zero
   - ☐ 2nd Order Regression (Quadratic) / not forced through zero
     - ☐ Equal weighting
     - ☐ Inverse of concentration
     - ☐ Inverse of square of concentration
6. Did the calibration meet the Good Documentation Practices SOP requirements: Y N

Review Signatures:	Analyst: C Lau	Date: 3/01/2011
	Reviewer: Jessica Beuhen	Date: 03/01/11

EPA 8270C Modified 1,4-Dioxane by Isotope Dilution, Extraction & GC/MS Analysis
Data Review Checklist (Example)

ANALYSIS DATE: 01-05-11

MEETS CRITERIA?

1. DFTPP (50ng) VERIFY MEETS CRITERIA EVERY 12 HOURS — Y / N
2. INITIAL CALIBRATION CURVE (MIN. 5 LEVELS) DATE: 010511.m — Y / N
   - SPCC N-NITROSODI-N-PROPYLAMINE MUST MEET MIN. RF 0.05 — Y / N
   - CCC 1,4-DICHLOROBENZENE < 30% RSD, 1,4-DIOXANE ≤ 20% RSD — Y / N
   - ALL OTHER COMPOUNDS < 15% RSD OR USE CURVE (r^2 > 0.990) — Y / N
   - TAILING FACTOR B/N BENZIDENE: 3.0 — Y / N
3. INITIAL CALIBRATION VERIFICATION (SEC. SOURCE) ANALYZED — Y / N
4. CONTINUING CALIBRATION CHECK (EVERY 12 HOURS)
   - SPCC N-NITROSODI-N-PROPYLAMINE MUST MEET MIN. RF 0.05 — Y / N
   - CCC 1,4-DICHLOROBENZENE < 20% D; 1,4-DIOXANE ≤ 20% — Y / N
   - IS 1,4-DCB-d4 AREA –50% TO –100% TO MID-POINT IN I. CAL — Y / N
   - IS 1,4-DCB-d4 RT ± 30 SEC. TO MID-POINT IN INITIAL CALIB. — Y / N
   - TAILING FACTOR B/N BENZIDENE. 3.0 — Y / N
5. METHOD BLANK
   - ANALYZE ONE PER BATCH (< 20 SAMPLES) — Y / N
   - 1,4-DIOXANE MUST BE < REPORTING LIMIT — Y / N
6. LCS/LCSD WITHIN LIMITS
   - MUST BE ANALYZED PER 20 SAMPLES/BATCH — Y / N
   - % RECOVERY WITHIN 80 – 120% LIMITS — Y / N
   - RPD WITHIN LIMITS (≤ 25 RPD) — Y / N

Continued on next page

7. MS/MSD
   - MUST BE ANALYZED PER 20 SAMPLES/BATCH Y / N
   - % RECOVERY WITHIN 70 – 130% LIMITS Y / N
   - RPD WITHIN LIMITS (≤ 25 RPD) Y / N

8. SAMPLES
   - EXTRACTED WITHIN 7 DAYS OF SAMPLING Y / N
   - ANALYZED WITHIN 40 DAYS OF EXTRACTION Y / N
   - IS 1,4-DCB-d4 RT ± 30 SECs AND IS AREA –50% TO +100% TO CONT. CAL Y / N
   - SURROGATE RECOVERIES WITHIN LIMITS Y / N

9. TUNE INJECTED WITHIN 12hr TIME PERIOD Y / N

na

COMMENTS

ANALYST: DATE: 1-5-11

REVIEWER: DATE:

Response Factor Report GCMS14

Method Path : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥
Method File : 010511.M
Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
Last Update : Wed Jan 05 13:29:49 2011
Response Via : Initial Calibration

Calibration Files
1 =01051106.D 2 =01051107.D 3 =01051108.D 4 =01051109.D 5 =01051110.D 6 =01051111.D 7 =01051112.D 8 =01051113.D
9 =01051114.D

		Compound	1	2	3	4	5	6	7	8	9	Avg	%RSD
1)	I	1,4-Dioxane-d8	----------ISTD----------										
2)	C	1,4-Dioxane	0.973	1.050	1.052	1.067	1.050	1.011	0.998	1.018	0.940	1.018	4.12
3)	I	1,4-Dichlorobenzen...	----------ISTD----------										
4)	C*	1,4-Dichlorobe...	1.651	1.666	1.745	1.716	1.666	1.657	1.608	1.594	1.496	1.644	4.43
5)	P	N-Nitrosodi-n-...	1.075	1.120	1.247	1.256	1.255	1.224	1.213	1.195	1.171	1.195	5.28
6)	S	Nitrobenzene-d5	1.669	1.711	1.924	1.883	1.869	1.811	1.804	1.761	1.697	1.792	4.99

(#) = Out of Range

G 1.5-11

TC 010511

Response Factor Report GCMS14

Method Path : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥
Method File : 010511D.M
Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
Last Update : Mon Feb 28 10:27:25 2011
Response Via : Initial Calibration

update RT shift on 2-28-11

Calibration Files
1 =01051106.D 2 =01051107.D 3 =01051108.D 4 =01051109.D 5 =01051110.D 6 =01051111.D 7 =01051112.D 8 =01051113.D
9 =01051114.D

		Compound	1	2	3	4	5	6	7	8	9	Avg	%RSD
1)	I	1,4-Dioxane-d8	----------ISTD----------										
2)	C	1,4-Dioxane	0.973	1.050	1.052	1.067	1.050	1.011	0.998	1.018	0.940	1.018	4.12
3)	I	1,4-Dichlorobenzen...	----------ISTD----------										
4)	C*	1,4-Dichlorobe...	1.651	1.666	1.745	1.716	1.666	1.657	1.608	1.594	1.496	1.644	4.43
5)	P	N-Nitrosodi-n-...	1.075	1.120	1.247	1.256	1.255	1.224	1.213	1.195	1.171	1.195	5.28
6)	S	Nitrobenzene-d5	1.669	1.711	1.924	1.883	1.869	1.811	1.804	1.761	1.697	1.792	4.99

(#) = Out of Range

KW 030111

Calibration Status Report GCMS14

Method Path : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\
Method File : 010511.M
Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
Last Update : Wed Jan 05 13:29:49 2011
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	1	1	20	D:\msdchem\1\GCMS14\DATA\010511\01051106.D
2	2	1	20	D:\msdchem\1\GCMS14\DATA\010511\01051107.D
3	3	2	20	D:\msdchem\1\GCMS14\DATA\010511\01051108.D
4	4	4	20	D:\msdchem\1\GCMS14\DATA\010511\01051109.D
5	5	10	20	D:\msdchem\1\GCMS14\DATA\010511\01051110.D
6	6	20	20	D:\msdchem\1\GCMS14\DATA\010511\01051111.D
7	7	30	20	D:\msdchem\1\GCMS14\DATA\010511\01051112.D
8	8	40	20	D:\msdchem\1\GCMS14\DATA\010511\01051113.D
9	9	100	20	D:\msdchem\1\GCMS14\DATA\010511\01051114.D
10	CC	10	20	D:\msdchem\1\GCMS14\DATA\010511\01051110.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Jan 05 13:28 2011	Jan 05 11:25 2011	1/05/11
2	2	Jan 05 13:28 2011	Jan 05 11:44 2011	
3	3	Jan 05 13:28 2011	Jan 05 11:54 2011	
4	4	Jan 05 13:28 2011	Jan 05 12:19 2011	
5	5	Jan 05 13:28 2011	Jan 05 12:20 2011	
6	6	Jan 05 13:28 2011	Jan 05 12:43 2011	
7	7	Jan 05 13:28 2011	Jan 05 12:57 2011	
8	8	Jan 05 13:28 2011	Jan 05 13:09 2011	
9	9	Jan 05 13:28 2011	Jan 05 13:26 2011	
10	CC	Jan 05 13:29 2011	Jan 05 12:20 2011	

010511.M Wed Jan 05 13:33:03 2011

1.5-11

Calibration Status Report GCMS14

Method Path : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\
Method File : 010511D.M
Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
Last Update : Mon Feb 28 10:27:25 2011
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	1	1	20	D:\msdchem\1\GCMS14\DATA\010511\01051106.D
2	2	1	20	D:\msdchem\1\GCMS14\DATA\010511\01051107.D
3	3	2	20	D:\msdchem\1\GCMS14\DATA\010511\01051108.D
4	4	4	20	D:\msdchem\1\GCMS14\DATA\010511\01051109.D
5	5	10	20	D:\msdchem\1\GCMS14\DATA\010511\01051110.D
6	6	20	20	D:\msdchem\1\GCMS14\DATA\010511\01051111.D
7	7	30	20	D:\msdchem\1\GCMS14\DATA\010511\01051112.D
8	8	40	20	D:\msdchem\1\GCMS14\DATA\010511\01051113.D
9	9	100	20	D:\msdchem\1\GCMS14\DATA\010511\01051114.D
10	CC	10	20	R:\022511\02251108.D used to update due to RT shift

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Jan 05 13:28 2011	Jan 05 11:25 2011	1/05/2011
2	2	Jan 05 13:28 2011	Jan 05 11:44 2011	
3	3	Jan 05 13:28 2011	Jan 05 11:54 2011	
4	4	Jan 05 13:28 2011	Jan 05 12:19 2011	
5	5	Jan 05 13:28 2011	Jan 05 12:20 2011	
6	6	Jan 05 13:28 2011	Jan 05 12:43 2011	
7	7	Jan 05 13:28 2011	Jan 05 12:57 2011	
8	8	Jan 05 13:28 2011	Jan 05 13:09 2011	
9	9	Jan 05 13:28 2011	Jan 05 13:26 2011	
10	CC	Feb 28 10:27 2011	Feb 28 10:27 2011	25 Feb 2011 6:23 pm

a 2/28/11

010511D.M Mon Feb 28 10:59:27 2011

4/30/11

Compound List Report GCMS14

Method Path : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\
Method File : 010511.M
Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
Last Update : Wed Jan 05 13:29:49 2011
Response Via : Initial Calibration

Total Cpnds : 6

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	1,4-Dioxane-d8	96	2.975	1.000	A	1	A	B
2	C	1,4-Dioxane	88	3.028	1.018	A	2	A	B
3	I	1,4-Dichlorobenzene-d4	152	6.092	1.000	A	0	A	B
4	C*	1,4-Dichlorobenzene	146	6.104	1.002	A	1	A	B
5	P	N-Nitrosodi-n-propylamine	70	6.422	1.054	A	1	A	B
6	S	Nitrobenzene-d5	82	6.557	1.076	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

)10511.M Wed Jan 05 13:33:14 2011

Sample Name 10ug/mL PU00063
Data File Name 01051110.D
Data File Path D:\msdchem\1\GCMS14\DATA\010511\
Operator CL
Date Acquired 1/5/2011 12:12
Misc Info 1,4-DIOXANE
Instrument Name GCMS14

10ug/mL PU00063
01051110.D
D:\msdchem\1\GCMS14\DATA\010511\
DIOX010511.m

	CCV Response	**ICAL** Response	0.5X	2X	**PASS/FAIL**
Internal Standard					
1,4-Dichlorobenzene-d4	243008	243008	121504	486016	**PASS**

	RT	RT	-0.5min	+0.5min	
Internal Standard					
1,4-Dichlorobenzene-d4	6.09	6.09	5.59	6.59	**PASS**

update
01-5-11

Sample Name 10ug/mL PU00063
Data File Name 01051110.D
Data File Path D:\msdchem\1\GCMS14\DATA\010511\
Operator CL
Date Acquired 1/5/2011 12:12
Misc Info 1,4-DIOXANE
Instrument Name GCMS14

10ug/mL PU00063
01051110.D
D:\msdchem\1\GCMS14\DATA\010511\

	NAME	RT	CCV RRT Value (Target/IS)	mid-RT 010511.M	AGREE -0.06	AGREE 0.06	PASS/FAIL
IS	1,4-Dioxane-d8	2.975					
	1,4-Dioxane	3.028	1.0178	1.0178	0.9578	1.0778	<-PASS
IS	1,4-Dichlorobenzene-d4	6.092					
	1,4-Dichlorobenzene	6.104	1.0019	1.0019	0.9419	1.0619	<-PASS
	N-Nitrosodi-n-propylamine	6.422	1.0541	1.0541	0.9941	1.1141	<-PASS
	Nitrobenzene-d5	6.557	1.0763	1.0763	1.0163	1.1363	<-PASS

Update only.
Added in Revised
Review checklist for
1,4-Dioxane

a 3-09-11.

3/9/11

TestAmerica
Phoenix

GCMS 14 - RUN LOGBOOK

Sequence Name: D:¥msdchem¥1¥GCMS14¥sequence¥010511.S
Comment:
Operator: CL
Data Path: D:¥MSDCHEM¥1¥GCMS14¥DATA¥010511¥
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line			Sample Name/Misc Info		
1)	Sample	1	01051101	DB5MS14	DCM
2)	Sample	2	01051102	DB5MS14	DCM
3)	Sample	3	01051103	DB5MS14	25ng tune pu00017
4)	Sample	4	01051104	DB5MS14	✓25ng TUNE PU00017
5)	Sample	5	01051105	DIOXANE	BLANK
6)	Sample	6	01051106	DIOXANE	0.5ug/mL PU00059
7)	Sample	7	01051107	DIOXANE	1.0ug/mL PU00060
8)	Sample	8	01051108	DIOXANE	2.0ug/mL PU00061
9)	Sample	9	01051109	DIOXANE	4.0ug/mL PU00062
10)	Sample	10	01051110	DIOXANE	10ug/mL PU00063
11)	Sample	11	01051111	DIOXANE	20ug/mL PU00064
12)	Sample	12	01051112	DIOXANE	30ug/mL PU00065
13)	Sample	13	01051113	DIOXANE	40ug/mL PU00066
14)	Sample	14	01051114	DIOXANE	100ug/mL PU0067
15)	Sample	15	01051115	DIOXANE	QCS10ug/mL PU00068
16)	Sample	1	01051116	DIOXANE	~~10ug/mL PU00063ccv~~ PCM
17)	Sample	2	01051117	DIOXANE	10ug/mL PU00063ccv
18)	Sample	3	01051118	DIOXANE	11A0067-BLK1
19)	Sample	4	01051119	DIOXANE	PTL1256-03RE1
20)	Sample	5	01051120	DIOXANE	PTL1256-04RE1
21)	Sample	6	01051121	DIOXANE	PTL1256-06RE1
22)	Sample	7	01051122	DIOXANE	PTL1256-07RE1
23)	Sample	8	01051123	DIOXANE	PTL1262-01RE1
24)	Sample	9	01051124	DIOXANE	PTL1262-02RE1
25)	Sample	10	01051125	DIOXANE	PTL1256-10
26)	Sample	11	01051126	DIOXANE	PTL1262-01
27)	Sample	12	01051127	DIOXANE	PTL1262-02

a 1-6-11

a 1-5-11

a 1-5-11

a 1-6-11

Sequence Reviewed By: a Date: 1-6-11

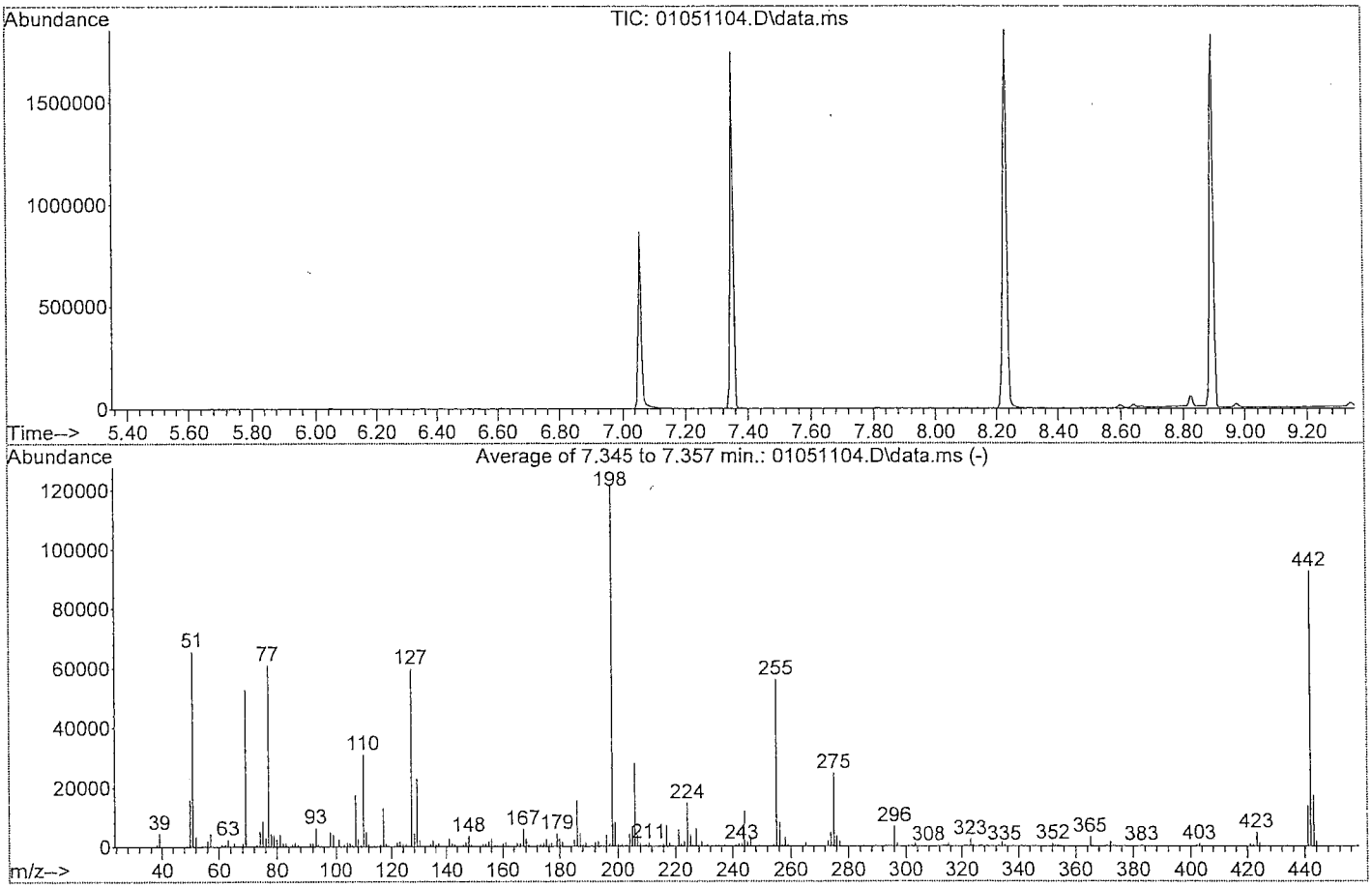
Date Analyzed: 1-6-11 Analyst: a Date Run: 1-5-11

DFTPP

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051104.D
Acq On : 5 Jan 2011 10:19 am
Operator : CL
Sample : 25ng TUNE PU00017
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: rteint.p

Method : D:¥msdchem¥1¥GCMS14¥METHODS¥TUNE8270.M
Title : DFTPP, TAILING EVA.:ACID<5.0, BN<3.0, DEG.<=20%
Last Update : Fri Sep 10 17:23:33 2010



AutoFind: Scans 963, 964, 965; Background Corrected with Scan 958

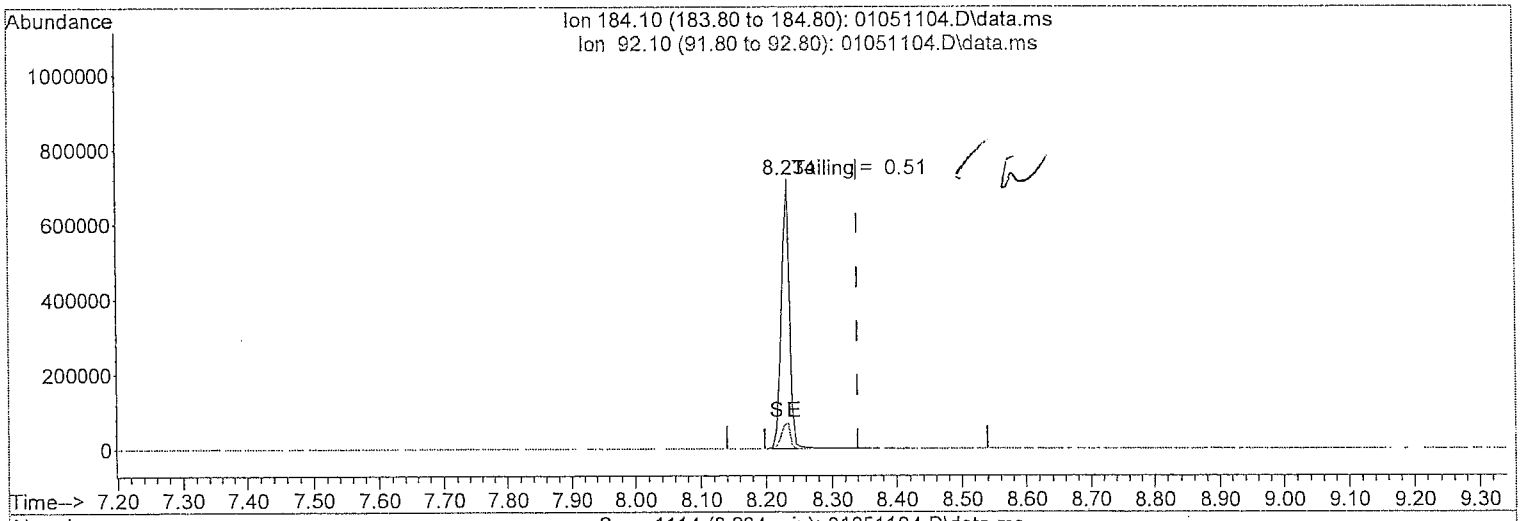
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.0	65567	PASS
68	69	0.00	2	1.8	948	PASS
69	198	0.00	100	43.2	52531	PASS
70	69	0.00	2	0.4	221	PASS
127	198	40	60	49.2	59789	PASS
197	198	0.00	1	0.7	889	PASS
198	198	100	100	100.0	121514	PASS
199	198	5	9	6.5	7948	PASS
275	198	10	30	20.3	24613	PASS
365	198	1	100	2.6	3102	PASS
441	443	0.01	100	78.5	13579	PASS
442	198	40	100	76.1	92525	PASS
443	442	17	23	18.7	17299	PASS

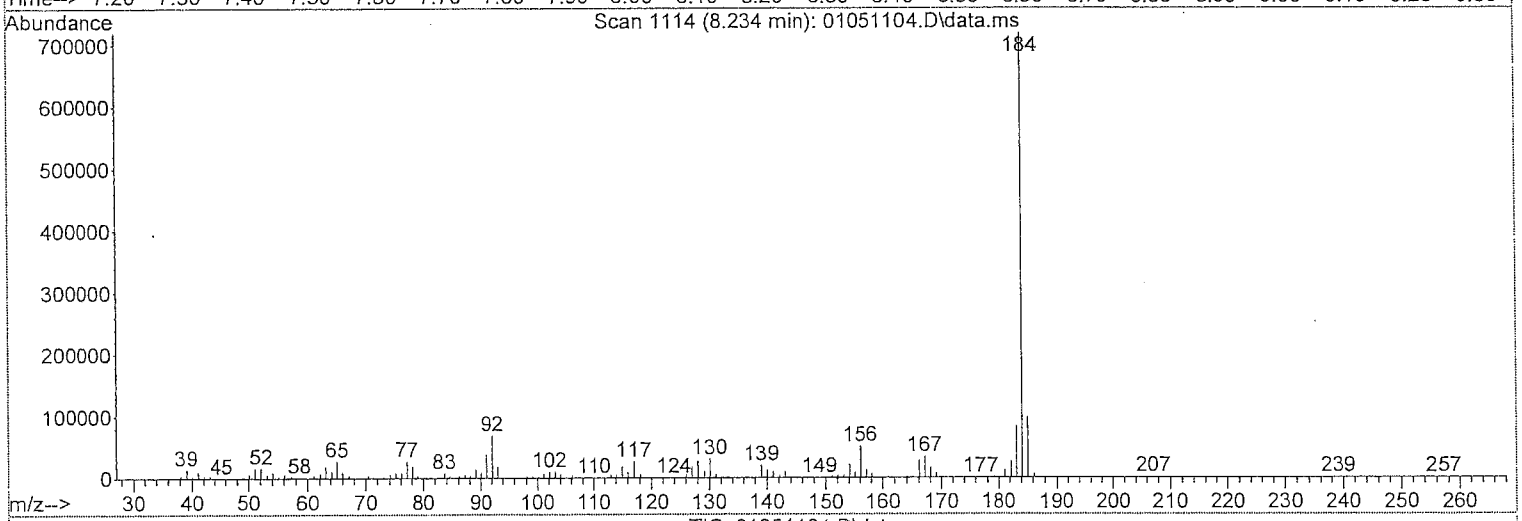
1.5.11

Quantitation Report (Qedit)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051104.D
Acq On : 5 Jan 2011 10:19 am
Operator : CL
Sample : 25ng TUNE PU00017
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 05 11:46:05 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥TUNE8270.M
Quant Title : DFTPP, TAILING EVA. :ACID<5.0, BN<3.0, DEG. <=20%
QLast Update : Fri Sep 10 17:23:33 2010
Response via : Continuing Cal File: D:¥msdchem¥1¥GCMS14¥DATA¥091010A¥09101002.D





TIC: 01051104.D\data.ms

(2) Benzidine

8.234min (-0.106) 7.68

response 603050

Ion	Exp%	Act%
184.10	100	100
92.10	10.20	10.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051105.D
Acq On : 5 Jan 2011 10:44 am
Operator : CL
Sample : BLANK
Misc : 1,4-DIOXANE
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 05 13:45:56 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 13:29:49 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.969	96	300515	20.00 ug/mL	0.00
3) 1,4-Dichlorobenzene-d4	6.092	152	231052	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	0.000	82	0	0.00 ug/mL	
Target Compounds					Qvalue
2) 1,4-Dioxane	2.999	88	49	0.00 ug/mL#	1
4) 1,4-Dichlorobenzene	6.092	146	306	0.01 ug/mL#	1

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

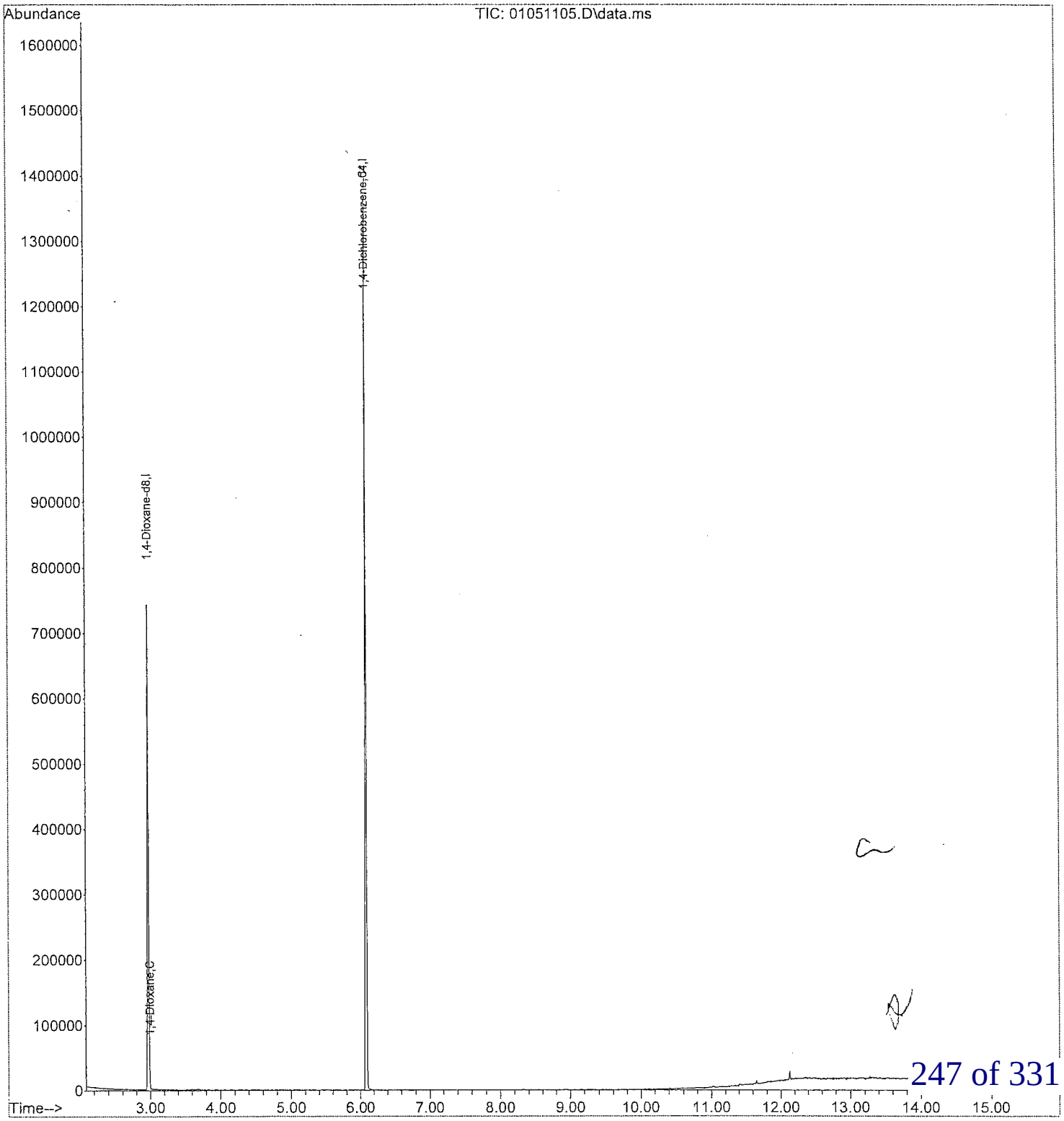
01-5-11

BL 5/11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051105.D
Acq On : 5 Jan 2011 10:44 am
Operator : CL
Sample : BLANK
Misc : 1,4-DIOXANE
ALS Vial : 5 Sample Multiplier: 1

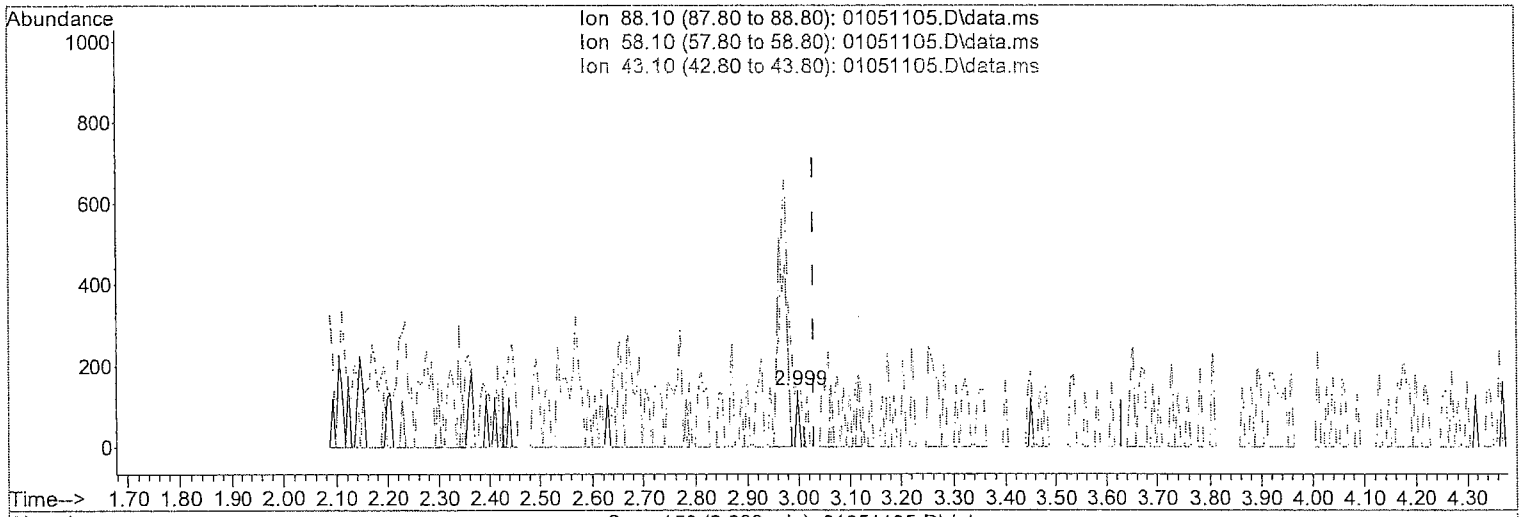
Quant Time: Jan 05 13:45:56 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 13:29:49 2011
Response via : Initial Calibration

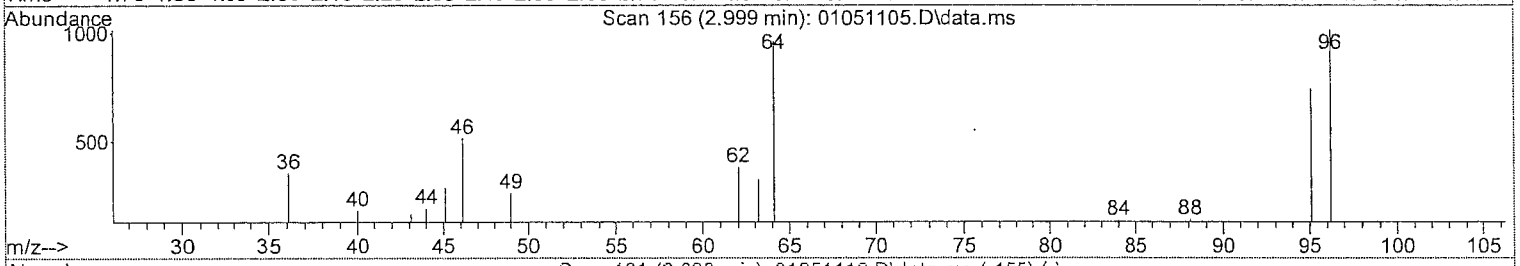


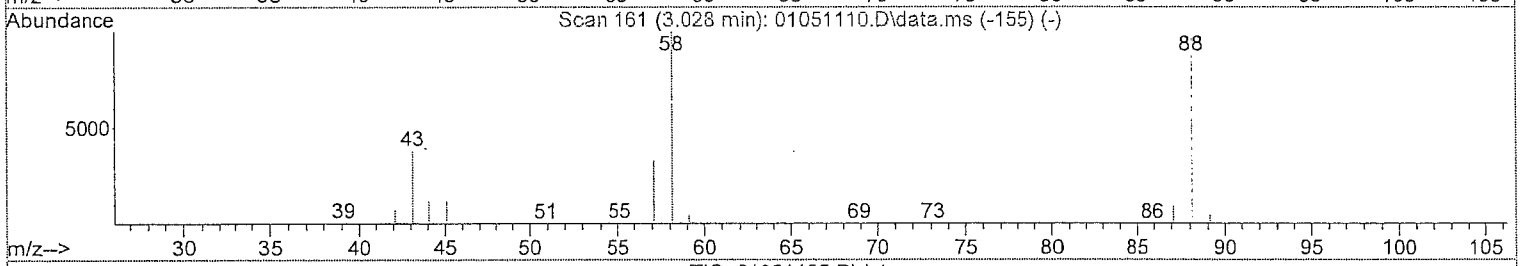
Quantitation Report (Qedit)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051105.D
Acq On : 5 Jan 2011 10:44 am
Operator : CL
Sample : BLANK
Misc : 1,4-DIOXANE
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 05 13:45:56 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 13:29:49 2011
Response via : Initial Calibration







TIC: 01051105.D\data.ms

(2) 1,4-Dioxane (C)

2.999min (-0.029) 0.00ug/mL

response 49

Ion	Exp%	Act%
88.10	100	100
58.10	97.60	1263.27#
43.10	39.30	2171.43#
0.00	0.00	0.00

ND

1.5.11

010511

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051106.D
Acq On : 5 Jan 2011 11:10 am
Operator : CL
Sample : 0.5ug/mL PU00059
Misc : 1,4-DIOXANE
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 05 11:25:57 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.963	96	318261	20.00 ug/mL	0.02
3) 1,4-Dichlorobenzene-d4	6.092	152	240601	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.557	82	20080	0.62 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.016	88	7745	0.48 ug/mL	96
4) 1,4-Dichlorobenzene	6.104	146	19858	0.51 ug/mL	87
5) N-Nitrosodi-n-propylamine	6.422	70	12932	0.61 ug/mL	98

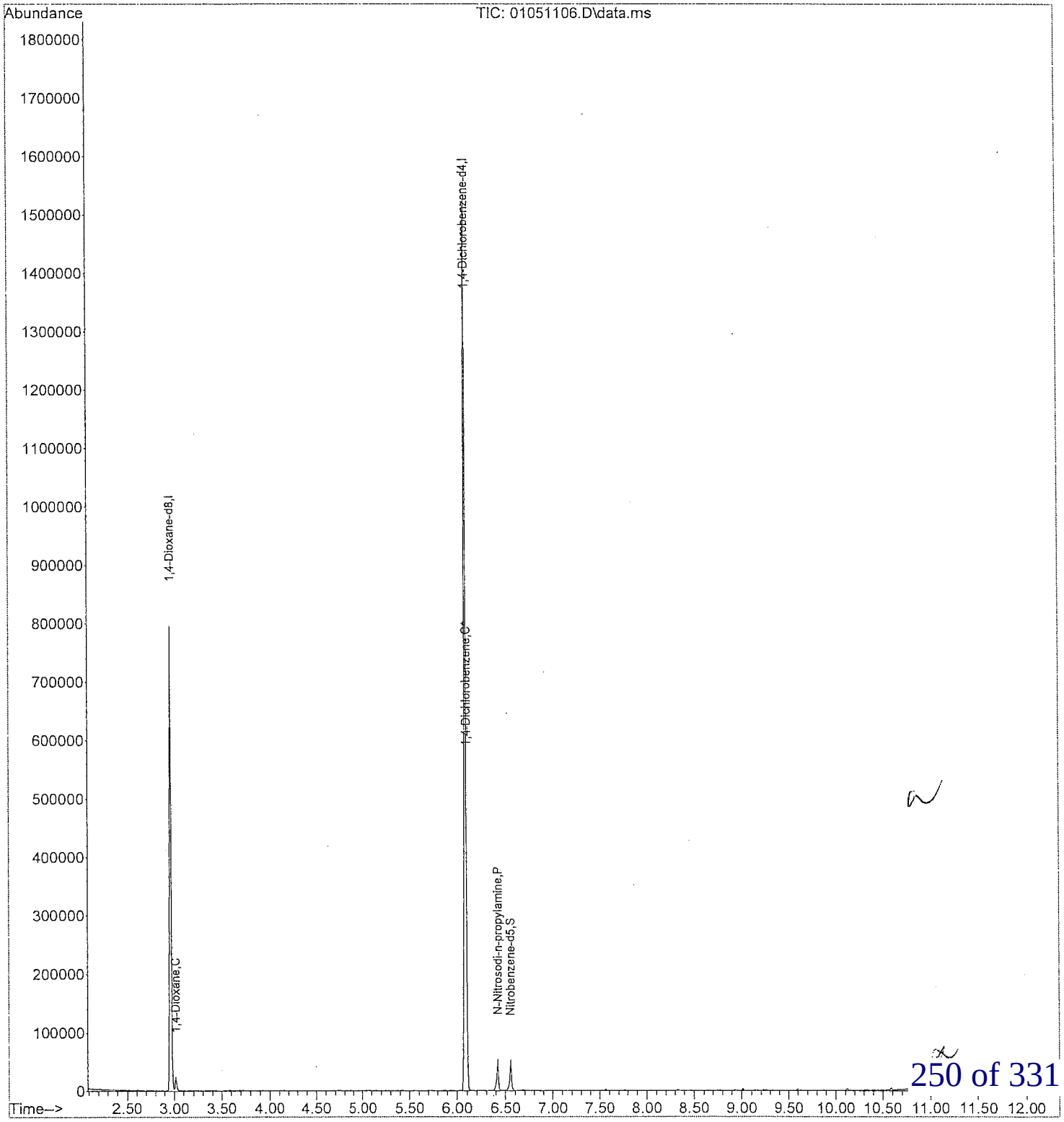
(#) = qualifier out of range (m) = manual integration (+) = signals summed

01-5-11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051106.D
Acq On : 5 Jan 2011 11:10 am
Operator : CL
Sample : 0.5ug/mL PU00059
Misc : 1,4-DIOXANE
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 05 11:25:57 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051107.D
Acq On : 5 Jan 2011 11:32 am
Operator : CL
Sample : 1.0ug/mL PU00060
Misc : 1,4-DIOXANE
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 05 11:44:38 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.969	96	283387	20.00 ug/mL	0.02
3) 1,4-Dichlorobenzene-d4	6.092	152	213017	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.557	82	36439	1.28 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.022	88	14877	1.04 ug/mL	99
4) 1,4-Dichlorobenzene	6.104	146	35480	1.03 ug/mL	95
5) N-Nitrosodi-n-propylamine	6.422	70	23862	1.28 ug/mL	96

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

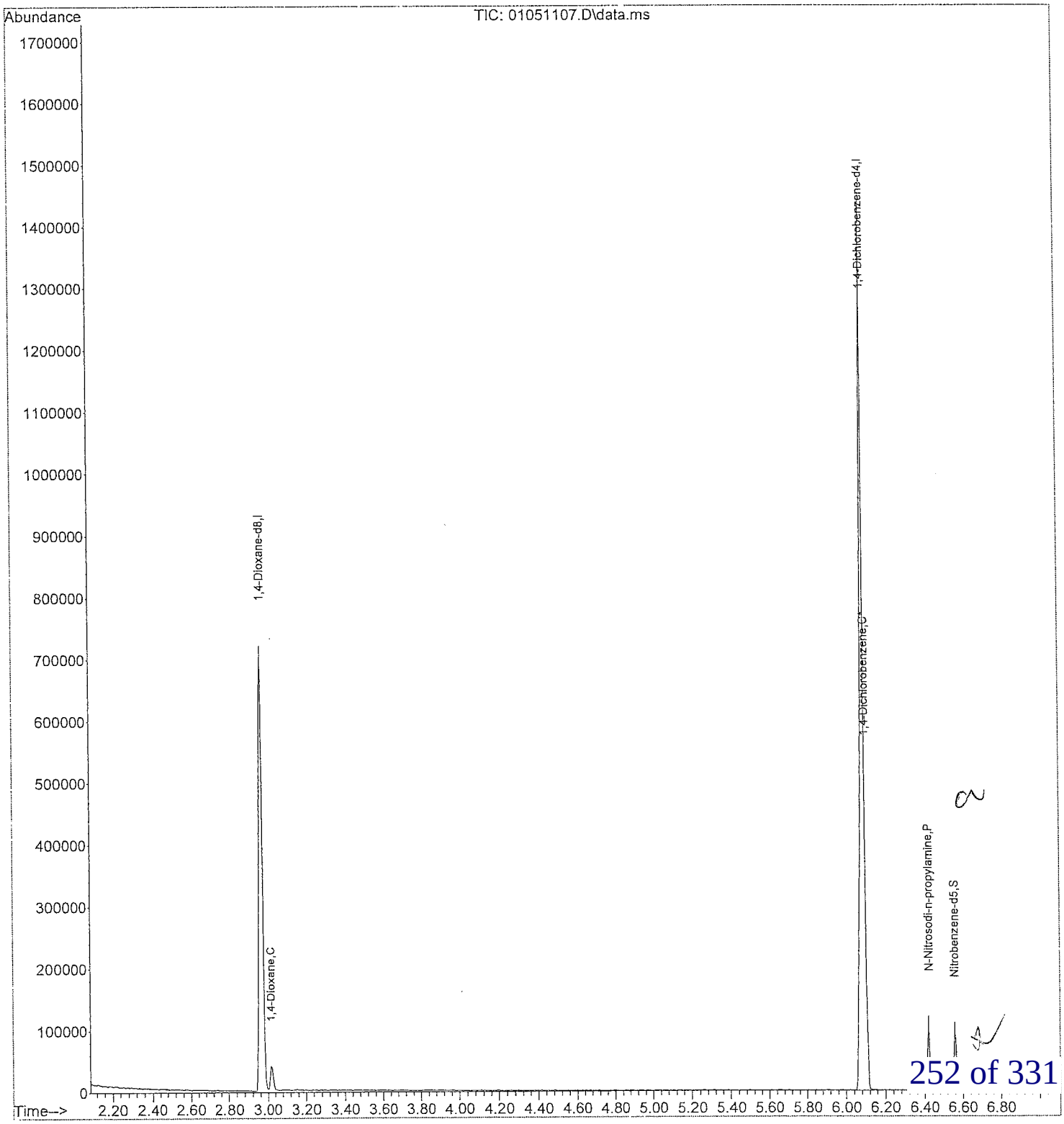
01.5.11

B10571

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051107.D
Acq On : 5 Jan 2011 11:32 am
Operator : CL
Sample : 1.0ug/mL PU00060
Misc : 1,4-DIOXANE
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 05 11:44:38 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051108.D
Acq On : 5 Jan 2011 11:46 am
Operator : CL
Sample : 2.0ug/mL PU00061
Misc : 1,4-DIOXANE
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 05 11:54:31 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.975	96	323796	20.00 ug/mL	0.03
3) 1,4-Dichlorobenzene-d4	6.087	152	240424	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.557	82	92526	2.87 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.022	88	34074	2.09 ug/mL	99
4) 1,4-Dichlorobenzene	6.104	146	83920	2.15 ug/mL	99
5) N-Nitrosodi-n-propylamine	6.416	70	59969	2.84 ug/mL	99

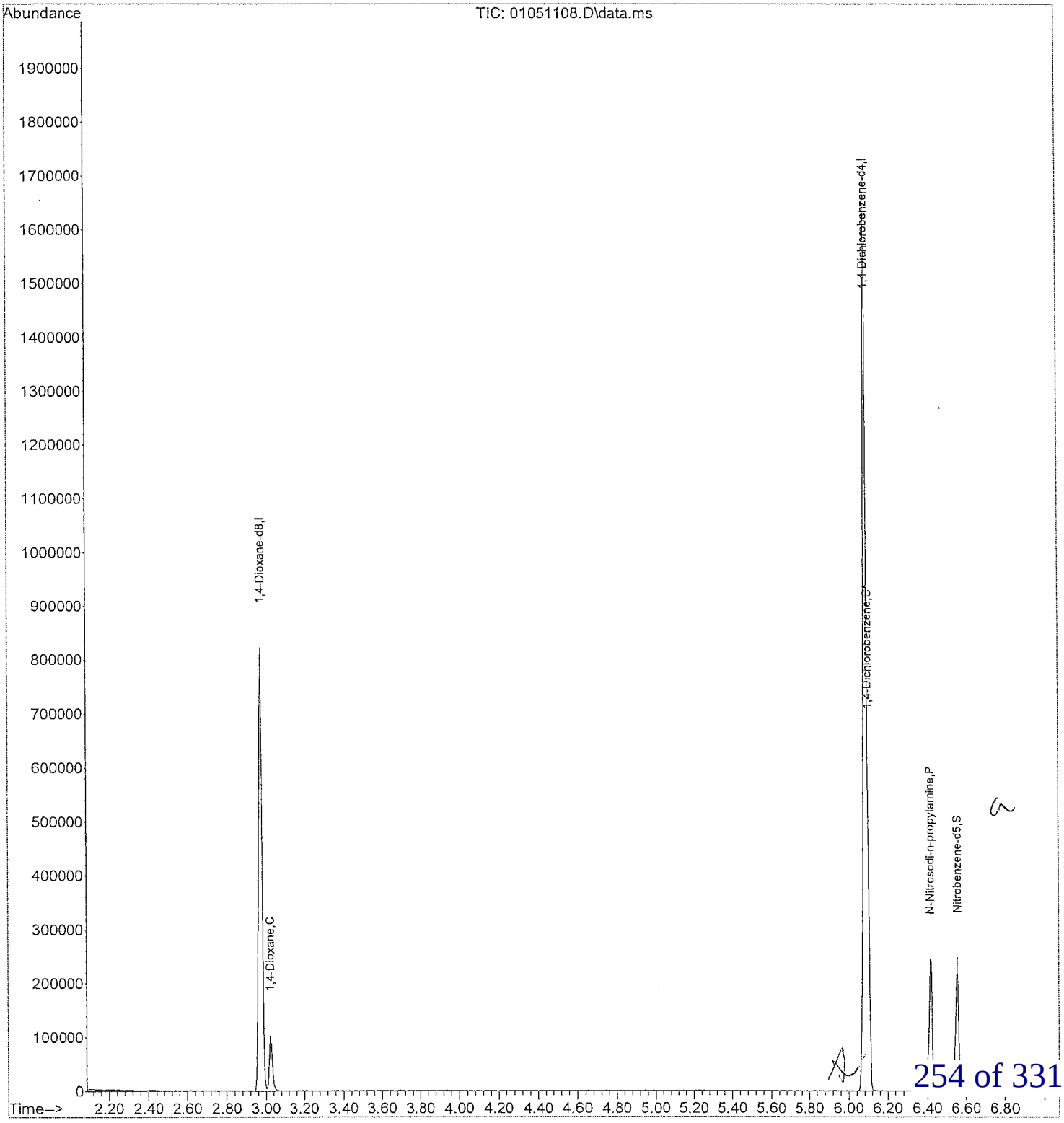
(#) = qualifier out of range (m) = manual integration (+) = signals summed

01.5.11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051108.D
Acq On : 5 Jan 2011 11:46 am
Operator : CL
Sample : 2.0ug/mL PU00061
Misc : 1,4-DIOXANE
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 05 11:54:31 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051109.D
Acq On : 5 Jan 2011 11:59 am
Operator : CL
Sample : 4.0ug/mL PU00062
Misc : 1,4-DIOXANE
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 05 12:19:44 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.957	96	304589	20.00 ug/mL	0.01
3) 1,4-Dichlorobenzene-d4	6.092	152	229794	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.557	82	173101	5.62 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.004	88	65016	4.24 ug/mL	100
4) 1,4-Dichlorobenzene	6.104	146	157766	4.23 ug/mL	98
5) N-Nitrosodi-n-propylamine	6.422	70	115445	5.73 ug/mL	98

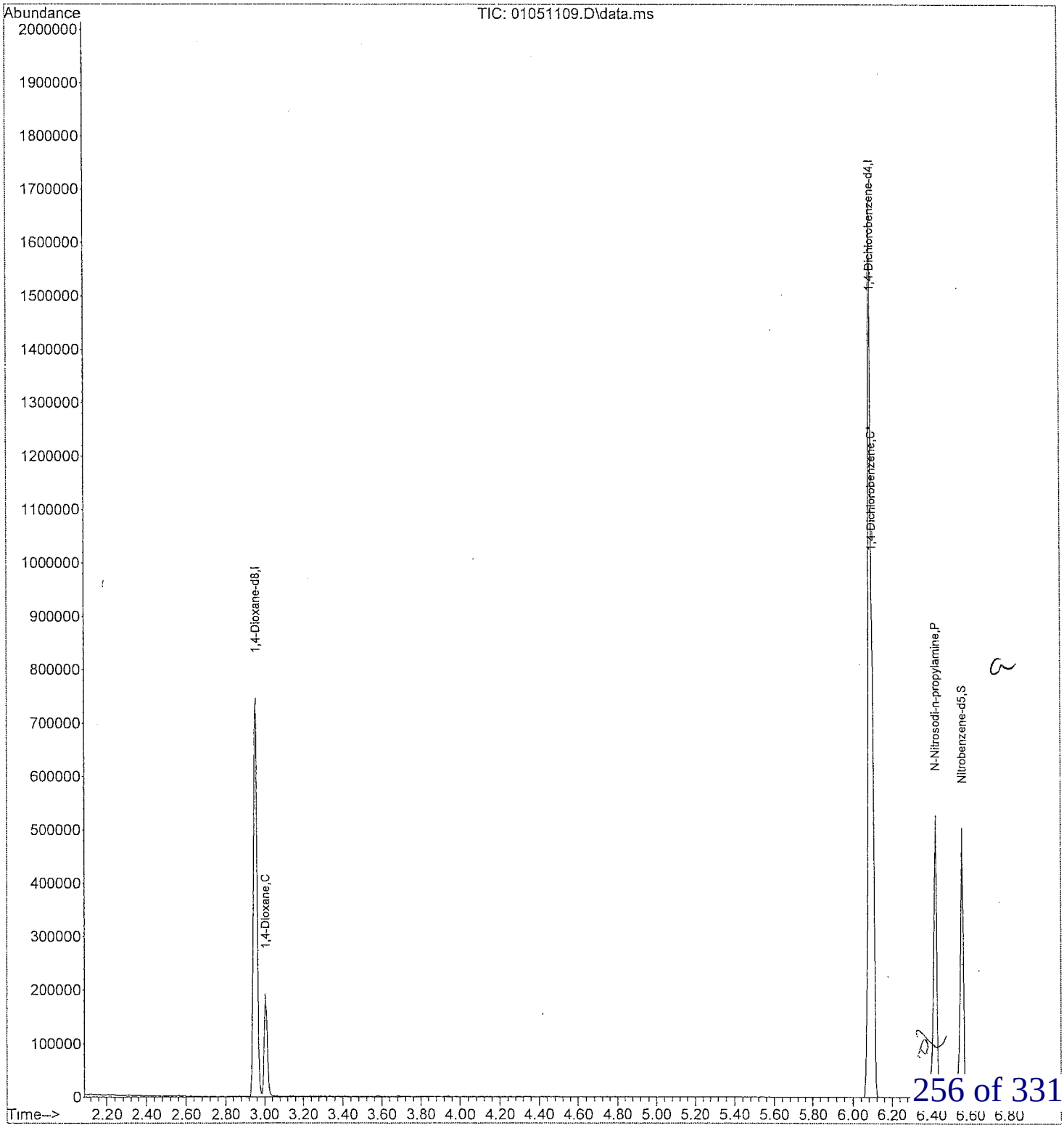
(#) = qualifier out of range (m) = manual integration (+) = signals summed

01.5.11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051109.D
Acq On : 5 Jan 2011 11:59 am
Operator : CL
Sample : 4.0ug/mL PU00062
Misc : 1,4-DIOXANE
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 05 12:19:44 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051110.D
Acq On : 5 Jan 2011 12:12 pm
Operator : CL
Sample : 10ug/mL PU00063
Misc : 1,4-DIOXANE
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 05 12:20:18 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.975	96	326940	20.00 ug/mL	0.03
3) 1,4-Dichlorobenzene-d4	6.092	152	243008	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.557	82	454083	13.94 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.028	88	171569	10.42 ug/mL	99
4) 1,4-Dichlorobenzene	6.104	146	404965	10.27 ug/mL	99
5) N-Nitrosodi-n-propylamine	6.422	70	304989	14.31 ug/mL	100

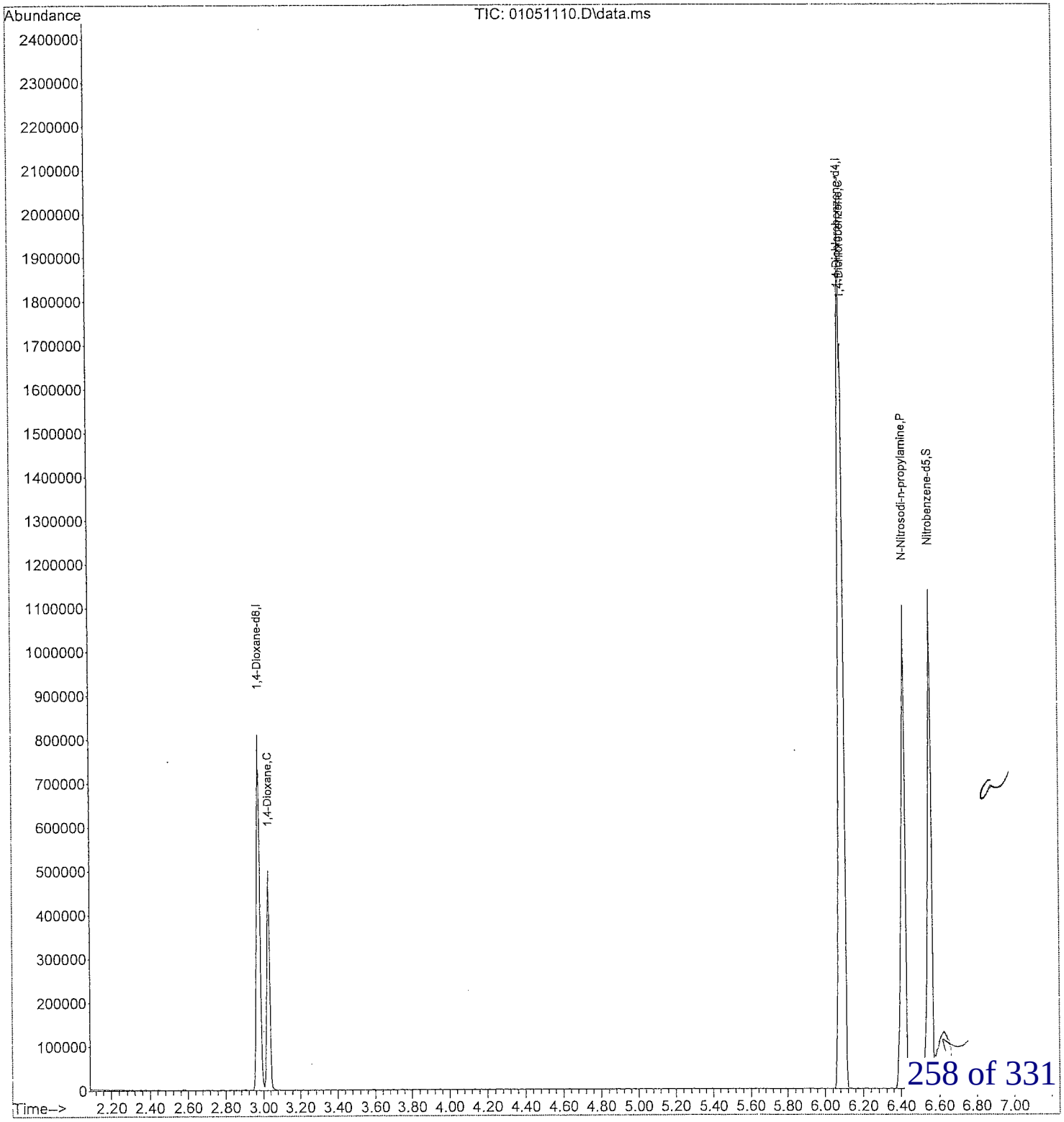
(#) = qualifier out of range (m) = manual integration (+) = signals summed

01.5.11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051110.D
Acq On : 5 Jan 2011 12:12 pm
Operator : CL
Sample : 10ug/mL PU00063
Misc : 1,4-DIOXANE
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 05 12:20:18 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051111.D
Acq On : 5 Jan 2011 12:25 pm
Operator : CL
Sample : 20ug/mL PU00064
Misc : 1,4-DIOXANE
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 05 12:43:52 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.892	96	258958	20.00 ug/mL	-0.05
3) 1,4-Dichlorobenzene-d4	6.092	152	185062	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.563	82	670408	27.02 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	2.951	88	261828	20.07 ug/mL	100
4) 1,4-Dichlorobenzene	6.104	146	613271	20.43 ug/mL	100
5) N-Nitrosodi-n-propylamine	6.428	70	453173	27.92 ug/mL	99

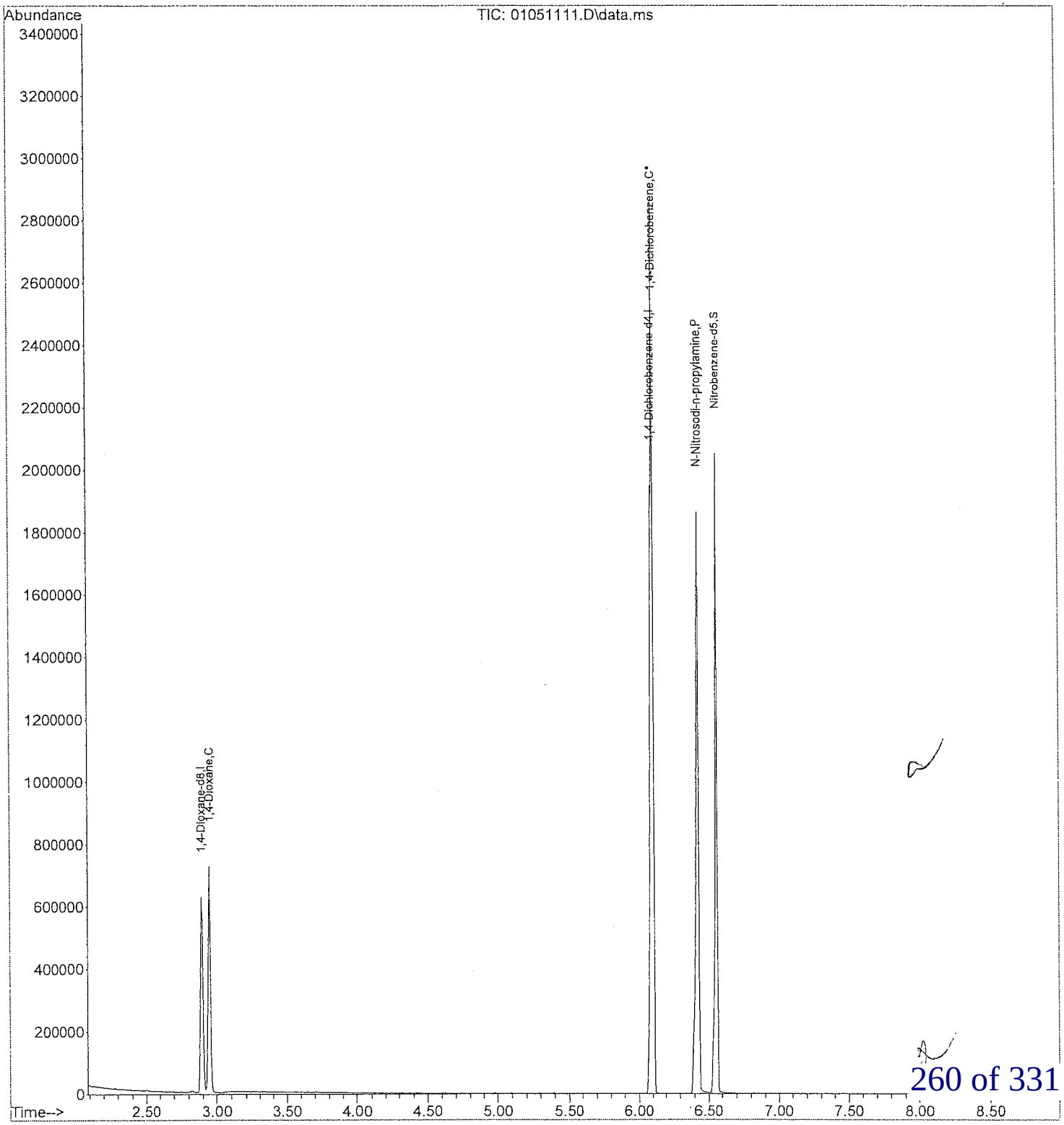
(#) = qualifier out of range (m) = manual integration (+) = signals summed

01.5.11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051111.D
Acq On : 5 Jan 2011 12:25 pm
Operator : CL
Sample : 20ug/mL PU00064
Misc : 1,4-DIOXANE
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 05 12:43:52 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051112.D
Acq On : 5 Jan 2011 12:41 pm
Operator : CL
Sample : 30ug/mL PU00065
Misc : 1,4-DIOXANE
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 05 12:57:20 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.975	96	330882	20.00 ug/mL	0.03
3) 1,4-Dichlorobenzene-d4	6.092	152	235894	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.563	82	1276344	40.36 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.040	88	495415	29.72 ug/mL	98
4) 1,4-Dichlorobenzene	6.104	146	1137949	29.74 ug/mL	100
5) N-Nitrosodi-n-propylamine	6.428	70	858130	41.47 ug/mL	99

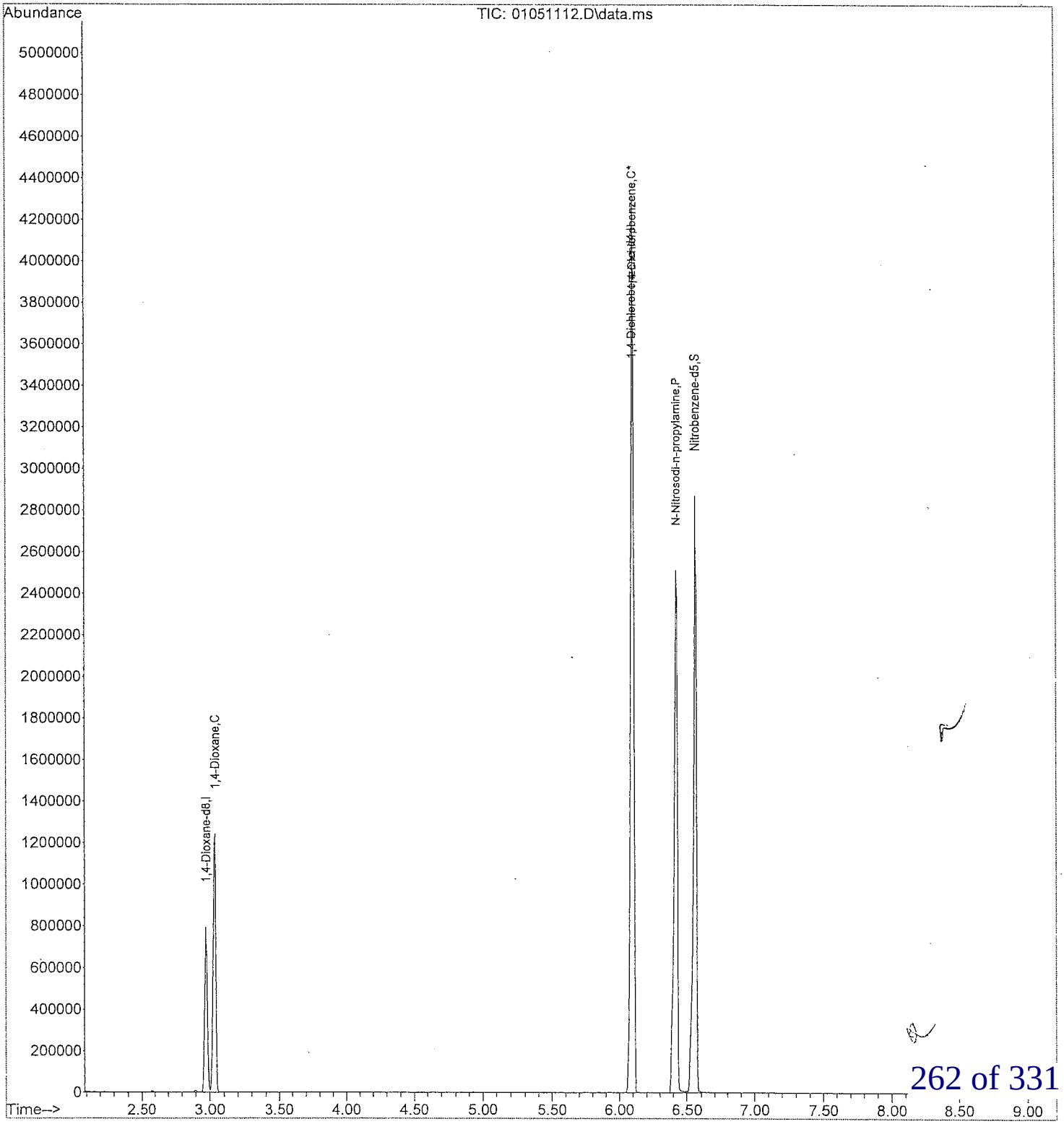
(#) = qualifier out of range (m) = manual integration (+) = signals summed

01.5.11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051112.D
Acq On : 5 Jan 2011 12:41 pm
Operator : CL
Sample : 30ug/mL PU00065
Misc : 1,4-DIOXANE
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 05 12:57:20 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051113.D
Acq On : 5 Jan 2011 12:58 pm
Operator : CL
Sample : 40ug/mL PU00066
Misc : 1,4-DIOXANE
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 05 13:09:05 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.875	96	235570	20.00 ug/mL	-0.07
3) 1,4-Dichlorobenzene-d4	6.093	152	170137	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.569	82	1198475	52.55 ug/mL	0.01
Target Compounds					Qvalue
2) 1,4-Dioxane	2.940	88	479723	40.42 ug/mL	99
4) 1,4-Dichlorobenzene	6.110	146	1084666	39.30 ug/mL	99
5) N-Nitrosodi-n-propylamine	6.434	70	813006	54.48 ug/mL	100

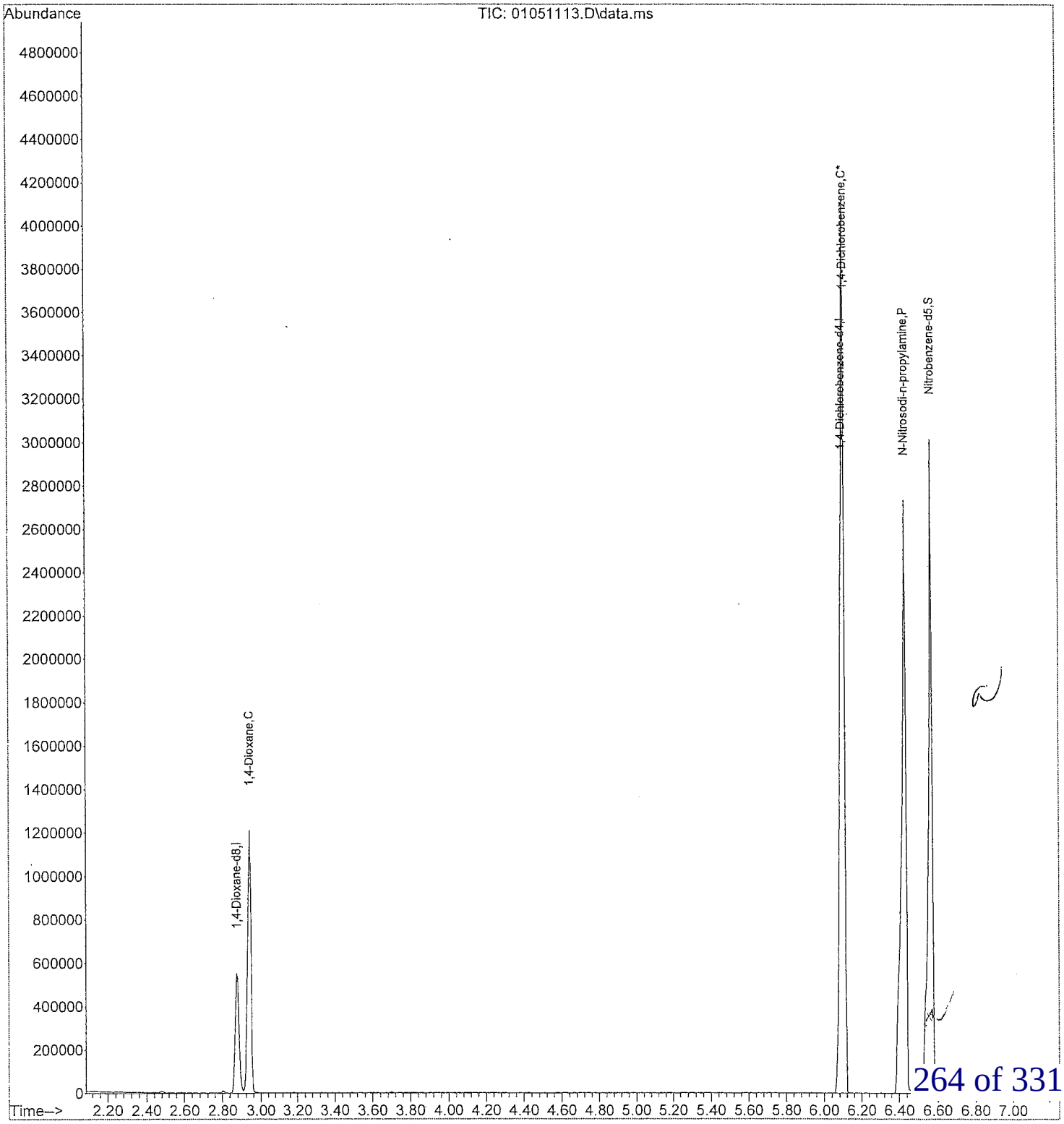
(#) = qualifier out of range (m) = manual integration (+) = signals summed

01.5.11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051113.D
Acq On : 5 Jan 2011 12:58 pm
Operator : CL
Sample : 40ug/mL PU00066
Misc : 1,4-DIOXANE
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 05 13:09:05 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051114.D
Acq On : 5 Jan 2011 1:11 pm
Operator : CL
Sample : 100ug/mL PU0067
Misc : 1,4-DIOXANE
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 05 13:26:30 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.787	96	203549m	20.00 ug/mL	-0.16
3) 1,4-Dichlorobenzene-d4	6.092	152	140662	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.581	82	2386881	126.59 ug/mL	0.02
Target Compounds					Qvalue
2) 1,4-Dioxane	2.863	88	957052m	93.33 ug/mL	
4) 1,4-Dichlorobenzene	6.110	146	2103702	92.19 ug/mL	100
5) N-Nitrosodi-n-propylamine	6.451	70	1646696	133.46 ug/mL	99

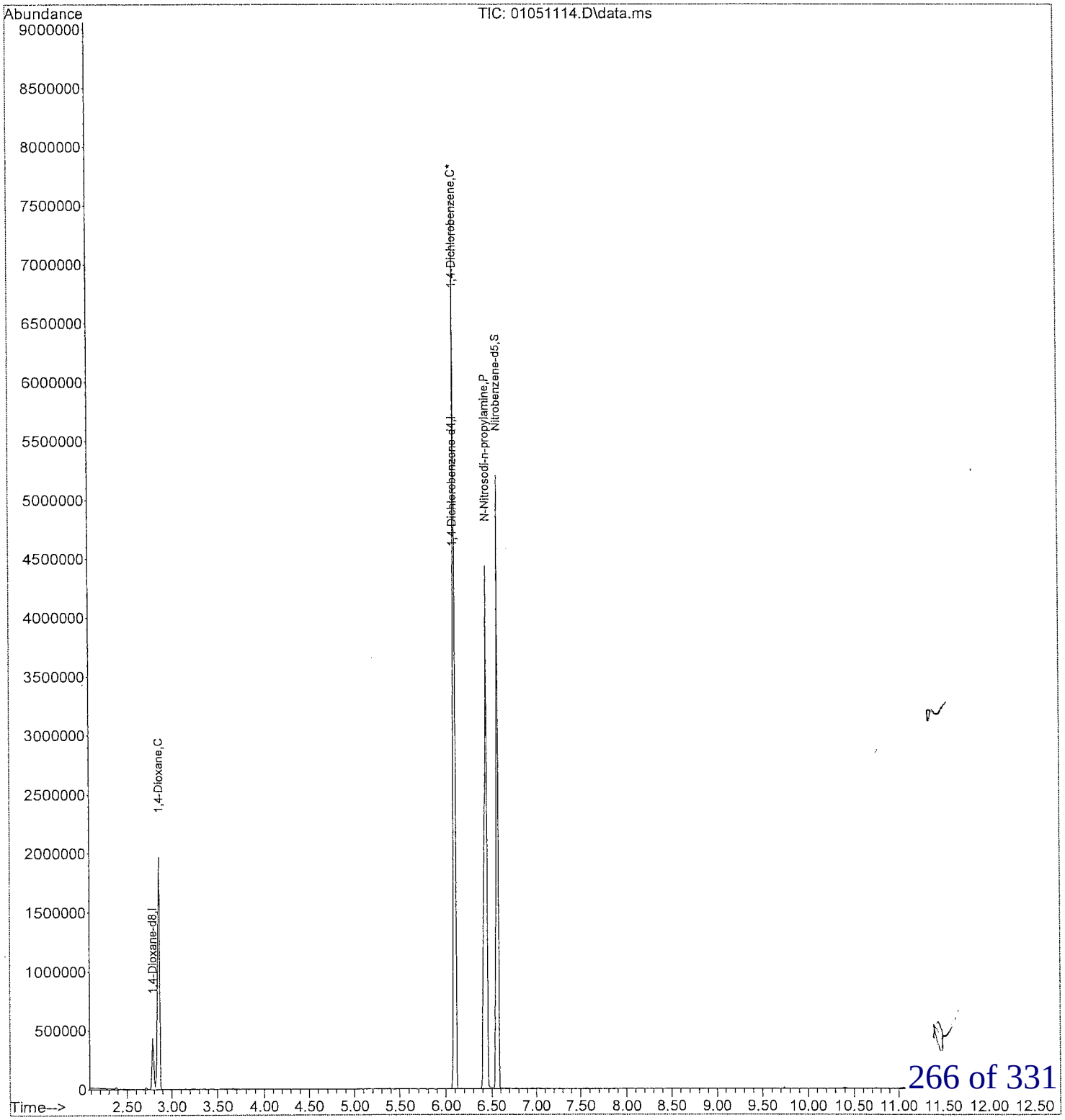
(#) = qualifier out of range (m) = manual integration (+) = signals summed

01.5.11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051114.D
Acq On : 5 Jan 2011 1:11 pm
Operator : CL
Sample : 100ug/mL PU0067
Misc : 1,4-DIOXANE
ALS Vial : 14 Sample Multiplier: 1

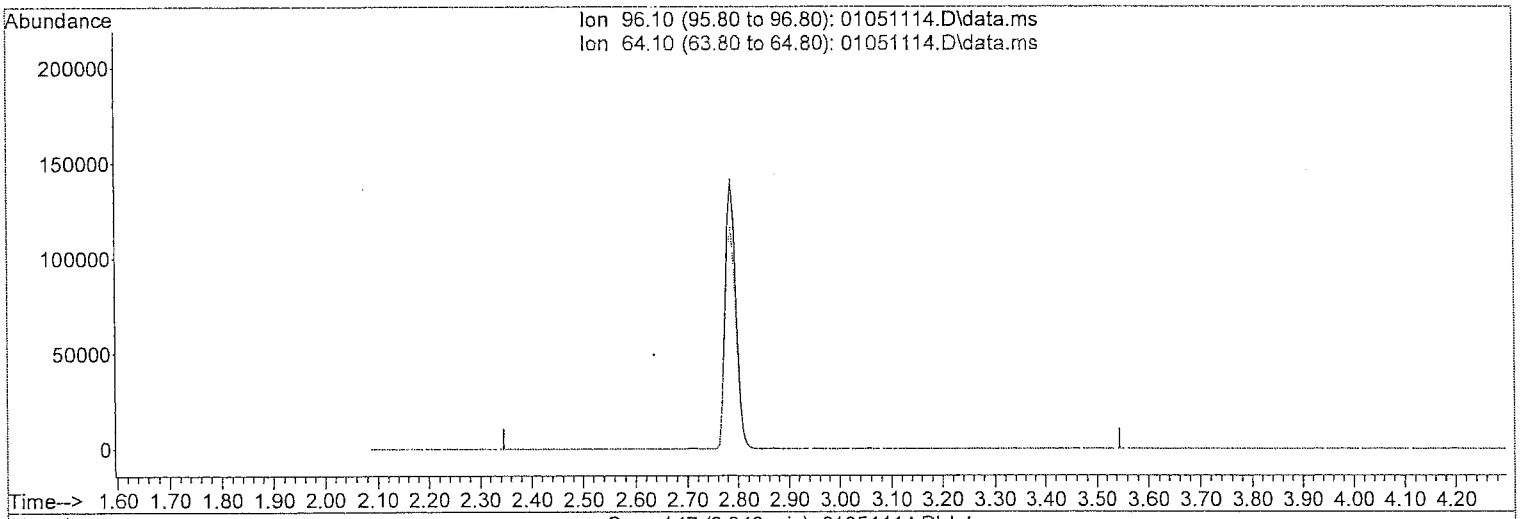
Quant Time: Jan 05 13:26:30 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

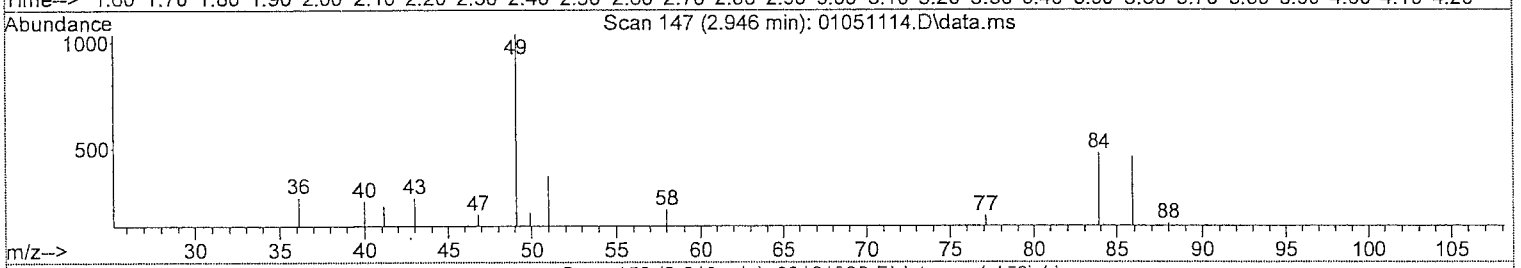


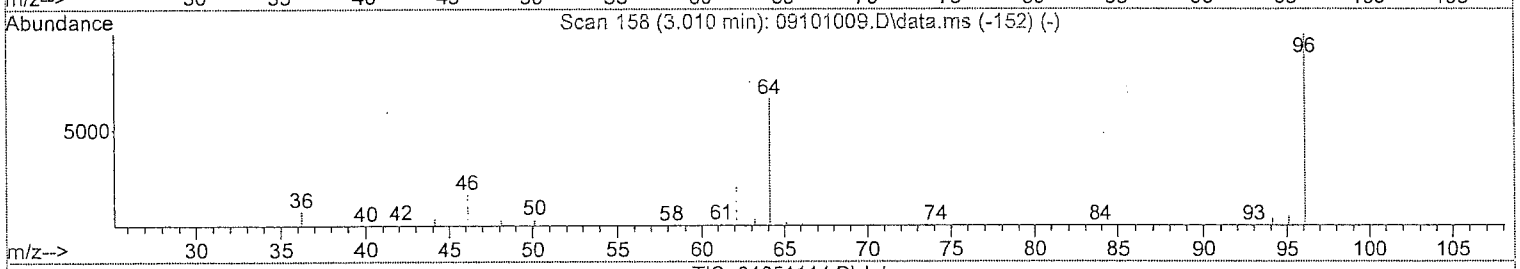
Quantitation Report (Qedit)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051114.D
Acq On : 5 Jan 2011 1:11 pm
Operator : CL
Sample : 100ug/mL PU0067
Misc : 1,4-DIOXANE
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 05 13:24:44 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration







TIC: 01051114.D\data.ms

B

(1) 1,4-Dioxane-d8 (I)

2.946min (-2.946) 0.00ug/mL

response 0

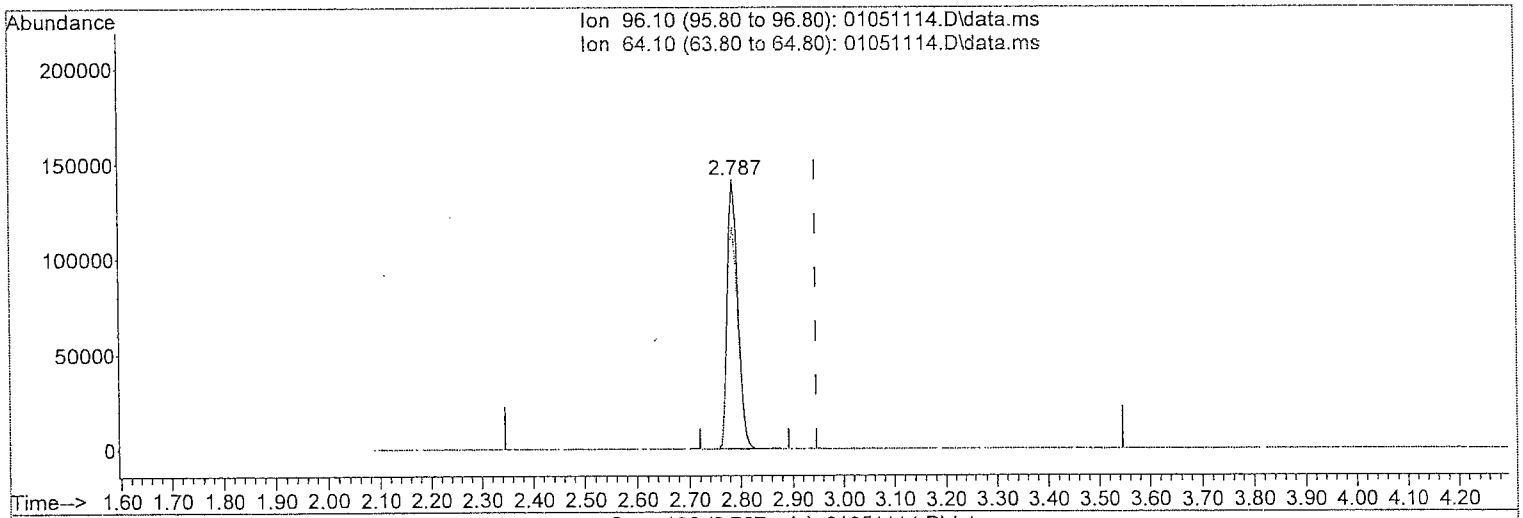
Ion	Exp%	Act%
96.10	100	0.00
64.10	83.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

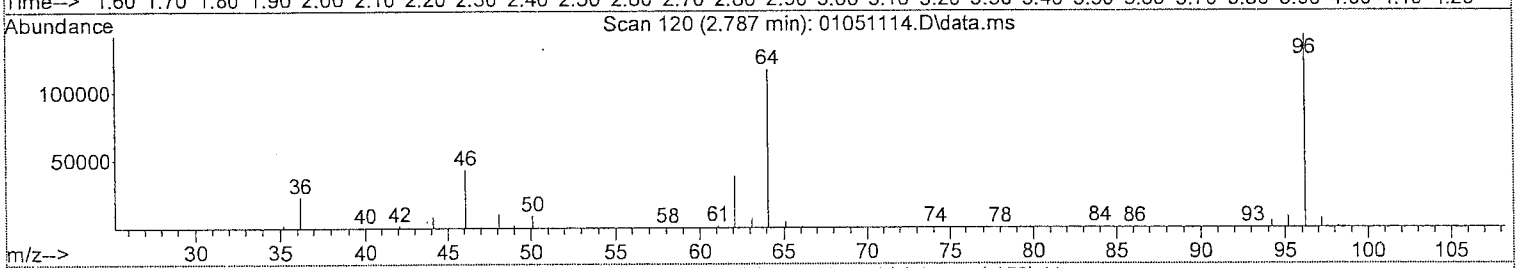
TD
01.5.11

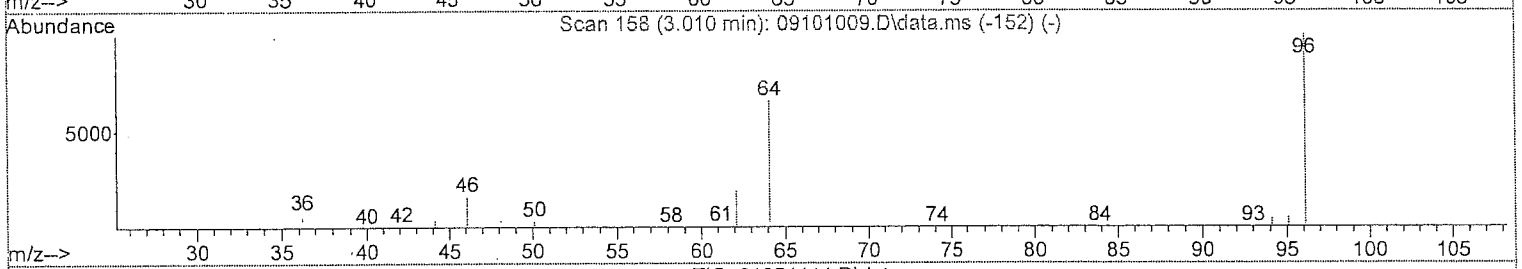
Quantitation Report (Qedit)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051114.D
Acq On : 5 Jan 2011 1:11 pm
Operator : CL
Sample : 100ug/mL PU0067
Misc : 1,4-DIOXANE
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 05 13:24:44 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration







TIC: 01051114.D\data.ms

(1) 1,4-Dioxane-d8 (I)

2.787min (-0.159) 20.00ug/mL m

response 203549

Ion	Exp%	Act%
96.10	100	100
64.10	83.80	83.74
0.00	0.00	0.00
0.00	0.00	0.00

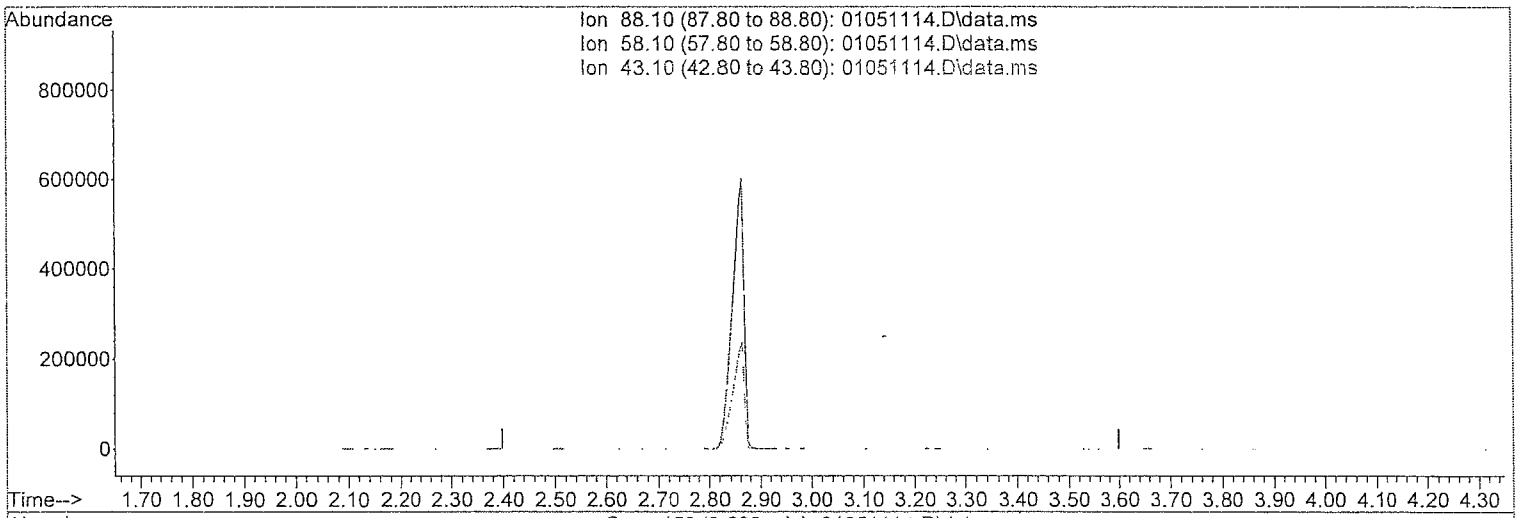
A

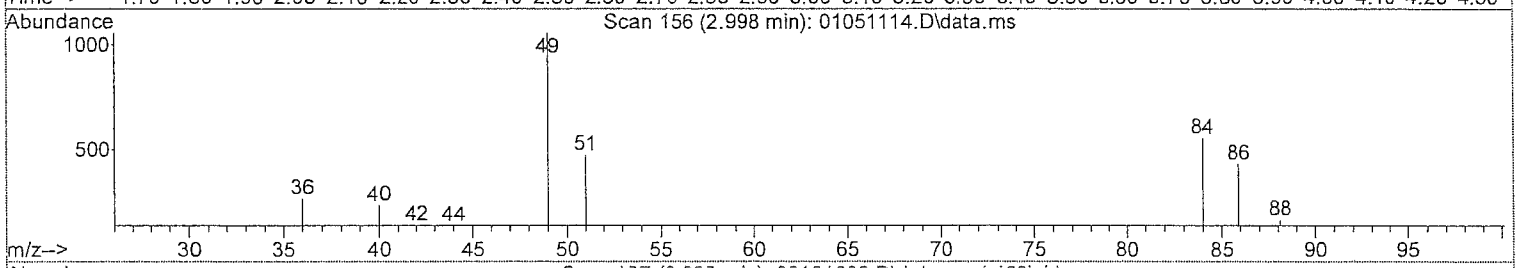
1-5-11

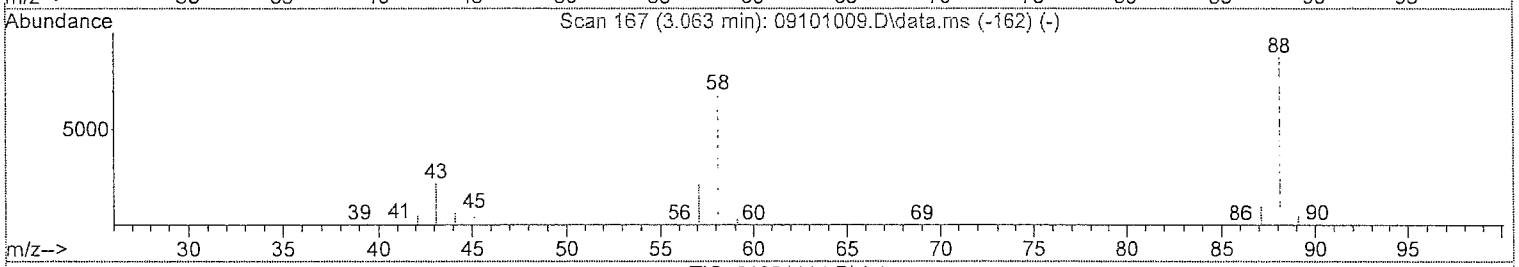
Quantitation Report (Qedit)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051114.D
Acq On : 5 Jan 2011 1:11 pm
Operator : CL
Sample : 100ug/mL PU0067
Misc : 1,4-DIOXANE
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 05 13:24:44 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration







TIC: 01051114.D\data.ms

B

(2) 1,4-Dioxane (C)

2.998min (-2.998) 0.00ug/mL

response 0

Ion	Exp%	Act%
88.10	100	0.00
58.10	97.70	0.00#
43.10	38.10	0.00#
0.00	0.00	0.00

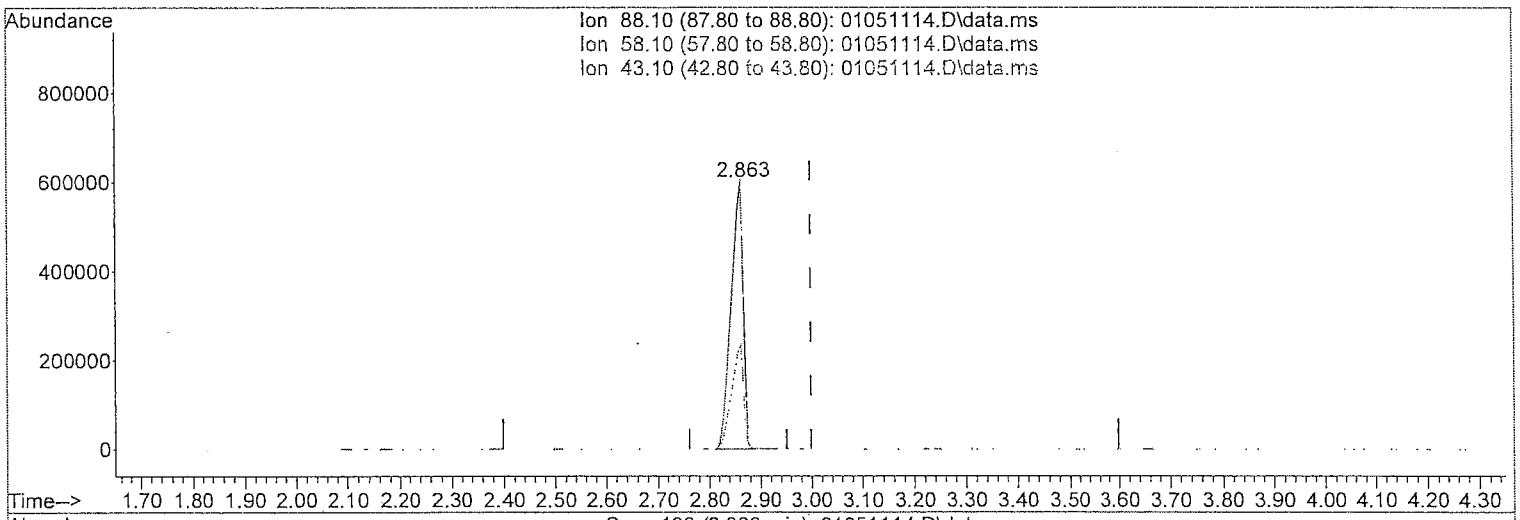
ID

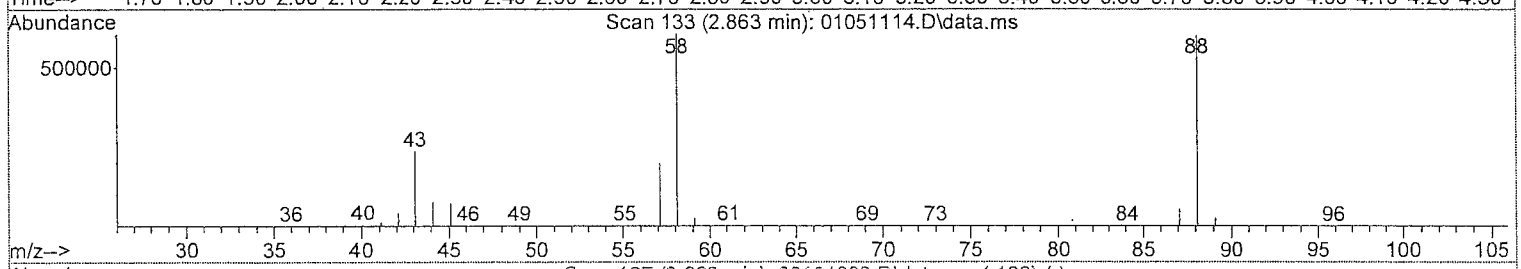
a 1.5.11

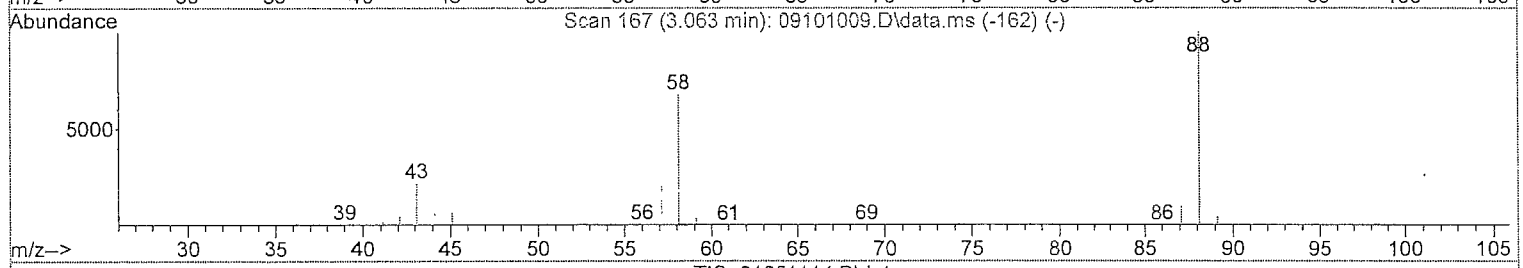
Quantitation Report (Qedit)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051114.D
Acq On : 5 Jan 2011 1:11 pm
Operator : CL
Sample : 100ug/mL PU0067
Misc : 1,4-DIOXANE
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 05 13:24:44 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration







TIC: 01051114.D\data.ms

(2) 1,4-Dioxane (C)

2.863min (-0.135) 93.33ug/mL m

response 957052

Ion	Exp%	Act%
88.10	100	100
58.10	97.70	100.08
43.10	38.10	38.93
0.00	0.00	0.00

A

01.5.11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051115.D
Acq On : 5 Jan 2011 1:33 pm
Operator : CL
Sample : QCS10ug/mL PU00068
Misc : 1,4-DIOXANE
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 05 13:43:34 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 13:29:49 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.946	96	322333	20.00 ug/mL	-0.03
3) 1,4-Dichlorobenzene-d4	6.086	152	233788	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.557	82	43	0.00 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	2.998	88	165372	10.08 ug/mL	98
4) 1,4-Dichlorobenzene	6.081	146	386	0.01 ug/mL#	1

100.8 %

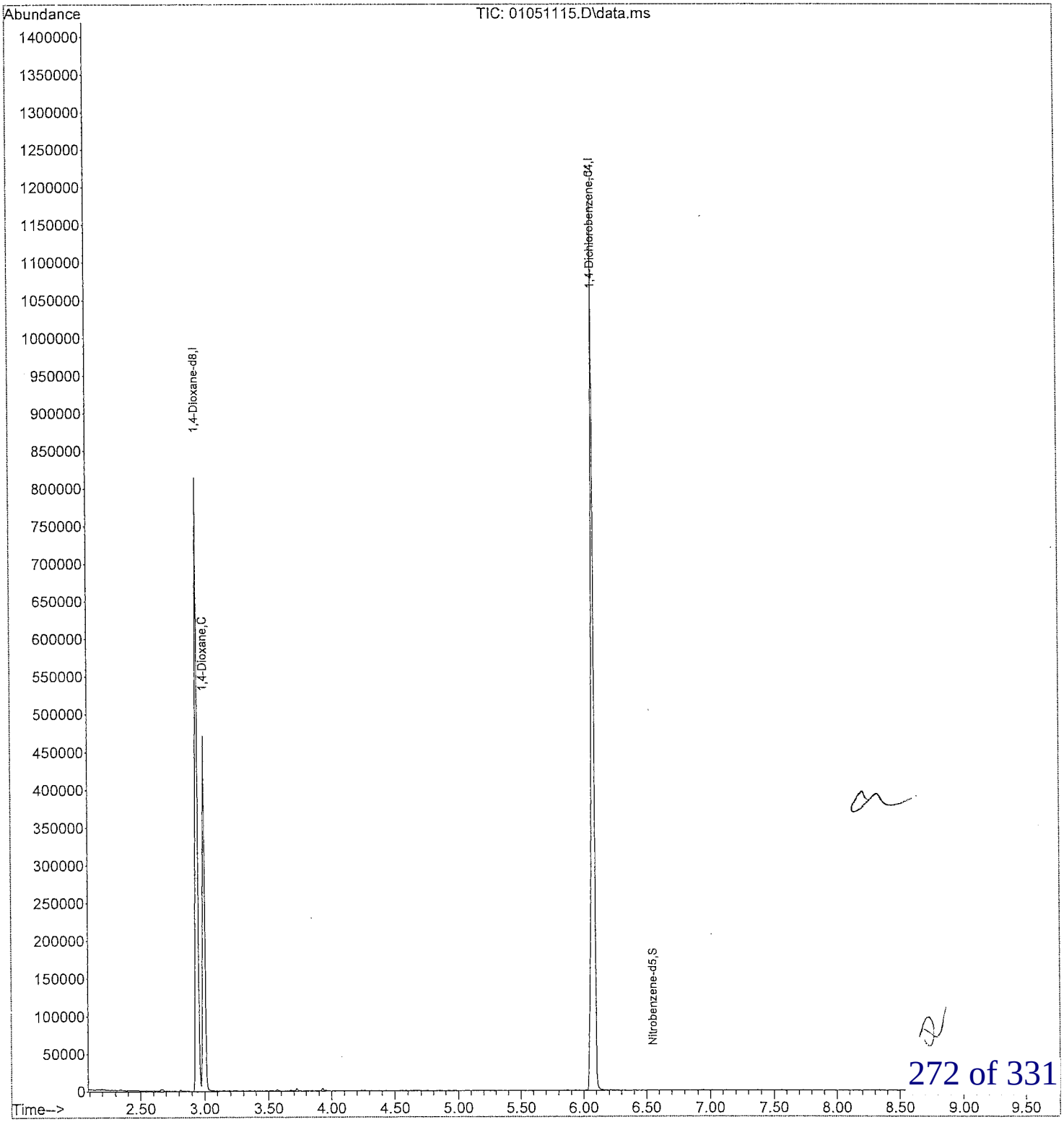
(#) = qualifier out of range (m) = manual integration (+) = signals summed

01.5.11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051115.D
Acq On : 5 Jan 2011 1:33 pm
Operator : CL
Sample : QCS10ug/mL PU00068
Misc : 1,4-DIOXANE
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 05 13:43:34 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 13:29:49 2011
Response via : Initial Calibration



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL DATA

METHOD: EPA 8270C

DATE: 03/11/11 &
03/14/11

WORK ORDER: PUC0526-01

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Attachment 9
ANALYTICAL DATA REVIEW CHECKLIST

SOP PE-SVD-014 R.1
1, 4-Dioxane by Modified EPA 8270C

Analyst: C. Lauria	Batch ID# 11C0359	Date Analyzed: 3/11/11

	Description	Yes	No	NA[1]
1.	Tune			
-	DFTPP (~~50~~ 25 ng) meets method criteria?	✓		
-	Tailing – Benzidine (Base/Neutrals) ≤ 3.0?	✓		
-	All samples analyzed <12 hours from time of Tune?	✓		
2.	Calibration Curve (minimum of 5 levels)	✓		
-	SPCC N-Nitroso-propylamine meets min. RF 0.05?	✓		
-	CCC 1,4-Dichlorobenzene ≤30%	✓		
-	All compounds RSD ≤20% or linear/quadratic $r^2 \geq 0.99$	✓		
-	QCS recovered ± 30%	✓		
-	Date of Initial Calibration: 01 05 11D Instrument: G Cms 14			
3.	Retention Times Updated?		✓	
4.	CCVs all analytes ~~recovered~~ within ± 20% (includes CCC 1, 4-Dichlorobenzene)?	✓		
-	SPCC N-Nitroso-propylamine meets min. RF 0.05?	✓		
-	Internal Standard RT ± 0.5 min. from 10 ~~ppb~~ µg/mL std. in ICAL?	✓		
-	Internal Standard Areas -50% to +100% ~~200%~~ of 10 ~~ppb~~ µg/mL std. in ICAL?	✓		
-	Analyte RRTs ± 0.06 from ~~50ppb~~ 10 µg/mL std. in ICAL?	✓		
5.	Method Blank extracted with batch?	✓		
-	All target analytes recovered <RL?	✓		
6.	LCS/LCSD extracted with batch?	✓		
-	Recoveries within Laboratory Limits?	✓		
-	RPDs ≤ Laboratory Limits?	✓		
7.	MS/MSD extracted with batch?			✓
-	Recoveries within Historical Limits?			
-	RPDs Laboratory Limits?			
8.	Samples extracted within 7 days from collection?	✓		
-	Samples analyzed within 40 days from extraction?	✓		
-	Internal Standard RT ± 0.5 min. from CCV?	✓		
-	Internal Standard Areas -50% to +100% ~~200%~~ of 10 ~~ppb~~ µg/mL std. in ICAL?	✓		
-	Maximum of 20 samples in batch?	✓		
-	Surrogate recoveries within Historical Limits?	✓		

Comments: IS Element ID(s): PT02037 (1,4-DCB-d4)

MS stop before running PUC0526-01 → see 03141L.S

Review Signatures:	Analyst: C Lauria	Date: 3/16/11
	Reviewer: Amy Klemmish	Date: 3/17/11

[1]) NA: Not Applicable

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Phoenix

SOP No. PE-SVD-014, R.1
Effective Date: 01/18/2011
Page No.: 1 of 1

Attachment 9
ANALYTICAL DATA REVIEW CHECKLIST

SOP PE-SVD-014 R.1
1, 4-Dioxane by Modified EPA 8270C

Analyst: C. Lawin	Batch ID# 11C0359	Date Analyzed: 3-14-11

	Description	Yes	No	NA[1]
1.	Tune 3:02 PM			
-	DFTPP (~~50~~ 25 ng) meets method criteria?	✓		
-	Tailing – Benzidine (Base/Neutrals) ≤ 3.0?	✓		
-	All samples analyzed <12 hours from time of Tune?	✓		
2.	Calibration Curve (minimum of 5 levels)	✓		
-	SPCC N-Nitroso-propylamine meets min. RF 0.05?	✓		
-	CCC 1,4-Dichlorobenzene ≤30%	✓		
-	All compounds RSD ≤20% or linear/quadratic $r^2 \geq 0.99$	✓		
-	QCS recovered ± 30%	✓		
-	Date of Initial Calibration: 010511D Instrument: ECMS14			
3.	Retention Times Updated?		✓	
4.	CCVs all analytes ~~recovered~~ within ± 20% (includes CCC 1, 4-Dichlorobenzene)?	✓		
-	SPCC N-Nitroso-propylamine meets min. RF 0.05?	✓		
-	Internal Standard RT ± 0.5 min. from 10 ~~ppb~~ ug/mL std. in ICAL?	✓		
-	Internal Standard Areas -50% to + 100 ~~200~~% of 10 ~~ppb~~ ug/mL std. in ICAL?	✓		
-	Analyte RRTs ± 0.06 from ~~50ppb~~ 10 ug/mL std. in ICAL?	✓		
5.	Method Blank extracted with batch?			
-	All target analytes recovered <RL?			
6.	LCS/LCSD extracted with batch?			
-	Recoveries within Laboratory Limits?			
-	RPDs ≤ Laboratory Limits?			
7.	MS/MSD extracted with batch?			
-	Recoveries within Historical Limits?			
-	RPDs Laboratory Limits?			
8.	Samples extracted within 7 days from collection?	✓		
-	Samples analyzed within 40 days from extraction?	✓		
-	Internal Standard RT ± 0.5 min. from CCV?	✓		
-	Internal Standard Areas -50% to + 100 ~~200~~% of 10 ug/mL ~~ppb~~ std. in ICAL?	✓		
-	Maximum of 20 samples in batch?	✓		
-	Surrogate recoveries within Historical Limits?	✓		

Comments: IS Element ID(s): PT02037 (1,4-DCB-d4)

Review Signatures:	Analyst: C Lawin	Date: 3/16/11
	Reviewer: Amy Slemmons	Date: 3/17/11

[1]) NA: Not Applicable

TestAmerica
Phoenix

GCMS 14 - RUN LOGBOOK

Sequence Name: D:¥MSDCHEM¥1¥GCMS14¥SEQUENCE¥031111A.S
Comment:
Operator: CL/AC/JR
Data Path: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031111¥
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

a 3/15/11

Line			Sample Name/Misc Info		
1)	Sample	1	03111101	DB5MS14	DCM
2)	Sample	2	03111102	DB5MS14	DCM
3)	Sample	3	03111103	DB5MS14	25ng tune std pu01447
4)	Sample	4	03111104	DIOXANE	DCM
5)	Sample	5	03111105	DIOXANE	10ug/mL 14diox-01520
6)	Sample	6	03111106	DIOXANE	11C0359-BLK1
7)	Sample	7	03111107	DIOXANE	11C0359-BS1
8)	Sample	8	03111108	DIOXANE	11C0359-BSD1
9)	Sample	9	03111109	DIOXANE	PUC0525-01
10)	Sample	10	03111110	DIOXANE	PUC0525-02
11)	Sample	11	03111111	DIOXANE	PUC0525-03
12)	Sample	12	03111112	DIOXANE	PUC0525-04
13)	Sample	13	03111113	DIOXANE	PUC0525-05
14)	Sample	14	03111114	DIOXANE	PUC0525-06
15)	Sample	15	03111115	DIOXANE	PUC0525-07
16)	Sample	16	03111116	DIOXANE	PUC0525-08
17)	Sample	17	03111117	DIOXANE	PUC0525-09
18)	Sample	18	03111118	DIOXANE	PUC0526-01 no data ms stop a 3/15/11

a 3-15-11

Sequence Reviewed By: a Date: 3-15-11

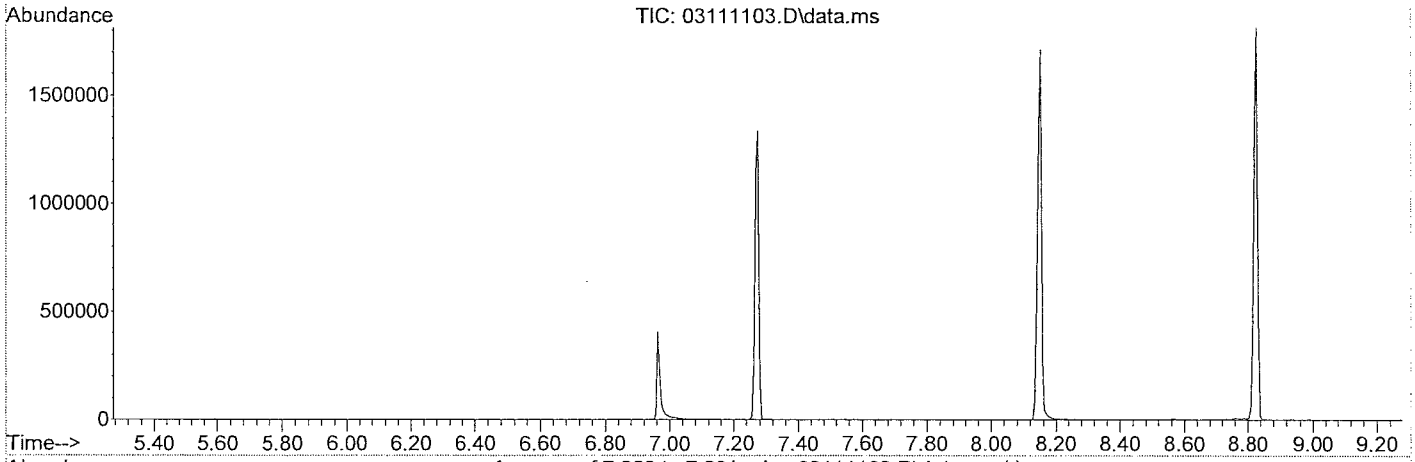
Date Analyzed: 3-15-11 Analyst: a Date Run: 3-11-11 A

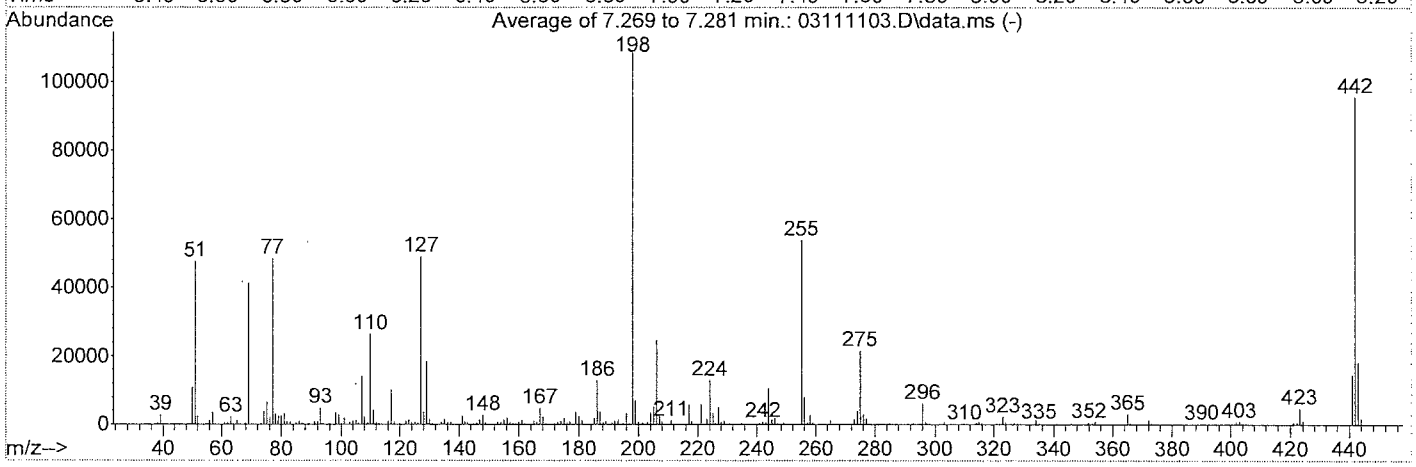
DFTPP

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥
Data File : 03111103.D
Acq On : 11 Mar 2011 5:49 pm
Operator : CL
Sample : 25ng tune std pu01447
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: rteint.p

Method : D:¥msdchem¥1¥GCMS14¥METHODS¥TUNE8270.M
Title : DFTPP,TAILING EVA.:ACID<5.0,BN<3.0,DEG.<=20%
Last Update : Thu Feb 17 11:44:41 2011





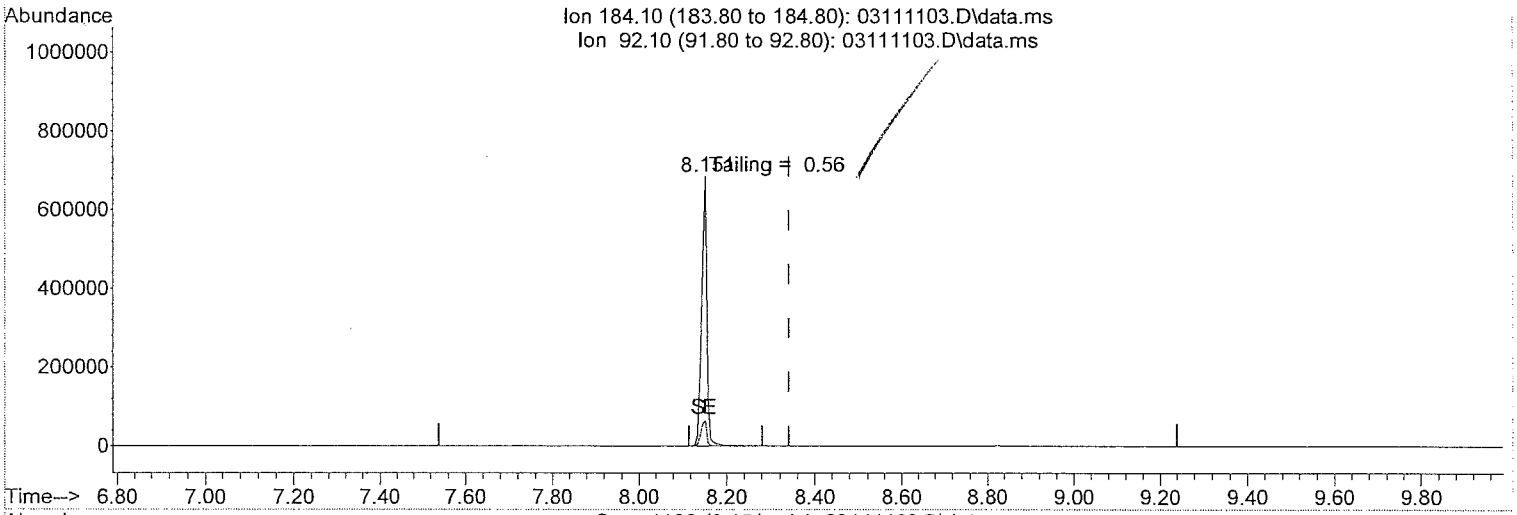
AutoFind: Scans 950, 951, 952; Background Corrected with Scan 945

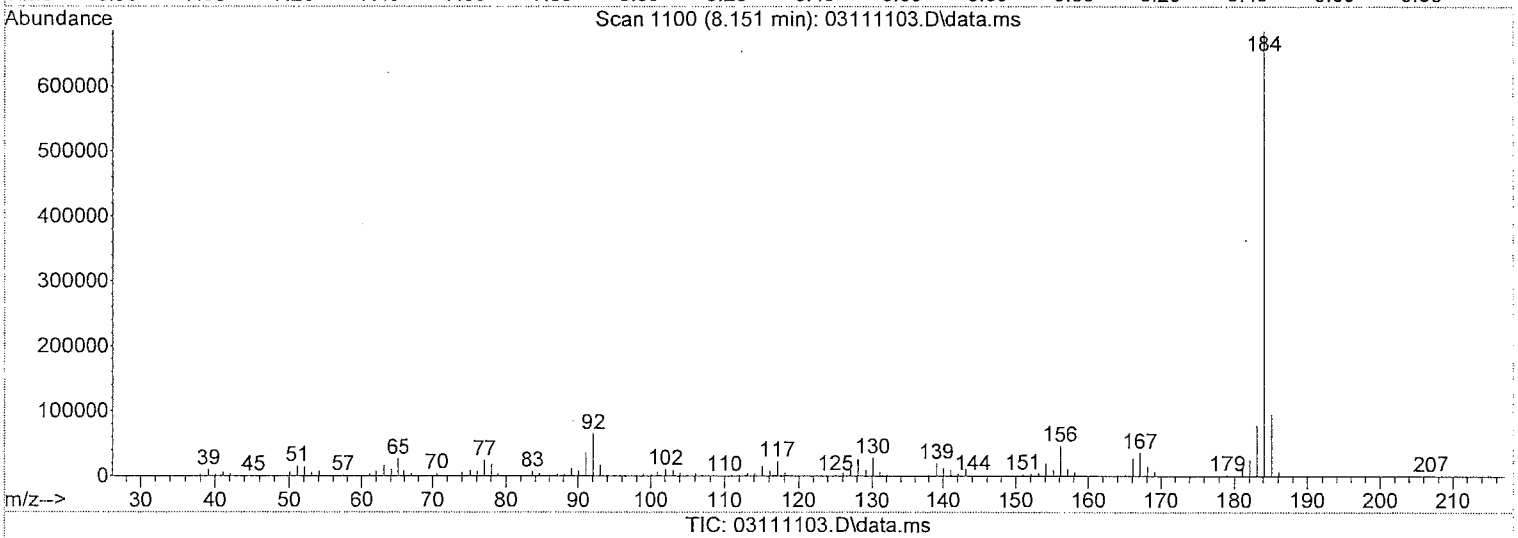
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	43.6	47492	PASS
68	69	0.00	2	1.2	507	PASS
69	198	0.00	100	37.7	41131	PASS
70	69	0.00	2	0.3	136	PASS
127	198	40	60	44.9	48970	PASS
197	198	0.00	1	0.3	347	PASS
198	198	100	100	100.0	108992	PASS
199	198	5	9	6.4	6984	PASS
275	198	10	30	19.6	21401	PASS
365	198	1	100	2.7	2957	PASS
441	443	0.01	100	79.1	14337	PASS
442	198	40	100	87.7	95592	PASS
443	442	17	23	19.0	18132	PASS

Quantitation Report (Qedit)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥
Data File : 03111103.D
Acq On : 11 Mar 2011 5:49 pm
Operator : CL
Sample : 25ng tune std pu01447
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 11 18:07:29 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥TUNE8270.M
Quant Title : DFTPP,TAILING EVA.:ACID<5.0,BN<3.0,DEG.<=20%
QLast Update : Thu Feb 17 11:44:41 2011
Response via : Continuing Cal File: D:¥msdchem¥1¥GCMS14¥DATA¥091010A¥09101002.D





TIC: 03111103.D\data.ms

(2) Benzidine

8.151min (-0.188) 7.07

response 555057

Ion	Exp%	Act%
184.10	100	100
92.10	10.20	10.33
0.00	0.00	0.00
0.00	0.00	0.00

3/17/11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥
Data File : 03111105.D
Acq On : 11 Mar 2011 6:41 pm
Operator : CL
Sample : 10ug/mL 14diox -01520
Misc : ccv
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 11 19:28:43 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.781	96	264537	20.00 ug/mL	0.04
3) 1,4-Dichlorobenzene-d4	5.998	152	226371	10.00 ug/mL	-0.01
System Monitoring Compounds					
6) Nitrobenzene-d5	6.463	82	379125	9.35 ug/mL	-0.02
Target Compounds					Qvalue
2) 1,4-Dioxane	2.834	88	143081	10.63 ug/mL	99
4) 1,4-Dichlorobenzene	6.010	146	388026	10.42 ug/mL	99
5) N-Nitrosodi-n-propylamine	6.328	70	266079	9.84 ug/mL	100

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

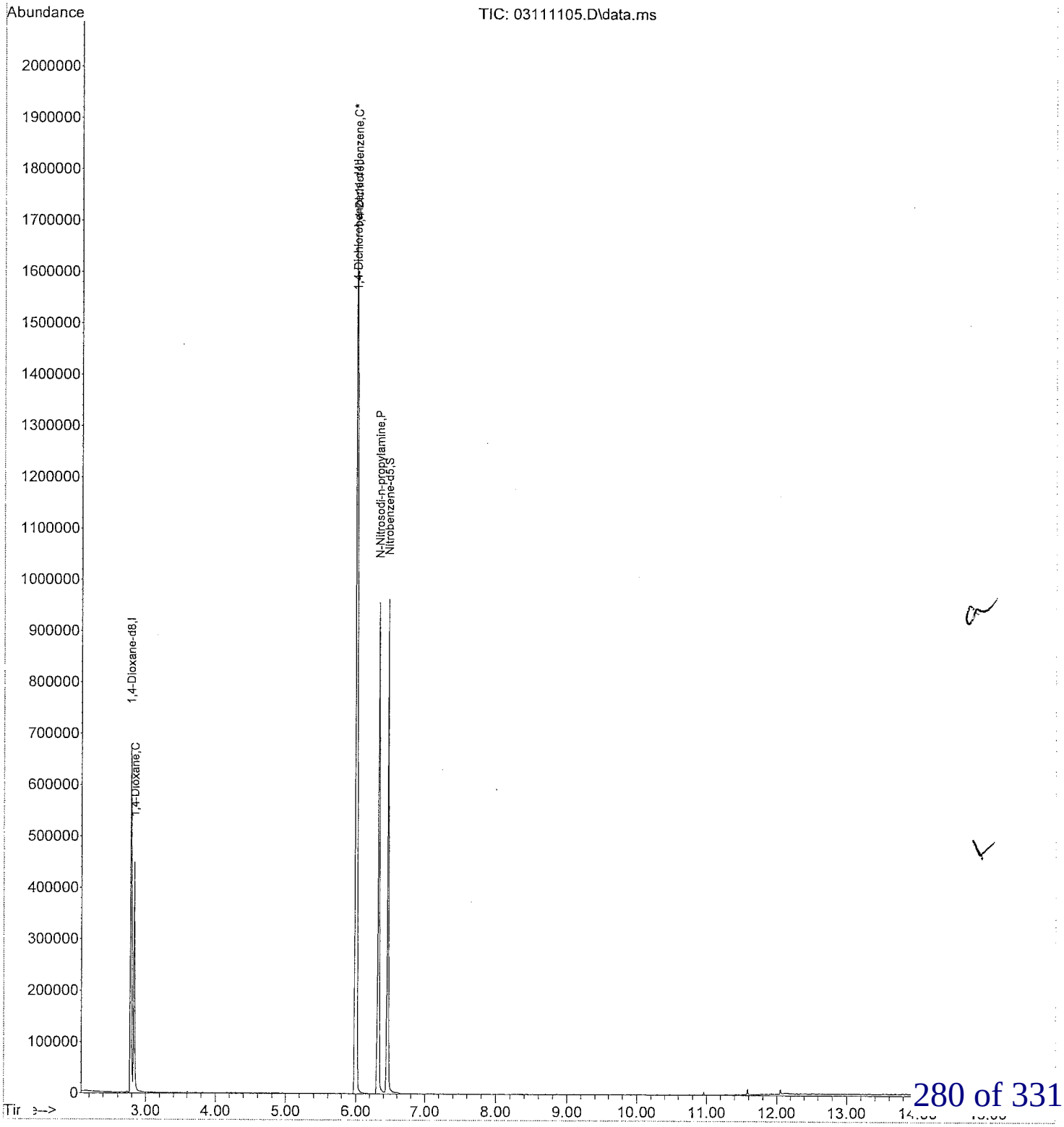
03-15-11

A 3/17/11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥
Data File : 03111105.D
Acq On : 11 Mar 2011 6:41 pm
Operator : CL
Sample : 10ug/mL 14diox -01520
Misc : ccv
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 11 19:28:43 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration



010511D.M Fri Mar 11 19:29:06 2011

Compound List Report GCMS14

Method Path : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\
Method File : 010511D.M
Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
Last Update : Mon Feb 28 10:27:25 2011
Response Via : Initial Calibration

Total Cpnds : 6

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	1,4-Dioxane-d8	96	2.746	1.000	A	1	A	B
2	C	1,4-Dioxane	88	2.793	1.017	A	2	A	B
3	I	1,4-Dichlorobenzene-d4	152	6.010	1.000	A	0	A	B
4	C*	1,4-Dichlorobenzene	146	6.028	1.003	A	1	A	B
5	P	N-Nitrosodi-n-propylamine	70	6.345	1.056	A	1	A	B
6	S	Nitrobenzene-d5	82	6.481	1.078	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

010511D.M Fri Mar 11 19:29:16 2011

Evaluate Continuing Calibration Report

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥
Data File : 03111105.D
Acq On : 11 Mar 2011 6:41 pm
Operator : CL
Sample : 10ug/mL 14diox -01520
Misc : ccv
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 11 19:28:43 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 40% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 400%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dioxane-d8	1.000	1.000	0.0	81	0.04
2	C	1,4-Dioxane	1.018	1.082	-6.3	83	0.04
3	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	-0.01
4	C*	1,4-Dichlorobenzene	1.644	1.714	-4.3	96	-0.02
5	P	N-Nitrosodi-n-propylamine	1.195	1.175	1.7	87	-0.02
6	S	Nitrobenzene-d5	1.792	1.675	6.5	83	-0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

3-15-11

3/17/11

Sample Name 10ug/mL 14diox -01520
Data File Name 03111105.D
Data File Path D:\msdchem\1\GCMS14\DATA\031111A\
Operator CL
Date Acquired 3/11/2011 18:41
Misc Info ccv
Instrument Name GCMS14

10ug/mL PU00063
01051110.D
D:\msdchem\1\GCMS14\DATA\010511\

	NAME	RT	CCV RRT Value (Target/IS)	mid-RT 010511.M	AGREE -0.06	AGREE 0.06	PASS/FAIL
IS	1,4-Dioxane-d8	2.781					
	1,4-Dioxane	2.834	1.0190	1.0178	0.9578	1.0778	<-PASS
IS	1,4-Dichlorobenzene-d4	5.998					
	1,4-Dichlorobenzene	6.010	1.0020	1.0019	0.9419	1.0619	<-PASS
	N-Nitrosodi-n-propylamine	6.328	1.0549	1.0541	0.9941	1.1141	<-PASS
	Nitrobenzene-d5	6.463	1.0775	1.0763	1.0163	1.1363	<-PASS

3-15-11

3/17/11

Sample Name 10ug/mL 14diox -01520
Data File Name 03111105.D
Data File Path D:\msdchem\1\GCMS14\DATA\031111A\
Operator CL
Date Acquired 3/11/2011 18:41
Misc Info ccv
Instrument Name GCMS14

10ug/mL PU00063
01051110.D
D:\msdchem\1\GCMS14\DATA\010511\
DIOX010511.M

	CCV RESPONSE	**ICAL** RESPONSE	0.5X	2X	**PASS/FAIL**
Internal Standard					
1,4-Dichlorobenzene-d4	226371	243008	121504	486016	<-PASS

Internal Standard	RT	RT	-0.5min.	+0.5min	
1,4-Dichlorobenzene-d4	6.00	6.09	5.59	6.59	<-PASS

3-15-11

3/17/11

Sample Name 10ug/mL 14diox -01520
Data File Name 03111105.D
Data File Path D:\msdchem\1\GCMS14\DATA\031111A\
Operator CL
Date Acquired 3/11/2011 18:41
Misc Info ccv
Instrument Name GCMS14

10ug/mL 14diox -01520
03111105.D
D:\msdchem\1\GCMS14\DATA\031111A\

	SAMPLE RESPONSE	CCV RESPONSE	0.5X	2X	PASS/FAIL
Internal Standard					
1,4-Dichlorobenzene-d4	226371	226371	113185.5	452742	<-PASS

Internal Standard	RT	RT	-0.5min.	+0.5min	
1,4-Dichlorobenzene-d4	6.00	6.00	5.5	6.5	<-PASS

Daily update
a 3-15-11

3/17/11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥
Data File : 03111105.D
Acq On : 11 Mar 2011 6:41 pm
Operator : CL
Sample : 10ug/mL 14diox -01520
Misc : ccv
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 16 10:31:52 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031111_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 10:31:40 2011
Response via : Continuing Cal File: D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥03111105.D

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.998	152	226371	10.00 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane-d8	2.781	96	264537	20.00 ug/mL	100

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

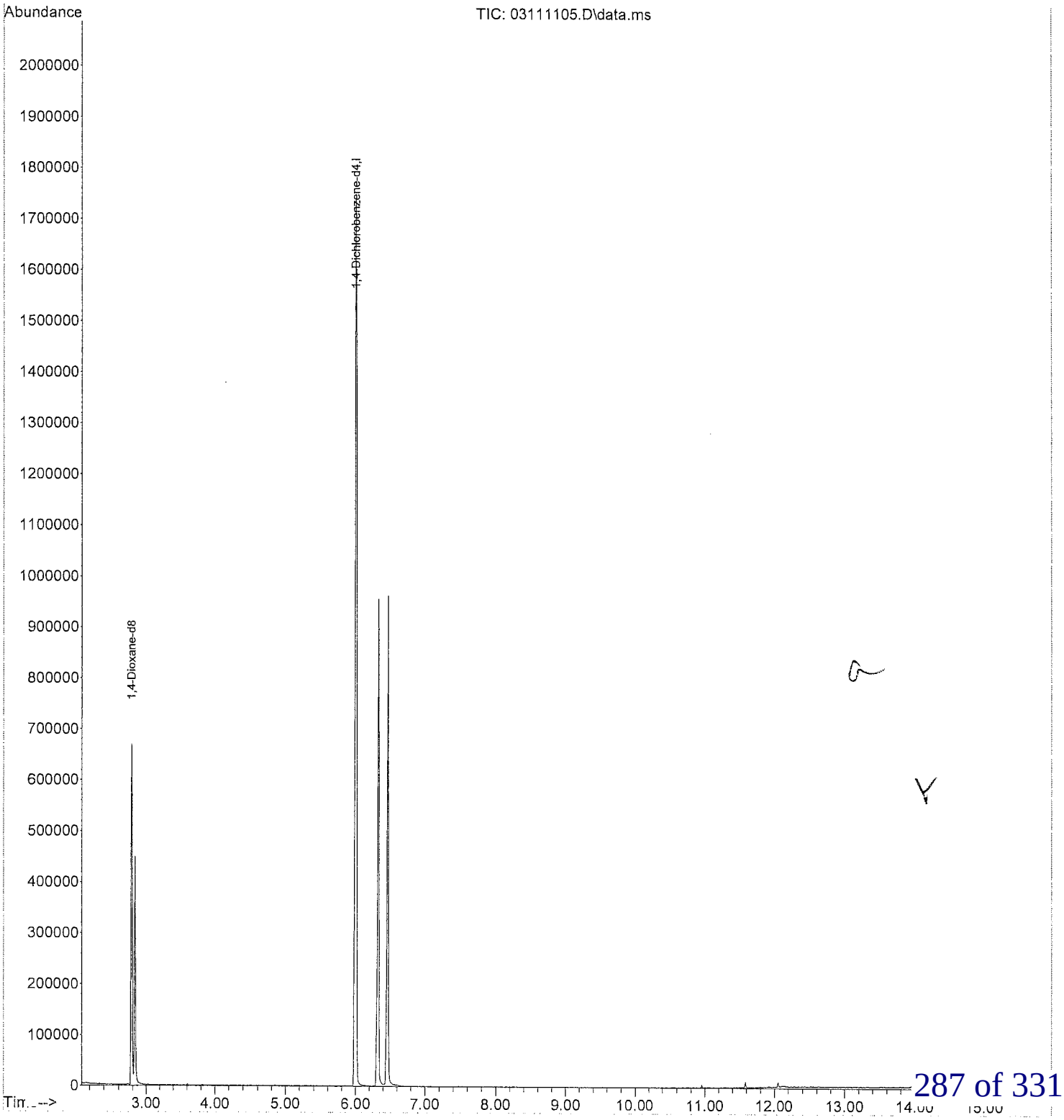
upload 3-16-11

3/17/11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥
Data File : 03111105.D
Acq On : 11 Mar 2011 6:41 pm
Operator : CL
Sample : 10ug/mL 14diox -01520
Misc : ccv
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 16 10:31:52 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031111_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 10:31:40 2011
Response via : Continuing Cal File: D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥03111105.D



Calibration Status Report GCMS14

Method Path : D:\msdchem\1\GCMS14\METHODS\14DIOXD8\
Method File : 031111_D8.M
Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
Last Update : Wed Mar 16 10:31:40 2011
Response Via : Continuing Calibration

#	ID	Conc	ISTD Conc	Path\File
1	1	20	10	D:\msdchem\1\GCMS14\DATA\031111A\03111105.D
2	CC	20	10	D:\msdchem\1\GCMS14\DATA\031111A\03111105.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Mar 16 10:31 2011	Mar 16 10:31 2011	11 Mar 2011 6:41 pm
2	CC	Mar 16 10:31 2011	Mar 16 10:31 2011	11 Mar 2011 6:41 pm

31111_D8.M Wed Mar 16 10:32:16 2011

3-16-11

3/17/11

Compound List Report GCMS14

Method Path : D:\msdchem\1\GCMS14\METHODS\14DIOXD8\
Method File : 031111_D8.M
Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
Last Update : Wed Mar 16 10:31:40 2011
Response Via : Continuing Calibration

Total Cpnds : 2

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1 I	1,4-Dichlorobenzene-d4	152	5.998	1.000	A	0	A	B
2	1,4-Dioxane-d8	96	2.781	0.464	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

31111_D8.M Wed Mar 16 10:32:26 2011

03-16-11

3/17/11

Response Factor Report GCMS14

Method Path : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥
Method File : 031111_D8.M
Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
Last Update : Wed Mar 16 10:31:40 2011
Response Via : Continuing Calibration

Calibration Files
1 =03111105.D

Compound	1	Avg	%RSD
1) I 1,4-Dichlorobenzen...	----------ISTD----------		
2) 1,4-Dioxane-d8	0.584	0.584	0.00

(#) = Out of Range

0-3/26-4

3/17/11

Quantitation Report (Not Reviewed)

23-16-1

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥
Data File : 03111106.D
Acq On : 11 Mar 2011 7:08 pm
Operator : CL
Sample : 11C0359-BLK1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 14 13:57:20 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.775	96	208530	20.00 ug/mL	0.03
3) 1,4-Dichlorobenzene-d4	5.992	152	220055	10.00 ug/mL	-0.02
System Monitoring Compounds					
6) Nitrobenzene-d5	6.463	82	679348	17.23 ug/mL	-0.02
Target Compounds					Qvalue
2) 1,4-Dioxane	2.834	88	53	0.00 ug/mL#	1
4) 1,4-Dichlorobenzene	6.004	146	522	0.01 ug/mL#	1

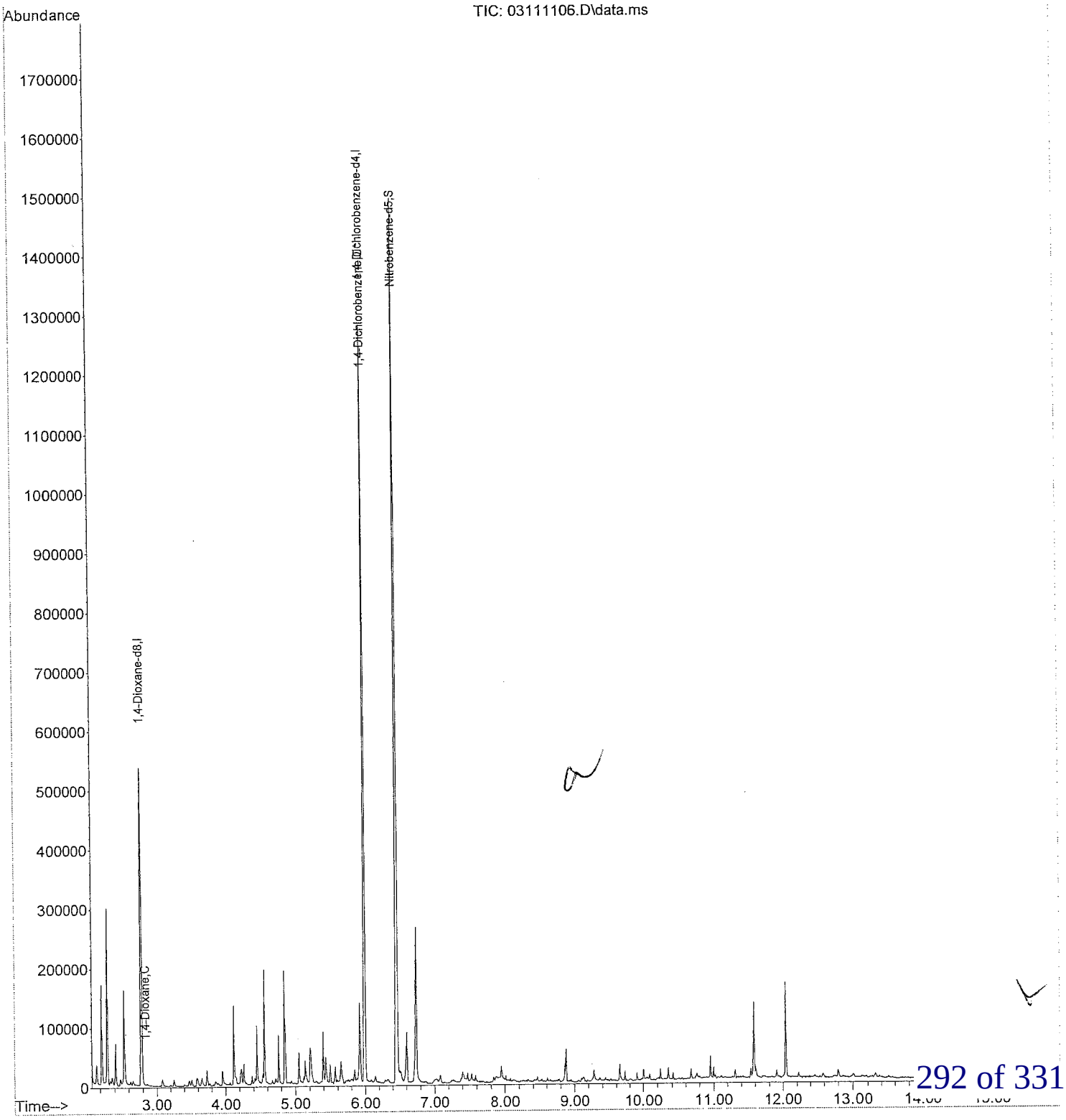
(#) = qualifier out of range (m) = manual integration (+) = signals summed

3/17/11

Quantitation Report (Not Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥
Data File : 03111106.D
Acq On : 11 Mar 2011 7:08 pm
Operator : CL
Sample : 11C0359-BLK1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 14 13:57:20 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration



Sample Name 11C0359-BLK1
Data File Name 03111106.D
Data File Path D:\MSDCHEM\1\GCMS14\DATA\031111A\
Operator CL
Date Acquired 3/11/2011 19:08
Misc Info
Instrument Name GCMS14

10ug/mL 14diox -01520
03111105.D
D:\msdchem\1\GCMS14\DATA\031111A\

	SAMPLE RESPONSE	CCV RESPONSE	0.5X	2X	PASS/FAIL
Internal Standard					
1,4-Dichlorobenzene-d4	220055	226371	113185.5	452742	<-PASS

Internal Standard	RT	RT	-0.5min.	+0.5min	
1,4-Dichlorobenzene-d4	5.99	6.00	5.5	6.5	<-PASS

3/11/11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥
Data File : 03111106.D
Acq On : 11 Mar 2011 7:08 pm
Operator : CL
Sample : 11C0359-BLK1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 16 10:32:47 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031111_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 10:31:40 2011
Response via : Continuing Cal File: D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥03111105.D

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.992	152	220055	10.00 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane-d8	2.775	96	208530	16.22 ug/mL	98

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

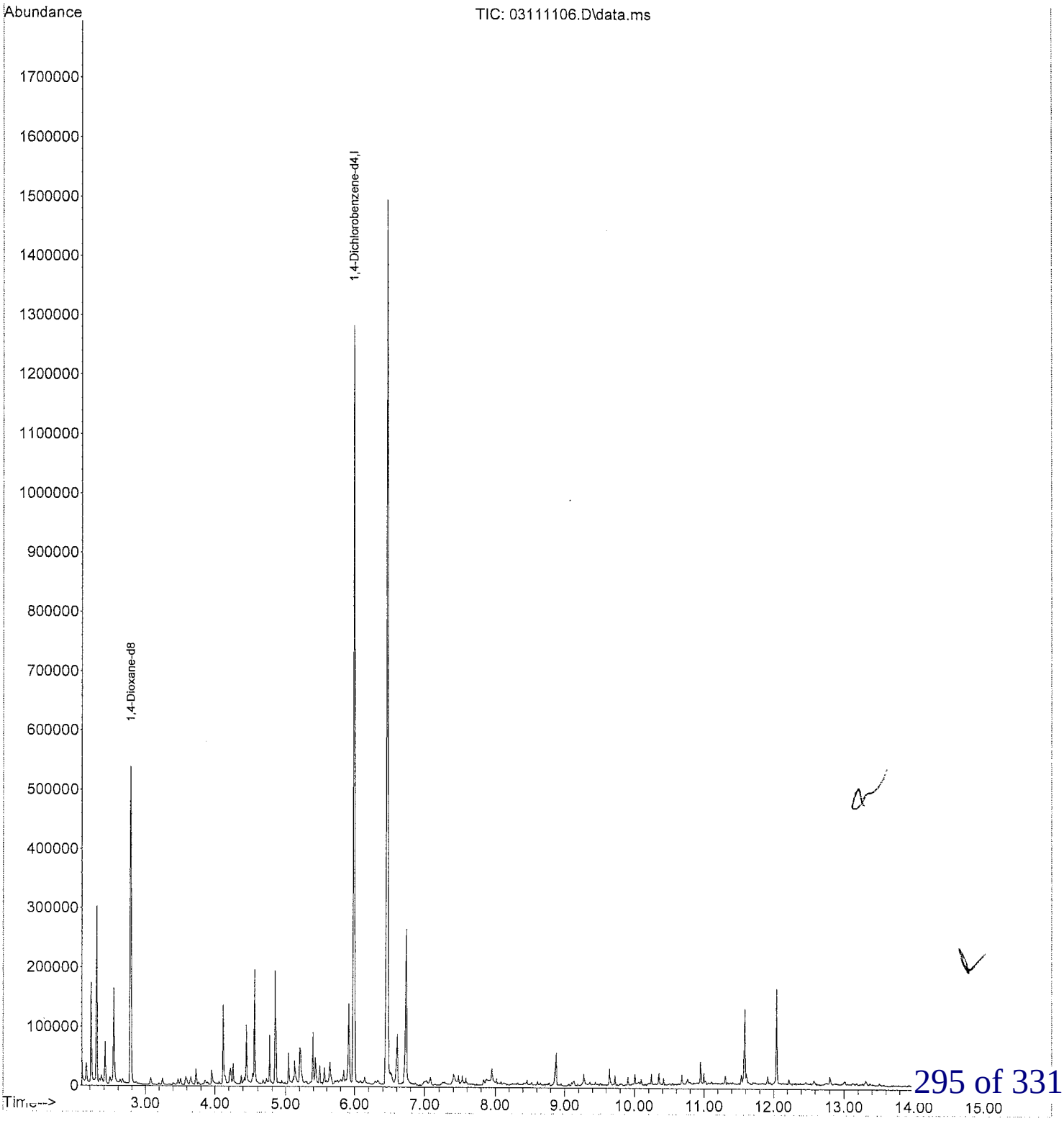
3-16-11

3/17/11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥
Data File : 03111106.D
Acq On : 11 Mar 2011 7:08 pm
Operator : CL
Sample : 11C0359-BLK1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 16 10:32:47 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031111_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 10:31:40 2011
Response via : Continuing Cal File: D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥03111105.D



Quantitation Report (QT Reviewed)

Data Path : r:\031111A\
Data File : 03111107.D
Acq On : 11 Mar 2011 7:34 pm
Operator : CL
Sample : 11C0359-BS1
Misc :
ALS Vial : 7 Sample Multiplier: 1

mwl

Quant Time: Mar 16 10:05:45 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dioxane-d8	2.76	96	197720	20.00	ug/mL	0.01
3) 1,4-Dichlorobenzene-d4	5.99	152	213839	10.00	ug/mL	-0.02
System Monitoring Compounds						
6) Nitrobenzene-d5	6.46	82	656608	17.13	ug/mL	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.82	88	180772m	17.97	ug/mL	
4) 1,4-Dichlorobenzene	6.00	146	512	0.01	ug/mL#	1

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

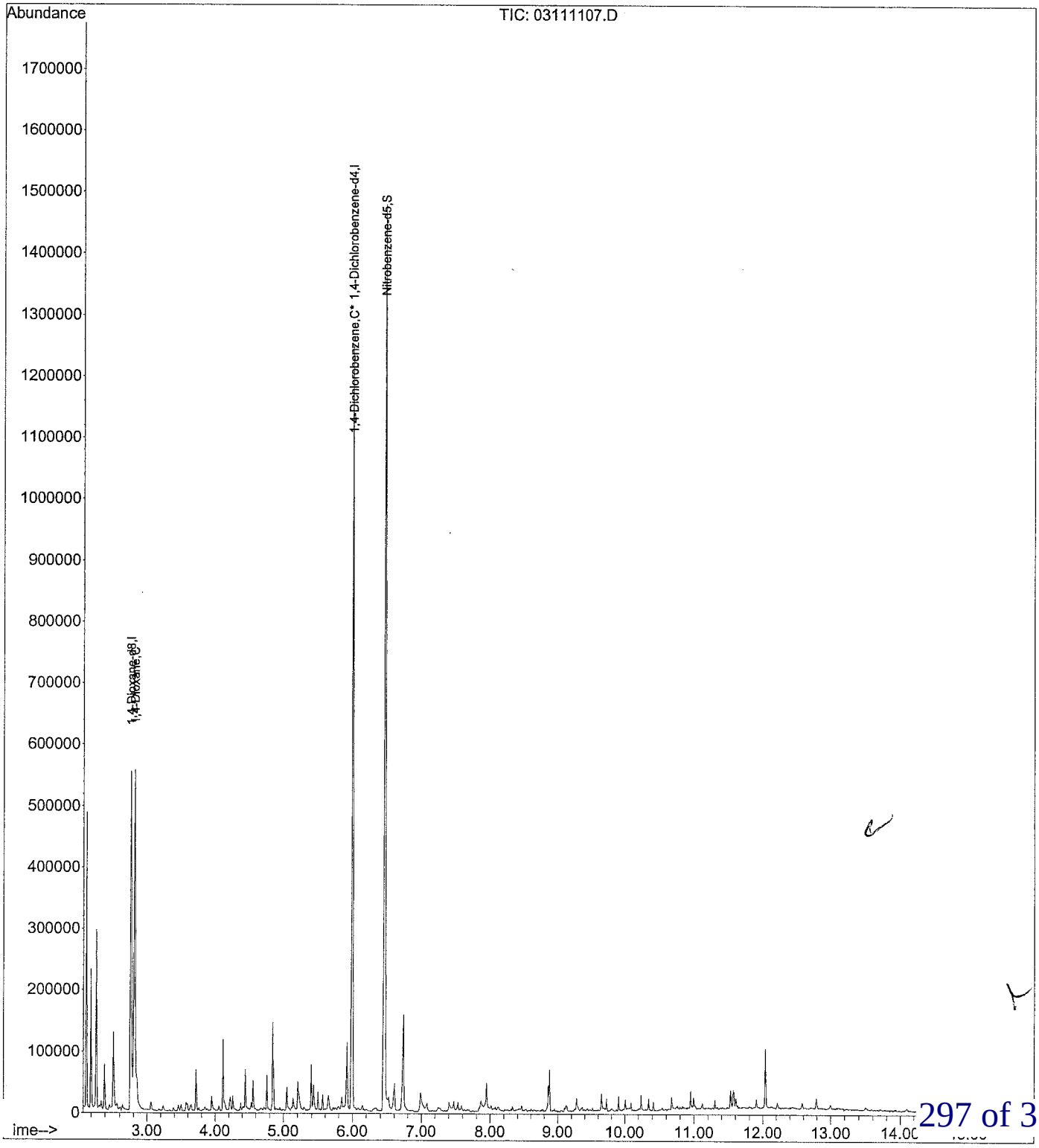
a 3-16-11

3/17/11

Quantitation Report (QT Reviewed)

Data Path : r:\031111A\
Data File : 03111107.D
Acq On : 11 Mar 2011 7:34 pm
Operator : CL
Sample : 11C0359-BS1
Misc :
ALS Vial : 7 Sample Multiplier: 1

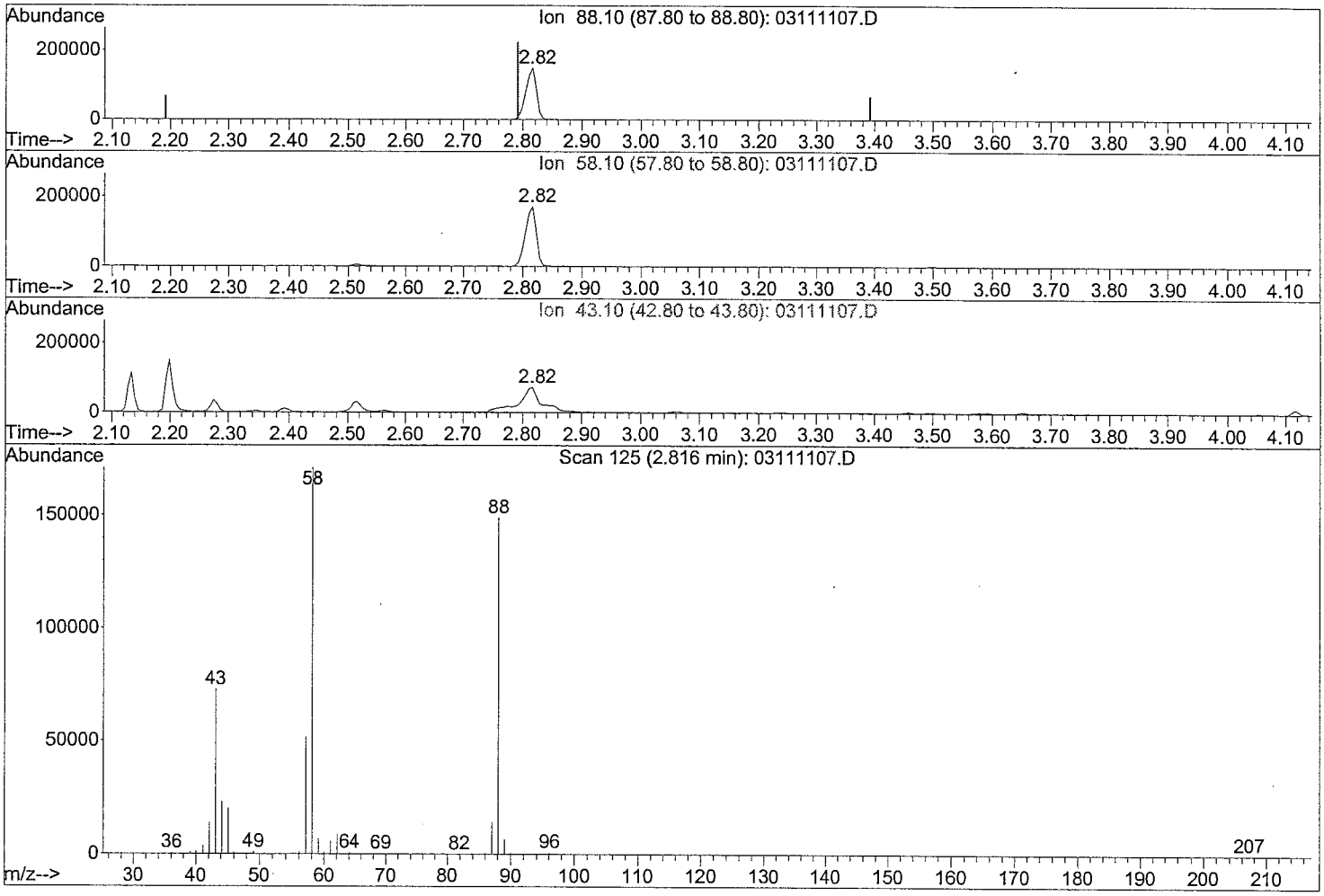
Quant Time: Mar 16 10:05:45 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : r:\031111A\
Data File : 03111107.D
Acq On : 11 Mar 2011 7:34 pm
Operator : CL
Sample : 11C0359-BS1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 14 13:57:27 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration



TIC: 03111107.D

(2) 1,4-Dioxane (C)

2.816min (+0.023) 17.97ug/mL

response 180772

Ion	Exp%	Act%
88.10	100	100
58.10	112.80	117.80
43.10	35.80	109.99#
0.00	0.00	0.00

→ not a quant ion

B

WEP

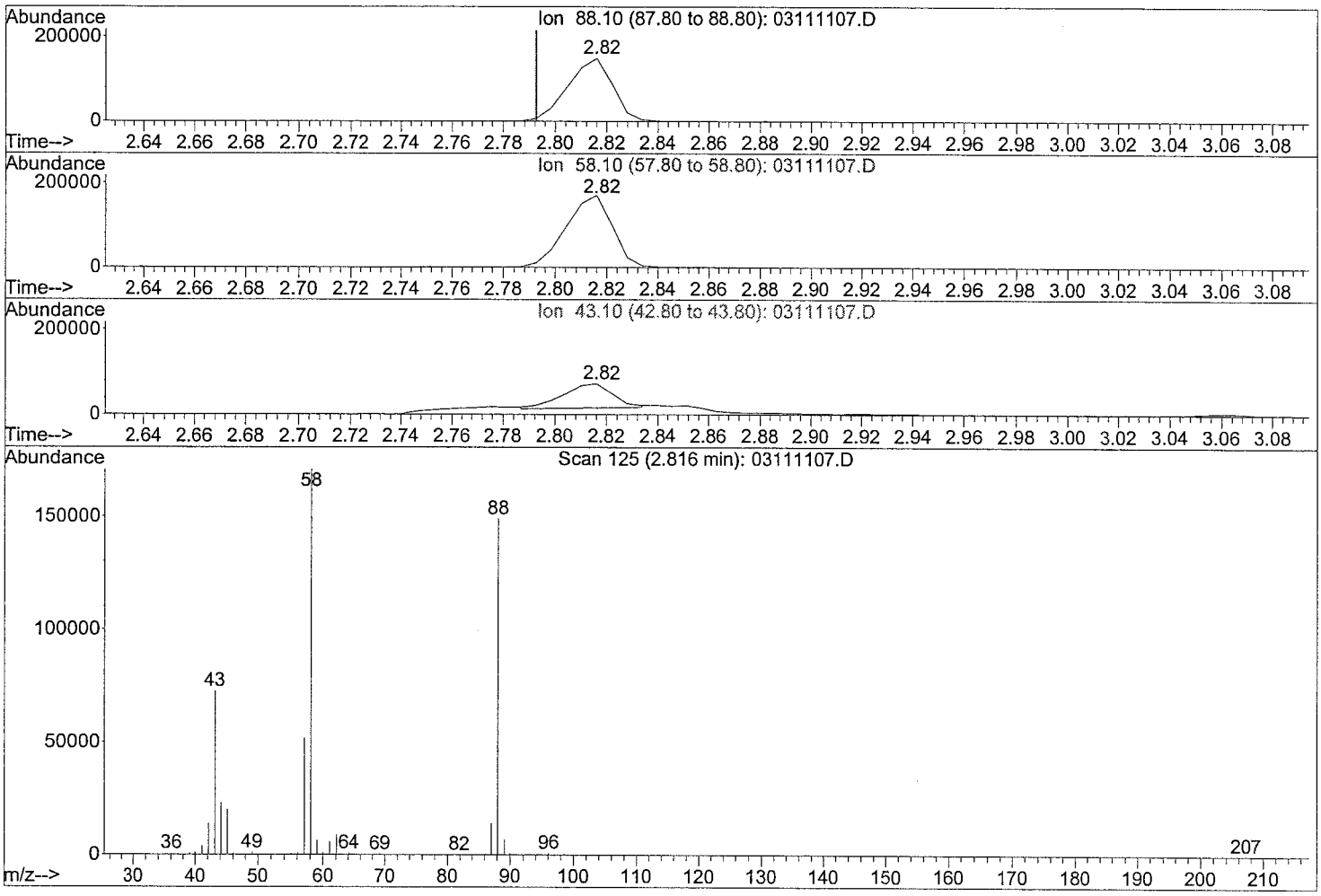
03-16-11

3/17/11

Quantitation Report (Qedit)

Data Path : r:\031111A\
Data File : 03111107.D
Acq On : 11 Mar 2011 7:34 pm
Operator : CL
Sample : 11C0359-BS1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 14 13:57:27 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration



TIC: 03111107.D

(2) 1,4-Dioxane (C)

2.816min (+0.023) 17.97ug/mL m

response 180772

Ion	Exp%	Act%
88.10	100	100
58.10	112.80	117.80
43.10	35.80	42.96
0.00	0.00	0.00

A

03-16-11

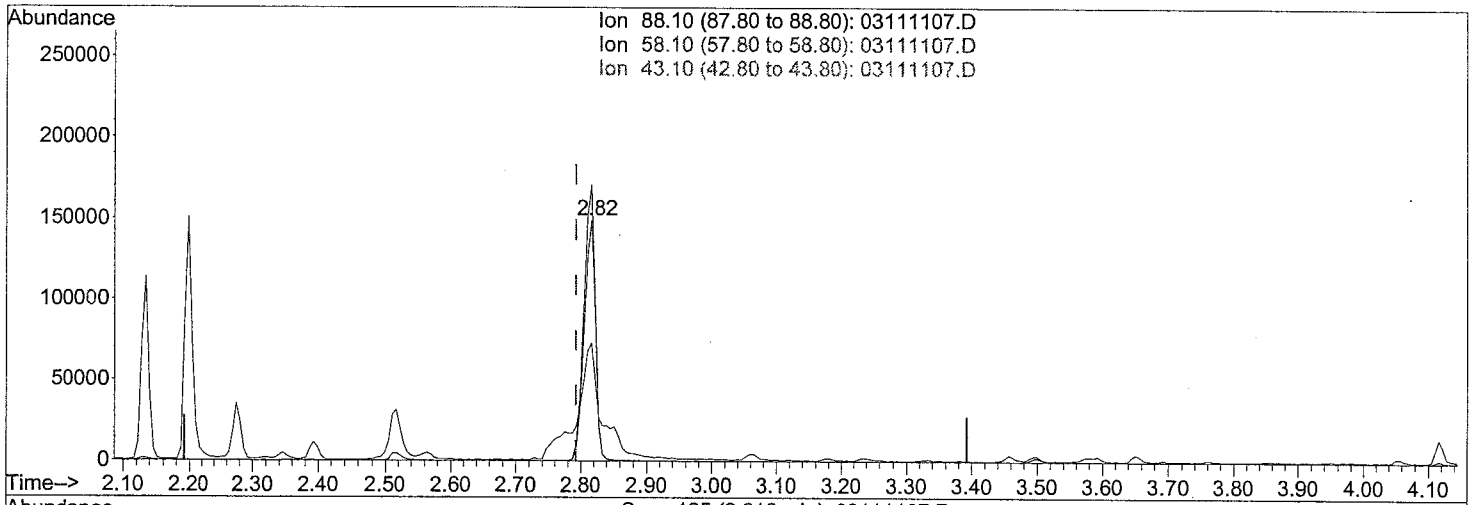
3/17/11

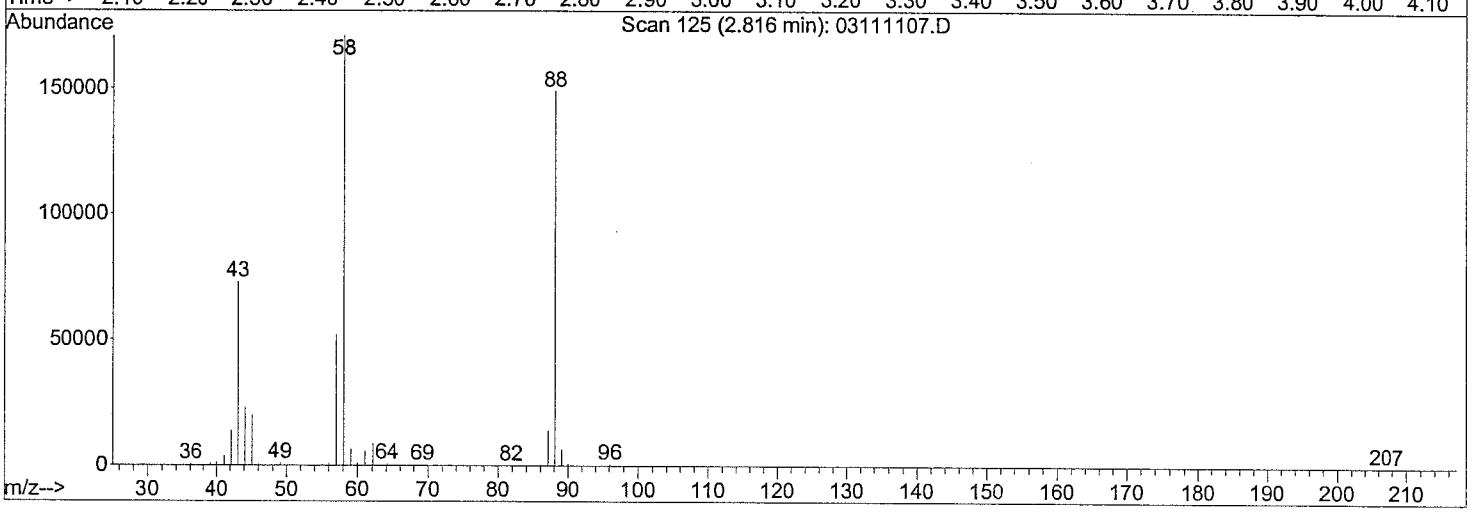
030410D.M Wed Mar 16 10:05:48 2011

Quantitation Report (Qedit)

Data Path : r:\031111A\
Data File : 03111107.D
Acq On : 11 Mar 2011 7:34 pm
Operator : CL
Sample : 11C0359-BS1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 14 13:57:27 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration





TIC: 03111107.D

(2) 1,4-Dioxane (C)

2.816min (+0.023) 17.97ug/mL m

response 180772

Ion	Exp%	Act%
88.10	100	100
58.10	112.80	117.80
43.10	35.80	42.96
0.00	0.00	0.00

A

3-16-11

3/17/11

Sample Name 11C0359-BS1
Data File Name 03111107.D
Data File Path D:\MSDCHEM\1\GCMS14\DATA\031111A\
Operator CL
Date Acquired 3/11/2011 19:34
Misc Info
Instrument Name GCMS14

10ug/mL 14diox -01520
03111105.D
D:\msdchem\1\GCMS14\DATA\031111A\

	SAMPLE RESPONSE	CCV RESPONSE	0.5X	2X	PASS/FAIL
Internal Standard					
1,4-Dichlorobenzene-d4	213839	226371	113185.5	452742	<-PASS

Internal Standard	RT	RT	-0.5min.	+0.5min	
1,4-Dichlorobenzene-d4	5.99	6.00	5.5	6.5	<-PASS

3/17/11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥
Data File : 03111107.D
Acq On : 11 Mar 2011 7:34 pm
Operator : CL
Sample : 11C0359-BS1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 16 10:33:06 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031111_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 10:31:40 2011
Response via : Continuing Cal File: D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥03111105.D

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.992	152	213839	10.00 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane-d8	2.757	96	197720	15.82 ug/mL	99

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

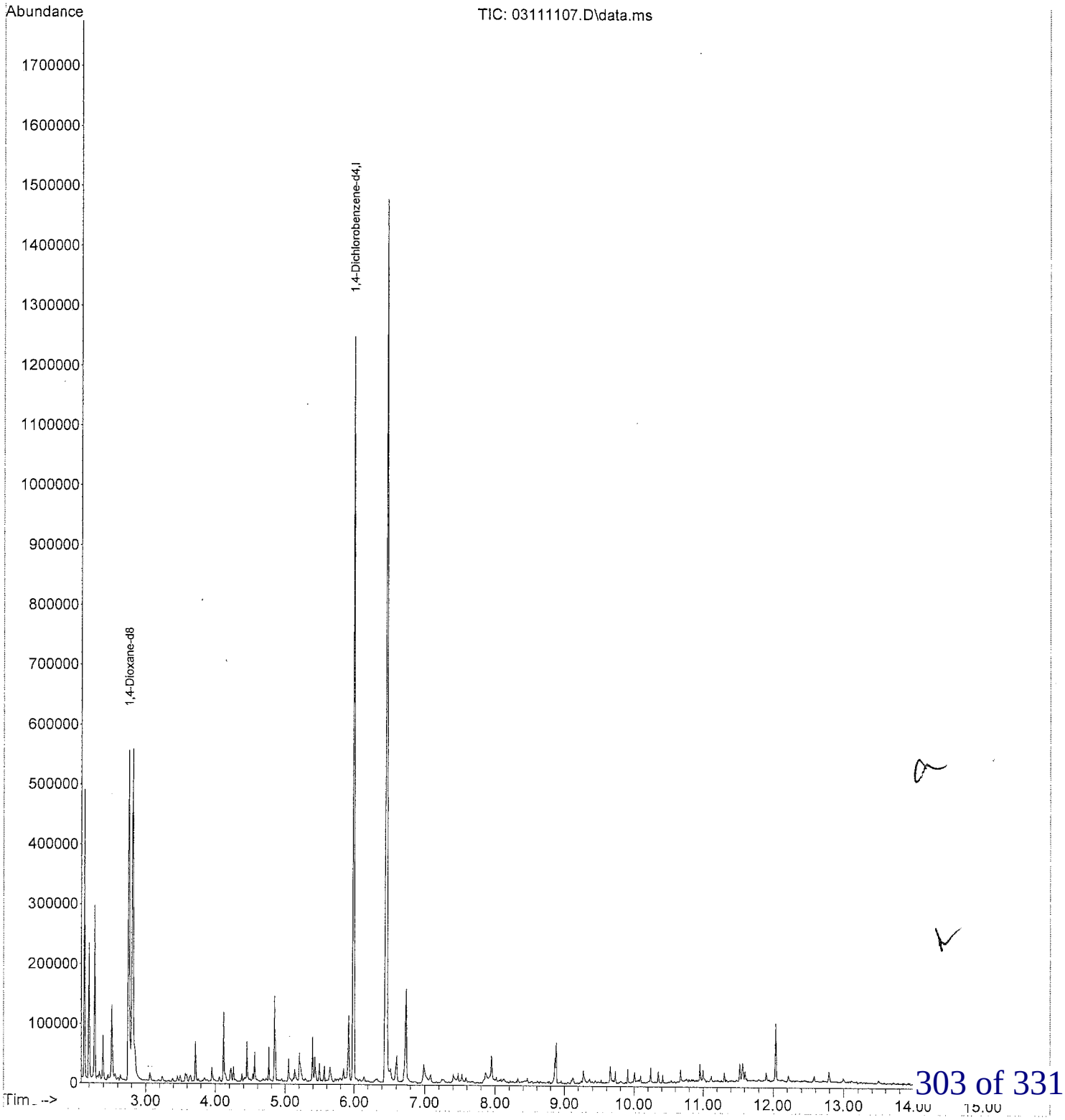
3.16.11

3/17/11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥
Data File : 03111107.D
Acq On : 11 Mar 2011 7:34 pm
Operator : CL
Sample : 11C0359-BS1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 16 10:33:06 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031111_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 10:31:40 2011
Response via : Continuing Cal File: D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥03111105.D



Quantitation Report (Not Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥
Data File : 03111108.D
Acq On : 11 Mar 2011 8:00 pm
Operator : CL
Sample : 11C0359-BSD1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 14 13:57:32 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

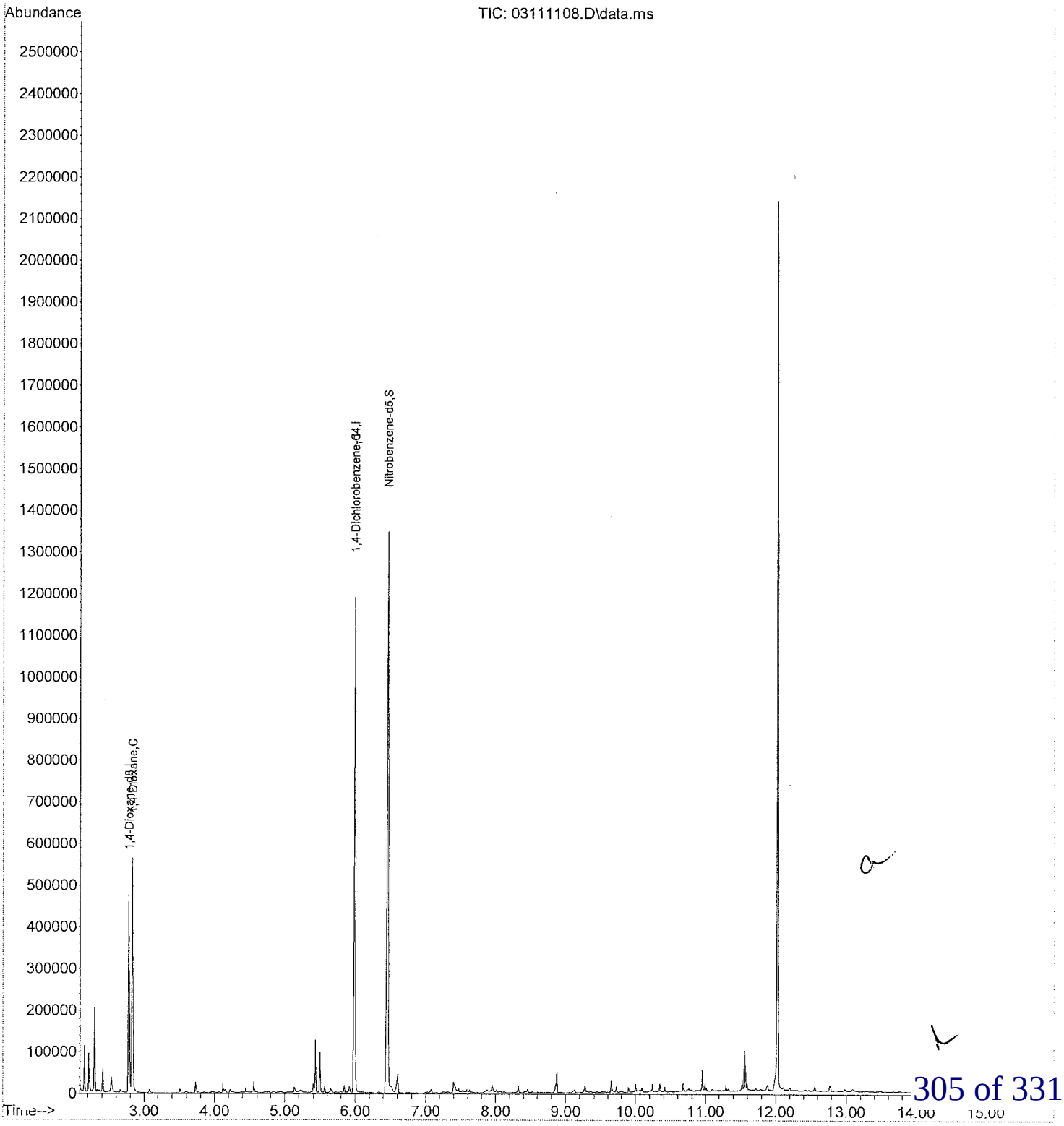
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.775	96	173333	20.00 ug/mL	0.03
3) 1,4-Dichlorobenzene-d4	5.992	152	212122	10.00 ug/mL	-0.02
System Monitoring Compounds					
6) Nitrobenzene-d5	6.463	82	608523	16.01 ug/mL	-0.02
Target Compounds					Qvalue
2) 1,4-Dioxane	2.828	88	181748	20.60 ug/mL	96
4) 1,4-Dichlorobenzene	5.998	146	800	0.02 ug/mL#	1

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

Quantitation Report (Not Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥
Data File : 03111108.D
Acq On : 11 Mar 2011 8:00 pm
Operator : CL
Sample : 11C0359-BSD1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 14 13:57:32 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration



010511D.M Mon Mar 14 13:57:35 2011 Page: 2

Sample Name 11C0359-BSD1
Data File Name 03111108.D
Data File Path D:\MSDCHEM\1\GCMS14\DATA\031111A\
Operator CL
Date Acquired 3/11/2011 20:00
Misc Info
Instrument Name GCMS14

10ug/mL 14diox -01520
03111105.D
D:\msdchem\1\GCMS14\DATA\031111A\

	SAMPLE RESPONSE	CCV RESPONSE	0.5X	2X	PASS/FAIL
Internal Standard					
1,4-Dichlorobenzene-d4	212122	226371	113185.5	452742	<-PASS

Internal Standard	RT	RT	-0.5min.	+0.5min	
1,4-Dichlorobenzene-d4	5.99	6.00	5.5	6.5	<-PASS

3/17/11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥
Data File : 03111108.D
Acq On : 11 Mar 2011 8:00 pm
Operator : CL
Sample : 11C0359-BSD1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 16 10:33:25 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031111_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 10:31:40 2011
Response via : Continuing Cal File: D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥03111105.D

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.992	152	212122	10.00 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane-d8	2.775	96	173333	13.98 ug/mL	100

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

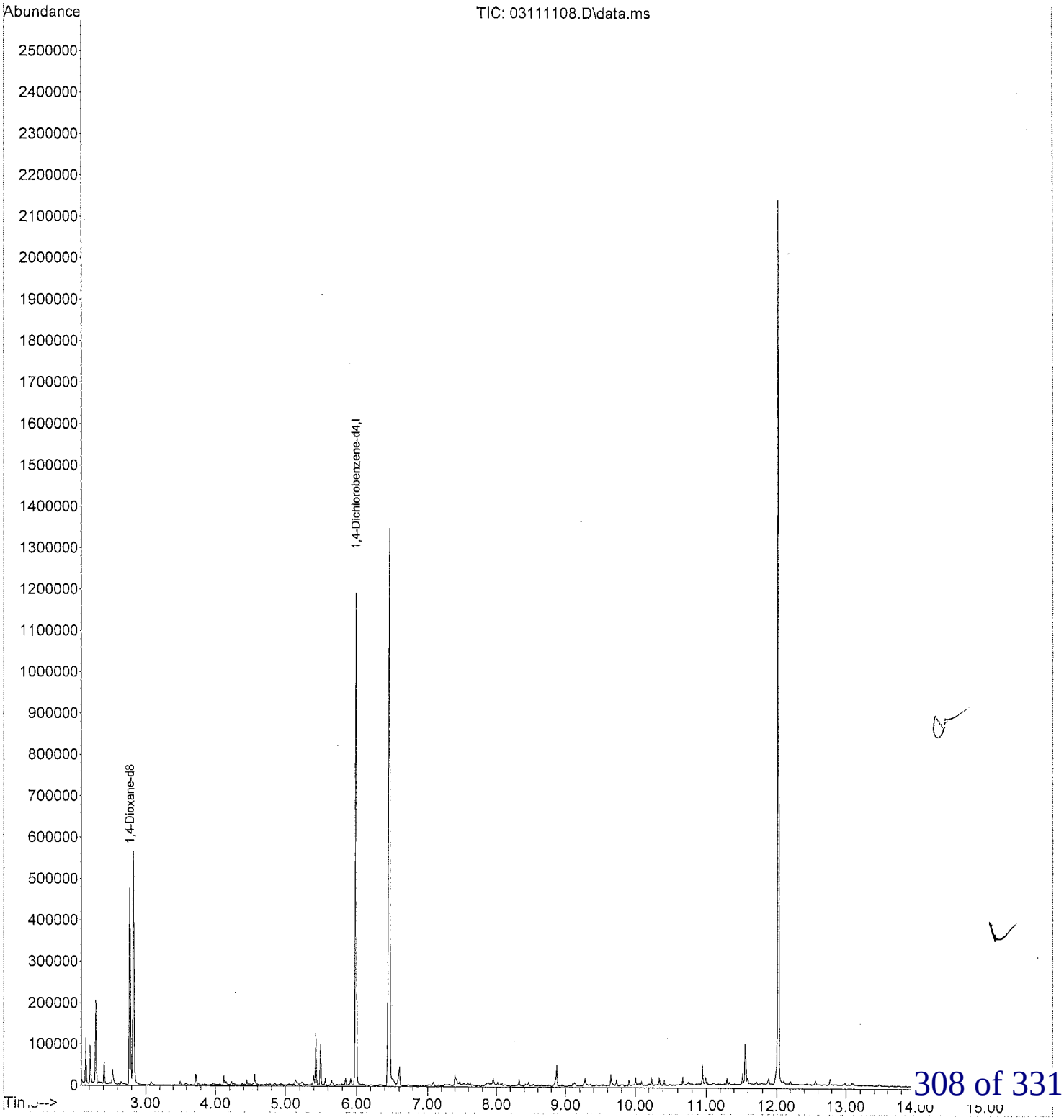
03-16-11

3/17/11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥
Data File : 03111108.D
Acq On : 11 Mar 2011 8:00 pm
Operator : CL
Sample : 11C0359-BSD1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 16 10:33:25 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031111_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 10:31:40 2011
Response via : Continuing Cal File: D:¥msdchem¥1¥GCMS14¥DATA¥031111A¥03111105.D



031111_D8.M Wed Mar 16 10:34:00 2011

TestAmerica
Phoenix

GCMS 14 - RUN LOGBOOK

Sequence Name: D:¥msdchem¥1¥GCMS14¥sequence¥031411.S
Comment:
Operator: CL
Data Path: D:¥MSDCHEM¥1¥GCMS14¥DATA¥03141¥1¥
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

a 3/15/11

Line			Sample Name/Misc Info		
1)	Sample	1	03141101	DB5MS14	DCM
2)	Sample	2	03141102	DB5MS14	DCM
3)	Sample	3	03141103	DB5MS14	25ng tune std pu01447
4)	Sample	4	03141104	DIOXANE	dcm
5)	Sample	5	03141105	DIOXANE	10ug/mL 14-diox -01520
6)	Sample	6	03141106	DIOXANE	DCM
7)	Sample	7	03141107	DIOXANE	11C0359-BLK1
8)	Sample	8	03141108	DIOXANE	PUC0525-09
9)	Sample	9	03141109	DIOXANE	PUC0526-01
10)	Sample	10	03141110	DIOXANE	DCM
11)	Sample	11	03141111	DIOXANE	11C0426-BLK1
12)	Sample	12	03141112	DIOXANE	11C0426-BS1
13)	Sample	13	03141113	DIOXANE	11C0426-BSD1
14)	Sample	14	03141114	DIOXANE	PUC0635-01
15)	Sample	15	03141115	DIOXANE	PUC0635-02
16)	Sample	16	03141116	DIOXANE	PUC0635-03
17)	Sample	17	03141117	DIOXANE	PUC0637-01
18)	Sample	18	03141118	DIOXANE	PUC0637-02
19)	Sample	19	03141119	DIOXANE	PUC0637-04
20)	Sample	20	03141120	DIOXANE	DCM
21)	Sample	21	03141121	DIOXANE	DCM

a 3-15-11

Sequence Reviewed By: a Date: 3-15-11

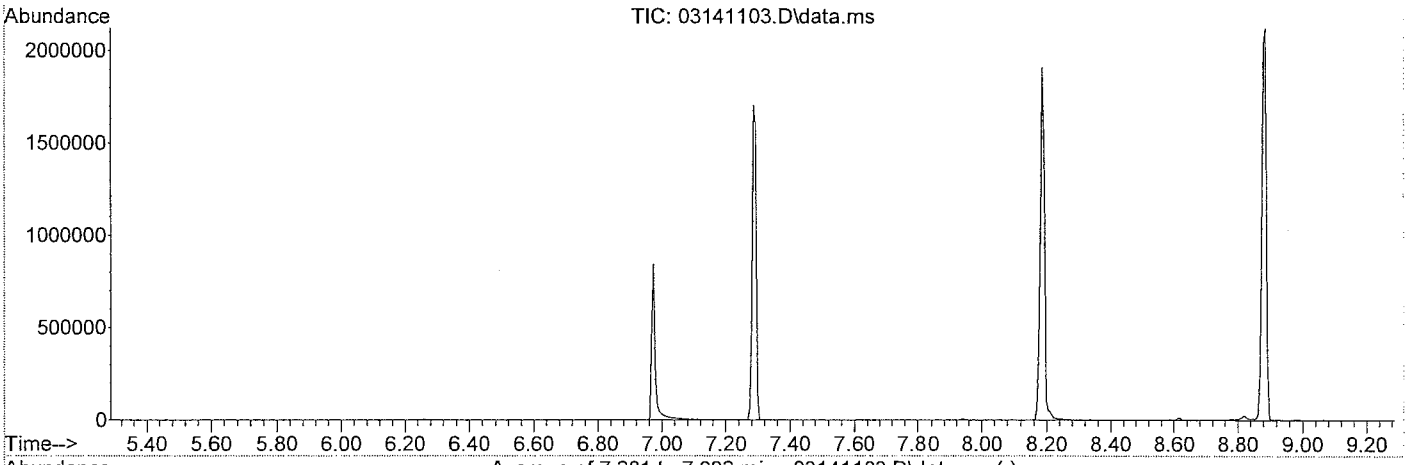
Date Analyzed: 3-15-11 Analyst: a Date Run: 3-14-11

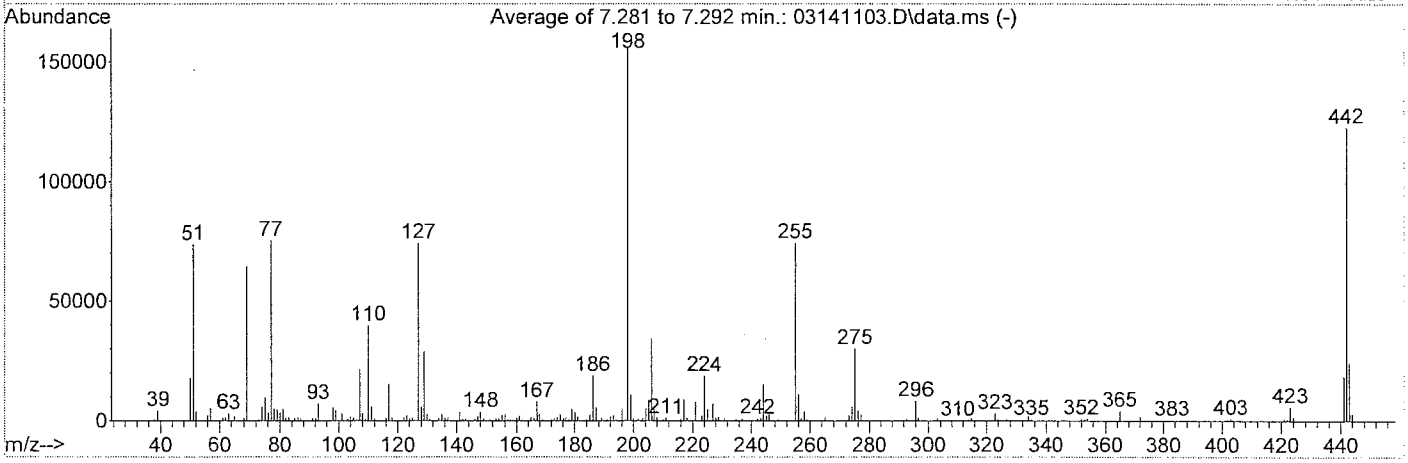
DFTPP

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥0311411¥
Data File : 03141103.D
Acq On : 14 Mar 2011 3:02 pm
Operator : CL
Sample : 25ng tune std pu01447
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: rteint.p

Method : D:¥msdchem¥1¥GCMS14¥METHODS¥TUNE8270.M
Title : DFTPP, TAILING EVA. :ACID<5.0, BN<3.0, DEG. <=20%
Last Update : Thu Feb 17 11:44:41 2011





AutoFind: Scans 952, 953, 954; Background Corrected with Scan 947

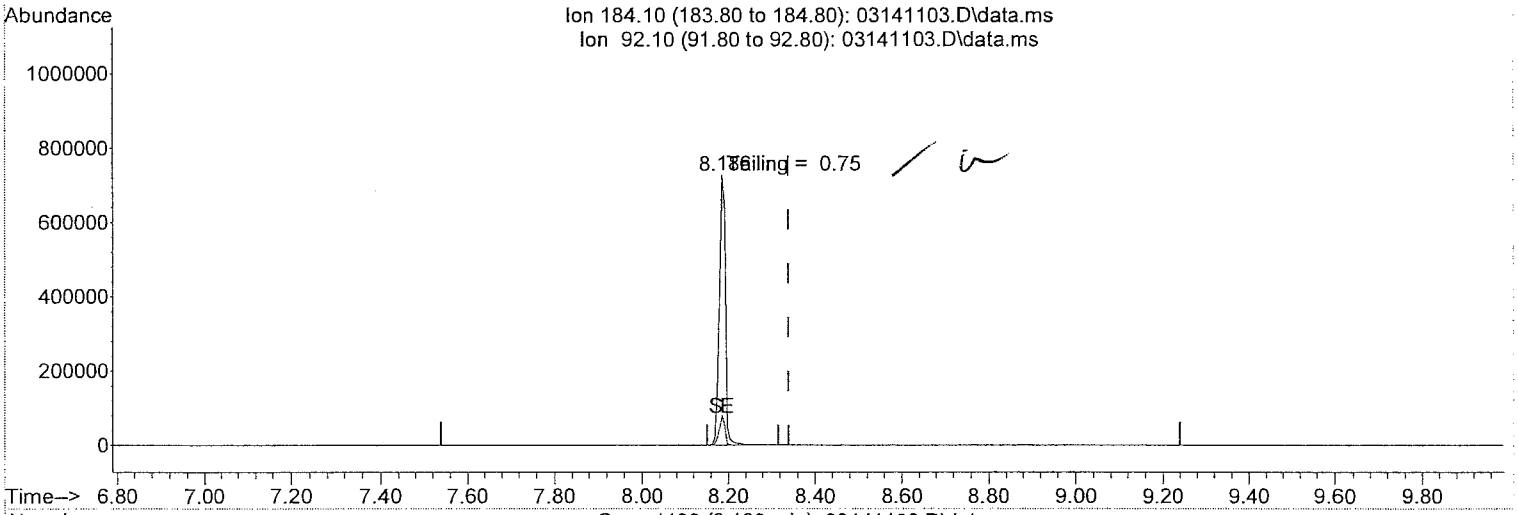
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	47.2	73661	PASS
68	69	0.00	2	1.5	975	PASS
69	198	0.00	100	41.3	64397	PASS
70	69	0.00	2	0.5	338	PASS
127	198	40	60	47.5	74112	PASS
197	198	0.00	1	0.3	472	PASS
198	198	100	100	100.0	156050	PASS
199	198	5	9	6.8	10686	PASS
275	198	10	30	19.3	30052	PASS
365	198	1	100	2.5	3941	PASS
441	443	0.01	100	76.4	18332	PASS
442	198	40	100	78.6	122698	PASS
443	442	17	23	19.5	23982	PASS

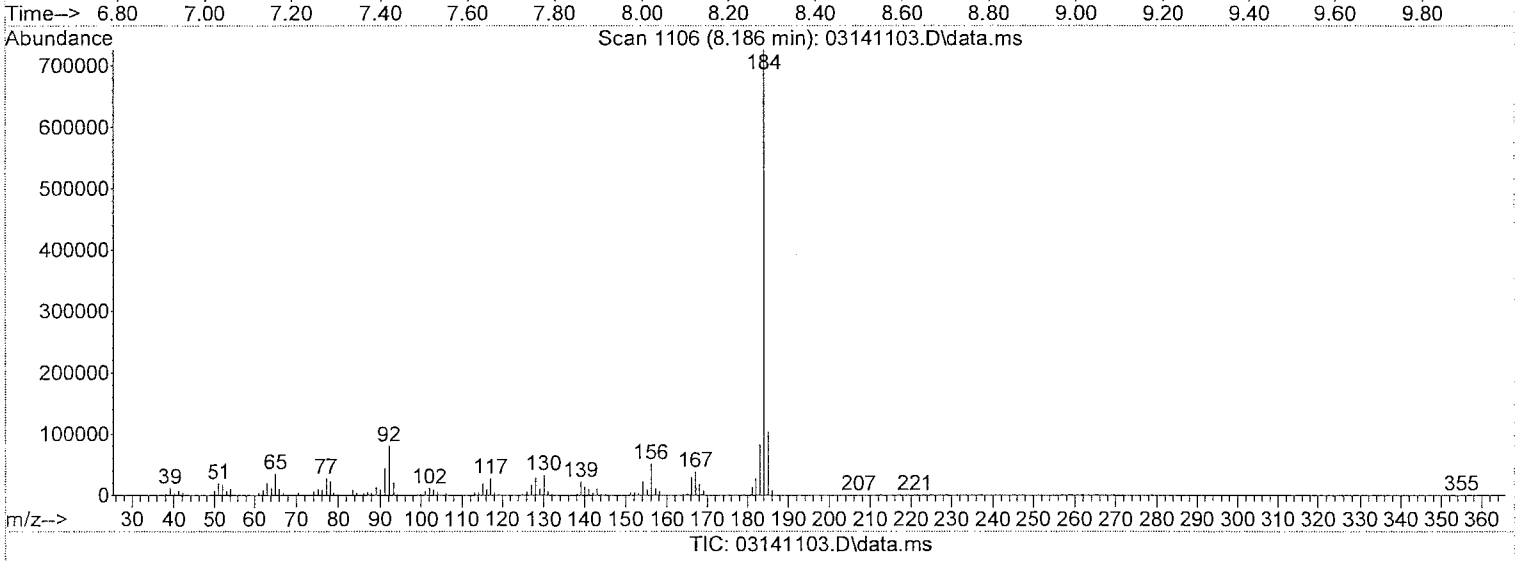
03-16-11

Quantitation Report (Qedit)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥0311411¥
Data File : 03141103.D
Acq On : 14 Mar 2011 3:02 pm
Operator : CL
Sample : 25ng tune std pu01447
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 14 15:19:36 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥TUNE8270.M
Quant Title : DFTPP, TAILING EVA. :ACID<5.0, BN<3.0, DEG. <=20%
QLast Update : Thu Feb 17 11:44:41 2011
Response via : Continuing Cal File: D:¥msdchem¥1¥GCMS14¥DATA¥091010A¥09101002.D





(2) Benzidine

8.186min (-0.153) 9.29

response 729701

Ion	Exp%	Act%
184.10	100	100
92.10	10.20	10.13
0.00	0.00	0.00
0.00	0.00	0.00

3/17/11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031411¥
Data File : 03141105.D
Acq On : 14 Mar 2011 3:54 pm
Operator : CL
Sample : 10ug/mL 14-diox -01520
Misc : CCV
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 16:16:45 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.775	96	272164	20.00 ug/mL	0.03
3) 1,4-Dichlorobenzene-d4	5.992	152	232291	10.00 ug/mL	-0.02
System Monitoring Compounds					
6) Nitrobenzene-d5	6.463	82	395089	9.49 ug/mL	-0.02
Target Compounds					Qvalue
2) 1,4-Dioxane	2.822	88	143271	10.34 ug/mL	96
4) 1,4-Dichlorobenzene	6.010	146	400994	10.50 ug/mL	100
5) N-Nitrosodi-n-propylamine	6.328	70	278815	10.04 ug/mL	99

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

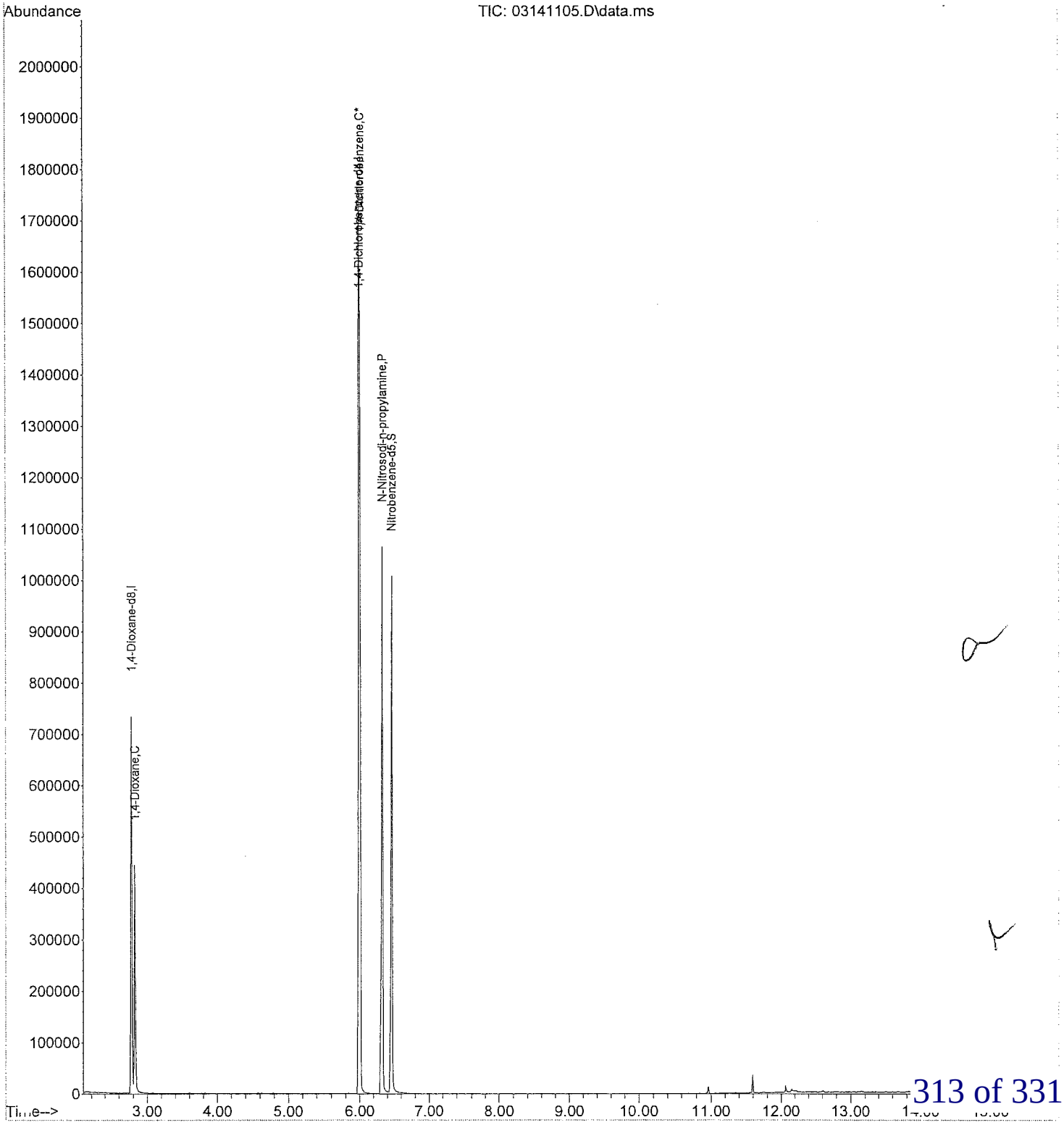
03-16-11

3/17/11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031411¥
Data File : 03141105.D
Acq On : 14 Mar 2011 3:54 pm
Operator : CL
Sample : 10ug/mL 14-diox -01520
Misc : CCV
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 16:16:45 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration



010511D.M Mon Mar 14 16:17:09 2011 Page: 2

Evaluate Continuing Calibration Report

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031411¥
Data File : 03141105.D
Acq On : 14 Mar 2011 3:54 pm
Operator : CL
Sample : 10ug/mL 14-diox -01520
Misc : CCV
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 16:16:45 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 40% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 400%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dioxane-d8	1.000	1.000	0.0	83	0.03
2 C	1,4-Dioxane	1.018	1.053	-3.4	84	0.03
3 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	-0.02
4 C*	1,4-Dichlorobenzene	1.644	1.726	-5.0	99	-0.02
5 P	N-Nitrosodi-n-propylamine	1.195	1.200	-0.4	91	-0.02
6 S	Nitrobenzene-d5	1.792	1.701	5.1	87	-0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

a 3-6-11

3/17/11

Compound List Report GCMS14

Method Path : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\
Method File : 010511D.M
Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
Last Update : Mon Feb 28 10:27:25 2011
Response Via : Initial Calibration

Total Cpnds : 6

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1 I	1,4-Dioxane-d8	96	2.746	1.000	A	1	A	B
2 C	1,4-Dioxane	88	2.793	1.017	A	2	A	B
3 I	1,4-Dichlorobenzene-d4	152	6.010	1.000	A	0	A	B
4 C*	1,4-Dichlorobenzene	146	6.028	1.003	A	1	A	B
5 P	N-Nitrosodi-n-propylamine	70	6.345	1.056	A	1	A	B
6 S	Nitrobenzene-d5	82	6.481	1.078	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

010511D.M Mon Mar 14 16:18:58 2011

a3.16-1

A 3/17/11

Sample Name 10ug/mL 14-diox -01520
Data File Name 03141105.D
Data File Path D:\msdchem\1\GCMS14\DATA\031411\
Operator CL
Date Acquired 3/14/2011 15:54
Misc Info CCV
Instrument Name GCMS14

10ug/mL PU00063
01051110.D
D:\msdchem\1\GCMS14\DATA\010511\

	NAME	RT	CCV RRT Value (Target/IS)	mid-RT 010511.M	AGREE -0.06	AGREE 0.06	PASS/FAIL
IS	1,4-Dioxane-d8	2.775					
	1,4-Dioxane	2.822	1.0170	1.0178	0.9578	1.0778	<-PASS
IS	1,4-Dichlorobenzene-d4	5.992					
	1,4-Dichlorobenzene	6.010	1.0029	1.0019	0.9419	1.0619	<-PASS
	N-Nitrosodi-n-propylamine	6.328	1.0559	1.0541	0.9941	1.1141	<-PASS
	Nitrobenzene-d5	6.463	1.0785	1.0763	1.0163	1.1363	<-PASS

3-16-11

3/17/11

Sample Name 10ug/mL 14-diox -01520
Data File Name 03141105.D
Data File Path D:\msdchem\1\GCMS14\DATA\031411\
Operator CL
Date Acquired 3/14/2011 15:54
Misc Info CCV
Instrument Name GCMS14

10ug/mL PU00063
01051110.D
D:\msdchem\1\GCMS14\DATA\010511\
DIOX010511.M

	CCV RESPONSE	**ICAL** RESPONSE	0.5X	2X	**PASS/FAIL**
Internal Standard					
1,4-Dichlorobenzene-d4	232291	243008	121504	486016	<-PASS

Internal Standard	RT	RT	-0.5min.	+0.5min	
1,4-Dichlorobenzene-d4	5.99	6.09	5.59	6.59	<-PASS

aJ-16-11

3/17/11

Sample Name 10ug/mL 14-diox -01520
Data File Name 03141105.D
Data File Path D:\msdchem\1\GCMS14\DATA\031411\
Operator CL
Date Acquired 3/14/2011 15:54
Misc Info CCV
Instrument Name GCMS14

10ug/mL 14-diox -01520
03141105.D
D:\msdchem\1\GCMS14\DATA\031411\

	SAMPLE RESPONSE	CCV RESPONSE	0.5X	2X	PASS/FAIL
Internal Standard					
1,4-Dichlorobenzene-d4	232291	232291	116145.5	464582	<-PASS

Internal Standard	RT	RT	-0.5min.	+0.5min	
1,4-Dichlorobenzene-d4	5.99	5.99	5.49	6.49	<-PASS

Daily update
on 3-16-11

3/17/11

Quantitation Report (QT Reviewed)

Data Path : D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥
Data File : 03141105.D
Acq On : 14 Mar 2011 3:54 pm
Operator : CL
Sample : 10ug/mL 14-diox -01520
Misc : CCV
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 16 13:21:00 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥03141105.D

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.992	152	232291	10.00 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane-d8	2.775	96	272164	20.00 ug/mL	100

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

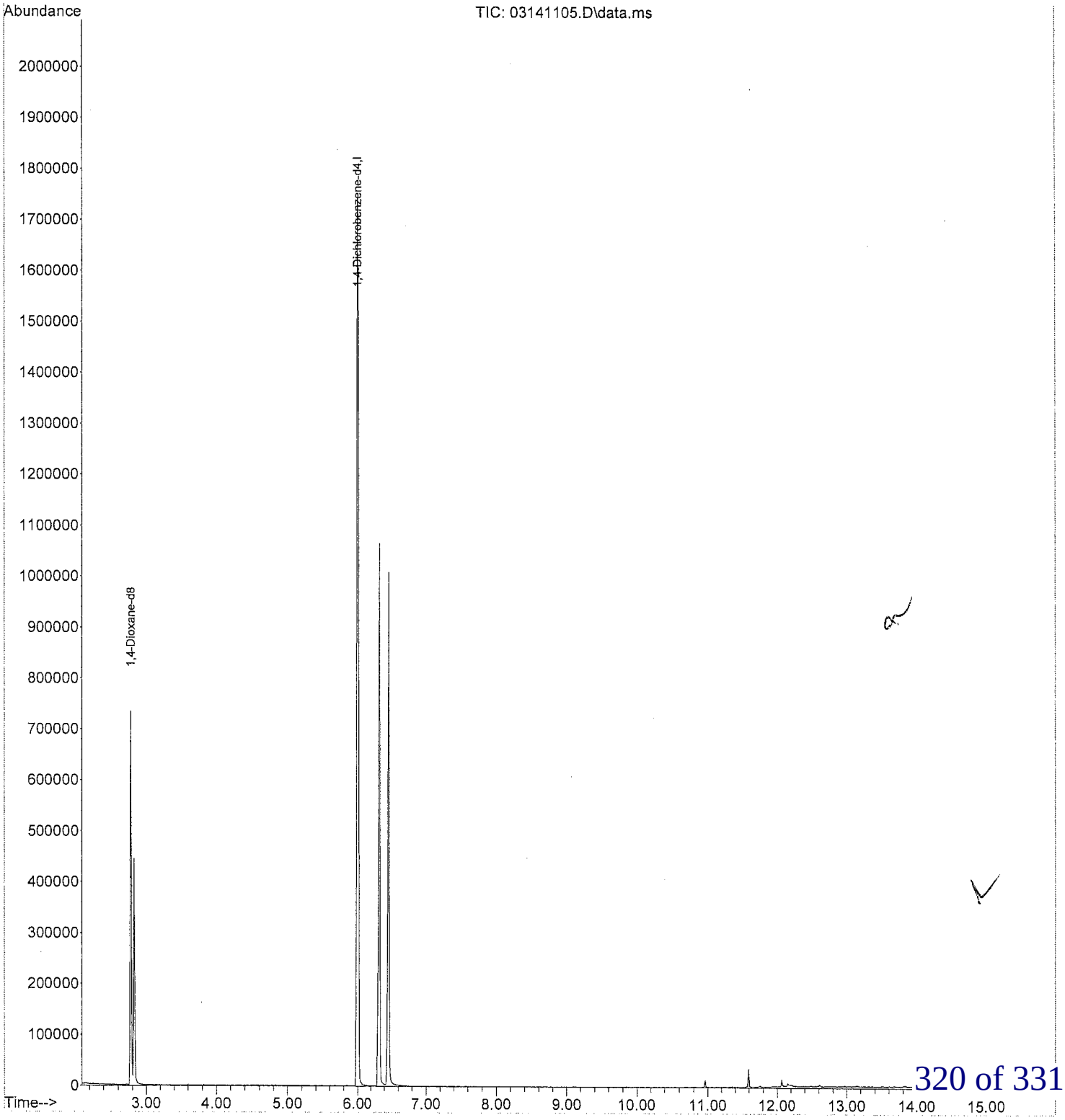
update
as 3-16-11

3/17/11

Quantitation Report (QT Reviewed)

Data Path : D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥
Data File : 03141105.D
Acq On : 14 Mar 2011 3:54 pm
Operator : CL
Sample : 10ug/mL 14-diox -01520
Misc : CCV
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 16 13:21:00 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥03141105.D



031411_D8.M Wed Mar 16 13:21:15 2011

Calibration Status Report GCMS14

Method Path : D:\msdchem\1\GCMS14\METHODS\14DIOXD8\
Method File : 031411_D8.M
Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
Last Update : Wed Mar 16 13:20:28 2011
Response Via : Continuing Calibration

#	ID	Conc	ISTD Conc	Path\File
1	1	20	10	D:\MSDCHEM\1\GCMS14\DATA\031411\03141105.D
2	CC	20	10	D:\MSDCHEM\1\GCMS14\DATA\031411\03141105.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Mar 16 13:20 2011	Mar 16 13:19 2011	14 Mar 2011 3:54 pm
2	CC	Mar 16 13:20 2011	Mar 16 13:19 2011	14 Mar 2011 3:54 pm

)31411_D8.M Wed Mar 16 13:20:39 2011

03 16-11

3/17/11

Compound List Report GCMS14

Method Path : D:\msdchem\1\GCMS14\METHODS\14DIOXD8\
Method File : 031411_D8.M
Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
Last Update : Wed Mar 16 13:20:28 2011
Response Via : Continuing Calibration

Total Cpnds : 2

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1 I	1,4-Dichlorobenzene-d4	152	5.992	1.000	A	0	A	B
2	1,4-Dioxane-d8	96	2.775	0.463	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

)31411_D8.M Wed Mar 16 13:20:46 2011

3-16-11

3/17/11

Response Factor Report GCMS14

Method Path : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥
Method File : 031411_D8.M
Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
Last Update : Wed Mar 16 13:20:28 2011
Response Via : Continuing Calibration

Calibration Files
1 =03141105.D

Compound	1	Avg	%RSD
1) I 1,4-Dichlorobenzen...	----------ISTD----------		
2) 1,4-Dioxane-d8	0.586	0.586	0.00

(#) = Out of Range

3/16/11

3/16/11

Quantitation Report (QT Reviewed)

Data Path : n:\DATA\031411\
Data File : 03141109.D
Acq On : 14 Mar 2011 5:43 pm
Operator : CL
Sample : PUC0526-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 10:57:55 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.76	96	138352	20.00 ug/mL	0.02
3) 1,4-Dichlorobenzene-d4	5.99	152	208043	10.00 ug/mL	-0.02
System Monitoring Compounds					
6) Nitrobenzene-d5	6.46	82	535263	14.36 ug/mL	-0.02
Target Compounds					Qvalue
2) 1,4-Dioxane	2.82	88	7739m	1.10 ug/mL	
4) 1,4-Dichlorobenzene	6.00	146	570	0.02 ug/mL#	1

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

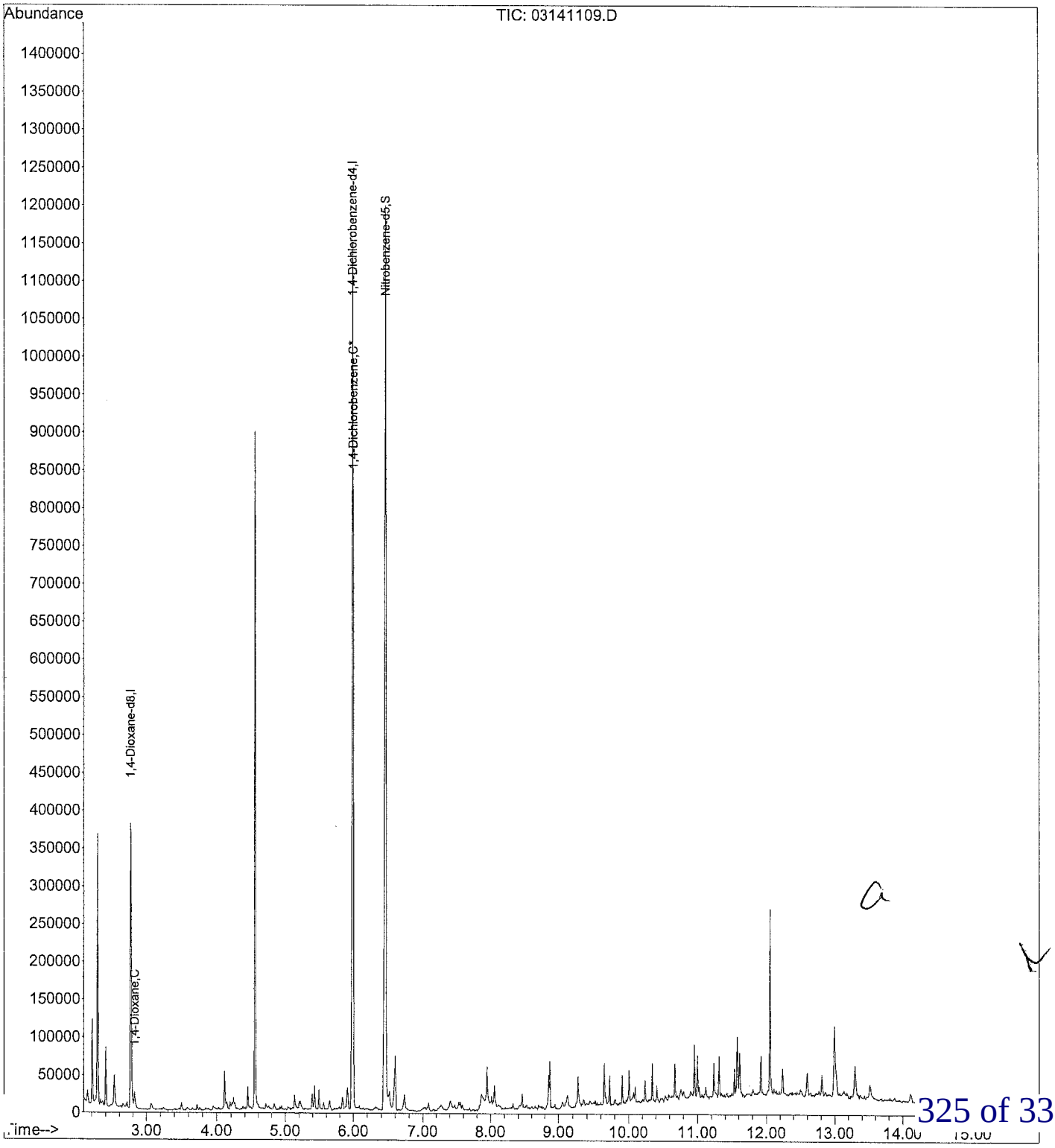
3-16-11

3/17/11

Quantitation Report (QT Reviewed)

Data Path : n:\DATA\031411\
Data File : 03141109.D
Acq On : 14 Mar 2011 5:43 pm
Operator : CL
Sample : PUC0526-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 10:57:55 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

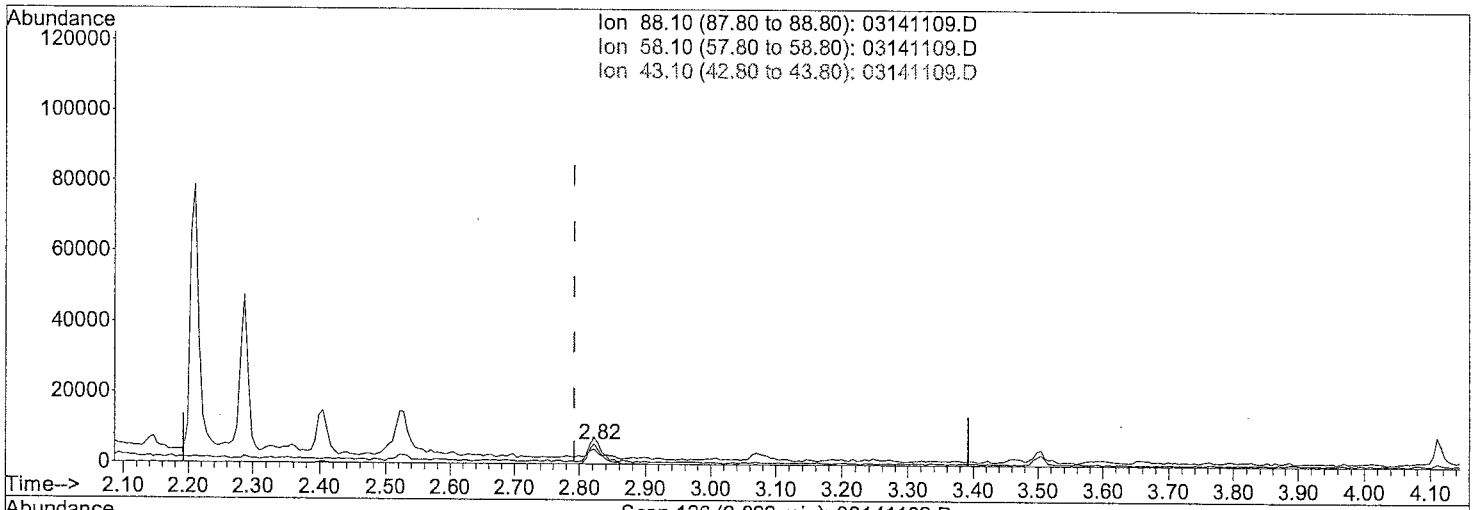


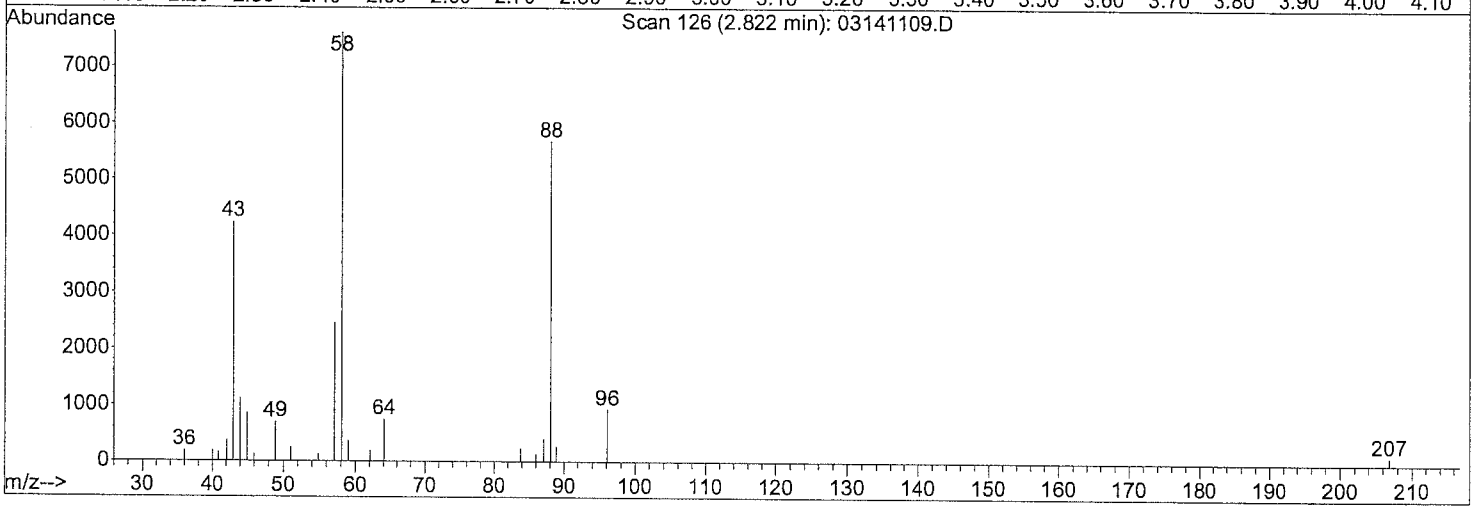
010511D.M Wed Mar 16 10:58:33 2011

Quantitation Report (Qedit)

Data Path : n:\DATA\031411\
Data File : 03141109.D
Acq On : 14 Mar 2011 5:43 pm
Operator : CL
Sample : PUC0526-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 14 18:37:12 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration





TIC: 03141109.D

(2) 1,4-Dioxane (C)

2.822min (+0.029) 1.10ug/mL

response 7739

Ion	Exp%	Act%
88.10	100	100
58.10	112.80	117.38
43.10	35.80	59.17#
0.00	0.00	0.00

03-164

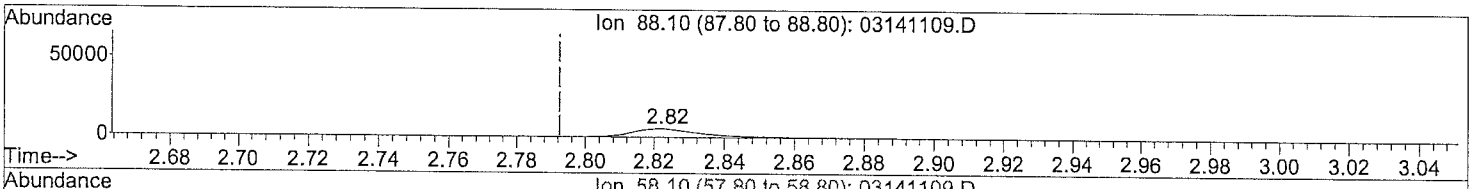
3/17/11

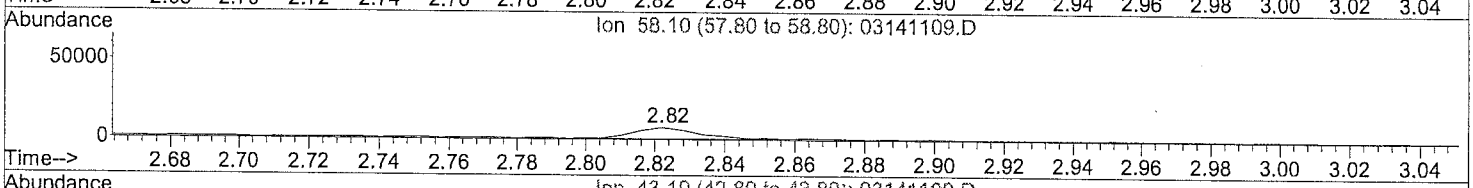
010511D.M Wed Mar 16 10:57:02 2011

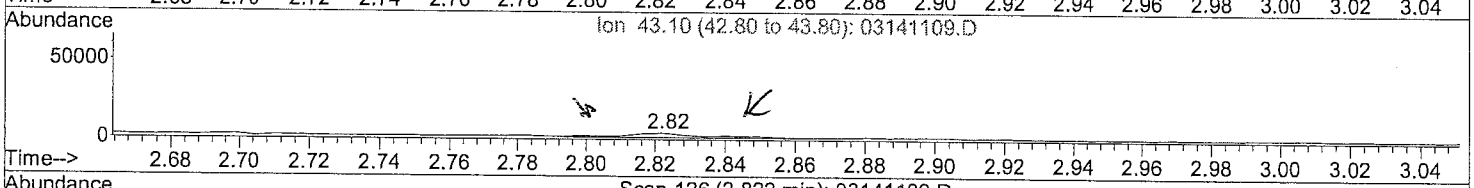
Quantitation Report (Qedit)

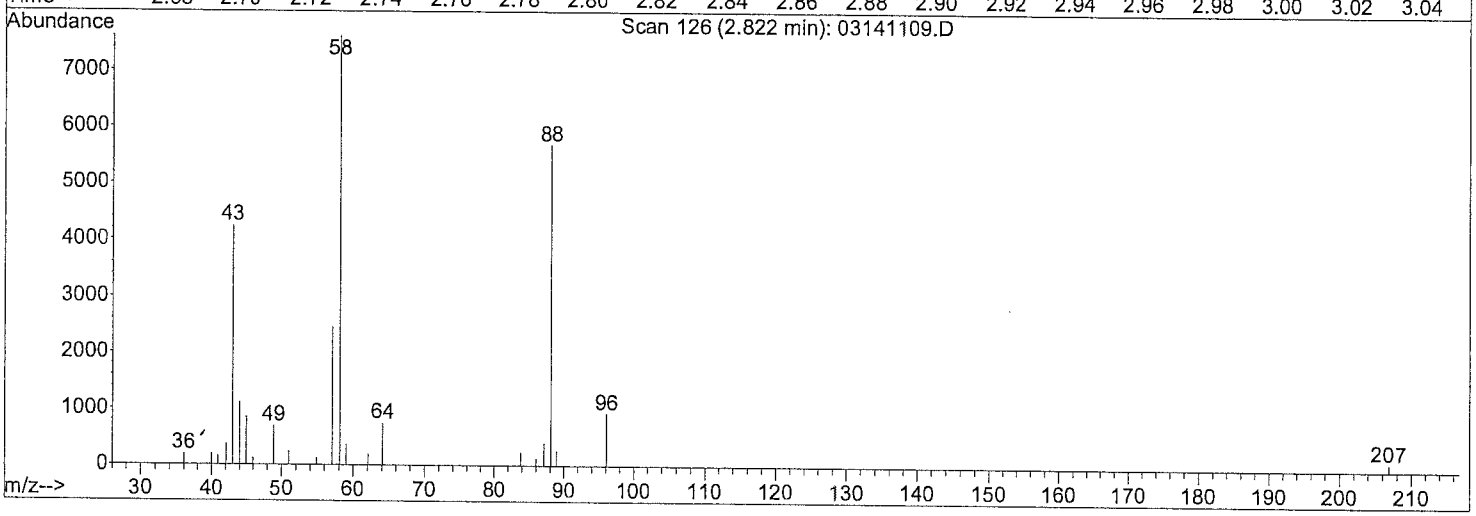
Data Path : n:\DATA\031411\
Data File : 03141109.D
Acq On : 14 Mar 2011 5:43 pm
Operator : CL
Sample : PUC0526-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 14 18:37:12 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration









TIC: 03141109.D

(2) 1,4-Dioxane (C)

2.822min (+0.029) 1.10ug/mL

response 7739

Ion	Exp%	Act%
88.10	100	100
58.10	112.80	117.38
43.10	35.80	59.17#
0.00	0.00	0.00

SQ

03-16-11

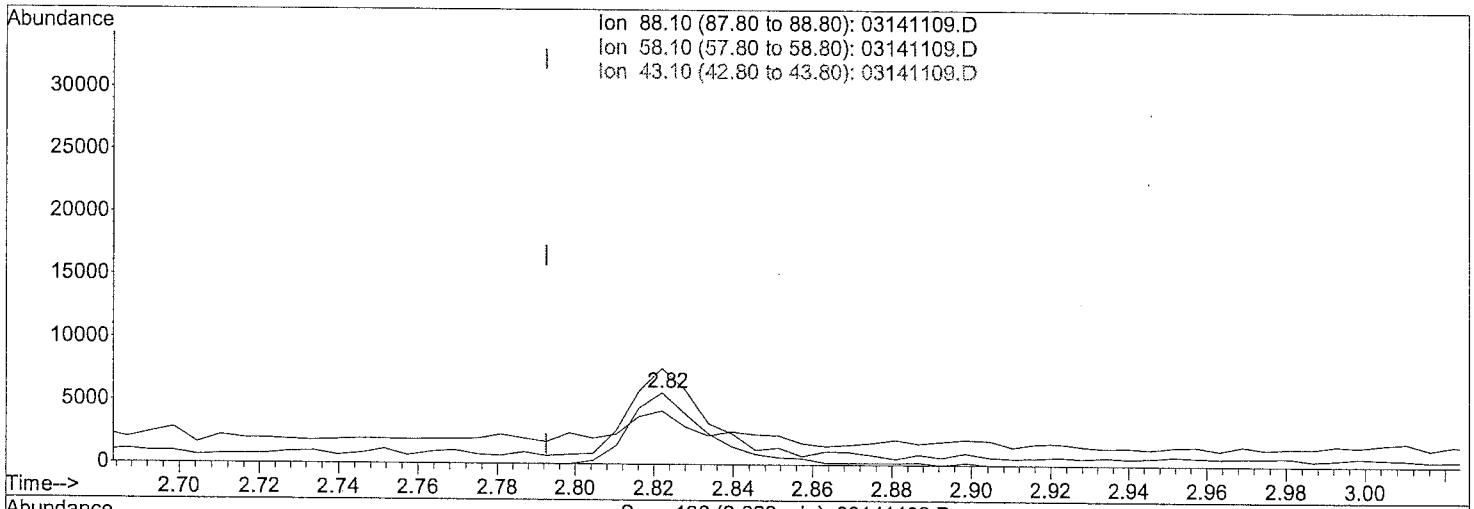
3/17/11

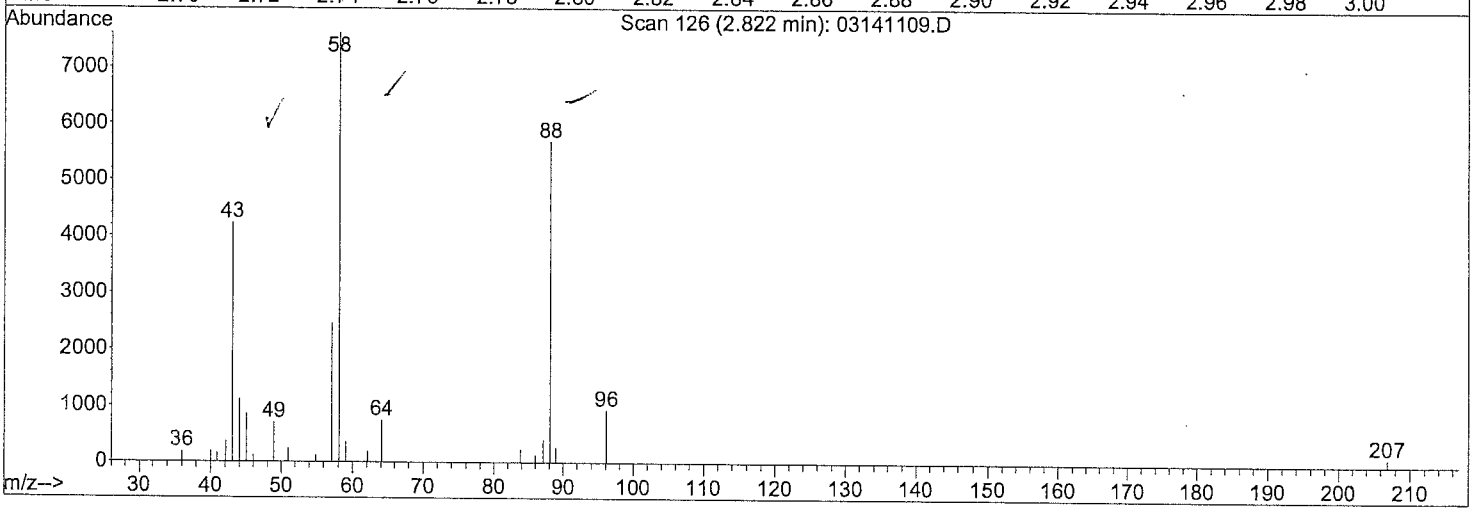
010511D.M Wed Mar 16 10:57:26 2011

Quantitation Report (Qedit)

Data Path : n:\DATA\031411\
Data File : 03141109.D
Acq On : 14 Mar 2011 5:43 pm
Operator : CL
Sample : PUC0526-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 14 18:37:12 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration





TIC: 03141109.D

(2) 1,4-Dioxane (C)

2.822min (+0.029) 1.10ug/mL m

response 7739

Ion	Exp%	Act%
88.10	100	100
58.10	112.80	131.59
43.10	35.80	94.16#
0.00	0.00	0.00

– not a quant ion

Sample Name PUC0526-01
Data File Name 03141109.D
Data File Path D:\MSDCHEM\1\GCMS14\DATA\031411\
Operator CL
Date Acquired 3/14/2011 17:43
Misc Info
Instrument Name GCMS14

10ug/mL 14-diox -01520
03141105.D
D:\msdchem\1\GCMS14\DATA\031411\

	SAMPLE RESPONSE	CCV RESPONSE	0.5X	2X	PASS/FAIL
Internal Standard					
1,4-Dichlorobenzene-d4	208043	232291	116145.5	464582	<-PASS

Internal Standard	RT	RT	-0.5min.	+0.5min	
1,4-Dichlorobenzene-d4	5.99	5.99	5.49	6.49	<-PASS

3/17/11

Quantitation Report (Not Reviewed)

Data Path : D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥
Data File : 03141109.D
Acq On : 14 Mar 2011 5:43 pm
Operator : CL
Sample : PUC0526-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 13:24:06 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥03141105.D

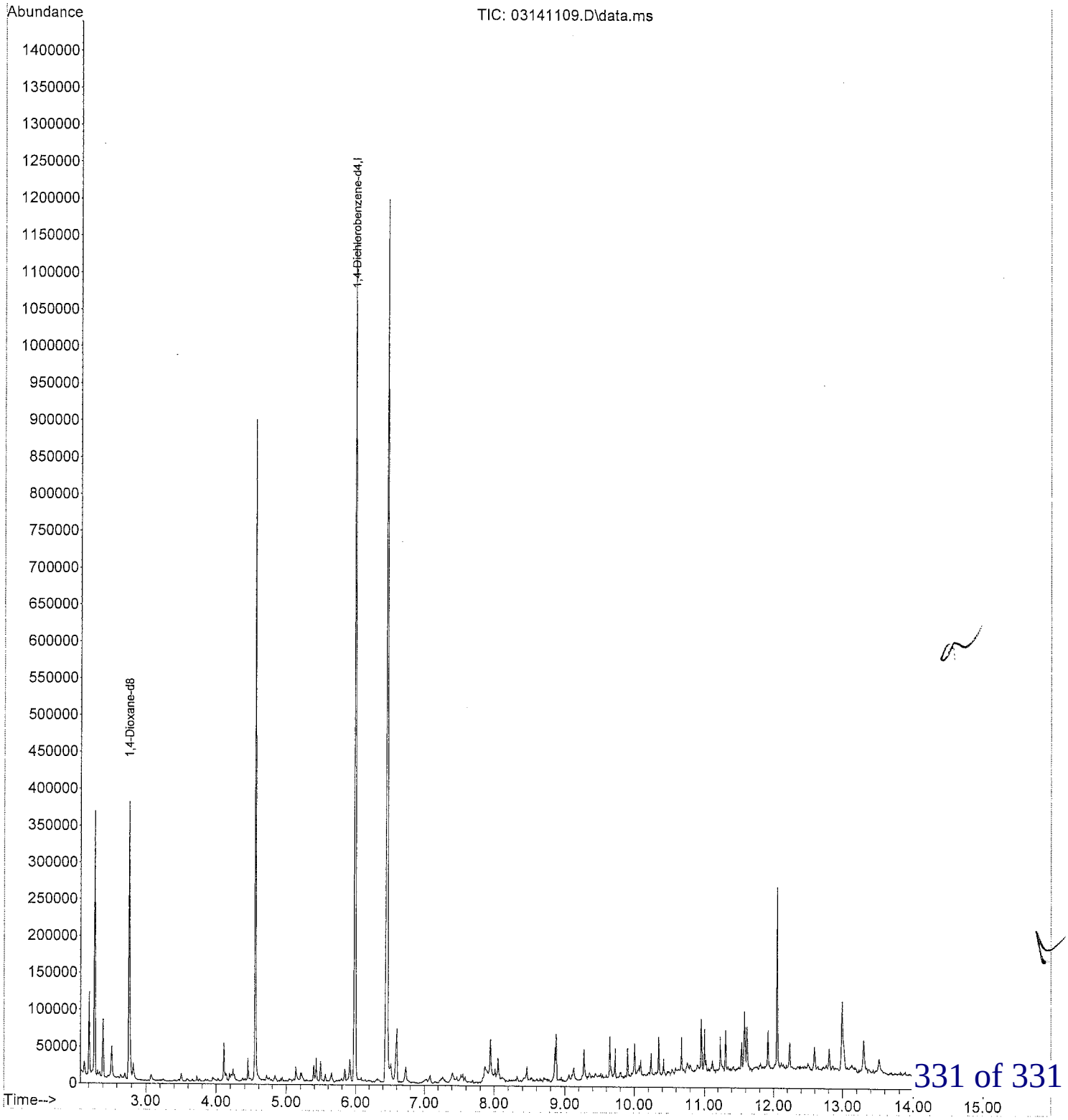
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.992	152	208043	10.00 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane-d8	2.763	96	138352	11.35 ug/mL	99

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

Quantitation Report (Not Reviewed)

Data Path : D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥
Data File : 03141109.D
Acq On : 14 Mar 2011 5:43 pm
Operator : CL
Sample : PUC0526-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 16 13:24:06 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥03141105.D



Level III Data Package

Environmental Resources Management Inc.

TestAmerica Work Order Number:

PUC0635

Prepared for:

Jason Hilker
Environmental Resources Management, Inc.
7272 East Indian School Road, Suite 100
Scottsdale, AZ 85251

QA/QC DATA PACKAGE: LEVEL III

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: OU3 0096498.009

Sampled: 03/09/11
Received: 03/09/11
Issued: 03/18/11 16:29

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC0635-01	OU3-14D-D-030911	Water
PUC0635-02	OU3-12D-D-030911	Water
PUC0635-03	SC-MW-1D-S-030911	Water

SAMPLE RECEIPT: Samples were received intact, at 3°C, on ice and with chain of custody documentation.

HOLDING TIMES: All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.

PRESERVATION: Samples requiring preservation were verified prior to sample analysis.

QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
L3-Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
R1-The RPD exceeded the acceptance limit.

COMMENTS: No significant observations were made.

SUBCONTRACTED: No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

QA/QC DATA PACKAGE: LEVEL III

CHAIN OF CUSTODY FORMS

PUC0635

5 of 326

Environmental Resources Management

CHAIN OF CUSTODY RECORD

NO: 2491

7272 E. Indian School Road, Suite 100 • Scottsdale, AZ • 85251 • (480) 998-2401 • FAX (480) 998-2106

Page 1 of 1

PROJECT #	PROJECT NAME
0096498.009	OU3

SAMPLER: (PRINT NAME)	(SIGNATURE)
Adam Nagle	[signature]

RECEIVING LABORATORY: Test America

SAMPLE I.D.	DATE	TIME	COMP	GRAB	SAMPLING METHOD	PRESERVATIVE	ICE (Y/N)	SAMPLING VOLUME	# OF CONTAINERS	SOIL	WATER	GAS	VOC (8260B)	1,4-Dioxane Only (8270C)								
OU3-14D-D-030911	3/9/11	0945		X	Pump	HCl / –	Y	40mL / 1L	3 / 2		X		X	X							–	01
OU3-12D-D-030911		1347																			–	02
SC-MW-1D-S-030911		1105																			–	03

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
[signature] ERM	3/9	1710			
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
			[signature]	3/9/11	1710

FIELD REMARKS: RUN LEVEL 3 (As Seperate report)

REMARKS ON SAMPLE RECEIPT: ☒ BOTTLE INTACT ☐ CUSTODY SEALS ☒ CHILLED ☐ PRESERVED ☐ SEALS INTACT ☐ SEE REMARKS

ERM REMARKS: 2-8°C

SEND REPORT TO: Jason.Hilker@ERM.com

WHITE – LABORATORY COPY CANARY – FIELD COPY PINK – DATABASE GOLD – PROJECT FILE

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

QA/QC DATA PACKAGE: LEVEL III

ANALYTICAL REPORTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0635-01 (OU3-14D-D-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	**0.50**	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0635-01 (OU3-14D-D-030911 - Water) - cont.					**Sampled: 03/09/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	**1.8**	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*88 %*				
Surrogate: Toluene-d8 (70-130%)				*100 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*112 %*				

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Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0635-02 (OU3-12D-D-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0635-02 (OU3-12D-D-030911 - Water) - cont.					**Sampled: 03/09/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*90 %*				
Surrogate: Toluene-d8 (70-130%)				*96 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*112 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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Environmental Resources Management Inc.-West
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Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0635-03 (SC-MW-1D-S-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0567	10	ND	1	3/15/2011	3/15/2011	
Benzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromodichloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Bromoform	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Bromomethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Butanone (MEK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
sec-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
tert-Butylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon disulfide	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Carbon tetrachloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Chloroethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Chloroform	EPA 8260B	11C0567	0.50	**1.4**	1	3/15/2011	3/15/2011	
Chloromethane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
2-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
4-Chlorotoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromochloromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dibromomethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Dichlorodifluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethane	EPA 8260B	11C0567	0.50	**0.83**	1	3/15/2011	3/15/2011	
1,2-Dichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1-Dichloroethene	EPA 8260B	11C0567	0.50	**0.84**	1	3/15/2011	3/15/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3-Dichloropropane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
2,2-Dichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Ethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Hexachlorobutadiene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0635-03 (SC-MW-1D-S-030911 - Water) - cont.					**Sampled: 03/09/11**			
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Iodomethane	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	L3
Isopropylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
p-Isopropyltoluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Methylene Chloride	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Naphthalene	EPA 8260B	11C0567	2.5	ND	1	3/15/2011	3/15/2011	
n-Propylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Styrene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Tetrachloroethene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Toluene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Trichloroethene	EPA 8260B	11C0567	0.50	**1.6**	1	3/15/2011	3/15/2011	
Trichlorofluoromethane	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Vinyl Acetate	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	L3
Vinyl chloride	EPA 8260B	11C0567	0.50	ND	1	3/15/2011	3/15/2011	
Xylenes, Total	EPA 8260B	11C0567	1.0	ND	1	3/15/2011	3/15/2011	
Freon 113	EPA 8260B	11C0567	2.0	ND	1	3/15/2011	3/15/2011	
Surrogate: Dibromofluoromethane (70-130%)				*87 %*				
Surrogate: Toluene-d8 (70-130%)				*97 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*111 %*				

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0635-01 (OU3-14D-D-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0426	1.0	ND	1	3/11/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*72 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*89 %*				
Sample ID: PUC0635-02 (OU3-12D-D-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0426	1.0	ND	1	3/11/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*76 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*90 %*				
Sample ID: PUC0635-03 (SC-MW-1D-S-030911 - Water)					**Sampled: 03/09/11**			
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0426	1.0	ND	1	3/11/2011	3/14/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*72 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*85 %*				

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QA/QC DATA PACKAGE: LEVEL III

QUALITY CONTROL SUMMARIES

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Blank Analyzed: 03/15/2011 (11C0567-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

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Attention: Jason Hilker

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Sampled: 03/09/11
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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Blank Analyzed: 03/15/2011 (11C0567-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*20.7*		*ug/l*	*25.0*		*83*	*70-130*			
Surrogate: Toluene-d8	*24.8*		*ug/l*	*25.0*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*28.0*		*ug/l*	*25.0*		*112*	*70-130*			

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VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
LCS Analyzed: 03/15/2011 (11C0567-BS1)										
Acetone	21.4	10	ug/l	25.0		86	30-150			
Benzene	23.6	0.50	ug/l	25.0		94	70-130			
Bromobenzene	24.0	0.50	ug/l	25.0		96	70-130			
Bromochloromethane	22.7	0.50	ug/l	25.0		91	70-130			
Bromodichloromethane	25.7	0.50	ug/l	25.0		103	70-130			
Bromoform	25.5	1.0	ug/l	25.0		102	67-122			
Bromomethane	26.4	1.0	ug/l	25.0		106	64-132			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0		102	48-150			
n-Butylbenzene	25.3	0.50	ug/l	25.0		101	70-130			
sec-Butylbenzene	23.9	0.50	ug/l	25.0		96	70-130			
tert-Butylbenzene	24.5	0.50	ug/l	25.0		98	70-130			
Carbon disulfide	23.5	0.50	ug/l	25.0		94	61-126			
Carbon tetrachloride	26.9	0.50	ug/l	25.0		107	70-130			
Chlorobenzene	23.8	0.50	ug/l	25.0		95	70-130			
Chloroethane	23.4	1.0	ug/l	25.0		94	69-128			
Chloroform	21.8	0.50	ug/l	25.0		87	70-130			
Chloromethane	24.8	1.0	ug/l	25.0		99	56-131			
2-Chlorotoluene	23.8	0.50	ug/l	25.0		95	70-130			
4-Chlorotoluene	24.7	0.50	ug/l	25.0		99	70-130			
Dibromochloromethane	26.0	0.50	ug/l	25.0		104	70-130			
1,2-Dibromo-3-chloropropane	25.9	2.5	ug/l	25.0		104	63-129			
1,2-Dibromoethane (EDB)	25.1	0.50	ug/l	25.0		100	70-130			
Dibromomethane	26.2	0.50	ug/l	25.0		105	70-130			
1,2-Dichlorobenzene	24.1	0.50	ug/l	25.0		97	70-130			
1,3-Dichlorobenzene	23.2	0.50	ug/l	25.0		93	70-130			
1,4-Dichlorobenzene	23.8	0.50	ug/l	25.0		95	70-130			
Dichlorodifluoromethane	27.4	0.50	ug/l	25.0		110	42-150			
1,1-Dichloroethane	21.4	0.50	ug/l	25.0		86	70-130			
1,2-Dichloroethane	23.8	0.50	ug/l	25.0		95	72-133			
1,1-Dichloroethene	23.1	0.50	ug/l	25.0		92	70-130			
cis-1,2-Dichloroethene	20.5	0.50	ug/l	25.0		82	70-130			
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130			
1,2-Dichloropropane	24.8	0.50	ug/l	25.0		99	70-130			
1,3-Dichloropropane	24.9	0.50	ug/l	25.0		99	70-130			
2,2-Dichloropropane	23.8	1.0	ug/l	25.0		95	70-130			

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Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
LCS Analyzed: 03/15/2011 (11C0567-BS1)										
1,1-Dichloropropene	25.1	0.50	ug/l	25.0		100	70-130			
cis-1,3-Dichloropropene	25.0	0.50	ug/l	25.0		100	70-130			
trans-1,3-Dichloropropene	28.1	0.50	ug/l	25.0		112	70-130			
Ethylbenzene	24.2	0.50	ug/l	25.0		97	70-130			
Hexachlorobutadiene	28.0	1.0	ug/l	25.0		112	70-130			
2-Hexanone	28.0	2.5	ug/l	25.0		112	44-150			
Iodomethane	34.8	2.5	ug/l	25.0		139	58-138			*L3*
Isopropylbenzene	26.5	0.50	ug/l	25.0		106	70-130			
p-Isopropyltoluene	24.8	0.50	ug/l	25.0		99	70-130			
Methylene Chloride	21.3	1.0	ug/l	25.0		85	70-130			
4-Methyl-2-pentanone (MIBK)	30.0	2.5	ug/l	25.0		120	61-142			
Methyl-tert-butyl Ether (MTBE)	23.2	0.50	ug/l	25.0		93	70-130			
Naphthalene	28.4	2.5	ug/l	25.0		114	65-129			
n-Propylbenzene	25.1	0.50	ug/l	25.0		100	70-130			
Styrene	24.8	0.50	ug/l	25.0		99	70-130			
1,1,1,2-Tetrachloroethane	23.8	0.50	ug/l	25.0		95	70-130			
1,1,2,2-Tetrachloroethane	26.1	0.50	ug/l	25.0		104	70-130			
Tetrachloroethene	24.0	0.50	ug/l	25.0		96	70-130			
Toluene	23.8	0.50	ug/l	25.0		95	70-130			
1,2,3-Trichlorobenzene	27.5	1.0	ug/l	25.0		110	70-130			
1,2,4-Trichlorobenzene	27.4	1.0	ug/l	25.0		109	70-130			
1,1,1-Trichloroethane	23.2	0.50	ug/l	25.0		93	70-130			
1,1,2-Trichloroethane	25.0	0.50	ug/l	25.0		100	70-130			
Trichloroethene	24.8	0.50	ug/l	25.0		99	70-130			
Trichlorofluoromethane	28.5	0.50	ug/l	25.0		114	78-149			
1,2,3-Trichloropropane	27.1	1.0	ug/l	25.0		108	70-130			
1,2,4-Trimethylbenzene	24.8	0.50	ug/l	25.0		99	70-130			
1,3,5-Trimethylbenzene	25.1	0.50	ug/l	25.0		100	70-130			
Vinyl Acetate	39.0	1.0	ug/l	25.0		156	57-149			*L3*
Vinyl chloride	24.9	0.50	ug/l	25.0		100	66-134			
Xylenes, Total	49.5	1.0	ug/l	50.0		99	70-130			
Freon 113	23.3	2.0	ug/l	25.0		93	63-136			
Surrogate: Dibromofluoromethane	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*24.5*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.4*		*ug/l*	*25.0*		*106*	*70-130*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
LCS Dup Analyzed: 03/15/2011 (11C0567-BSD1)										
Acetone	17.4	10	ug/l	25.0		69	30-150	21	35	
Benzene	23.8	0.50	ug/l	25.0		95	70-130	1	20	
Bromobenzene	23.3	0.50	ug/l	25.0		93	70-130	3	20	
Bromochloromethane	20.6	0.50	ug/l	25.0		82	70-130	10	20	
Bromodichloromethane	24.6	0.50	ug/l	25.0		98	70-130	5	20	
Bromoform	22.4	1.0	ug/l	25.0		89	67-122	13	20	
Bromomethane	22.8	1.0	ug/l	25.0		91	64-132	15	20	
2-Butanone (MEK)	21.6	2.5	ug/l	25.0		87	48-150	17	33	
n-Butylbenzene	25.8	0.50	ug/l	25.0		103	70-130	2	20	
sec-Butylbenzene	24.5	0.50	ug/l	25.0		98	70-130	3	20	
tert-Butylbenzene	23.6	0.50	ug/l	25.0		94	70-130	4	20	
Carbon disulfide	24.0	0.50	ug/l	25.0		96	61-126	2	20	
Carbon tetrachloride	27.3	0.50	ug/l	25.0		109	70-130	2	20	
Chlorobenzene	23.9	0.50	ug/l	25.0		96	70-130	0.6	20	
Chloroethane	23.9	1.0	ug/l	25.0		95	69-128	2	20	
Chloroform	22.2	0.50	ug/l	25.0		89	70-130	2	20	
Chloromethane	27.0	1.0	ug/l	25.0		108	56-131	9	20	
2-Chlorotoluene	23.5	0.50	ug/l	25.0		94	70-130	1	20	
4-Chlorotoluene	24.3	0.50	ug/l	25.0		97	70-130	1	20	
Dibromochloromethane	24.0	0.50	ug/l	25.0		96	70-130	8	20	
1,2-Dibromo-3-chloropropane	21.9	2.5	ug/l	25.0		87	63-129	17	25	
1,2-Dibromoethane (EDB)	22.8	0.50	ug/l	25.0		91	70-130	10	20	
Dibromomethane	24.6	0.50	ug/l	25.0		99	70-130	6	20	
1,2-Dichlorobenzene	23.5	0.50	ug/l	25.0		94	70-130	3	20	
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0		91	70-130	1	20	
1,4-Dichlorobenzene	23.4	0.50	ug/l	25.0		93	70-130	2	20	
Dichlorodifluoromethane	27.8	0.50	ug/l	25.0		111	42-150	1	20	
1,1-Dichloroethane	22.8	0.50	ug/l	25.0		91	70-130	6	20	
1,2-Dichloroethane	22.4	0.50	ug/l	25.0		90	72-133	6	20	
1,1-Dichloroethene	23.4	0.50	ug/l	25.0		93	70-130	1	20	
cis-1,2-Dichloroethene	21.0	0.50	ug/l	25.0		84	70-130	2	20	
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130	0.09	20	
1,2-Dichloropropane	24.0	0.50	ug/l	25.0		96	70-130	3	20	
1,3-Dichloropropane	23.1	0.50	ug/l	25.0		93	70-130	7	20	
2,2-Dichloropropane	22.6	1.0	ug/l	25.0		90	70-130	5	20	

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
LCS Dup Analyzed: 03/15/2011 (11C0567-BSD1)										
1,1-Dichloropropene	26.1	0.50	ug/l	25.0		104	70-130	4	20	
cis-1,3-Dichloropropene	24.7	0.50	ug/l	25.0		99	70-130	1	20	
trans-1,3-Dichloropropene	25.9	0.50	ug/l	25.0		104	70-130	8	20	
Ethylbenzene	24.9	0.50	ug/l	25.0		100	70-130	3	20	
Hexachlorobutadiene	27.5	1.0	ug/l	25.0		110	70-130	2	20	
2-Hexanone	21.2	2.5	ug/l	25.0		85	44-150	28	31	
Iodomethane	25.8	2.5	ug/l	25.0		103	58-138	30	25	*R1*
Isopropylbenzene	26.5	0.50	ug/l	25.0		106	70-130	0.08	20	
p-Isopropyltoluene	24.8	0.50	ug/l	25.0		99	70-130	0.2	20	
Methylene Chloride	20.8	1.0	ug/l	25.0		83	70-130	3	20	
4-Methyl-2-pentanone (MIBK)	23.4	2.5	ug/l	25.0		94	61-142	25	22	*R6*
Methyl-tert-butyl Ether (MTBE)	21.0	0.50	ug/l	25.0		84	70-130	10	20	
Naphthalene	24.3	2.5	ug/l	25.0		97	65-129	16	20	
n-Propylbenzene	25.3	0.50	ug/l	25.0		101	70-130	0.8	20	
Styrene	24.8	0.50	ug/l	25.0		99	70-130	0.4	20	
1,1,1,2-Tetrachloroethane	23.0	0.50	ug/l	25.0		92	70-130	4	20	
1,1,2,2-Tetrachloroethane	22.3	0.50	ug/l	25.0		89	70-130	16	20	
Tetrachloroethene	25.0	0.50	ug/l	25.0		100	70-130	4	20	
Toluene	24.1	0.50	ug/l	25.0		96	70-130	1	20	
1,2,3-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130	11	20	
1,2,4-Trichlorobenzene	25.8	1.0	ug/l	25.0		103	70-130	6	20	
1,1,1-Trichloroethane	23.5	0.50	ug/l	25.0		94	70-130	2	20	
1,1,2-Trichloroethane	23.3	0.50	ug/l	25.0		93	70-130	7	20	
Trichloroethene	24.5	0.50	ug/l	25.0		98	70-130	1	20	
Trichlorofluoromethane	28.6	0.50	ug/l	25.0		115	78-149	0.6	20	
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0		91	70-130	17	20	
1,2,4-Trimethylbenzene	25.2	0.50	ug/l	25.0		101	70-130	1	20	
1,3,5-Trimethylbenzene	25.3	0.50	ug/l	25.0		101	70-130	0.6	20	
Vinyl Acetate	29.0	1.0	ug/l	25.0		116	57-149	29	21	*R1*
Vinyl chloride	25.8	0.50	ug/l	25.0		103	66-134	4	20	
Xylenes, Total	49.8	1.0	ug/l	50.0		100	70-130	0.6	20	
Freon 113	23.8	2.0	ug/l	25.0		95	63-136	2	20	
Surrogate: Dibromofluoromethane	*21.2*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.7*		*ug/l*	*25.0*		*103*	*70-130*			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Matrix Spike Analyzed: 03/15/2011 (11C0567-MS1)					**Source: PUC0635-01**					
Acetone	17.0	10	ug/l	25.0	ND	68	10-150			
Benzene	23.0	0.50	ug/l	25.0	ND	92	70-130			
Bromobenzene	23.6	0.50	ug/l	25.0	ND	95	70-130			
Bromochloromethane	21.0	0.50	ug/l	25.0	ND	84	70-130			
Bromodichloromethane	23.5	0.50	ug/l	25.0	ND	94	70-130			
Bromoform	23.3	1.0	ug/l	25.0	ND	93	62-126			
Bromomethane	23.7	1.0	ug/l	25.0	ND	95	55-136			
2-Butanone (MEK)	20.7	2.5	ug/l	25.0	ND	83	22-150			
n-Butylbenzene	24.6	0.50	ug/l	25.0	ND	99	70-130			
sec-Butylbenzene	23.9	0.50	ug/l	25.0	ND	96	70-130			
tert-Butylbenzene	24.5	0.50	ug/l	25.0	ND	98	70-130			
Carbon disulfide	24.8	0.50	ug/l	25.0	0.220	98	56-132			
Carbon tetrachloride	26.2	0.50	ug/l	25.0	ND	105	76-131			
Chlorobenzene	22.9	0.50	ug/l	25.0	ND	91	70-130			
Chloroethane	23.6	1.0	ug/l	25.0	ND	94	67-134			
Chloroform	21.2	0.50	ug/l	25.0	ND	85	70-130			
Chloromethane	25.6	1.0	ug/l	25.0	ND	102	50-135			
2-Chlorotoluene	23.7	0.50	ug/l	25.0	ND	95	70-130			
4-Chlorotoluene	24.4	0.50	ug/l	25.0	ND	98	70-130			
Dibromochloromethane	24.2	0.50	ug/l	25.0	ND	97	70-130			
1,2-Dibromo-3-chloropropane	23.4	2.5	ug/l	25.0	ND	94	60-135			
1,2-Dibromoethane (EDB)	23.4	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	24.1	0.50	ug/l	25.0	ND	96	70-130			
1,2-Dichlorobenzene	23.2	0.50	ug/l	25.0	ND	93	70-130			
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,4-Dichlorobenzene	23.2	0.50	ug/l	25.0	ND	93	70-130			
Dichlorodifluoromethane	27.6	0.50	ug/l	25.0	ND	110	36-150			
1,1-Dichloroethane	21.8	0.50	ug/l	25.0	ND	87	70-130			
1,2-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	68-143			
1,1-Dichloroethene	23.8	0.50	ug/l	25.0	ND	95	70-130			
cis-1,2-Dichloroethene	20.6	0.50	ug/l	25.0	ND	83	70-130			
trans-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichloropropane	23.5	0.50	ug/l	25.0	ND	94	70-130			
2,2-Dichloropropane	23.9	1.0	ug/l	25.0	ND	96	66-130			

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Matrix Spike Analyzed: 03/15/2011 (11C0567-MS1)					**Source: PUC0635-01**					
1,1-Dichloropropene	25.6	0.50	ug/l	25.0	ND	102	70-130			
cis-1,3-Dichloropropene	24.1	0.50	ug/l	25.0	ND	97	70-130			
trans-1,3-Dichloropropene	25.2	0.50	ug/l	25.0	ND	101	71-132			
Ethylbenzene	25.1	0.50	ug/l	25.0	0.500	98	70-130			
Hexachlorobutadiene	25.1	1.0	ug/l	25.0	ND	100	66-129			
2-Hexanone	23.3	2.5	ug/l	25.0	ND	93	18-150			
Iodomethane	31.7	2.5	ug/l	25.0	ND	127	47-141			
Isopropylbenzene	26.9	0.50	ug/l	25.0	ND	108	78-137			
p-Isopropyltoluene	24.1	0.50	ug/l	25.0	ND	96	70-130			
Methylene Chloride	20.3	1.0	ug/l	25.0	ND	81	74-132			
4-Methyl-2-pentanone (MIBK)	25.6	2.5	ug/l	25.0	ND	102	56-145			
Methyl-tert-butyl Ether (MTBE)	20.7	0.50	ug/l	25.0	ND	83	67-138			
Naphthalene	26.0	2.5	ug/l	25.0	ND	104	54-135			
n-Propylbenzene	25.8	0.50	ug/l	25.0	ND	103	70-130			
Styrene	24.3	0.50	ug/l	25.0	ND	97	51-123			
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,1,2,2-Tetrachloroethane	24.2	0.50	ug/l	25.0	ND	97	69-133			
Tetrachloroethene	24.9	0.50	ug/l	25.0	ND	100	70-130			
Toluene	23.6	0.50	ug/l	25.0	ND	94	70-130			
1,2,3-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	70-130			
1,2,4-Trichlorobenzene	25.4	1.0	ug/l	25.0	ND	102	66-126			
1,1,1-Trichloroethane	23.0	0.50	ug/l	25.0	ND	92	76-132			
1,1,2-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	70-130			
Trichloroethene	24.3	0.50	ug/l	25.0	ND	97	70-130			
Trichlorofluoromethane	28.7	0.50	ug/l	25.0	ND	115	74-150			
1,2,3-Trichloropropane	24.8	1.0	ug/l	25.0	ND	99	70-130			
1,2,4-Trimethylbenzene	24.8	0.50	ug/l	25.0	ND	99	70-130			
1,3,5-Trimethylbenzene	24.8	0.50	ug/l	25.0	ND	99	61-138			
Vinyl Acetate	35.9	1.0	ug/l	25.0	ND	144	50-150			
Vinyl chloride	26.2	0.50	ug/l	25.0	ND	105	58-139			
Xylenes, Total	52.6	1.0	ug/l	50.0	1.75	102	70-130			
Freon 113	23.8	2.0	ug/l	25.0	ND	95	56-148			
Surrogate: Dibromofluoromethane	*21.5*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: Toluene-d8	*24.4*		*ug/l*	*25.0*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*26.3*		*ug/l*	*25.0*		*105*	*70-130*			

TestAmerica Phoenix

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Environmental Resources Management Inc.-West
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Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Matrix Spike Dup Analyzed: 03/15/2011 (11C0567-MSD1)					**Source: PUC0635-01**					
Acetone	16.1	10	ug/l	25.0	ND	64	10-150	5	35	
Benzene	22.8	0.50	ug/l	25.0	ND	91	70-130	0.7	20	
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130	3	20	
Bromochloromethane	19.7	0.50	ug/l	25.0	ND	79	70-130	6	20	
Bromodichloromethane	22.8	0.50	ug/l	25.0	ND	91	70-130	3	20	
Bromoform	21.5	1.0	ug/l	25.0	ND	86	62-126	8	20	
Bromomethane	21.0	1.0	ug/l	25.0	ND	84	55-136	12	24	
2-Butanone (MEK)	19.6	2.5	ug/l	25.0	ND	79	22-150	5	31	
n-Butylbenzene	25.5	0.50	ug/l	25.0	ND	102	70-130	4	20	
sec-Butylbenzene	24.5	0.50	ug/l	25.0	ND	98	70-130	2	20	
tert-Butylbenzene	23.7	0.50	ug/l	25.0	ND	95	70-130	3	20	
Carbon disulfide	24.3	0.50	ug/l	25.0	0.220	96	56-132	2	20	
Carbon tetrachloride	25.4	0.50	ug/l	25.0	ND	102	76-131	3	20	
Chlorobenzene	22.4	0.50	ug/l	25.0	ND	89	70-130	2	20	
Chloroethane	22.7	1.0	ug/l	25.0	ND	91	67-134	4	20	
Chloroform	21.3	0.50	ug/l	25.0	ND	85	70-130	0.09	20	
Chloromethane	24.4	1.0	ug/l	25.0	ND	97	50-135	5	20	
2-Chlorotoluene	23.0	0.50	ug/l	25.0	ND	92	70-130	3	20	
4-Chlorotoluene	24.0	0.50	ug/l	25.0	ND	96	70-130	1	20	
Dibromochloromethane	22.6	0.50	ug/l	25.0	ND	91	70-130	6	20	
1,2-Dibromo-3-chloropropane	21.8	2.5	ug/l	25.0	ND	87	60-135	7	29	
1,2-Dibromoethane (EDB)	21.8	0.50	ug/l	25.0	ND	87	70-130	7	20	
Dibromomethane	22.8	0.50	ug/l	25.0	ND	91	70-130	6	20	
1,2-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	3	20	
1,3-Dichlorobenzene	22.5	0.50	ug/l	25.0	ND	90	70-130	1	20	
1,4-Dichlorobenzene	22.2	0.50	ug/l	25.0	ND	89	70-130	5	20	
Dichlorodifluoromethane	27.0	0.50	ug/l	25.0	ND	108	36-150	2	22	
1,1-Dichloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
1,2-Dichloroethane	21.0	0.50	ug/l	25.0	ND	84	68-143	4	20	
1,1-Dichloroethene	23.1	0.50	ug/l	25.0	ND	92	70-130	3	20	
cis-1,2-Dichloroethene	20.4	0.50	ug/l	25.0	ND	82	70-130	1	20	
trans-1,2-Dichloroethene	21.5	0.50	ug/l	25.0	ND	86	70-130	4	20	
1,2-Dichloropropane	23.1	0.50	ug/l	25.0	ND	92	70-130	1	20	
1,3-Dichloropropane	22.1	0.50	ug/l	25.0	ND	88	70-130	6	20	
2,2-Dichloropropane	22.4	1.0	ug/l	25.0	ND	90	66-130	7	20	

TestAmerica Phoenix

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
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Attention: Jason Hilker

Project ID: OU3 0096498.009

Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0567 Extracted: 03/15/11										
Matrix Spike Dup Analyzed: 03/15/2011 (11C0567-MSD1)					**Source: PUC0635-01**					
1,1-Dichloropropene	25.2	0.50	ug/l	25.0	ND	101	70-130	1	20	
cis-1,3-Dichloropropene	23.2	0.50	ug/l	25.0	ND	93	70-130	4	20	
trans-1,3-Dichloropropene	23.9	0.50	ug/l	25.0	ND	96	71-132	5	20	
Ethylbenzene	23.9	0.50	ug/l	25.0	0.500	94	70-130	5	20	
Hexachlorobutadiene	25.5	1.0	ug/l	25.0	ND	102	66-129	2	21	
2-Hexanone	20.8	2.5	ug/l	25.0	ND	83	18-150	11	25	
Iodomethane	25.2	2.5	ug/l	25.0	ND	101	47-141	23	29	
Isopropylbenzene	26.8	0.50	ug/l	25.0	ND	107	78-137	0.4	20	
p-Isopropyltoluene	24.4	0.50	ug/l	25.0	ND	98	70-130	2	20	
Methylene Chloride	20.3	1.0	ug/l	25.0	ND	81	74-132	0.3	20	
4-Methyl-2-pentanone (MIBK)	23.3	2.5	ug/l	25.0	ND	93	56-145	9	26	
Methyl-tert-butyl Ether (MTBE)	19.8	0.50	ug/l	25.0	ND	79	67-138	4	21	
Naphthalene	24.3	2.5	ug/l	25.0	ND	97	54-135	6	33	
n-Propylbenzene	24.7	0.50	ug/l	25.0	ND	99	70-130	4	20	
Styrene	23.2	0.50	ug/l	25.0	ND	93	51-123	4	21	
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130	2	20	
1,1,2,2-Tetrachloroethane	22.2	0.50	ug/l	25.0	ND	89	69-133	9	20	
Tetrachloroethene	24.4	0.50	ug/l	25.0	ND	98	70-130	2	20	
Toluene	22.6	0.50	ug/l	25.0	ND	90	70-130	4	20	
1,2,3-Trichlorobenzene	24.1	1.0	ug/l	25.0	ND	97	70-130	3	20	
1,2,4-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	66-126	2	20	
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	76-132	1	20	
1,1,2-Trichloroethane	22.2	0.50	ug/l	25.0	ND	89	70-130	2	20	
Trichloroethene	24.0	0.50	ug/l	25.0	ND	96	70-130	1	20	
Trichlorofluoromethane	27.6	0.50	ug/l	25.0	ND	110	74-150	4	20	
1,2,3-Trichloropropane	22.2	1.0	ug/l	25.0	ND	89	70-130	11	20	
1,2,4-Trimethylbenzene	24.3	0.50	ug/l	25.0	ND	97	70-130	2	20	
1,3,5-Trimethylbenzene	24.3	0.50	ug/l	25.0	ND	97	61-138	2	33	
Vinyl Acetate	31.1	1.0	ug/l	25.0	ND	124	50-150	14	23	
Vinyl chloride	25.4	0.50	ug/l	25.0	ND	101	58-139	3	21	
Xylenes, Total	50.5	1.0	ug/l	50.0	1.75	97	70-130	4	20	
Freon 113	23.5	2.0	ug/l	25.0	ND	94	56-148	1	22	
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*24.0*		*ug/l*	*25.0*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*25.9*		*ug/l*	*25.0*		*104*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0426 Extracted: 03/11/11										
Blank Analyzed: 03/14/2011 (11C0426-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*13.6*		*ug/l*	*20.0*		*68*	*20-105*			
Surrogate: Nitrobenzene-d5	*17.2*		*ug/l*	*20.0*		*86*	*30-130*			
LCS Analyzed: 03/14/2011 (11C0426-BS1)										**Q8**
1,4-Dioxane	20.8	1.0	ug/l	20.0		104	85-115			
Surrogate: 1,4-Dioxane-d8	*14.7*		*ug/l*	*20.0*		*74*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.4*		*ug/l*	*20.0*		*87*	*35-140*			
LCS Dup Analyzed: 03/14/2011 (11C0426-BSD1)										**Q8**
1,4-Dioxane	20.7	1.0	ug/l	20.0		104	85-115	0.1	20	
Surrogate: 1,4-Dioxane-d8	*15.6*		*ug/l*	*20.0*		*78*	*30-105*			
Surrogate: Nitrobenzene-d5	*17.1*		*ug/l*	*20.0*		*85*	*35-140*			

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Sampled: 03/09/11
Received: 03/09/11

DATA QUALIFIERS AND DEFINITIONS

L3	The associated blank spike recovery was above method acceptance limits.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

TestAmerica Phoenix

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Project Manager

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Project ID: OU3 0096498.009
Report Number: PUC0635

Sampled: 03/09/11
Received: 03/09/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

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Kylie Emily
Project Manager

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CALIBRATION DATA

METHOD: 8260B

DATE: 03/14/2011

(*) No Ethanol, TBA on this Curve, spiked in SS/ICV.)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Phoenix

SOP No. PE-QAD-022, Rev. 0
Effective Date: 09/30/2008
Page No.: 1 of 1

Attachment 1

INITIAL CALIBRATION CURVE CHECKLIST

Department: VOA	Method: 8260	Instrument #~~GCMS 3~~ GCMS 13 *
Analyst: NL		Analysis Date: * ~~3/10~~ 3/14/11

Method name saved in the file: * ML 3/15/11

1. How many calibration points were used? 3, 4, 5, 6, 7, 8, (9), 10, 11, 12
2. Did the calibration curve pass the method criteria? (Y) N
3. Were any points of the curve removed or replaced? Y (N)
   If yes, what points were removed or replaced: lowest middle highest
   Why?
4. Were any individual analyte points removed? (Y) N
   If yes, what points were removed or replaced: (lowest) middle highest
   List of the analytes: Ethanol, TBA, Bromomethane, acetone, iodomethane, and 1,2-Dibromo-3-chloropropane
   Why? Less than lowest RL; RSD > 15%
5. Circle the calibration model used (you may circle one or more)
   - ☑ Average Response Factor
   - ☑ Linear Regression / not forced through zero / simple linear
     - ☐ Equal weighting
     - ☑ Inverse of concentration
     - ☐ Inverse of square of concentration
   - ☐ Linear Regression / forced through zero
   - ☑ 2nd Order Regression (Quadratic) / not forced through zero
     - ☐ Equal weighting
     - ☑ Inverse of concentration
     - ☐ Inverse of square of concentration
6. Did the calibration meet the Good Documentation Practices SOP requirements: (Y) N

Review Signatures:	Analyst: [signature]	Date: 3/15/11
	Reviewer: [signature]	Date: 3/16/11

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL DATA REVIEW CHECKLIST

SOP PE-VOA-001 R.1
GC/MS Volatile Organic Analysis [Method No. EPA 624 & 8260B]

Analysis Date: 3/14/11	Analyst: NL

Description	Yes	No	NA[1]
1. BFB (50 ng or less): Verify meets criteria every 12 hours	✓		
2. Initial Calibration Curve (5 levels)			
- Date of Initial Calibration: 3/14/11	✓		
- SPCCs must meet Min. RF	✓		
- CCCs ≤ 30% RPD	✓		
- All other compounds ≤ 15% RSD or use curve	✓		
- Comments:			
- Second source within historical limits	✓		
3. Continuing Calibration Check (every 12 hours)			
- SPCCs must meet Min. RF	✓		
- CCCs ≤ 20% D	✓		
- IS RT ± 30 secs	✓		
- IS area –50% to +100%	✓		
- All CCVs for reported analytes within historical limits	✓		
4. Method Blank			
- Analyze one per batch (≤ 20 samples or 12 hours, whichever is more frequent)	✓		
- All compounds of interest must be < Reporting Limit	✓		
5. Laboratory Control Samples (LCS/LCSD)			NA
- Must be analyzed per 20 samples/per matrix/per batch			
- LCS/LSCD recoveries within historical limits			
- RPD ≤ 25%			
- Surrogates within historical limits			
6. MS/MSD			
- Must be analyzed per 20 samples/per matrix/per batch			
- MS/MSD recoveries within historical limits			
- RPD ≤ 25%			
- Surrogates within historical limits			
7. Samples			
- Analyzed within 14 days of sampling			
- IS = RT ± 30 secs and area –50% to +100% of Mid-Point of last ICAL or CCV			
- Surrogate recoveries within historical limits			
- pH ≤ 2			
- If pH is not ≤ 2, flag data with P and pH Data Qualifier			

Comments:

NOTE: Batch = 12 hour (from injection of BFB)

Review Signatures:	Analyst: [signature]	Date: 3/15/11
	Reviewer: [signature]	Date: 3/16/11

[1]) NA: Not Applicable

Injection Log

Directory: C:\HPCHEM\1\GCMS13\DATA\031411

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	03141101.d	1.	BLK		14 Mar 2011 06:23
2	2	03141102.d	1.	BLK		14 Mar 2011 06:56
3	1	03141103.d	1.	TUNE		14 Mar 2011 07:43
4	1	03141104.d	1.	25 PPB CCV		14 Mar 2011 08:12
5	2	03141105.d	1.	BLANK		14 Mar 2011 08:55
6	3	03141106.d	1.	BLANK		14 Mar 2011 09:28
7	4	03141107.d	1.	BLANK		14 Mar 2011 10:01
8	5	03141108.d	1.	0.5 PPB CAL PT		14 Mar 2011 10:33
9	6	03141109.d	1.	1.0 PPB CAL PT		14 Mar 2011 11:06
10	7	03141110.d	1.	2.0 PPB CAL PT		14 Mar 2011 11:39
11	8	03141111.d	1.	2.0 PPB CAL PT		14 Mar 2011 12:14
12	9	03141112.d	1.	5.0 PPB CAL PT		14 Mar 2011 12:47
13	10	03141113.d	1.	10 PPB CAL PT		14 Mar 2011 13:20
14	11	03141114.d	1.	25 PPB CAL PT		14 Mar 2011 13:53
15	12	03141115.d	1.	50 PPB CAL PT		14 Mar 2011 14:25
16	13	03141116.d	1.	100 PPB CAL PT		14 Mar 2011 14:57
17	14	03141117.d	1.	200 PPB CAL PT		14 Mar 2011 15:29
18	15	03141118.d	1.	BLANK		14 Mar 2011 16:02
19	16	03141119.d	1.	BLANK		14 Mar 2011 16:35
20	1	03141120.d	1.	TUNE		14 Mar 2011 17:13
21	1	03141121.d	1.	25PPB CCV		14 Mar 2011 17:28
22	2	03141122.d	1.	BS/ICV		14 Mar 2011 18:01
23	3	03141123.d	1.	11C0531-BSD1		14 Mar 2011 18:34
24	4	03141124.d	1.	11C0531-MS1		14 Mar 2011 19:06
25	5	03141125.d	1.	11C0531-MSD1		14 Mar 2011 19:38
26	6	03141126.d	1.	BLK		14 Mar 2011 20:11
27	7	03141127.d	1.	11C0531-BLK1		14 Mar 2011 20:44
28	8	03141128.d	1.	PUC0598-05@TB		14 Mar 2011 21:17
29	9	03141129.d	1.	PUC0525-10@TB		14 Mar 2011 21:49
30	10	03141130.d	1.	PUC0526-02@TB		14 Mar 2011 22:22
31	11	03141131.d	1.	PUC0598-03		14 Mar 2011 22:55
32	12	03141132.d	1.	PUC0598-04		14 Mar 2011 23:28
33	13	03141133.d	1.	PUC0598-01		15 Mar 2011 00:01
34	14	03141134.d	1.	PUC0598-02		15 Mar 2011 00:33
35	15	03141135.d	1.	PUC0525-06		15 Mar 2011 01:06
36	16	03141136.d	1.	PUC0525-07		15 Mar 2011 01:39
37	17	03141137.d	1.	PUC0525-08		15 Mar 2011 02:12
38	18	03141138.d	1.	PUC0525-09		15 Mar 2011 02:45
39	19	03141139.d	1.	PUC0526-01		15 Mar 2011 03:18
40	20	03141140.d	1.	PUC0505-10RE1	10X	15 Mar 2011 03:51
41	21	03141141.d	1.	PUC0527-01RE1	50X	15 Mar 2011 04:24

M 3/15/11

MM 3/15/11

TestAmerica
Phoenix

GC/MS 13 DAILY LOG SUMMARY

DATE: 03-14-11 QC BATCH # (s) : 11C0531

ANALYST: NL SEQUENCE FILE: 031411.S

CALIBRATION METHOD(S): 031411.M

POS #	FILENAME	SAMPLE ID.CLIENT	SAMPLE VOL.	pH	EPA METHOD	MATRIX	COMMENTS
	03141101	Blank	1x 10ml	NA	8260	H_2O	
	02						
	03	Tune	2ul				
	04	25 ppb	1x10ml				
	05	Blank					
	06						
	07						
	08	0.5 ppb					* NL 3/14/11
	09	1.0					
	10	2.0					
	11	~~2.0~~ 3.0 *					
	12	5.0					
	13	10					
	14	25					
	15	50					
	16	100					
	17	200					
	18	Blank					
	19						
	20	Tune	2ul				
	21	25 ppb CCV	1x10ml				
	22	ICV / BS1					11C0531-BS1
	23	11C0531 - BSD1					
	24	~~BLK1~~ * MS1					vial B
	25	MSD1					1 c
	26	Blank					
	27	11C0531 - BLK1					
	28	PUC0598-05 A ~~TB~~					
	29	0525-10 A					
	30	0528-02 A					

STANDARD ID NUMBERS

CCV/H20 LCS/H20 SPIKE: PU01393, 01471

CALIBRATION STD: PU01521, 01334

IS/Surrogate: PU01157

BFB: PU01261

LOT #:

REQUIRED REVIEWS

ARCHON REVIEWED

By / Date: NL 3/14/11

SEQUENCE REVIEWED

By / Date: NL 3/15/

FINAL REVIEWER / Date: 4/11/11

TestAmerica
Phoenix

GC/MS 13 DAILY LOG SUMMARY

DATE: 3.14.11 (con't)

QC BATCH # (s) :

ANALYST:

SEQUENCE FILE:

CALIBRATION METHOD(S):

POS #	FILENAME	SAMPLE ID.CLIENT	SAMPLE VOL.	pH	EPA METHOD	MATRIX	COMMENTS
	03141131	PLCO598-03 A	1x10ml		8260	H_2O	
	32	04 A					Source
	33	01 A					
	34	02 A					
	35	0525-06 B					
	36	07 B					
	37	08 A					
	38	09 A					
	39	0526-01 A					
	40	0505-10RE1 @10X	1ml→10ml				
	41	0527-01RE1 @50X	200µl→10ml				

NL 3/15/11

STANDARD ID NUMBERS

CCV/H20 LCS/H20 SPIKE:

CALIBRATION STD:

IS/Surrogate:

BFB:

LOT #:

See prev. page (18)

REQUIRED REVIEWS

ARCHON REVIEWED

By / Date:

SEQUENCE REVIEWED

By / Date:

FINAL REVIEWER / Date:

PX-VOA-003/C-07/09

TestAmerica
Phoenix

Instrument ID	GCMS 13
Date:	3/14/11
Analyst	NL
Method(s)	8260
50 ppm Cal. Std.	PU01521
500 / 250 ppm EtOH/TBA Cal. Std.	PU01334
50 ppm SS Std.	PU01393
500 / 250 ppm EtOH/TBA SS Std.	PU01471

This table outlines the initial calibration preparation for GCMS 13.

	FINAL CONCENTRATIONS (ppb)		**SPIKE AMOUNTS (uL)**	
Calibration number	ISTD / Surrogates *	Target Compounds VOC / EtOH / TBA	Calibration standard 50 ppm and Ethanol/TBA standard 500 ppm /250 ppm	Final Volume (mL)
1	25	0.5 / 2.5 / 5	1	100
2	25	1 / 5 10	1	50
3	25	2 / 10 / 20	2	50
4	25	5 / 25 / 50	5	50
5	25	10 / 50 / 100	10	50
6*	**25**	**25 / 125 / 250**	**25**	**50**
7	25	50 / 250 / 500	50	50
8	25	100 / 500 / 1000	100	50
9	25	200 / 1000 / 2000	200	50

SS/ICVs are at the same level as Calibration point #6 and prepared the same way.

Reviewed By: _____ Date: 3/16/11

RESPONSE FACTOR REPORT

Operator NL
Standard Lot_____
Reviewed by_____
GCMS13

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration

Calibration File
0.5 =03141108.D 1.0 =03141109.D 2.0 =03141111.D 5.0 =03141112.D
25.0 =03141114.D 50.0 =03141115.D 100 =03141116.D 200 =03141117.D =

	Compound	0.5	1.0	2.0	5.0	10.0	25.0	50.0	100	200	Avg	%RSD
I	TBA-d9	ISTD										
T	Ethanol					0.076	0.081	0.087	0.081	0.073	0.080	6.69
T	tert-Butanol (TBA)			1.725	1.000	1.008	0.962	1.044	1.055	0.965	1.108	24.75 r²=0.997
I	Pentafluorobenzene	ISTD										
T	Dichlorodifluoromethane	0.915	0.833	0.942	0.943	0.936	0.917	0.945	0.921	0.890	0.916	3.92
P	Chloromethane	0.550	0.490	0.574	0.483	0.408	0.447	0.483	0.593	0.648	0.520	14.74
C	Vinyl chloride	0.523	0.513	0.656	0.564	0.550	0.540	0.560	0.570	0.524	0.556	7.67
T	Bromomethane		0.285	0.300	0.243	0.300	0.420	0.505	0.554	0.604	0.401	34.49 r²=1.001
T	Chloroethane	0.434	0.459	0.625	0.477	0.469	0.470	0.465	0.433	0.430	0.474	12.59
T	Trichlorofluoromethane	1.096	1.028	1.207	1.134	1.176	1.157	1.170	1.162	1.135	1.141	4.59
T	Acetone				0.139	0.136	0.107	0.120	0.113	0.127	0.124	10.20
T	Iodomethane			0.271	0.285	0.388	0.531	0.588	0.544	0.608	0.459	30.99 r²=0.996
C	1,1-Dichloroethene	0.624	0.527	0.691	0.567	0.574	0.558	0.579	0.580	0.572	0.586	7.97
T	Methylene chloride	0.743	0.712	0.837	0.666	0.678	0.646	0.655	0.640	0.632	0.690	9.52
T	Freon 113	0.738	0.686	0.736	0.732	0.764	0.738	0.748	0.748	0.715	0.734	3.05
T	Carbon disulfide	1.920	1.653	2.096	1.497	1.504	1.446	1.481	1.536	1.523	1.629	13.94
T	trans-1,2-Dichloroethene	0.669	0.606	0.889	0.619	0.654	0.625	0.649	0.642	0.622	0.664	13.05
T	MTBE	1.131	1.131	1.202	1.169	1.204	1.189	1.233	1.215	1.254	1.192	3.56
P	1,1-Dichloroethane	1.166	1.200	1.599	1.217	1.215	1.194	1.191	1.204	1.148	1.237	11.12
T	Vinyl acetate	0.555	0.560	0.576	0.505	0.509	0.594	0.602	0.603	0.647	0.572	8.05
T	n-Hexane	0.124	0.125	0.128	0.137	0.122	0.121	0.120	0.115	0.108	0.122	6.54
T	2-Butanone (MEK)	0.040	0.032	0.040	0.031	0.030	0.031	0.032	0.030	0.030	0.033	12.43
T	Diisopropylether (DIPE)	2.153	2.375	2.713	2.248	2.246	2.239	2.262	2.103	1.990	2.259	8.97
T	cis-1,2-dichloroethene	0.713	0.676	0.926	0.688	0.686	0.686	0.685	0.691	0.654	0.712	11.49
T	Bromochloromethane	0.229	0.244	0.266	0.244	0.240	0.244	0.247	0.251	0.251	0.246	4.12
C	Chloroform	1.296	1.297	1.738	1.317	1.305	1.256	1.272	1.258	1.193	1.326	12.00
T	2,2-Dichloropropane	1.116	1.071	1.452	1.030	0.999	0.992	0.993	0.992	0.948	1.066	14.36
T	(ETBE) 2-Ethoxy-2-methyl propane	1.563	1.701	1.913	1.714	1.681	1.727	1.767	1.696	1.674	1.715	5.40
S	Dibromofluoromethane	0.563	0.555	0.584	0.571	0.569	0.578	0.587	0.584	0.569	0.573	1.87
T	1,2-Dichloroethane	0.790	0.811	0.922	0.828	0.824	0.813	0.830	0.825	0.816	0.829	4.44
T	1,1,1-Trichloroethane	1.101	1.063	1.448	1.152	1.156	1.127	1.164	1.152	1.080	1.160	9.79

M 4/16/11

NL 3/15/11

T	(TAME) tert-Amyl methy ether	1.124	1.166	1.272	1.185	1.190	1.205	1.240	1.204	1.192	1.198	3.51
I	1,4-Difluorobenzene	----------ISTD----------										
T	1,1-Dichloropropene	0.621	0.596	0.740	0.623	0.624	0.599	0.597	0.605	0.587	0.621	7.49
T	Carbon tetrachloride	0.597	0.604	0.772	0.661	0.661	0.647	0.665	0.660	0.651	0.657	7.58
T	Benzene	1.567	1.521	2.016	1.553	1.569	1.486	1.512	1.474	1.394	1.566	11.32
T	Dibromomethane	0.217	0.222	0.253	0.239	0.237	0.230	0.228	0.222	0.227	0.230	4.76
C	1,2-Dichloropropane	0.381	0.383	0.500	0.396	0.399	0.386	0.379	0.370	0.358	0.395	10.50
T	Trichloroethene	0.500	0.473	0.610	0.474	0.477	0.473	0.458	0.459	0.446	0.486	10.06
T	Bromodichloromethane	0.570	0.571	0.721	0.617	0.623	0.604	0.617	0.594	0.604	0.614	7.25
T	2-Chlorovinylethylether	0.123	0.118	0.123	0.131	0.126	0.135	0.134	0.132	0.142	0.129	5.83
T	cis-1,3-Dichloropropene	0.570	0.570	0.705	0.590	0.602	0.599	0.594	0.590	0.582	0.600	6.82
T	4-Methyl-2-pentanone (MIBK)	0.186	0.185	0.194	0.189	0.193	0.201	0.200	0.193	0.214	0.195	4.68
T	trans-1,3-Dichloropropene	0.433	0.462	0.538	0.501	0.494	0.504	0.502	0.497	0.515	0.494	6.14
T	1,1,2-Trichloroethane	0.245	0.255	0.284	0.268	0.262	0.258	0.258	0.258	0.267	0.262	4.19
S	Toluene-d8	1.077	1.073	1.094	1.109	1.095	1.118	1.097	1.110	1.151	1.103	2.11
C	Toluene	0.896	0.964	1.251	0.987	0.947	0.919	0.892	0.856	0.852	0.952	12.75
I	Chlorobenzene-d5	----------ISTD----------										
T	1,3-Dichloropropane	0.476	0.514	0.535	0.497	0.516	0.472	0.473	0.447	0.471	0.489	5.73
T	2-Hexanone	0.169	0.160	0.169	0.150	0.154	0.141	0.149	0.136	0.154	0.153	7.44
T	Dibromochloromethane	0.356	0.343	0.425	0.391	0.394	0.385	0.397	0.382	0.409	0.387	6.46
T	1,2-Dibromoethane	0.301	0.288	0.291	0.296	0.307	0.289	0.294	0.283	0.306	0.295	2.78
T	Tetrachloroethene	0.446	0.451	0.540	0.433	0.443	0.406	0.414	0.398	0.396	0.436	10.13
T	1,1,1,2-Tetrachloroethane	0.574	0.440	0.531	0.432	0.421	0.402	0.408	0.396	0.415	0.447	14.04
P	Chlorobenzene	1.163	1.195	1.463	1.117	1.143	1.075	1.101	1.025	1.051	1.148	11.31
C	Ethylbenzene	2.051	2.111	2.735	2.057	2.104	1.984	1.948	1.789	1.708	2.054	14.14
T	m,p-Xylenes	0.733	0.742	0.957	0.727	0.715	0.672	0.684	0.644	0.639	0.724	13.15
T	Styrene	1.014	1.079	1.372	1.130	1.153	1.070	1.085	0.992	0.999	1.099	10.61
T	o-Xylene	0.682	0.727	0.956	0.725	0.702	0.647	0.619	0.591	0.580	0.692	16.36
S	4-Bromofluorobenzene	0.566	0.560	0.566	0.572	0.572	0.543	0.548	0.509	0.529	0.551	3.93
I	1,4-Dichlorobenzene-d4	----------ISTD----------										
P	Bromoform	0.352	0.383	0.468	0.432	0.432	0.474	0.471	0.484	0.515	0.446	11.54
P	1,1,2,2-Tetrachloroethane	0.519	0.491	0.504	0.493	0.482	0.499	0.458	0.448	0.452	0.483	5.17
T	1,2,3-Trichloropropane	0.140	0.132	0.138	0.142	0.139	0.143	0.138	0.141	0.149	0.140	3.36
T	Isopropylbenzene	2.960	3.169	4.099	3.228	3.178	3.261	3.064	3.065	2.875	3.211	11.08
T	Bromobenzene	0.886	0.859	1.052	0.879	0.864	0.891	0.857	0.862	0.841	0.888	7.14
T	n-Propylbenzene	4.027	4.111	5.343	4.267	4.231	4.136	3.971	3.869	3.486	4.160	12.05
T	2-Chlorotoluene	2.543	2.643	3.378	2.673	2.604	2.582	2.525	2.415	2.270	2.626	11.73
T	4-Chlorotoluene	2.504	2.754	3.500	2.706	2.656	2.595	2.502	2.507	2.294	2.669	12.75
T	1,3,5-Trimethylbenzene	2.655	2.886	3.708	2.909	2.878	2.838	2.740	2.768	2.533	2.879	11.59
T	tert-Butylbenzene	2.275	2.325	2.985	2.331	2.394	2.318	2.215	2.188	2.050	2.342	11.16
T	1,2,4-Trimethylbenzene	2.736	2.834	3.783	2.945	2.898	2.887	2.706	2.678	2.503	2.886	12.59
T	sec-Butylbenzene	3.582	3.581	4.719	3.810	3.796	3.703	3.502	3.417	3.103	3.690	11.98
T	1,3-Dichlorobenzene	1.594	1.644	1.990	1.653	1.578	1.537	1.480	1.455	1.389	1.591	10.90
T	1,4-Dichlorobenzene	1.645	1.699	2.009	1.576	1.572	1.537	1.476	1.435	1.373	1.591	11.72
T	p-Isopropyltoluene	3.023	2.983	3.805	3.026	2.959	2.963	2.841	2.715	2.483	2.978	12.01
T	1,2-Dichlorobenzene	1.414	1.395	1.645	1.418	1.366	1.388	1.337	1.313	1.249	1.392	7.85
T	n-Butylbenzene	2.769	2.939	3.797	3.061	3.017	3.014	2.959	2.826	2.528	2.990	11.53

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T	1,2-Dibromo-3-chloropropane			0.103	0.084	0.085	0.085	0.087	0.083	0.085	0.087	8.21
T	1,2,4-Trichlorobenzene	1.097	1.072	1.251	1.062	1.113	1.149	1.148	1.138	1.134	1.129	4.92
T	Naphthalene	1.191	1.205	1.317	1.249	1.337	1.423	1.394	1.318	1.411	1.316	6.55
T	Hexachlorobutadiene	0.485	0.588	0.695	0.576	0.587	0.617	0.596	0.610	0.608	0.596	9.06
T	1,2,3-Trichlorobenzene	0.879	0.866	0.956	0.890	0.891	0.918	0.912	0.910	0.926	0.905	2.99

(#) = Out of Range

031411.M Tue Mar 15 14:35:07 2011

NL

M 9/16/2

Calibration Status Report GCMS13

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	0.5	5	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D
2	1.0	10	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D
3	2.0	20	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D
4	5.0	50	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D
5	10.0	100	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D
6	25.0	250	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D
7	50.0	500	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D
8	100	1000	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D
9	200	2000	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.5	Mar 14 16:08 2011	Mar 14 15:56 2011	14 Mar 2011 10:33 am
2	1.0	Mar 14 16:09 2011	Mar 14 15:58 2011	14 Mar 2011 11:06 am
3	2.0	Mar 14 16:09 2011	Mar 14 15:59 2011	14 Mar 2011 12:14 pm
4	5.0	Mar 14 16:09 2011	Mar 14 16:00 2011	14 Mar 2011 12:47 pm
5	10.0	Mar 14 16:09 2011	Mar 14 16:01 2011	14 Mar 2011 1:20 pm
6	25.0	Mar 14 16:09 2011	Mar 14 16:04 2011	14 Mar 2011 1:53 pm
7	50.0	Mar 14 16:09 2011	Mar 14 16:05 2011	14 Mar 2011 2:25 pm
8	100	Mar 14 16:09 2011	Mar 14 16:06 2011	14 Mar 2011 2:57 pm
9	200	Mar 14 16:09 2011	Mar 14 16:07 2011	14 Mar 2011 3:29 pm

031411.M Tue Mar 15 14:34:58 2011

NL 3/15/11

M 3/14/11

Compound List Report GCMS13

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
Total Cpnds : 83

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	TBA-d9	65	7.31	1.000	A	0	A	B
2	T	Ethanol	45	5.90	0.807	A	1	A	B
3	T	tert-Butanol (TBA)	59	7.42	1.015	L	1	A	B
4	I	Pentafluorobenzene	168	10.47	1.000	A	1	A	B
5	T	Dichlorodifluoromethane	85	4.47	0.427	A	1	A	B
6	P	Chloromethane	50	4.78	0.456	A	1	A	B
7	C	Vinyl chloride	62	5.06	0.484	A	1	A	L
8	T	Bromomethane	94	5.66	0.541	Q	1	A	L
9	T	Chloroethane	64	5.87	0.561	A	2	A	B
10	T	Trichlorofluoromethane	101	6.68	0.637	A	1	A	B
11	T	Acetone	43	6.83	0.652	A	1	A	L
12	T	Iodomethane	142	7.46	0.712	L	2	A	B
13	C	1,1-Dichloroethene	96	7.41	0.708	A	2	A	L
14	T	Methylene chloride	84	7.60	0.725	A	2	A	B
15	T	Freon 113	101	7.66	0.732	A	2	A	B
16	T	Carbon disulfide	76	7.92	0.757	A	2	A	B
17	T	trans-1,2-Dichloroethene	96	8.48	0.810	A	2	A	B
18	T	MTBE	73	8.62	0.823	A	1	A	B
19	P	1,1-Dichloroethane	63	8.81	0.841	A	2	A	B
20	T	Vinyl acetate	43	8.95	0.855	A	1	A	B
21	T	n-Hexane	86	9.33	0.890	A	1	A	B
22	T	2-Butanone (MEK)	72	9.34	0.892	A	2	A	B
23	T	Diisopropylether (DIPE)	45	9.36	0.894	A	3	A	B
24	T	cis-1,2-dichloroethene	96	9.54	0.911	A	2	A	B
25	T	Bromochloromethane	128	9.76	0.932	A	2	A	B
26	C	Chloroform	83	9.81	0.937	A	2	A	B
27	T	2,2-Dichloropropane	77	9.92	0.948	A	2	A	B
28	T	(ETBE) 2-Ethoxy-2-methyl propa	59	9.87	0.943	A	2	A	B
29	S	Dibromofluoromethane	113	9.97	0.952	A	0	A	B
30	T	1,2-Dichloroethane	62	10.66	1.018	A	2	A	B
31	T	1,1,1-Trichloroethane	97	10.79	1.031	A	2	A	B
32	T	(TAME) tert-Amyl methy ether	73	11.50	1.098	A	3	A	R
33	I	1,4-Difluorobenzene	114	11.60	1.000	A	0	A	B
34	T	1,1-Dichloropropene	75	11.03	0.951	A	2	A	B
35	T	Carbon tetrachloride	117	11.27	0.971	A	2	A	B
36	T	Benzene	78	11.32	0.975	A	1	A	B
37	T	Dibromomethane	93	12.05	1.039	A	2	A	B
38	C	1,2-Dichloropropane	63	12.09	1.042	A	2	A	B
39	T	Trichloroethene	95	12.14	1.047	A	3	A	B
40	T	Bromodichloromethane	83	12.20	1.052	A	2	A	B
41	T	2-Chlorovinylethylether	63	12.73	1.097	A	2	A	B
42	T	cis-1,3-Dichloropropene	75	13.04	1.124	A	2	A	B
43	T	4-Methyl-2-pentanone (MIBK)	43	13.17	1.135	A	1	A	L
44	T	trans-1,3-Dichloropropene	75	13.60	1.172	A	2	A	B
45	T	1,1,2-Trichloroethane	97	13.82	1.191	A	2	A	Q
46	S	Toluene-d8	98	13.99	1.206	A	0	A	B
47	C	Toluene	92	14.08	1.214	A	2	A	Q
48	I	Chlorobenzene-d5	117	15.95	1.000	A	0	A	B
49	T	1,3-Dichloropropane	76	14.14	0.887	A	1	A	B
50	T	2-Hexanone	43	14.33	0.898	A	2	A	B
51	T	Dibromochloromethane	129	14.52	0.911	A	1	A	B
52	T	1,2-Dibromoethane	107	14.85	0.931	A	1	A	B
53	T	Tetrachloroethene	164	15.08	0.946	A	2	A	B
54	T	1,1,1,2-Tetrachloroethane	131	15.88	0.996	A	2	A	B
55		Chlorobenzene	112	15.99	1.003	A	2	A	B
56	C	Ethylbenzene	91	16.24	1.019	A	1	A	B
57	T	m,p-Xylenes	106	16.51	1.035	A	2	A	B
58	T	Styrene	104	16.96	1.063	A	3	A	B
59	T	o-Xylene	106	17.06	1.070	Q	2	A	B

M/ 1/16/11

60	S		4-Bromofluorobenzene	95	17.62	1.105	A	2	A	B
61	I		1,4-Dichlorobenzene-d4	152	19.41	1.000	A	2	A	B
62	P		Bromoform	173	16.68	0.860	A	1	A	B
63	P		1,1,2,2-Tetrachloroethane	83	17.05	0.878	A	2	A	B
64		T	1,2,3-Trichloropropane	110	17.25	0.889	A	2	A	R
65		T	Isopropylbenzene	105	17.56	0.905	A	1	A	L
66		T	Bromobenzene	156	17.92	0.923	A	2	A	B
67		T	n-Propylbenzene	91	18.17	0.936	A	1	A	B
68		T	2-Chlorotoluene	91	18.31	0.943	A	1	A	R
69		T	4-Chlorotoluene	91	18.42	0.949	A	1	A	R
70		T	1,3,5-Trimethylbenzene	105	18.57	0.957	A	1	A	B
71		T	tert-Butylbenzene	119	18.96	0.977	A	2	A	B
72		T	1,2,4-Trimethylbenzene	105	19.11	0.984	A	1	A	B
73		T	sec-Butylbenzene	105	19.25	0.992	A	1	A	R
74		T	1,3-Dichlorobenzene	146	19.36	0.997	A	2	A	R
75		T	1,4-Dichlorobenzene	146	19.44	1.002	A	2	A	R
76		T	p-Isopropyltoluene	119	19.48	1.003	A	2	A	R
77		T	1,2-Dichlorobenzene	146	19.88	1.024	A	2	A	B
78		T	n-Butylbenzene	91	19.98	1.030	A	2	A	B
79		T	1,2-Dibromo-3-chloropropane	75	20.45	1.053	A	2	A	B
80		T	1,2,4-Trichlorobenzene	180	22.15	1.141	A	2	A	B
81		T	Naphthalene	128	22.50	1.159	A	1	A	B
82		T	Hexachlorobutadiene	225	22.55	1.162	A	2	A	B
83		T	1,2,3-Trichlorobenzene	180	22.77	1.173	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

031411.M Tue Mar 15 14:34:50 2011

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141101.D Vial: 1
Acq On : 14 Mar 2011 6:23 am Operator: NL
Sample : BLK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:54 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

clean out

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.32	65	174114	200.00	ug/L	0.00
4) Pentafluorobenzene	10.48	168	1241671	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1816668	25.00	ug/L	-0.01
48) Chlorobenzene-d5	15.94	117	1495081	25.00	ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	825987	25.00	ug/L	-0.03
System Monitoring Compounds						
29) Dibromofluoromethane	9.98	113	664479	22.24	ug/L	0.00
Spiked Amount 25.000			Recovery =	88.96%		
46) Toluene-d8	13.99	98	1888700	24.09	ug/L	-0.01
Spiked Amount 25.000			Recovery =	96.36%		
60) 4-Bromofluorobenzene	17.62	95	826695	27.54	ug/L	-0.03
Spiked Amount 25.000			Recovery =	110.16%		

Target Compounds						Qvalue
2) Ethanol	5.94	45	7103	47.64	ug/L	95
3) tert-Butanol (TBA)	7.44	59	7821	6.09	ug/L	97
8) Bromomethane	5.69	94	1467	0.94	ug/L	91
11) Acetone	6.87	43	98385	14.88	ug/L #	86
12) Iodomethane	7.49	142	1313	1.05	ug/L #	83
14) Methylene chloride	7.63	84	4652	0.13	ug/L	98
16) Carbon disulfide	7.94	76	79760	0.71	ug/L #	97
21) n-Hexane	9.33	86	1224	0.18	ug/L #	33
22) 2-Butanone (MEK)	9.37	72	2078	1.22	ug/L #	1
25) Bromochloromethane	9.77	128	1551	0.12	ug/L #	72
30) 1,2-Dichloroethane	10.67	62	4391	0.12	ug/L	93
35) Carbon tetrachloride	11.26	117	451	0.50	ug/L #	1
36) Benzene	11.32	78	15723	0.15	ug/L #	89
37) Dibromomethane	12.05	93	2241	0.15	ug/L	96
42) cis-1,3-Dichloropropene	13.05	75	3618	0.09	ug/L #	46
43) 4-Methyl-2-pentanone (MIBK	13.18	43	19054	1.36	ug/L	94
44) trans-1,3-Dichloropropene	13.60	75	3203	0.11	ug/L #	55
47) Toluene	14.10	92	21679	0.35	ug/L	95
50) 2-Hexanone	14.34	43	3623	0.39	ug/L #	87
52) 1,2-Dibromoethane	14.86	107	1995	0.12	ug/L	89
57) m,p-Xylenes	16.50	106	4547	0.11	ug/L	97
66) Bromobenzene	17.92	156	2945	0.10	ug/L	97
69) 4-Chlorotoluene	18.41	91	8325	0.10	ug/L	94
72) 1,2,4-Trimethylbenzene	19.10	105	9605	0.10	ug/L	98
74) 1,3-Dichlorobenzene	19.36	146	6917	0.13	ug/L	89
75) 1,4-Dichlorobenzene	19.44	146	8476	0.16	ug/L #	62
76) p-Isopropyltoluene	19.48	119	9361	0.10	ug/L	95
77) 1,2-Dichlorobenzene	19.89	146	5612	0.12	ug/L	95
78) n-Butylbenzene	19.98	91	13124	0.13	ug/L	96
79) 1,2-Dibromo-3-chloropropan	20.43	75	605	0.20	ug/L #	47
80) 1,2,4-Trichlorobenzene	22.15	180	10562	0.31	ug/L	93
81) Naphthalene	22.50	128	20570	0.46	ug/L	98
83) 1,2,3-Trichlorobenzene	22.76	180	10173	0.36	ug/L	91

ml 3/16/11

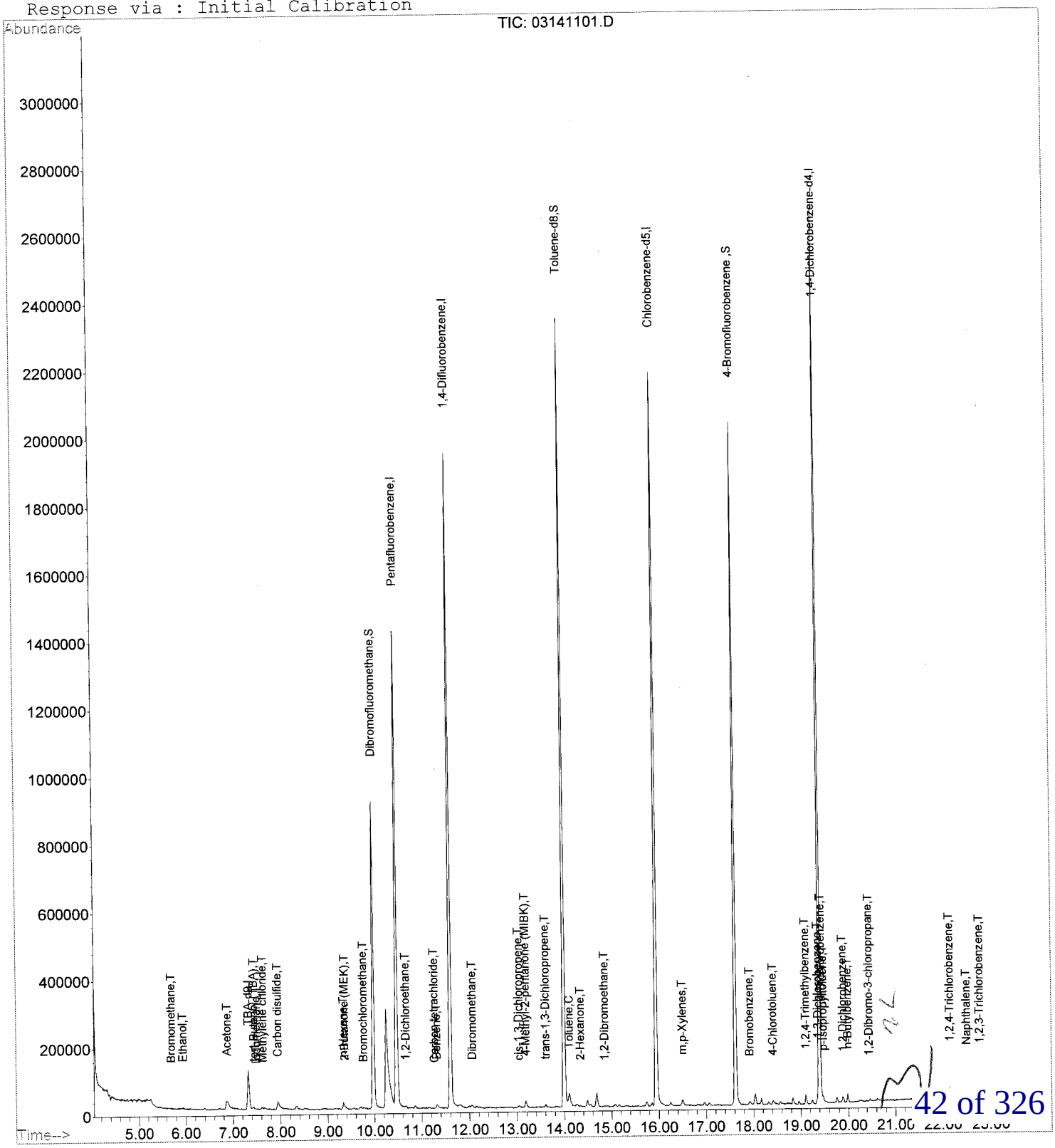
NL 3/15/11

(#) = qualifier out of range (m) = manual integration
03141101.D 030211.M Mon Mar 14 15:54:43 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141101.D Vial: 1
Acq On : 14 Mar 2011 6:23 am Operator: NL
Sample : BLK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:54 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141102.D Vial: 2
Acq On : 14 Mar 2011 6:56 am Operator: NL
Sample : BLK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:54 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Clean out

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.32	65	190283	200.00	ug/L	0.00
4) Pentafluorobenzene	10.48	168	1036337	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1474518	25.00	ug/L	-0.01
48) Chlorobenzene-d5	15.95	117	1259222	25.00	ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.41	152	675184	25.00	ug/L	-0.02
System Monitoring Compounds						
29) Dibromofluoromethane	9.98	113	544504	21.84	ug/L	0.00
Spiked Amount 25.000			Recovery	=	87.36%	
46) Toluene-d8	13.99	98	1540797	24.21	ug/L	-0.01
Spiked Amount 25.000			Recovery	=	96.84%	
60) 4-Bromofluorobenzene	17.62	95	687755	27.20	ug/L	-0.03
Spiked Amount 25.000			Recovery	=	108.80%	

Target Compounds						Qvalue
2) Ethanol	5.98	45	852	5.23	ug/L	68
3) tert-Butanol (TBA)	7.45	59	1591	1.13	ug/L	98
8) Bromomethane	5.69	94	870	0.93	ug/L	86
11) Acetone	6.88	43	4705	0.85	ug/L	92
12) Iodomethane	7.48	142	286	1.03	ug/L #	49
21) n-Hexane	9.32	86	571	0.10	ug/L	79
32) (TAME) tert-Amyl methy eth	11.60	73	19258	0.41	ug/L #	31
35) Carbon tetrachloride	11.31	117	58	0.49	ug/L #	1
45) 1,1,2-Trichloroethane	14.01	97	17155	1.21	ug/L #	1
49) 1,3-Dichloropropane	13.99	76	18805	0.73	ug/L #	64

3/15/11

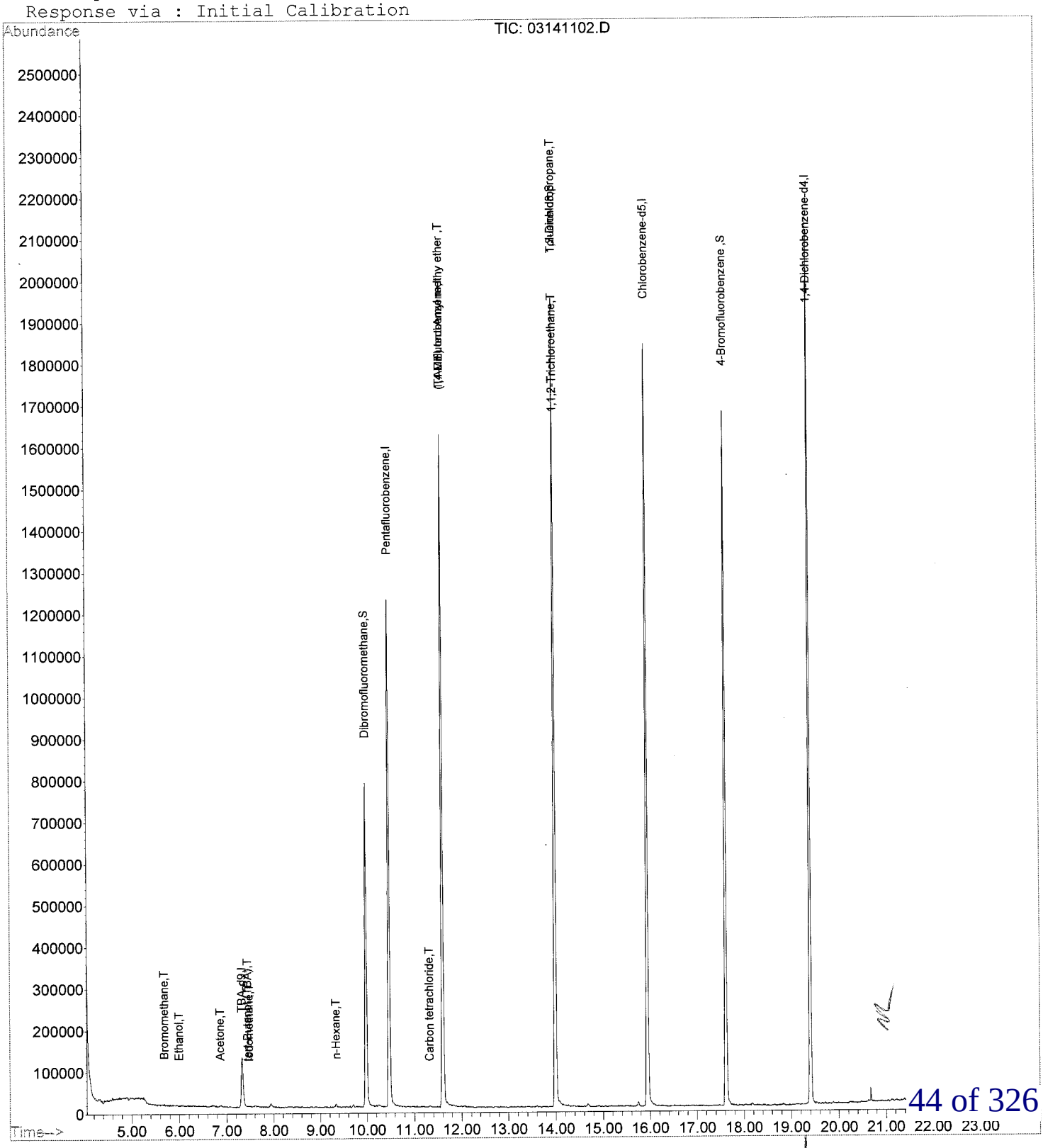
(#) = qualifier out of range (m) = manual integration
03141102.D 030211.M Mon Mar 14 15:54:51 2011

3/16/11

Quantitation Report

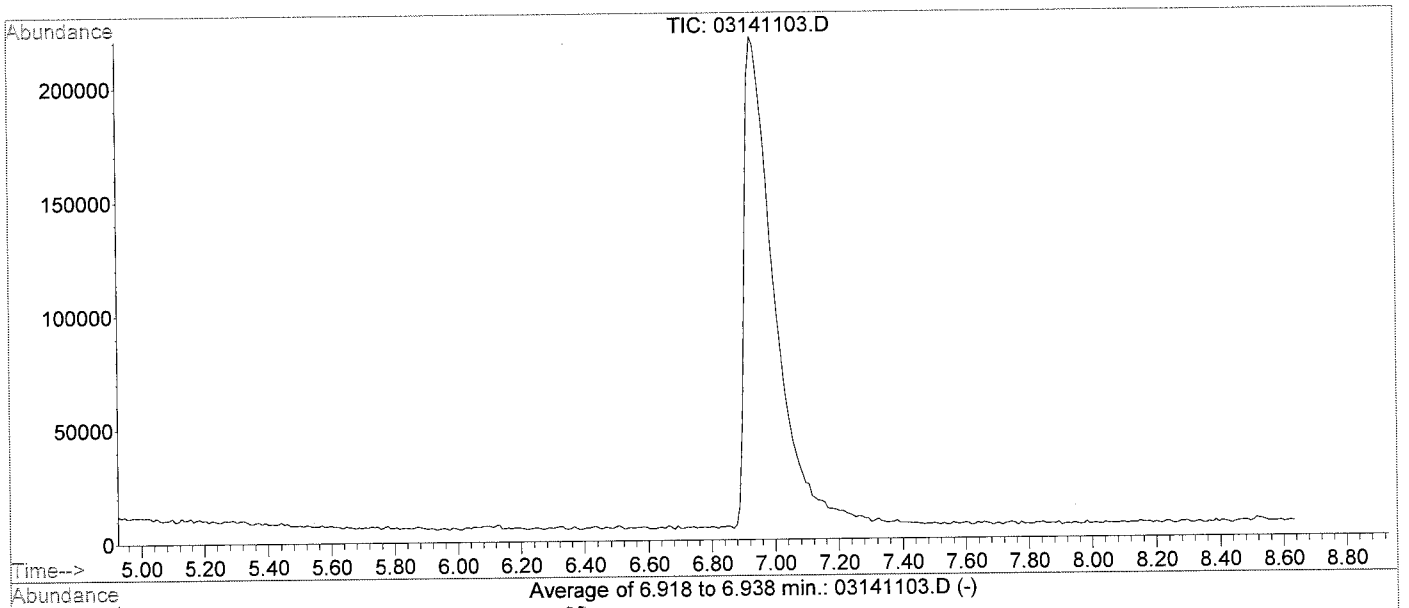
Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141102.D Vial: 2
Acq On : 14 Mar 2011 6:56 am Operator: NL
Sample : BLK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:54 2011 Quant Results File: 030211.RES

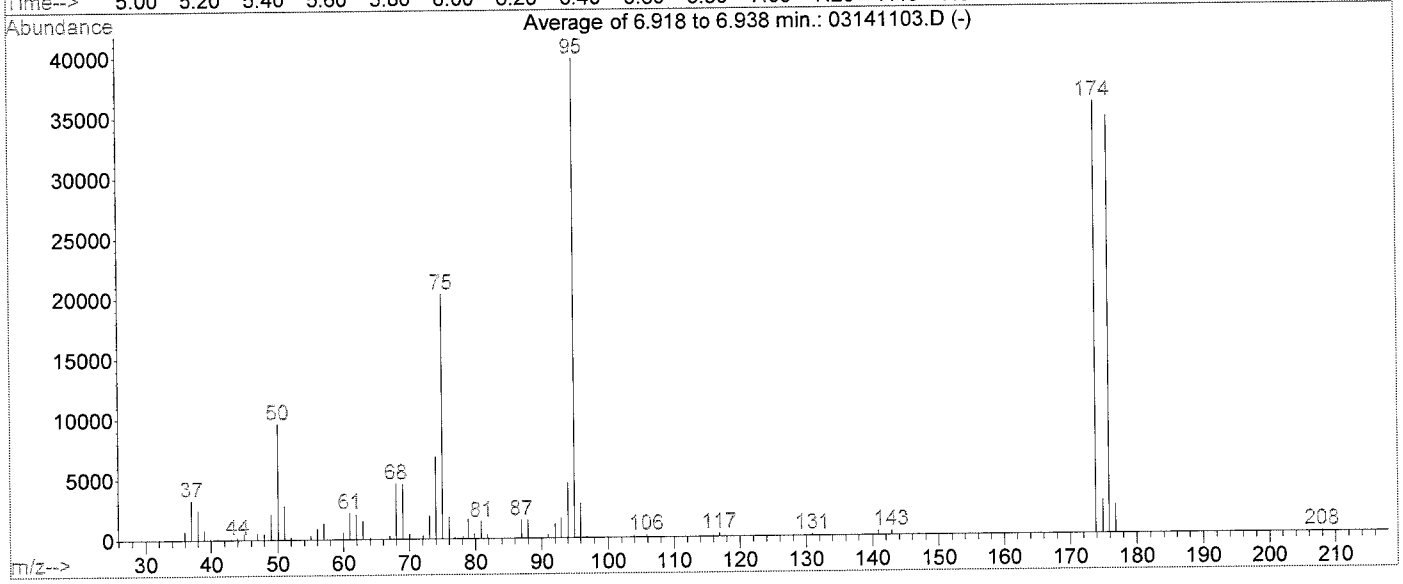
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Method 8260

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141103.D Vial: 1
Acq On : 14 Mar 2011 7:43 am Operator: NL
Sample : TUNE Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260





Spectrum Information: Average of 6.918 to 6.938 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.1	9607	PASS
75	95	30	60	51.0	20296	PASS
95	95	100	100	100.0	39789	PASS
96	95	5	9	7.1	2827	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	90.1	35832	PASS
175	174	5	9	7.7	2749	PASS
176	174	95	101	96.6	34608	PASS
177	176	5	9	6.8	2365	PASS

03141103.D 030211.M Mon Mar 14 15:55:03 2011

4/16/11

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141104.D Vial: 1
Acq On : 14 Mar 2011 8:12 am Operator: NL
Sample : 25 PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.32	65	175968	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	1050990	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1509339	25.00 ug/L	-0.01
48) Chlorobenzene-d5	15.94	117	1297854	25.00 ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	657155	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	563232	22.27 ug/L	0.00
Spiked Amount 25.000			Recovery =	89.08%	
46) Toluene-d8	13.99	98	1585936	24.34 ug/L	-0.01
Spiked Amount 25.000			Recovery =	97.36%	
60) 4-Bromofluorobenzene	17.62	95	655429	25.15 ug/L	-0.03
Spiked Amount 25.000			Recovery =	100.60%	
Target Compounds					Qvalue
2) Ethanol	5.92	45	14646	97.20 ug/L	95
3) tert-Butanol (TBA)	7.42	59	108802	83.89 ug/L	97
5) Dichlorodifluoromethane	4.50	85	835847	20.44 ug/L	100
6) Chloromethane	4.81	50	379606	10.38 ug/L	100
7) Vinyl chloride	5.10	62	521193	20.92 ug/L	100
8) Bromomethane	5.69	94	308900	10.99 ug/L	98
9) Chloroethane	5.90	64	450003	19.27 ug/L	99
10) Trichlorofluoromethane	6.70	101	1045798	23.29 ug/L	100
11) Acetone	6.85	43	97430	17.41 ug/L	97
12) Iodomethane	7.47	142	430938	14.56 ug/L	98
13) 1,1-Dichloroethene	7.42	96	554612	22.10 ug/L	99
14) Methylene chloride	7.61	84	622922	20.47 ug/L	99
15) Freon 113	7.68	101	714791	23.87 ug/L	98
16) Carbon disulfide	7.94	76	1412236	19.59 ug/L	97
17) trans-1,2-Dichloroethene	8.50	96	607218	22.00 ug/L	99
18) MTBE	8.63	73	1149644	24.60 ug/L	99
19) 1,1-Dichloroethane	8.82	63	1140274	21.36 ug/L	99
20) Vinyl acetate	8.96	43	597845	25.87 ug/L	99
21) n-Hexane	9.33	86	126591	21.97 ug/L	90
22) 2-Butanone (MEK)	9.35	72	31778	21.97 ug/L #	92
23) Diisopropylether (DIPE)	9.36	45	2164940	22.77 ug/L	99
24) cis-1,2-dichloroethene	9.55	96	660479	22.17 ug/L	99
25) Bromochloromethane	9.77	128	234449	20.59 ug/L	89
26) Chloroform	9.82	83	1166635	22.56 ug/L	99
27) 2,2-Dichloropropane	9.93	77	984987	24.66 ug/L #	70
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	1682191	25.23 ug/L	97
30) 1,2-Dichloroethane	10.66	62	753973	24.48 ug/L	97
31) 1,1,1-Trichloroethane	10.80	97	1025563	24.73 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	1171935	24.73 ug/L	97
34) 1,1-Dichloropropene	11.03	75	842265	25.86 ug/L	99
35) Carbon tetrachloride	11.27	117	872473	32.52 ug/L	99
36) Benzene	11.32	78	2147601	24.32 ug/L	97
37) Dibromomethane	12.05	93	307003	24.56 ug/L	94
38) 1,2-Dichloropropane	12.09	63	534319	23.14 ug/L	94
39) Trichloroethene	12.14	95	630971	25.14 ug/L	99
40) Bromodichloromethane	12.21	83	786238	26.37 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141104.D 030211.M Mon Mar 14 15:55:11 2011

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141104.D Vial: 1
Acq On : 14 Mar 2011 8:12 am Operator: NL
Sample : 25 PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

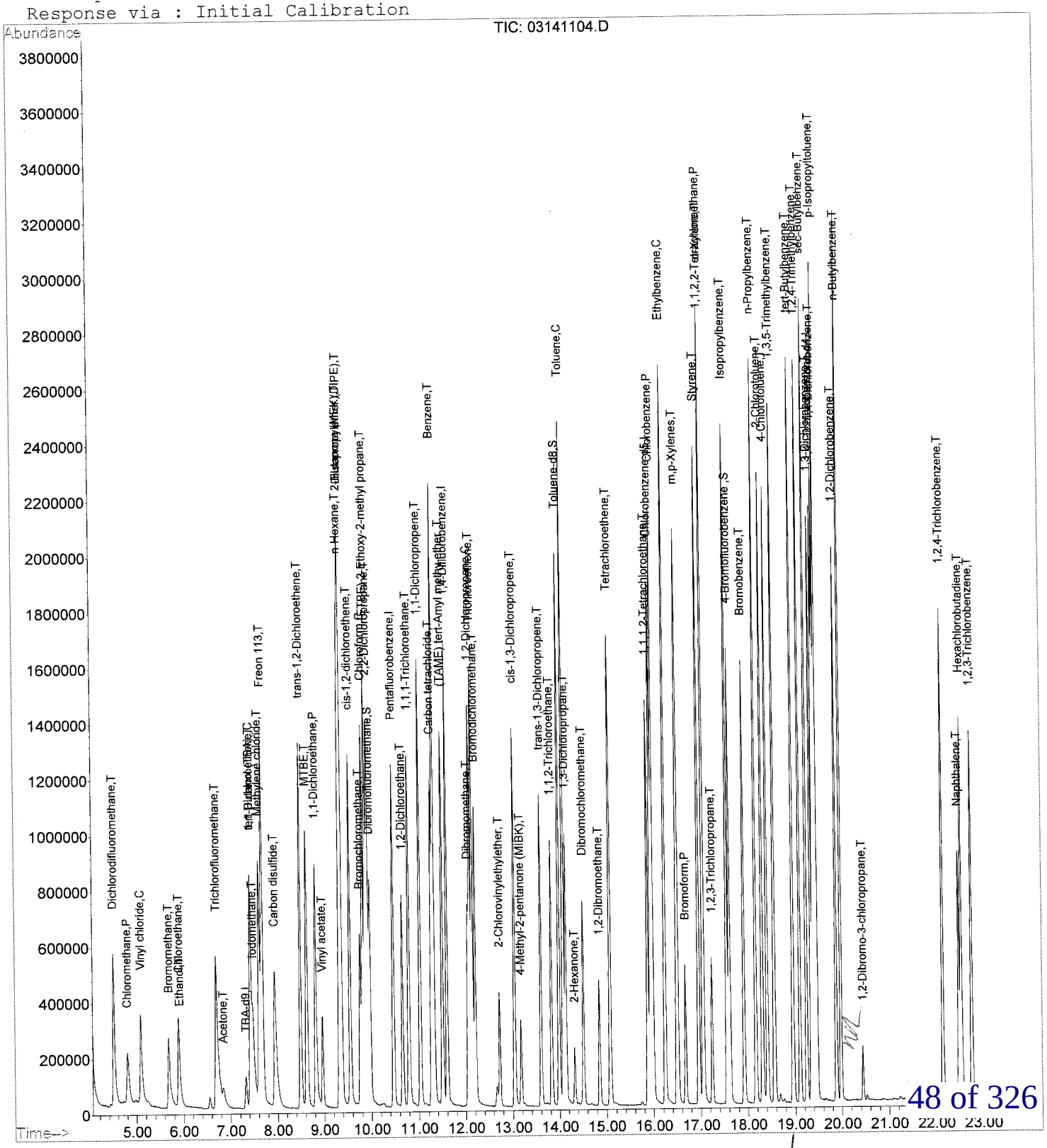
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.72	63	182011	26.63 ug/L	97
42) cis-1,3-Dichloropropene	13.04	75	837977	26.22 ug/L	95
43) 4-Methyl-2-pentanone (MIBK	13.17	43	281257	24.18 ug/L	100
44) trans-1,3-Dichloropropene	13.60	75	685856	27.12 ug/L	96
45) 1,1,2-Trichloroethane	13.82	97	364216	25.00 ug/L	97
47) Toluene	14.08	92	1241947	24.41 ug/L	99
49) 1,3-Dichloropropane	14.14	76	589257	22.24 ug/L	99
50) 2-Hexanone	14.33	43	178880	21.98 ug/L	98
51) Dibromochloromethane	14.51	129	472554	27.07 ug/L	100
52) 1,2-Dibromoethane	14.85	107	367557	24.53 ug/L	100
53) Tetrachloroethene	15.08	164	522428	25.63 ug/L	100
54) 1,1,1,2-Tetrachloroethane	15.88	131	506769	25.48 ug/L	97
55) Chlorobenzene	15.99	112	1375199	23.79 ug/L	99
56) Ethylbenzene	16.24	91	2396712	24.50 ug/L	100
57) m,p-Xylenes	16.50	106	863328	24.21 ug/L	99
58) Styrene	16.96	104	1365335	25.73 ug/L	99
59) o-Xylene	17.06	106	812743	23.51 ug/L	100
62) Bromoform	16.68	173	293758	27.88 ug/L	99
63) 1,1,2,2-Tetrachloroethane	17.04	83	321517	22.03 ug/L	98
64) 1,2,3-Trichloropropane	17.25	110	97178	24.87 ug/L	95
65) Isopropylbenzene	17.56	105	2078279	25.03 ug/L	99
66) Bromobenzene	17.92	156	566220	23.95 ug/L	97
67) n-Propylbenzene	18.17	91	2671074	24.06 ug/L	99
68) 2-Chlorotoluene	18.31	91	1648642	23.62 ug/L	99
69) 4-Chlorotoluene	18.42	91	1693734	24.36 ug/L	100
70) 1,3,5-Trimethylbenzene	18.56	105	1808622	24.33 ug/L	98
71) tert-Butylbenzene	18.96	119	1516358	25.47 ug/L	99
72) 1,2,4-Trimethylbenzene	19.10	105	1826382	24.66 ug/L	98
73) sec-Butylbenzene	19.25	105	2364886	24.43 ug/L	100
74) 1,3-Dichlorobenzene	19.35	146	989700	22.89 ug/L	99
75) 1,4-Dichlorobenzene	19.44	146	1001164	23.55 ug/L	99
76) p-Isopropyltoluene	19.47	119	1917411	25.22 ug/L	98
77) 1,2-Dichlorobenzene	19.88	146	886415	23.52 ug/L	99
78) n-Butylbenzene	19.98	91	1946681	24.75 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.44	75	51359	20.91 ug/L	99
80) 1,2,4-Trichlorobenzene	22.15	180	748650	27.34 ug/L	100
81) Naphthalene	22.49	128	884237	24.87 ug/L	99
82) Hexachlorobutadiene	22.55	225	393323	27.52 ug/L	99
83) 1,2,3-Trichlorobenzene	22.76	180	591400	26.37 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141104.D 030211.M Mon Mar 14 15:55:11 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141104.D Vial: 1
Acq On : 14 Mar 2011 8:12 am Operator: NL
Sample : 25 PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141105.D Vial: 2
Acq On : 14 Mar 2011 8:55 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Clean out

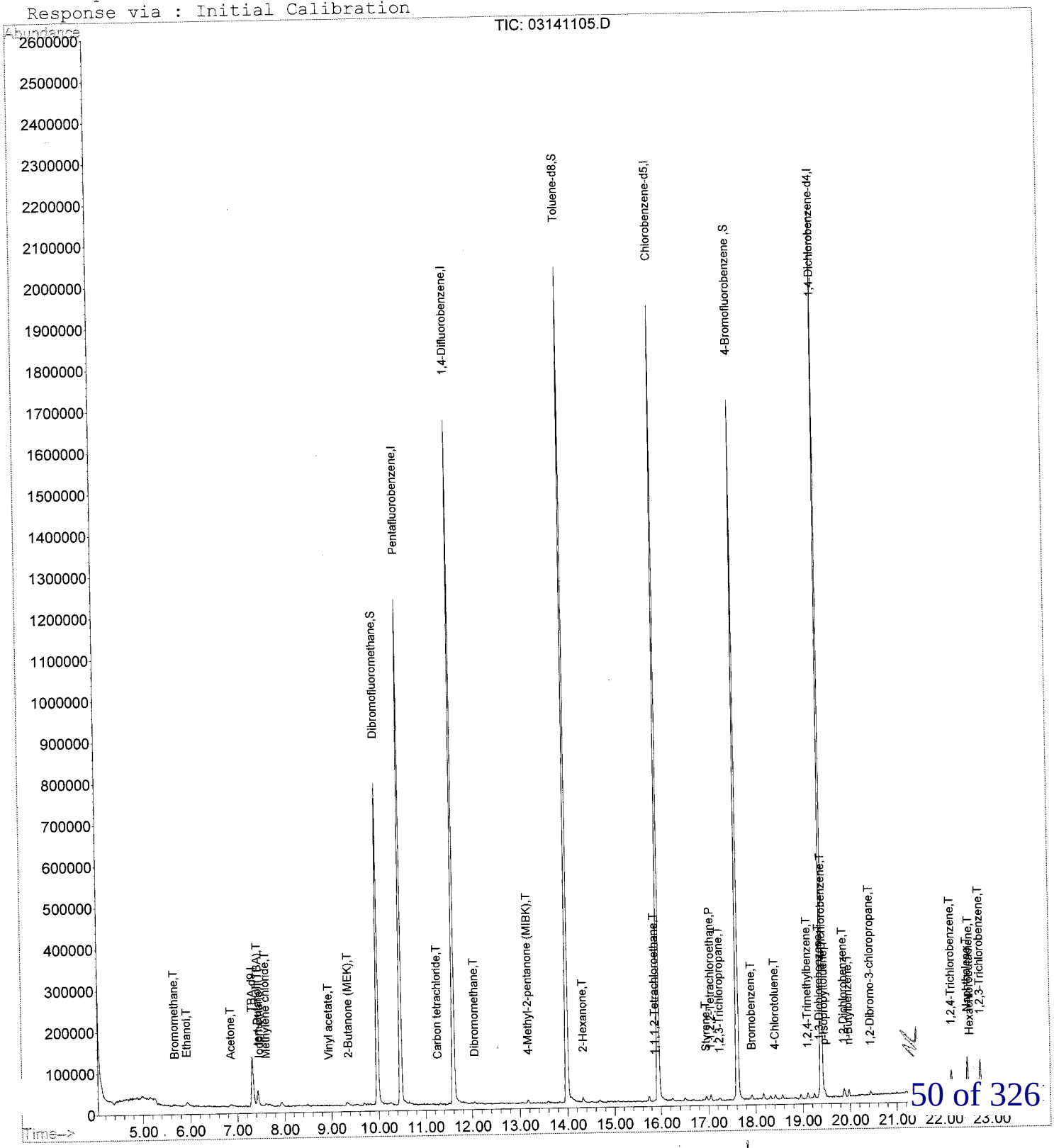
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) TBA-d9	7.33	65	191056	200.00	ug/L		0.00
4) Pentafluorobenzene	10.47	168	1030685	25.00	ug/L		0.00
33) 1,4-Difluorobenzene	11.60	114	1483040	25.00	ug/L		-0.02
48) Chlorobenzene-d5	15.94	117	1307162	25.00	ug/L		-0.02
61) 1,4-Dichlorobenzene-d4	19.40	152	700497	25.00	ug/L		-0.02
System Monitoring Compounds							
29) Dibromofluoromethane	9.98	113	560951	22.62	ug/L		0.00
Spiked Amount 25.000			Recovery	=	90.48%		
46) Toluene-d8	13.98	98	1592172	24.87	ug/L		-0.02
Spiked Amount 25.000			Recovery	=	99.48%		
60) 4-Bromofluorobenzene	17.61	95	705837	26.89	ug/L		-0.03
Spiked Amount 25.000			Recovery	=	107.56%		
Target Compounds							Qvalue
2) Ethanol	5.93	45	21049	128.67	ug/L		84
3) tert-Butanol (TBA)	7.44	59	54167	38.47	ug/L	#	94
8) Bromomethane	5.68	94	2158	0.97	ug/L		83
11) Acetone	6.85	43	13765	2.51	ug/L		98
12) Iodomethane	7.48	142	1328	1.06	ug/L	#	45
14) Methylene chloride	7.61	84	2798	0.09	ug/L		88
20) Vinyl acetate	8.96	43	2383	0.11	ug/L	#	80
22) 2-Butanone (MEK)	9.37	72	1315	0.93	ug/L	#	1
35) Carbon tetrachloride	11.27	117	262	0.50	ug/L	#	12
37) Dibromomethane	12.04	93	1834	0.15	ug/L	#	70
43) 4-Methyl-2-pentanone (MIBK	13.17	43	9162	0.80	ug/L	#	85
50) 2-Hexanone	14.32	43	9320	1.14	ug/L	#	94
54) 1,1,1,2-Tetrachloroethane	15.87	131	1957	0.10	ug/L	#	21
58) Styrene	16.96	104	5333	0.10	ug/L	#	85
63) 1,1,2,2-Tetrachloroethane	17.05	83	3783	0.24	ug/L	#	76
64) 1,2,3-Trichloropropane	17.25	110	1157	0.28	ug/L		95
66) Bromobenzene	17.93	156	3371	0.13	ug/L		89
69) 4-Chlorotoluene	18.41	91	8296	0.11	ug/L		95
72) 1,2,4-Trimethylbenzene	19.10	105	8312	0.11	ug/L		100
74) 1,3-Dichlorobenzene	19.35	146	8552	0.19	ug/L		97
75) 1,4-Dichlorobenzene	19.44	146	8584	0.19	ug/L	#	65
76) p-Isopropyltoluene	19.47	119	7770	0.10	ug/L	#	86
77) 1,2-Dichlorobenzene	19.87	146	7704	0.19	ug/L		95
78) n-Butylbenzene	19.98	91	11008	0.13	ug/L		93
79) 1,2-Dibromo-3-chloropropan	20.43	75	2560	0.98	ug/L	#	76
80) 1,2,4-Trichlorobenzene	22.15	180	20054	0.69	ug/L		97
81) Naphthalene	22.49	128	71714	1.89	ug/L		97
82) Hexachlorobutadiene	22.55	225	6015	0.39	ug/L	#	83
83) 1,2,3-Trichlorobenzene	22.76	180	31593	1.32	ug/L		97

(#) = qualifier out of range (m) = manual integration
03141105.D 030211.M Mon Mar 14 15:55:19 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141105.D Vial: 2
Acq On : 14 Mar 2011 8:55 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



03141105.D 030211.M Mon Mar 14 15:55:20 2011

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141106.D Vial: 3
Acq On : 14 Mar 2011 9:28 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Clean out

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.32	65	174019	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	979911	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1374149	25.00 ug/L	-0.02
48) Chlorobenzene-d5	15.94	117	1194878	25.00 ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	670402	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	522154	22.14 ug/L	0.00
Spiked Amount 25.000			Recovery =	88.56%	
46) Toluene-d8	13.98	98	1462696	24.66 ug/L	-0.02
Spiked Amount 25.000			Recovery =	98.64%	
60) 4-Bromofluorobenzene	17.61	95	679278	28.31 ug/L	-0.03
Spiked Amount 25.000			Recovery =	113.24%	
Target Compounds					Qvalue
2) Ethanol	5.94	45	7086	47.56 ug/L	76
3) tert-Butanol (TBA)	7.45	59	5843	4.56 ug/L #	67
8) Bromomethane	5.55	94	735	0.93 ug/L #	3
11) Acetone	6.88	43	3473	0.67 ug/L #	75
12) Iodomethane	7.49	142	1269	1.06 ug/L #	53
16) Carbon disulfide	7.93	76	12598	Below Cal #	76
35) Carbon tetrachloride	11.16	117	57	0.49 ug/L #	12
43) 4-Methyl-2-pentanone (MIBK	13.17	43	1345	0.13 ug/L #	49
45) 1,1,2-Trichloroethane	14.01	97	9917	0.75 ug/L #	18
49) 1,3-Dichloropropane	13.98	76	18644	0.76 ug/L #	75
50) 2-Hexanone	14.34	43	1053	0.14 ug/L #	79
79) 1,2-Dibromo-3-chloropropan	20.45	75	505	0.20 ug/L #	16
81) Naphthalene	22.49	128	8265	0.23 ug/L	97

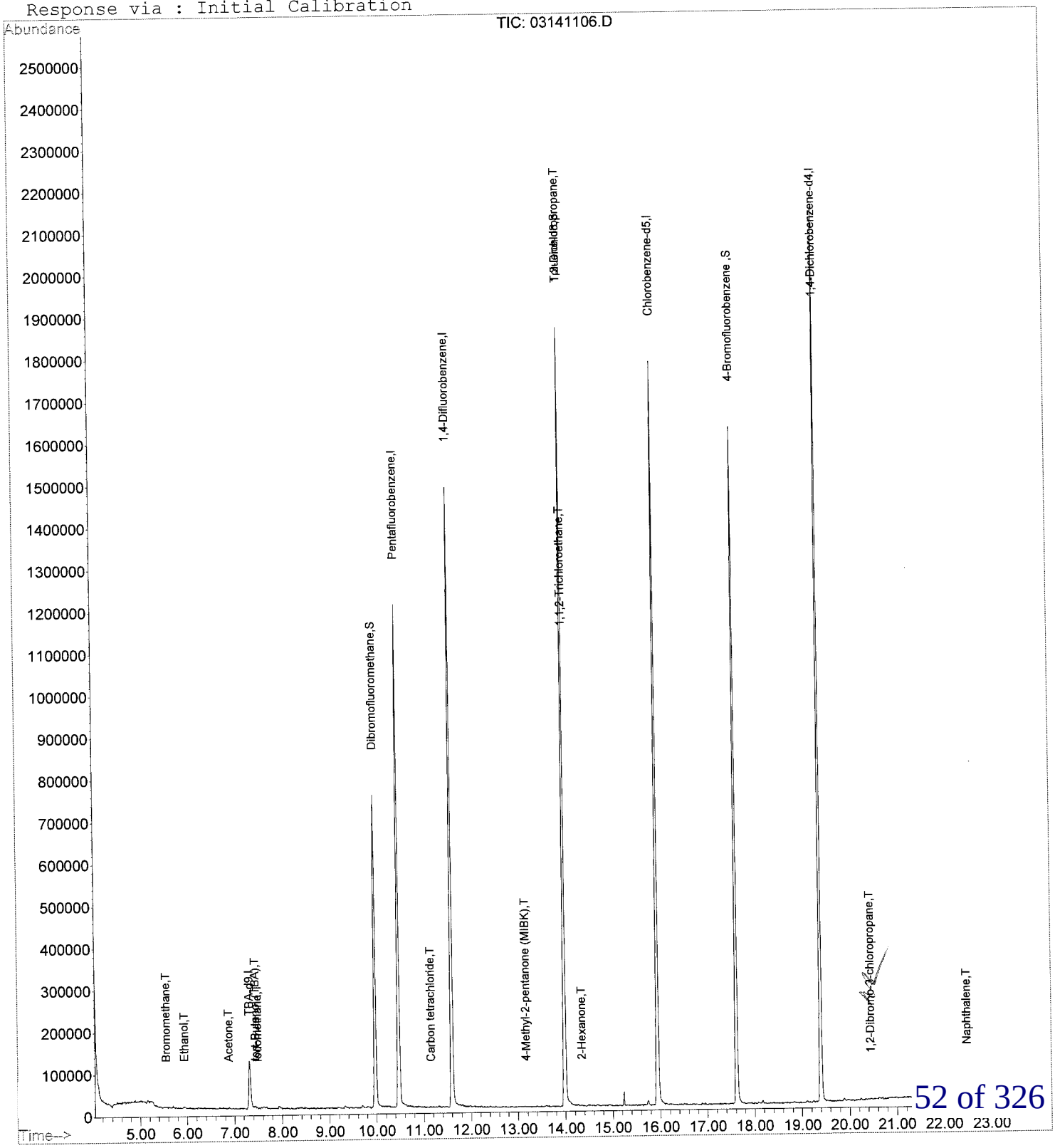
MK 3/15/11

(#) = qualifier out of range (m) = manual integration
03141106.D 030211.M Mon Mar 14 15:55:26 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141106.D Vial: 3
Acq On : 14 Mar 2011 9:28 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



03141106.D 030211.M Mon Mar 14 15:55:27 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141107.D Vial: 4
Acq On : 14 Mar 2011 10:01 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 16:02 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

MB Re-calc.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.33	65	179955	200.00 ug/L	0.02
4) Pentafluorobenzene	10.49	168	918919	25.00 ug/L	0.02
33) 1,4-Difluorobenzene	11.61	114	1336921	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.96	117	1162538	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.42	152	629094	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	498692	23.67 ug/L	0.02
Spiked Amount 25.000			Recovery =	94.68%	
46) Toluene-d8	14.00	98	1410007	23.91 ug/L	0.00
Spiked Amount 25.000			Recovery =	95.64%	
60) 4-Bromofluorobenzene	17.63	95	645623	25.18 ug/L	0.00
Spiked Amount 25.000			Recovery =	100.72%	

Target Compounds					Qvalue
2) Ethanol	5.93	45	2010	28.02 ug/L	76 NSM
3) tert-Butanol (TBA)	7.45	59	992	Below Cal #	78 ND
8) Bromomethane	5.70	94	683	0.87 ug/L #	64 NSM
11) Acetone	6.87	43	2811	0.62 ug/L	95 ND
12) Iodomethane	7.53	142	515	1.81 ug/L #	94 NSM
16) Carbon disulfide	7.94	76	10986	0.18 ug/L #	82 LRL
32) (TAME) tert-Amyl methy eth	11.61	73	19307	0.44 ug/L #	39 WRT
43) 4-Methyl-2-pentanone (MIBK	13.22	43	1016	0.10 ug/L #	58 ND
45) 1,1,2-Trichloroethane	14.02	97	17572	1.26 ug/L #	16 WRT
49) 1,3-Dichloropropane	14.00	76	17281	0.76 ug/L #	61 L
50) 2-Hexanone	14.37	43	725	0.10 ug/L #	73 ND
59) o-Xylene	17.07	106	118	Below Cal #	1 L
79) 1,2-Dibromo-3-chloropropan	20.48	75	287	0.13 ug/L #	1 ND

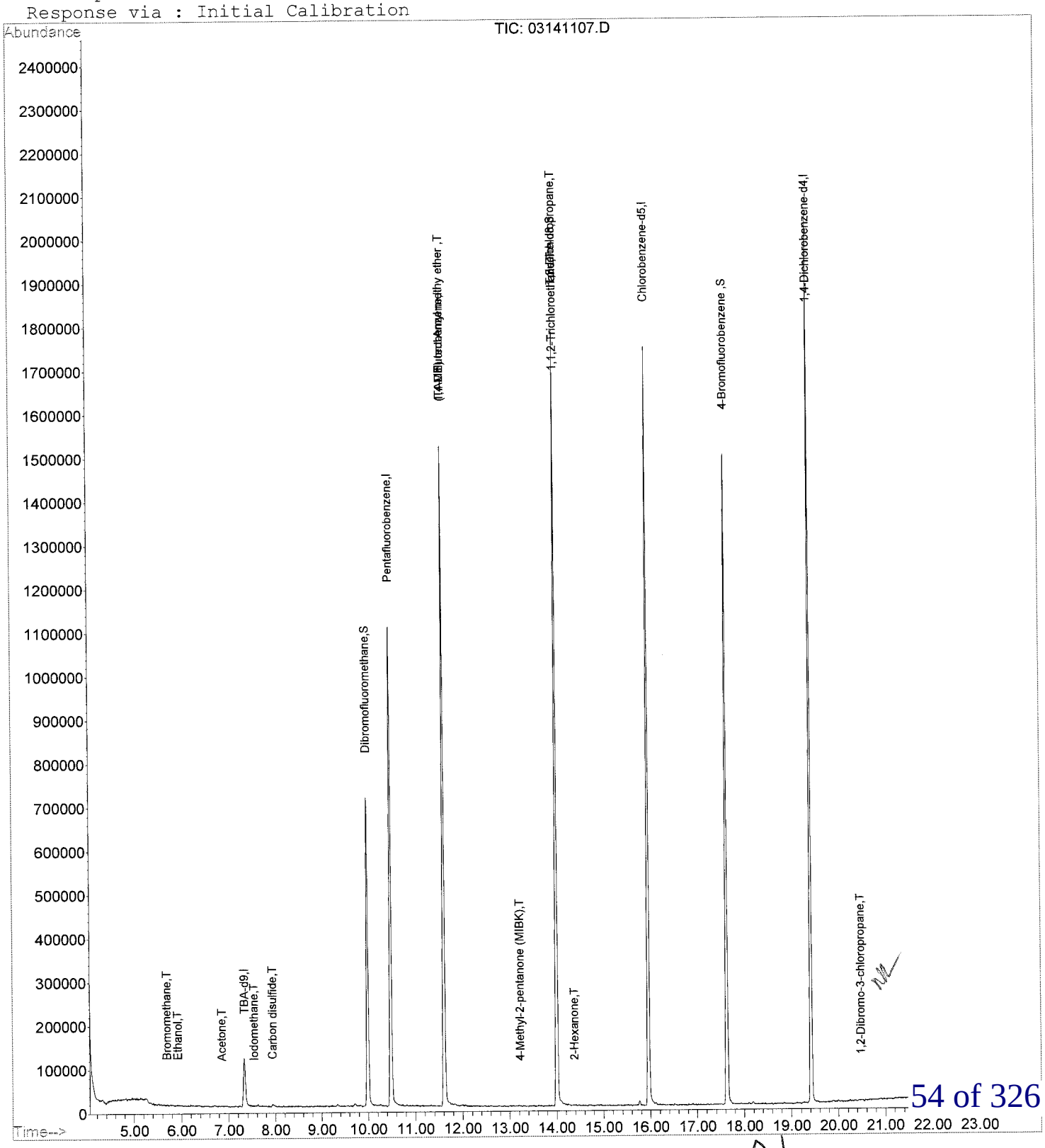
3/15/11

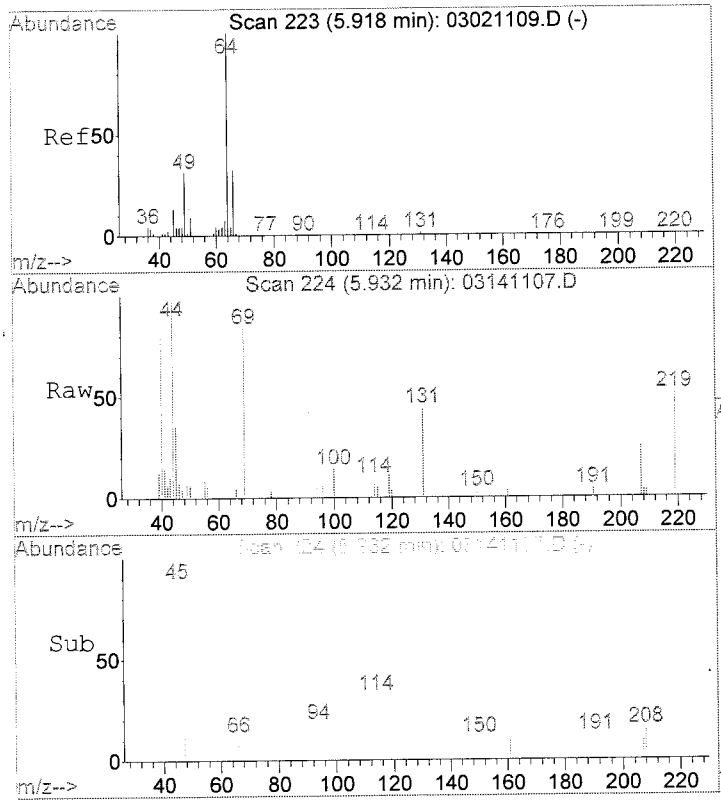
(#) = qualifier out of range (m) = manual integration
03141107.D 031411.M Tue Mar 15 16:02:16 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141107.D Vial: 4
Acq On : 14 Mar 2011 10:01 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 16:02 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration

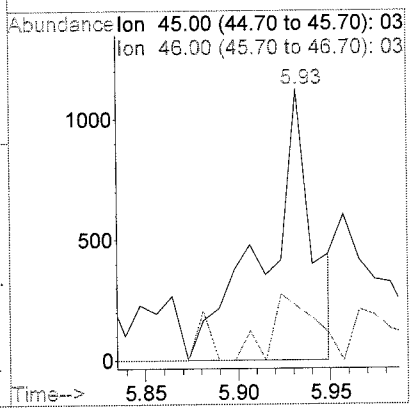


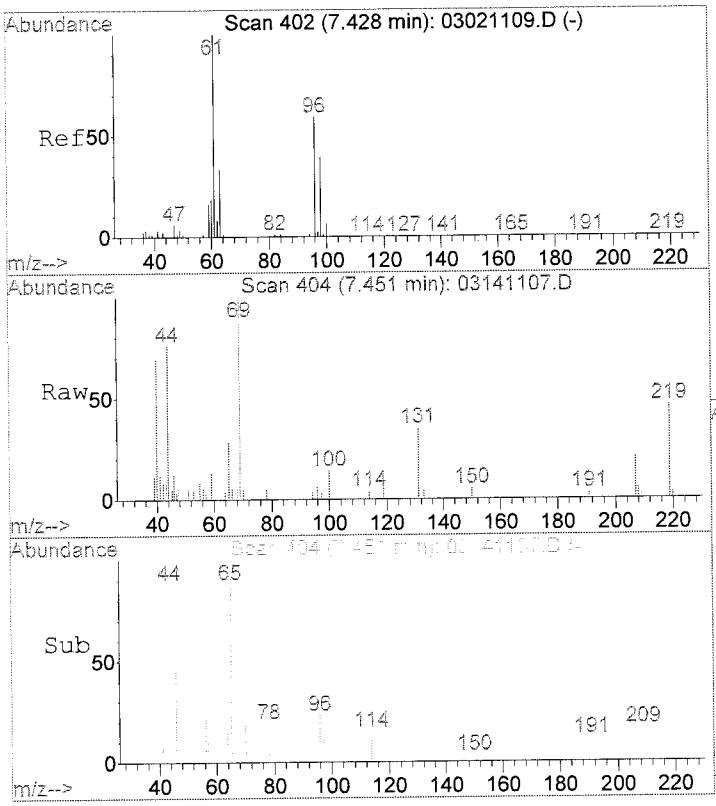


#2
Ethanol
Concen: 28.02 ug/L
RT: 5.93 min Scan# 224
Delta R.T. 0.03 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 45 Resp: 2010

Ion	Ratio	Lower	Upper
45	100		
46	22.9	17.5	57.5

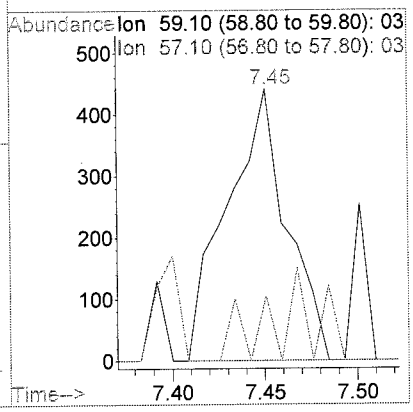


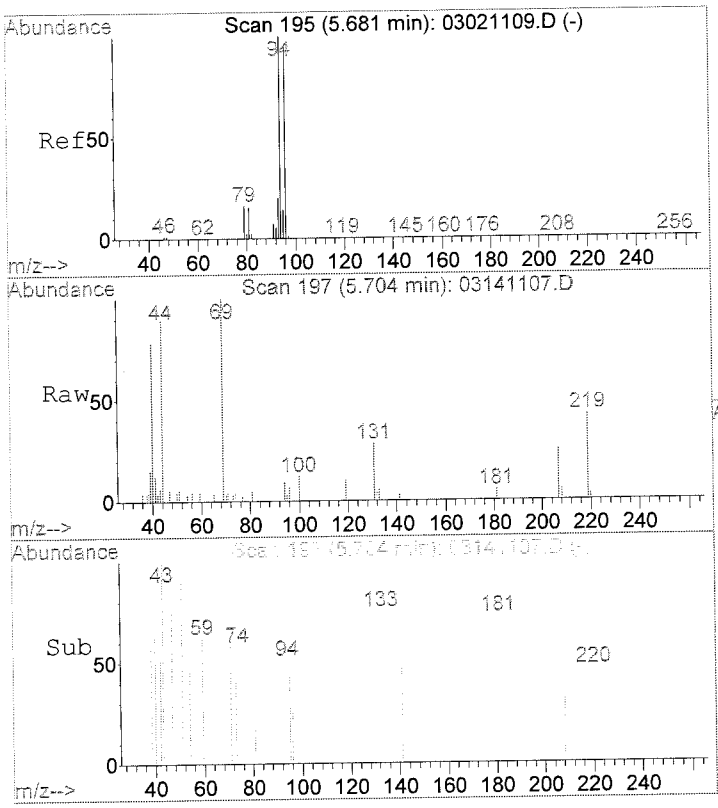


#3
tert-Butanol (TBA)
Concen: Below Cal
RT: 7.45 min Scan# 404
Delta R.T. 0.03 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 59 Resp: 992

Ion	Ratio	Lower	Upper
59	100		
57	13.9	5.0	7.6#



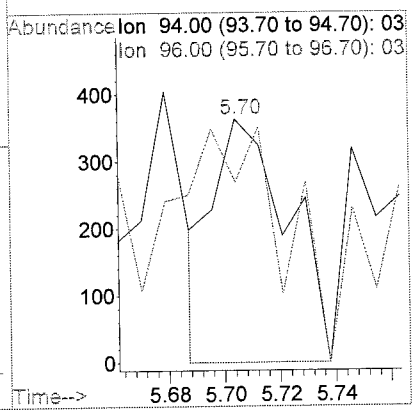


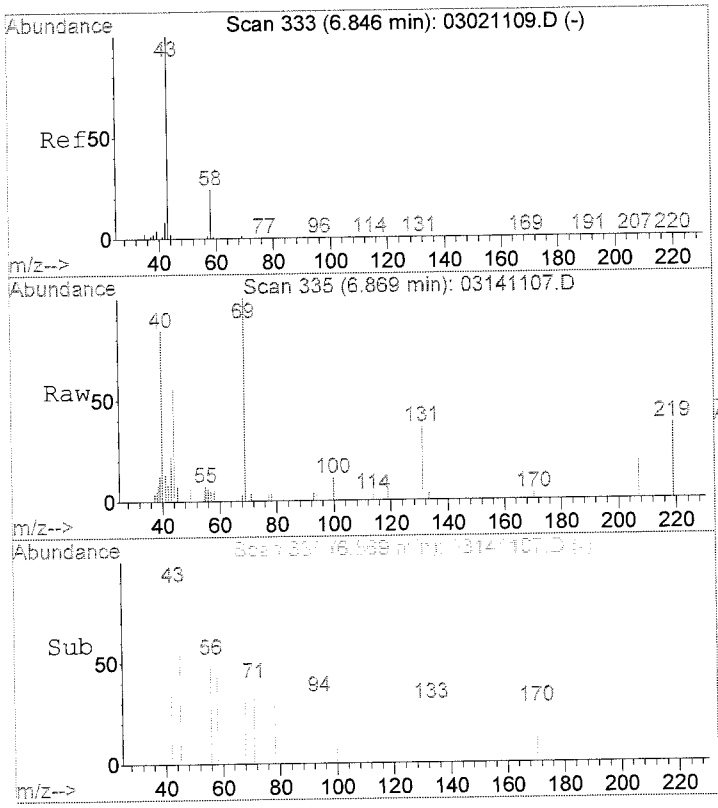
#8
Bromomethane
Concen: 0.87 ug/L
RT: 5.70 min Scan# 197
Delta R.T. 0.04 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 94 Resp: 683

Ion	Ratio	Lower	Upper
94	100		
96	135.7	79.5	119.3#

NSM



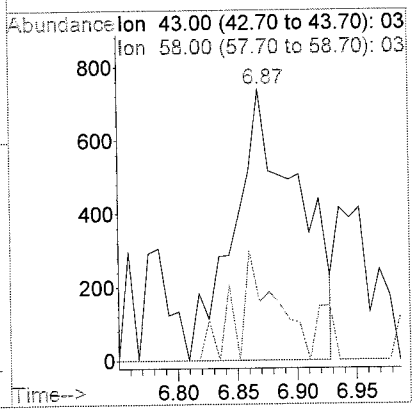


#11
Acetone
Concen: 0.62 ug/L
RT: 6.87 min Scan# 335
Delta R.T. 0.04 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

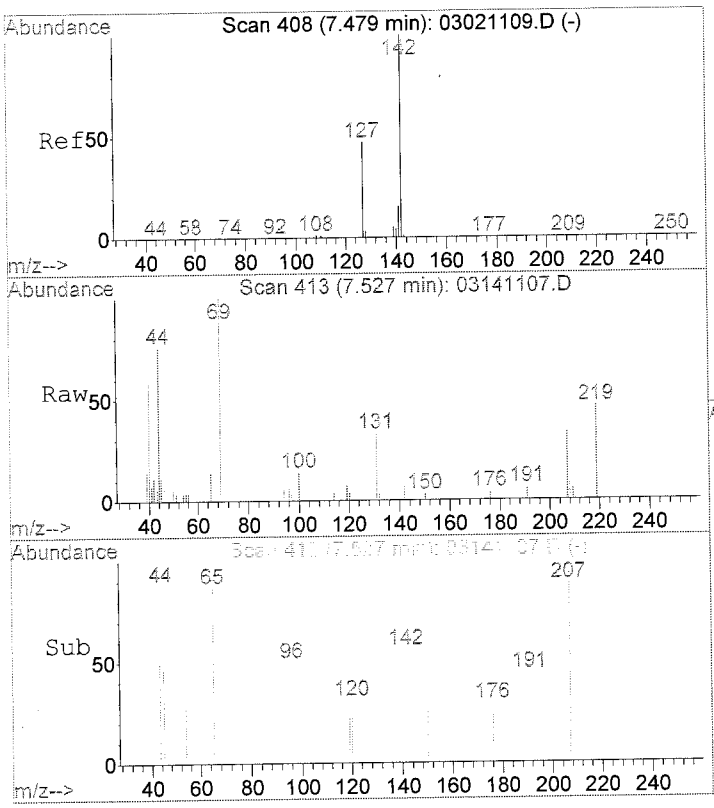
Tgt Ion: 43 Resp: 2811

Ion	Ratio	Lower	Upper
43	100		
58	23.9	17.0	25.6

NO



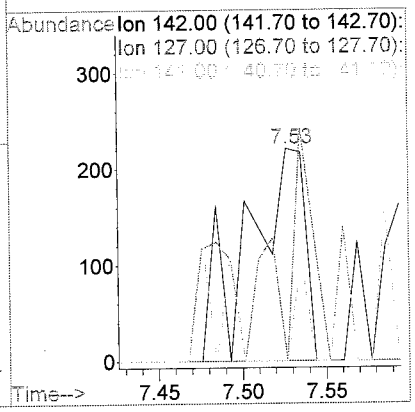
ML

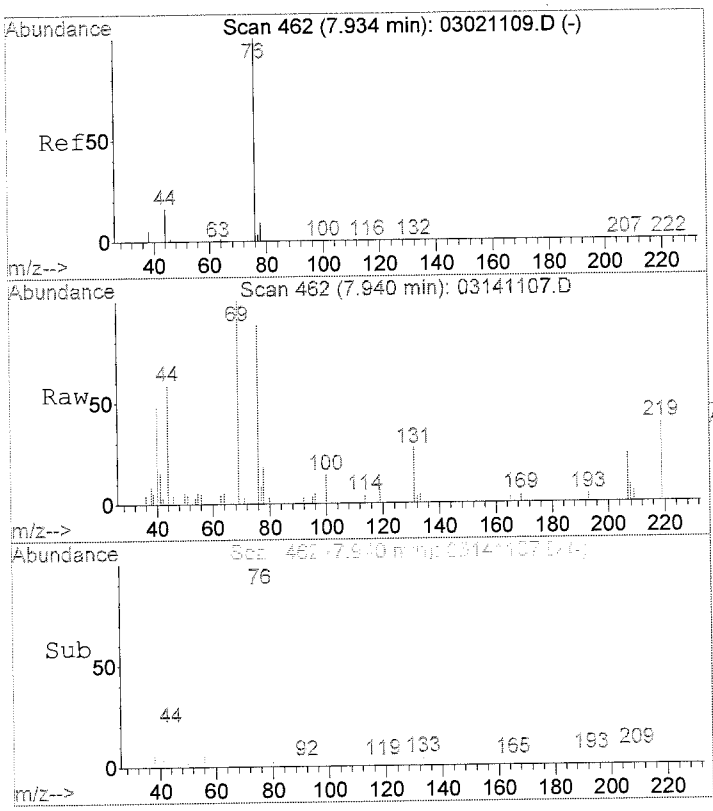


#12
Iodomethane
Concen: 1.81 ug/L
RT: 7.53 min Scan# 413
Delta R.T. 0.07 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion:142 Resp: 515

Ion	Ratio	Lower	Upper
142	100		
127	58.3	44.9	67.3
141	10.3	13.1	19.7#

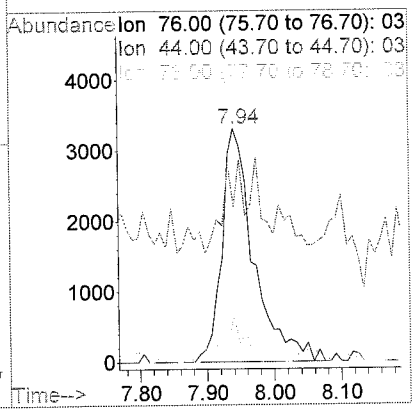


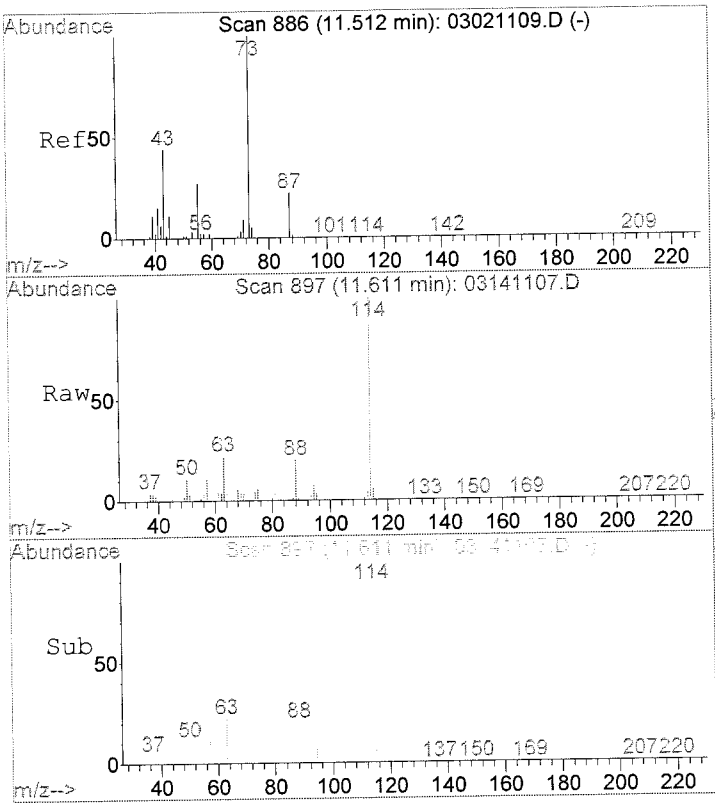


#16
Carbon disulfide
Concen: 0.18 ug/L
RT: 7.94 min Scan# 462
Delta R.T. 0.02 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 76 Resp: 10986

Ion	Ratio	Lower	Upper
76	100		
44	29.1	15.0	22.4#
78	11.8	7.2	10.8#

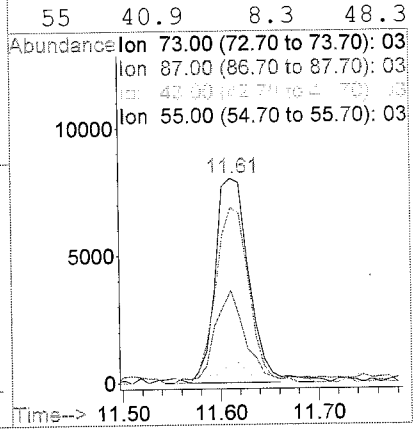




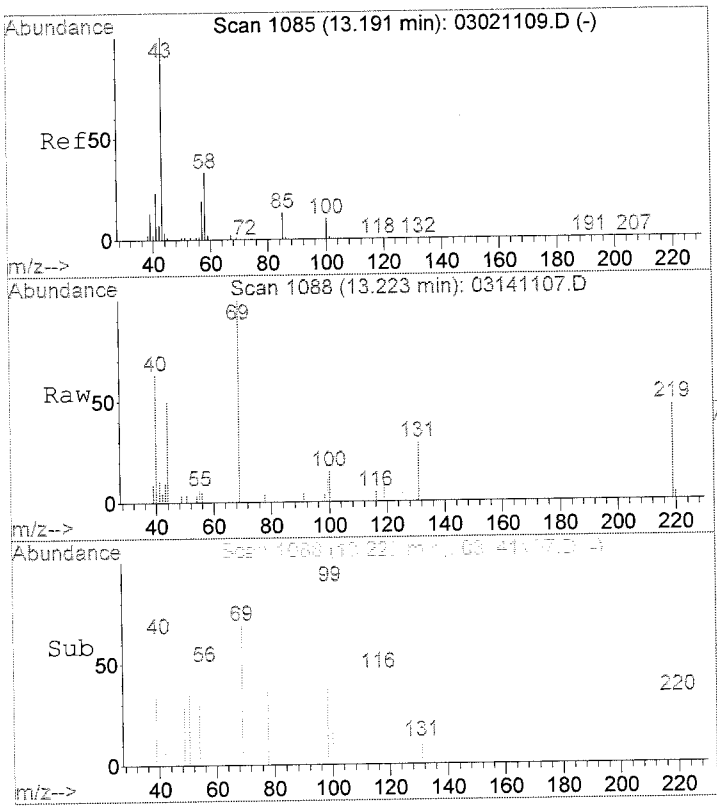
#32
(TAME) tert-Amyl methy ether
Concen: 0.44 ug/L
RT: 11.61 min Scan# 897
Delta R.T. 0.11 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 73 Resp: 19307

Ion	Ratio	Lower	Upper
73	100		
87	83.3	4.2	44.2#
43	10.9	26.6	66.6#
55	40.9	8.3	48.3



WRT

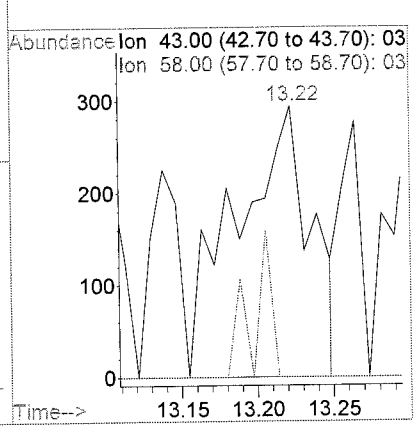


#43
4-Methyl-2-pentanone (MIBK)
Concen: 0.10 ug/L
RT: 13.22 min Scan# 1088
Delta R.T. 0.05 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

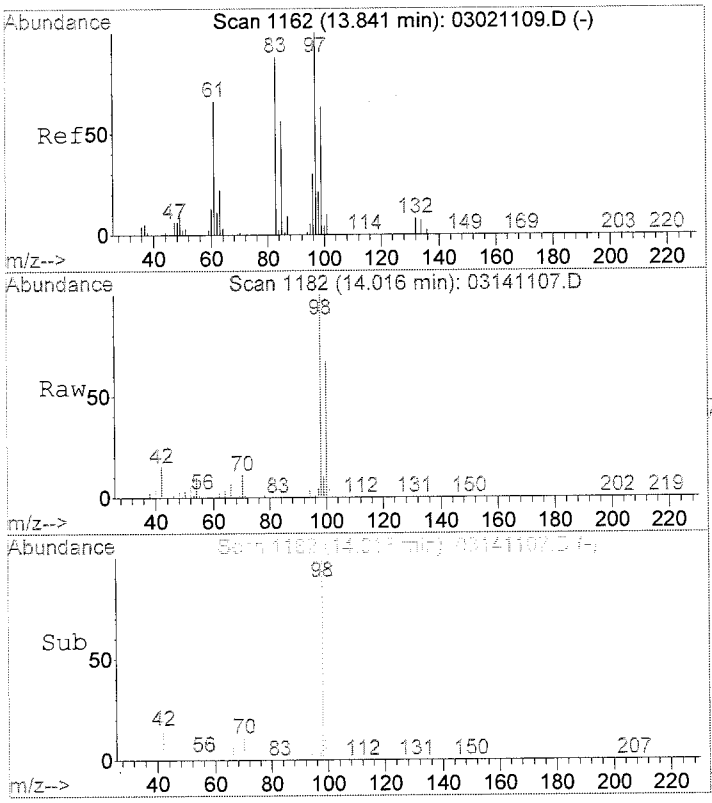
Tgt Ion: 43 Resp: 1016

Ion	Ratio	Lower	Upper
43	100		
58	7.9	24.9	37.3#

ND



NL

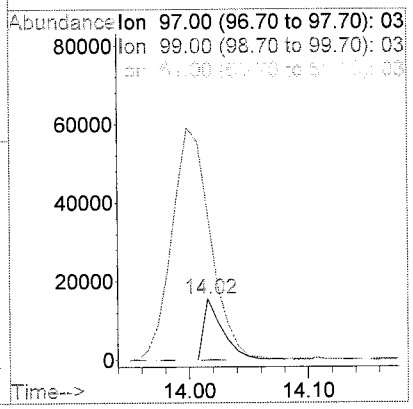


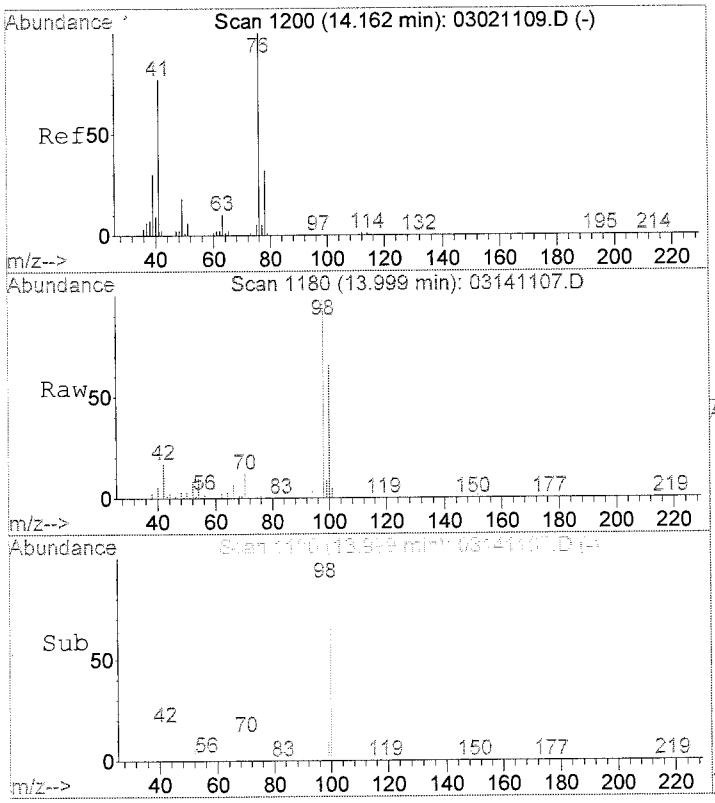
#45
1,1,2-Trichloroethane
Concen: 1.26 ug/L
RT: 14.02 min Scan# 1182
Delta R.T. 0.19 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 97 Resp: 17572

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	76.0#
61	1.1	60.0	90.0#

WRT



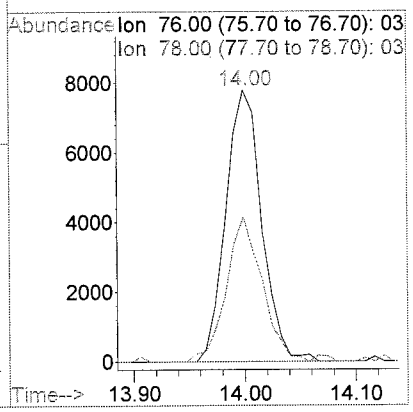


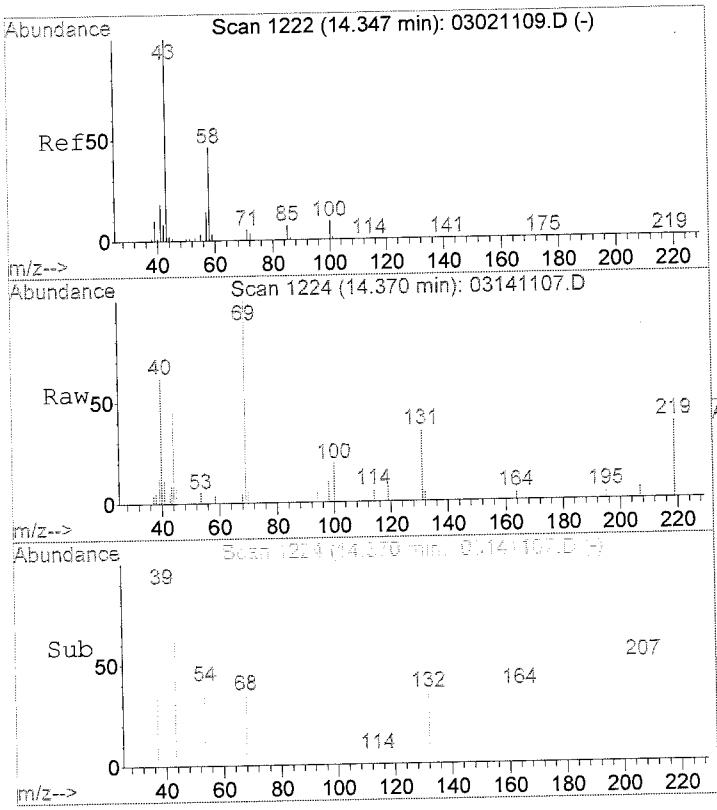
#49
1,3-Dichloropropane
Concen: 0.76 ug/L
RT: 14.00 min Scan# 1180
Delta R.T. -0.14 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 76 Resp: 17281

Ion	Ratio	Lower	Upper
76	100		
78	53.0	25.0	37.6#

WRT

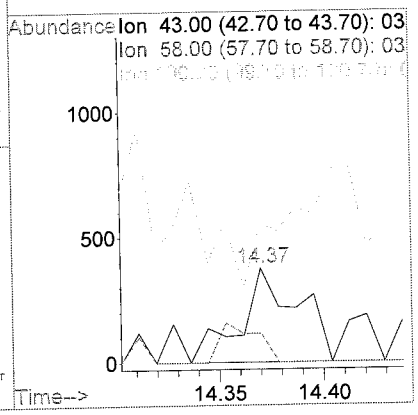




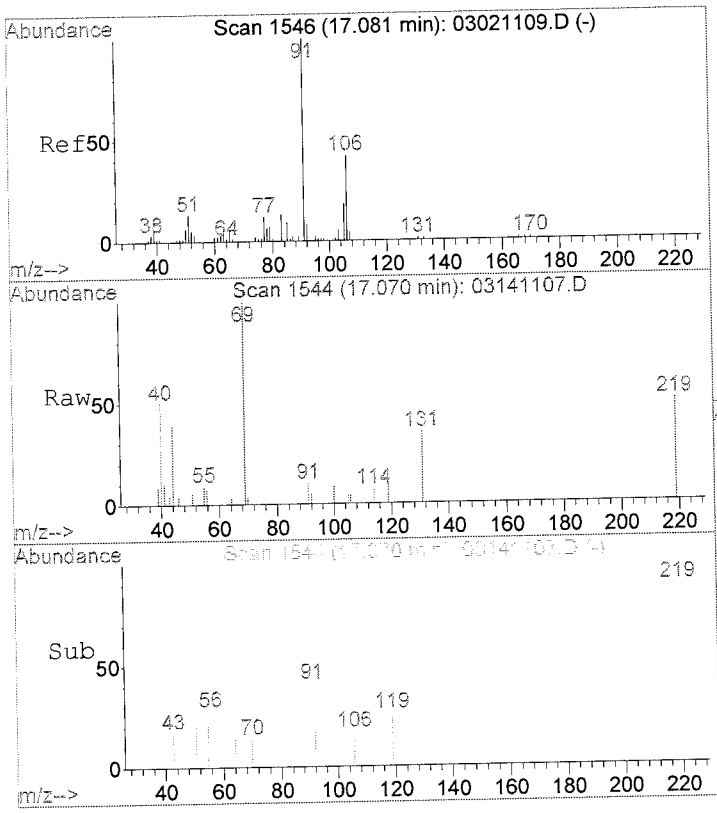
#50
2-Hexanone
Concen: 0.10 ug/L
RT: 14.37 min Scan# 1224
Delta R.T. 0.04 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 43 Resp: 725

Ion	Ratio	Lower	Upper
43	100		
58	27.2	35.7	53.5#
100	0.0	7.8	11.6#



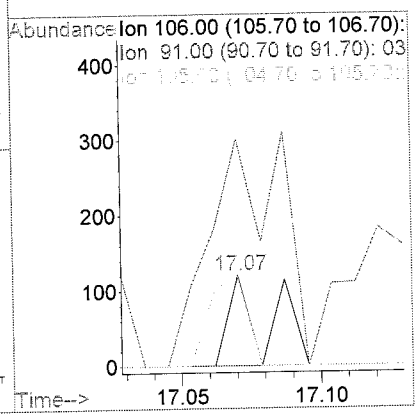
ND



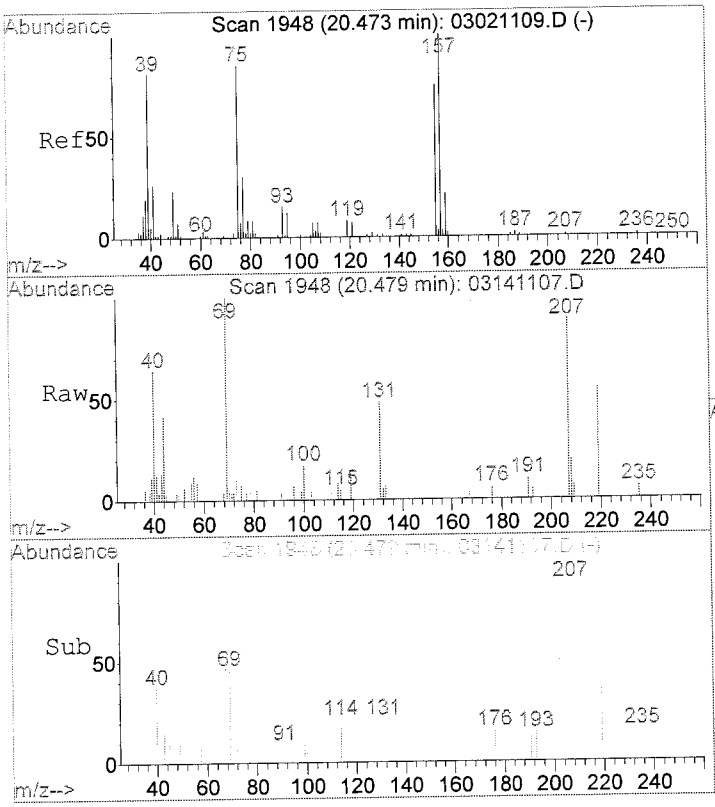
#59
o-Xylene
Concen: Below Cal
RT: 17.07 min Scan# 1544
Delta R.T. 0.01 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion:106 Resp: 118

Ion	Ratio	Lower	Upper
106	100		
91	502.5	222.7	262.7#
105	94.1	22.9	62.9#



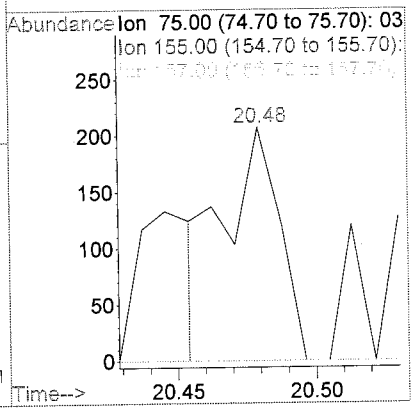
ND



#79
1,2-Dibromo-3-chloropropane
Concen: 0.13 ug/L
RT: 20.48 min Scan# 1948
Delta R.T. 0.03 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 75 Resp: 287

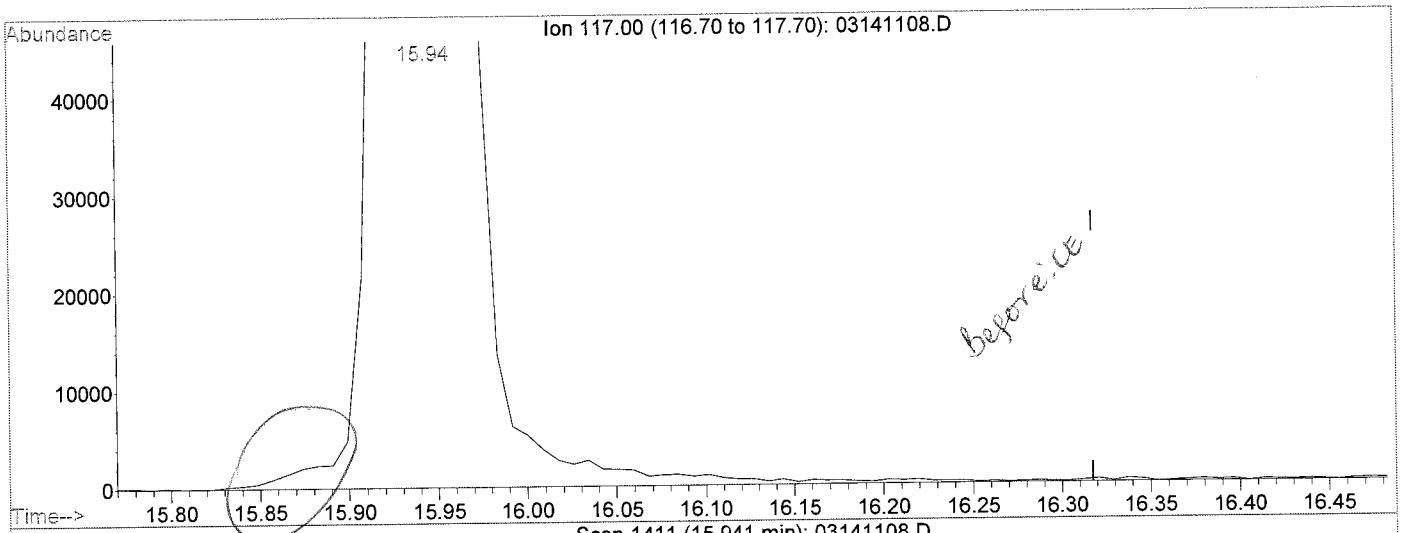
Ion	Ratio	Lower	Upper
75	100		
155	0.0	67.3	100.9#
157	0.0	89.6	134.4#

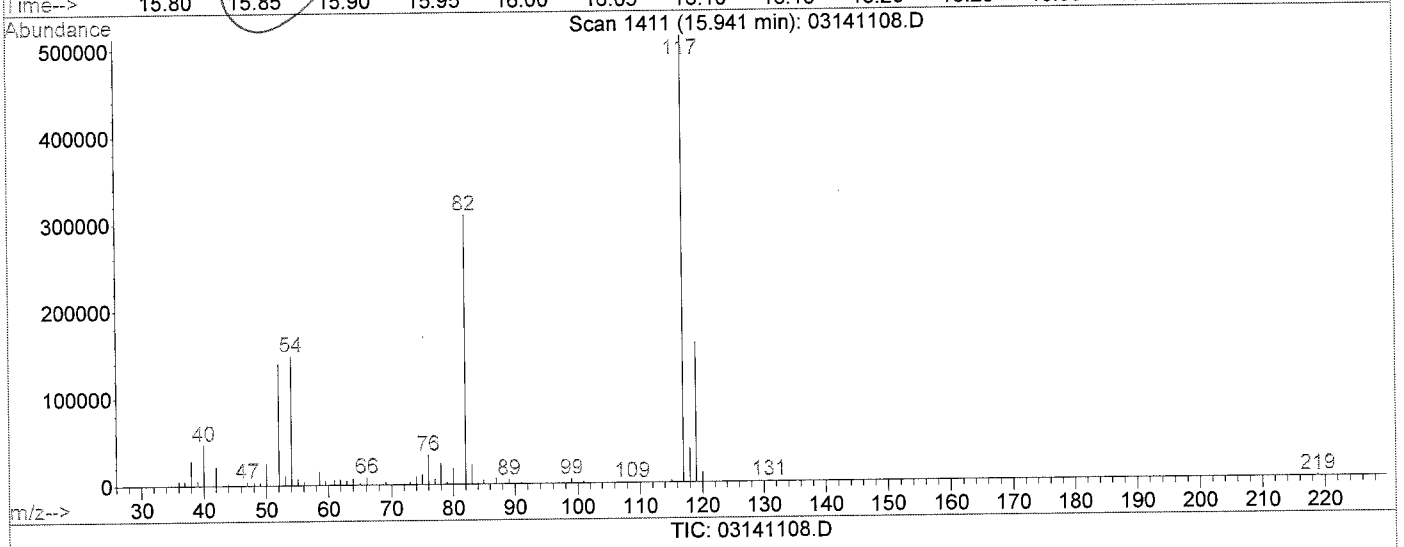


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(48) Chlorobenzene-d5 (I)

15.94min 25.00ug/L

response 1123564

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

NL 3/15/11

NL

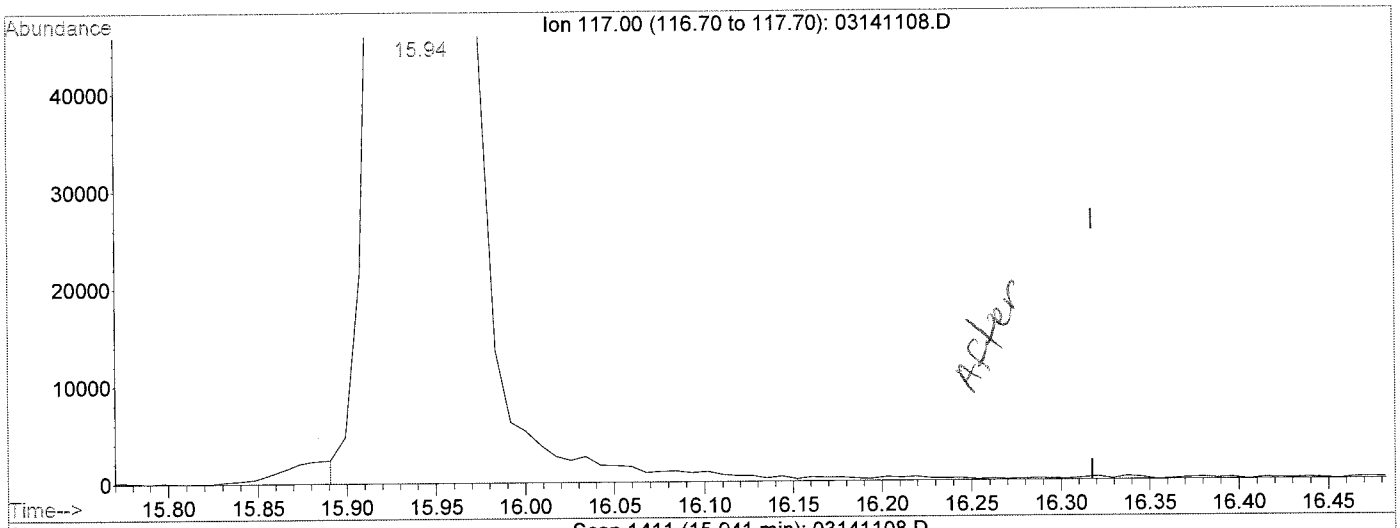
ML 3/16/11

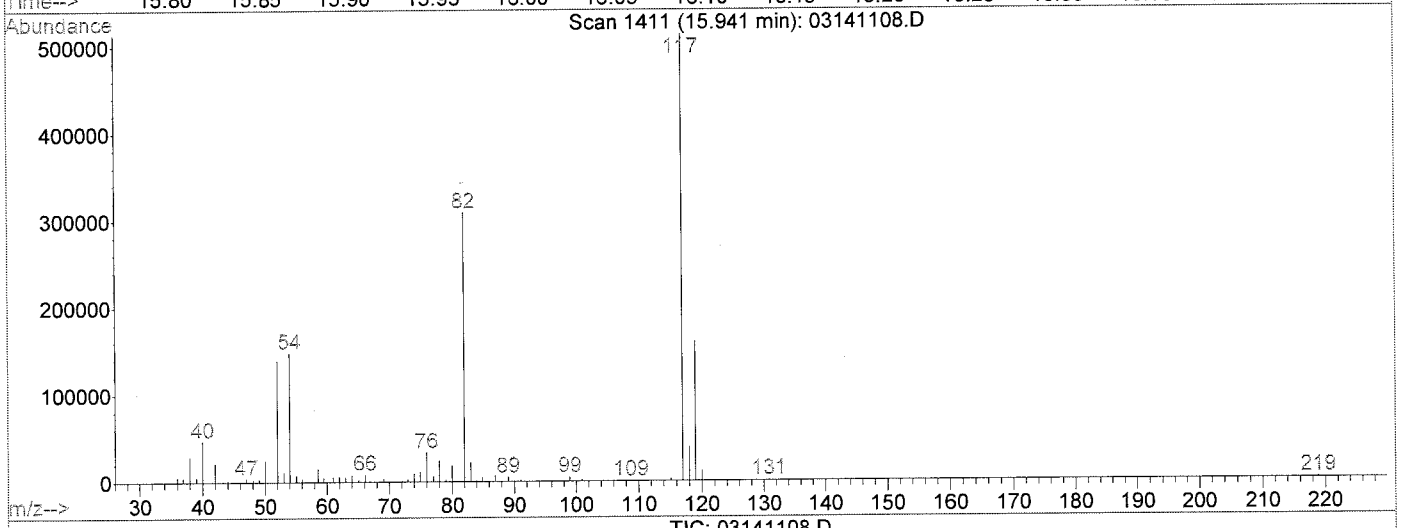
03141108.D 030211.M Mon Mar 14 15:56:33 2011

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:56 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





TIC: 03141108.D

(48) Chlorobenzene-d5 (I)

15.94min 25.00ug/L m

response 1118486

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

NL

03141108.D 030211.M Mon Mar 14 15:56:38 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:56 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.33	65	155823	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	879567	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1296569	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.94	117	1118486m	25.00 ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	624163	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	494871	23.38 ug/L	0.00
Spiked Amount 25.000			Recovery =	93.52%	
46) Toluene-d8	13.99	98	1396217	24.95 ug/L	0.00
Spiked Amount 25.000			Recovery =	99.80%	
60) 4-Bromofluorobenzene	17.62	95	632523	28.17 ug/L	-0.03
Spiked Amount 25.000			Recovery =	112.68%	

Target Compounds					Qvalue
2) Ethanol	0.00	45	0	N.D. d	
3) tert-Butanol (TBA)	0.00	59	0	N.D. d	
5) Dichlorodifluoromethane	4.51	85	16104	0.47 ug/L	98
6) Chloromethane	4.80	50	9667	0.32 ug/L	88
7) Vinyl chloride	5.10	62	9208	0.44 ug/L #	62
8) Bromomethane	5.68	94	5429	1.11 ug/L	92
9) Chloroethane	5.89	64	7629	0.39 ug/L #	90
10) Trichlorofluoromethane	6.70	101	19285	0.51 ug/L	92
11) Acetone	0.00	43	0	N.D. d	
12) Iodomethane	7.48	142	2632	1.12 ug/L #	88
13) 1,1-Dichloroethene	7.42	96	10971	0.52 ug/L	89
14) Methylene chloride	7.61	84	13077	0.51 ug/L	98
15) Freon 113	7.68	101	12975	0.52 ug/L	97
16) Carbon disulfide	7.94	76	33782	0.33 ug/L	96
17) trans-1,2-Dichloroethene	8.50	96	11772	0.51 ug/L	95
18) MTBE	8.63	73	19900	0.51 ug/L	99
19) 1,1-Dichloroethane	8.82	63	20504	0.46 ug/L	94
20) Vinyl acetate	8.97	43	9755	0.50 ug/L	97
21) n-Hexane	9.34	86	2173	0.45 ug/L	83
22) 2-Butanone (MEK)	9.37	72	707	0.58 ug/L #	47
23) Diisopropylether (DIPE)	9.37	45	37882	0.48 ug/L	93
24) cis-1,2-dichloroethene	9.56	96	12547	0.50 ug/L	93
25) Bromochloromethane	9.76	128	4023	0.42 ug/L	94
26) Chloroform	9.82	83	22798	0.53 ug/L	97
27) 2,2-Dichloropropane	9.93	77	19634	0.59 ug/L	98
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	27493	0.49 ug/L	99
30) 1,2-Dichloroethane	10.66	62	13904	0.54 ug/L	91
31) 1,1,1-Trichloroethane	10.79	97	19365	0.56 ug/L	90
32) (TAME) tert-Amyl methy eth	11.50	73	19772	0.50 ug/L	94
34) 1,1-Dichloropropene	11.03	75	16108	0.58 ug/L	93
35) Carbon tetrachloride	11.27	117	15491	1.15 ug/L	93
36) Benzene	11.33	78	40638	0.54 ug/L	96
37) Dibromomethane	12.05	93	5616	0.52 ug/L	91
38) 1,2-Dichloropropane	12.09	63	9890	0.50 ug/L #	75
39) Trichloroethene	12.14	95	12969	0.60 ug/L	89
40) Bromodichloromethane	12.21	83	14786	0.58 ug/L	97

(#) = qualifier out of range (m) = manual integration
03141108.D 030211.M Mon Mar 14 15:57:08 2011

3/15/11

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:56 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

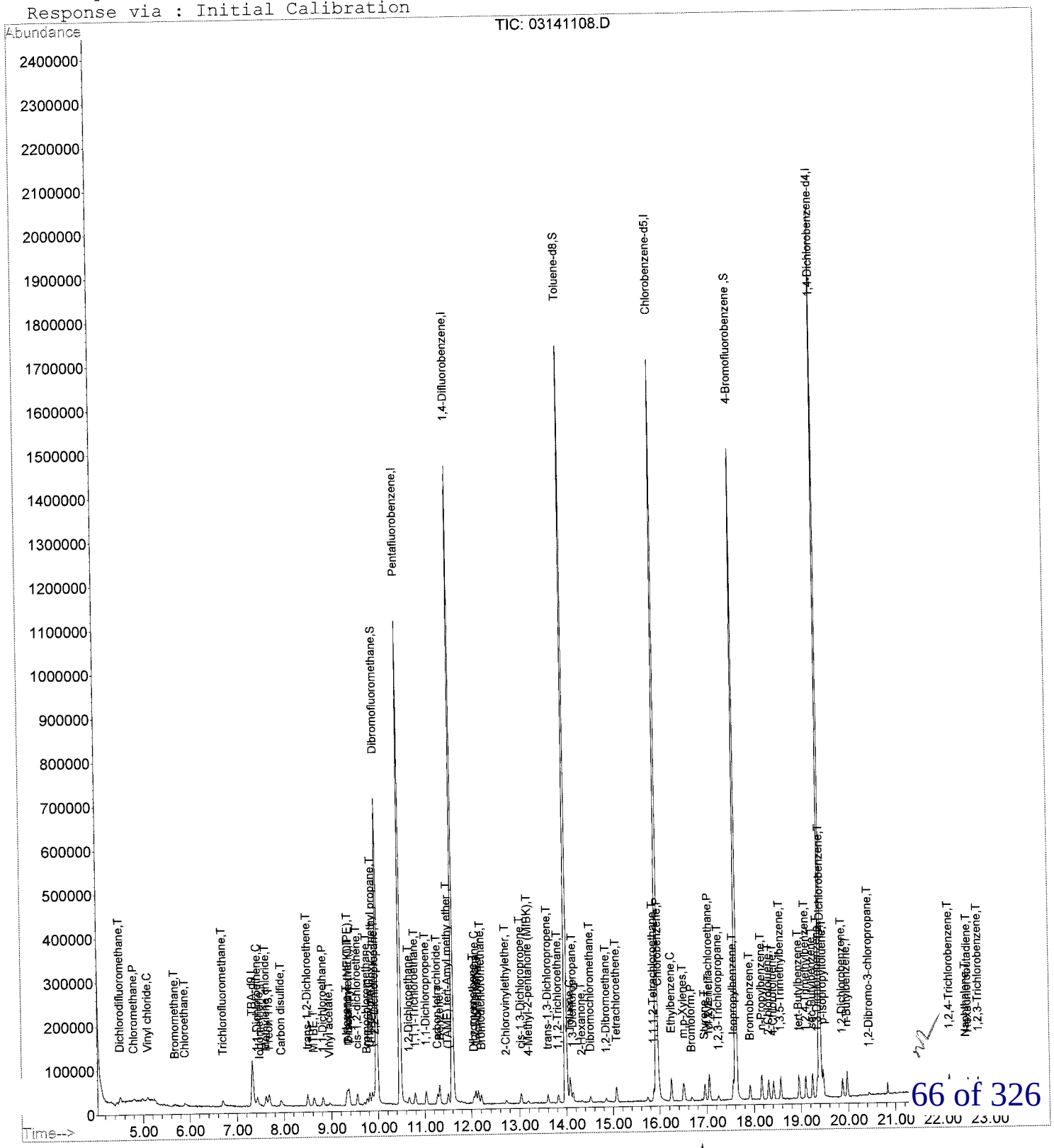
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	3181	0.54 ug/L	98
42) cis-1,3-Dichloropropene	13.04	75	14783	0.54 ug/L	89
43) 4-Methyl-2-pentanone (MIBK	13.18	43	4824	0.48 ug/L	99
44) trans-1,3-Dichloropropene	13.60	75	11216	0.52 ug/L	91
45) 1,1,2-Trichloroethane	13.82	97	6341	0.51 ug/L #	89
47) Toluene	14.08	92	23238	0.53 ug/L	93
49) 1,3-Dichloropropane	14.14	76	10638	0.47 ug/L	88
50) 2-Hexanone	14.33	43	3785	0.54 ug/L #	90
51) Dibromochloromethane	14.52	129	7965	0.53 ug/L	93
52) 1,2-Dibromoethane	14.85	107	6725	0.52 ug/L	92
53) Tetrachloroethene	15.07	164	9968	0.57 ug/L	97
54) 1,1,1,2-Tetrachloroethane	15.87	131	12849	0.75 ug/L #	47
55) Chlorobenzene	15.98	112	26010	0.52 ug/L	92
56) Ethylbenzene	16.25	91	45873	0.54 ug/L	98
57) m,p-Xylenes	16.51	106	16402	0.53 ug/L	98
58) Styrene	16.96	104	22674	0.50 ug/L	98
59) o-Xylene	17.06	106	15253	0.51 ug/L	91
62) Bromoform	16.68	173	4397	0.44 ug/L	90
63) 1,1,2,2-Tetrachloroethane	17.04	83	6485	0.47 ug/L #	91
64) 1,2,3-Trichloropropane	17.25	110	1742	0.47 ug/L	96
65) Isopropylbenzene	17.56	105	36954	0.47 ug/L	98
66) Bromobenzene	17.92	156	11055	0.49 ug/L	97
67) n-Propylbenzene	18.17	91	50276	0.48 ug/L	98
68) 2-Chlorotoluene	18.31	91	31749	0.48 ug/L	98
69) 4-Chlorotoluene	18.41	91	31263	0.47 ug/L	96
70) 1,3,5-Trimethylbenzene	18.57	105	33141	0.47 ug/L	100
71) tert-Butylbenzene	18.95	119	28395	0.50 ug/L	99
72) 1,2,4-Trimethylbenzene	19.10	105	34157	0.49 ug/L	100
73) sec-Butylbenzene	19.24	105	44712	0.49 ug/L	98
74) 1,3-Dichlorobenzene	19.35	146	19897	0.48 ug/L	92
75) 1,4-Dichlorobenzene	19.43	146	20529	0.51 ug/L	92
76) p-Isopropyltoluene	19.48	119	37737	0.52 ug/L	96
77) 1,2-Dichlorobenzene	19.88	146	17654	0.49 ug/L	96
78) n-Butylbenzene	19.97	91	34571	0.46 ug/L	100
79) 1,2-Dibromo-3-chloropropan	20.43	75	1633	0.70 ug/L #	66
80) 1,2,4-Trichlorobenzene	22.15	180	13689	0.53 ug/L	93
81) Naphthalene	22.50	128	14868	0.44 ug/L	97
82) Hexachlorobutadiene	22.55	225	6055	0.45 ug/L #	86
83) 1,2,3-Trichlorobenzene	22.76	180	10973	0.52 ug/L	98

(#) = qualifier out of range (m) = manual integration
03141108.D 030211.M Mon Mar 14 15:57:09 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:56 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration

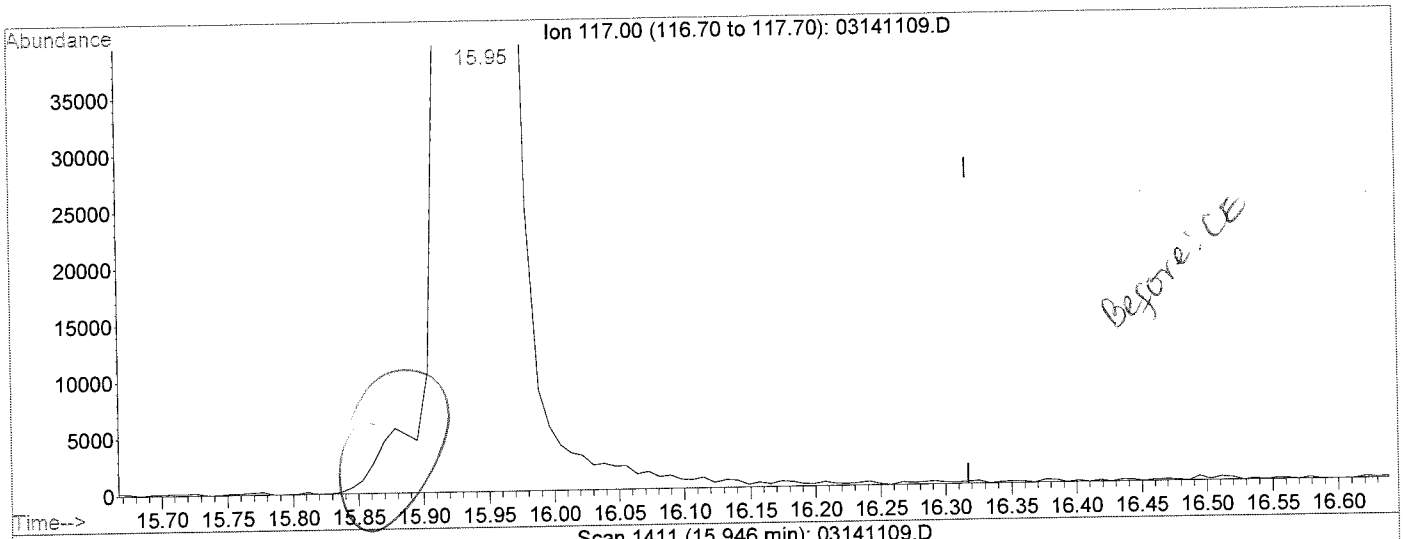


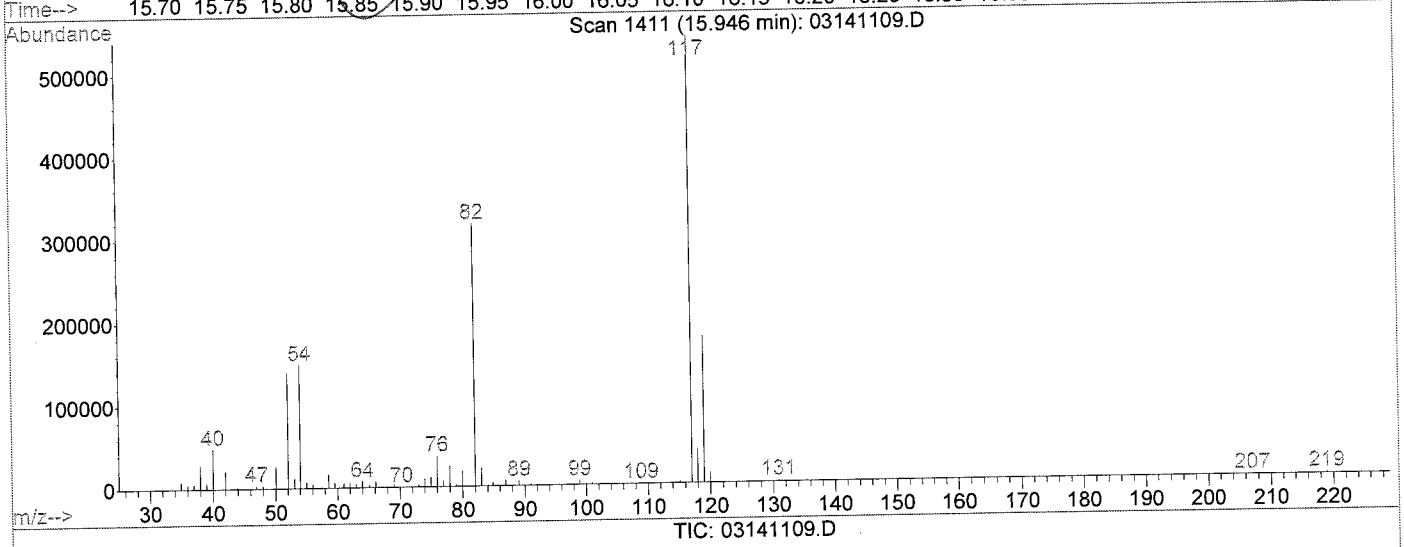
03141108.D 030211.M Mon Mar 14 15:57:10 2011

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:57 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(48) Chlorobenzene-d5 (I)

15.95min 25.00ug/L

response 1174140

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

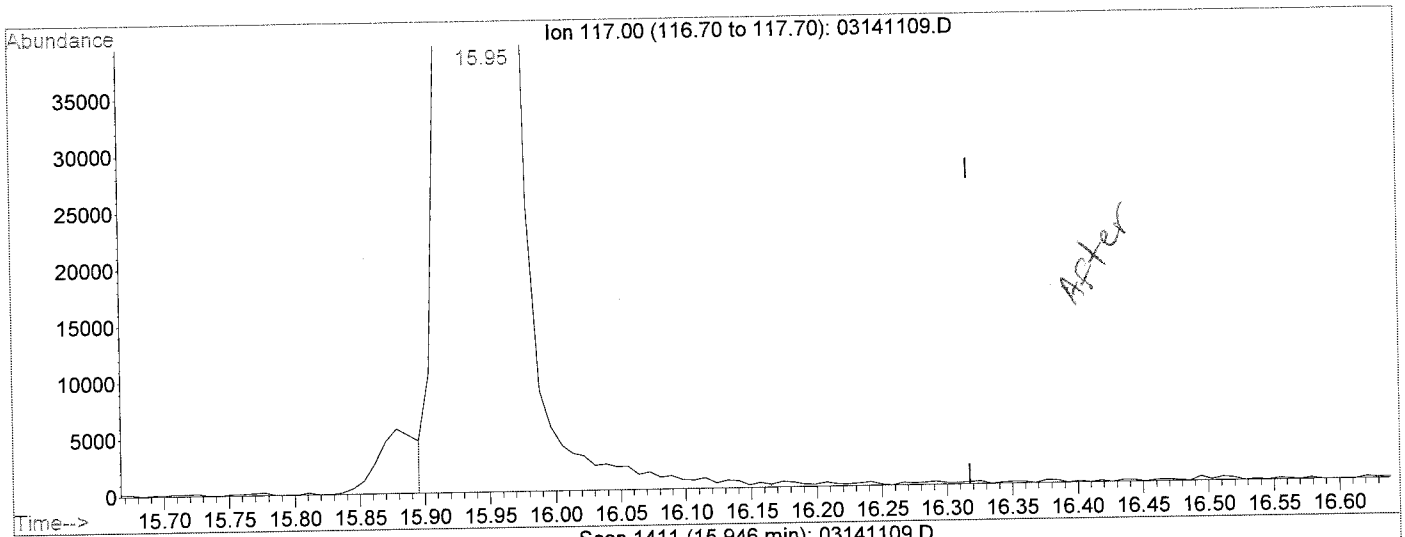
NL 3/15/11

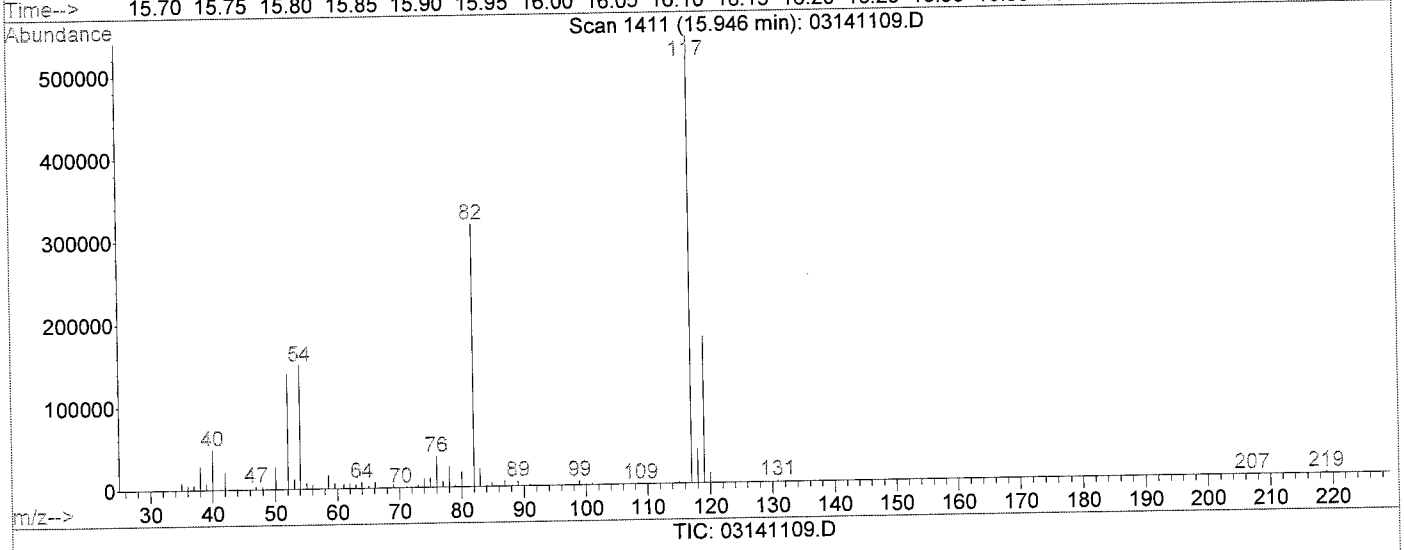
03141109.D 030211.M Mon Mar 14 15:58:03 2011

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(48) Chlorobenzene-d5 (I)

15.95min 25.00ug/L m

response 1161807

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

NL

03141109.D 030211.M Mon Mar 14 15:58:09 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.32	65	163525	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	922360	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1341500	25.00 ug/L	-0.01
48) Chlorobenzene-d5	15.95	117	1161807m	25.00 ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.40	152	656554	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	511715	23.06 ug/L	0.00
Spiked Amount 25.000			Recovery	= 92.24%	
46) Toluene-d8	13.99	98	1439541	24.86 ug/L	-0.01
Spiked Amount 25.000			Recovery	= 99.44%	
60) 4-Bromofluorobenzene	17.62	95	651071	27.91 ug/L	-0.03
Spiked Amount 25.000			Recovery	= 111.64%	

Target Compounds					Qvalue
2) Ethanol	0.00	45	0	N.D. d	
3) tert-Butanol (TBA)	7.43	59	5161	4.28 ug/L	96
5) Dichlorodifluoromethane	4.50	85	30732	0.86 ug/L	96
6) Chloromethane	4.80	50	18061	0.56 ug/L	92
7) Vinyl chloride	5.09	62	18944	0.87 ug/L #	78
8) Bromomethane	5.69	94	10522	1.29 ug/L	94
9) Chloroethane	5.89	64	16939	0.83 ug/L	94
10) Trichlorofluoromethane	6.70	101	37937	0.96 ug/L	97
11) Acetone	6.86	43	5558	1.13 ug/L #	79
12) Iodomethane	7.47	142	8584	1.33 ug/L	95
13) 1,1-Dichloroethene	7.42	96	19437	0.88 ug/L	93
14) Methylene chloride	7.61	84	26278	0.98 ug/L	99
15) Freon 113	7.68	101	25302	0.96 ug/L	98
16) Carbon disulfide	7.94	76	60995	0.74 ug/L #	92
17) trans-1,2-Dichloroethene	8.49	96	22356	0.92 ug/L	98
18) MTBE	8.63	73	41710	1.02 ug/L	99
19) 1,1-Dichloroethane	8.82	63	44289	0.95 ug/L	98
20) Vinyl acetate	8.98	43	20648	1.02 ug/L	99
21) n-Hexane	9.32	86	4597	0.91 ug/L	80
22) 2-Butanone (MEK)	9.36	72	1170	0.92 ug/L #	85
23) Diisopropylether (DIPE)	9.36	45	87611	1.05 ug/L	97
24) cis-1,2-dichloroethene	9.55	96	24956	0.95 ug/L	96
25) Bromochloromethane	9.76	128	8986	0.90 ug/L	96
26) Chloroform	9.82	83	47855	1.05 ug/L	99
27) 2,2-Dichloropropane	9.93	77	39501	1.13 ug/L	95
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	62766	1.07 ug/L	99
30) 1,2-Dichloroethane	10.66	62	29939	1.11 ug/L	95
31) 1,1,1-Trichloroethane	10.80	97	39206	1.08 ug/L	95
32) (TAME) tert-Amyl methy eth	11.50	73	43031	1.03 ug/L	96
34) 1,1-Dichloropropene	11.03	75	31960	1.10 ug/L	97
35) Carbon tetrachloride	11.27	117	32401	1.83 ug/L	98
36) Benzene	11.32	78	81624	1.04 ug/L	95
37) Dibromomethane	12.05	93	11887	1.07 ug/L	94
38) 1,2-Dichloropropane	12.09	63	20550	1.00 ug/L #	86
39) Trichloroethene	12.14	95	25397	1.14 ug/L	97
40) Bromodichloromethane	12.21	83	30659	1.16 ug/L	100

(#) = qualifier out of range (m) = manual integration
03141109.D 030211.M Mon Mar 14 15:58:29 2011

M 4/16/11

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

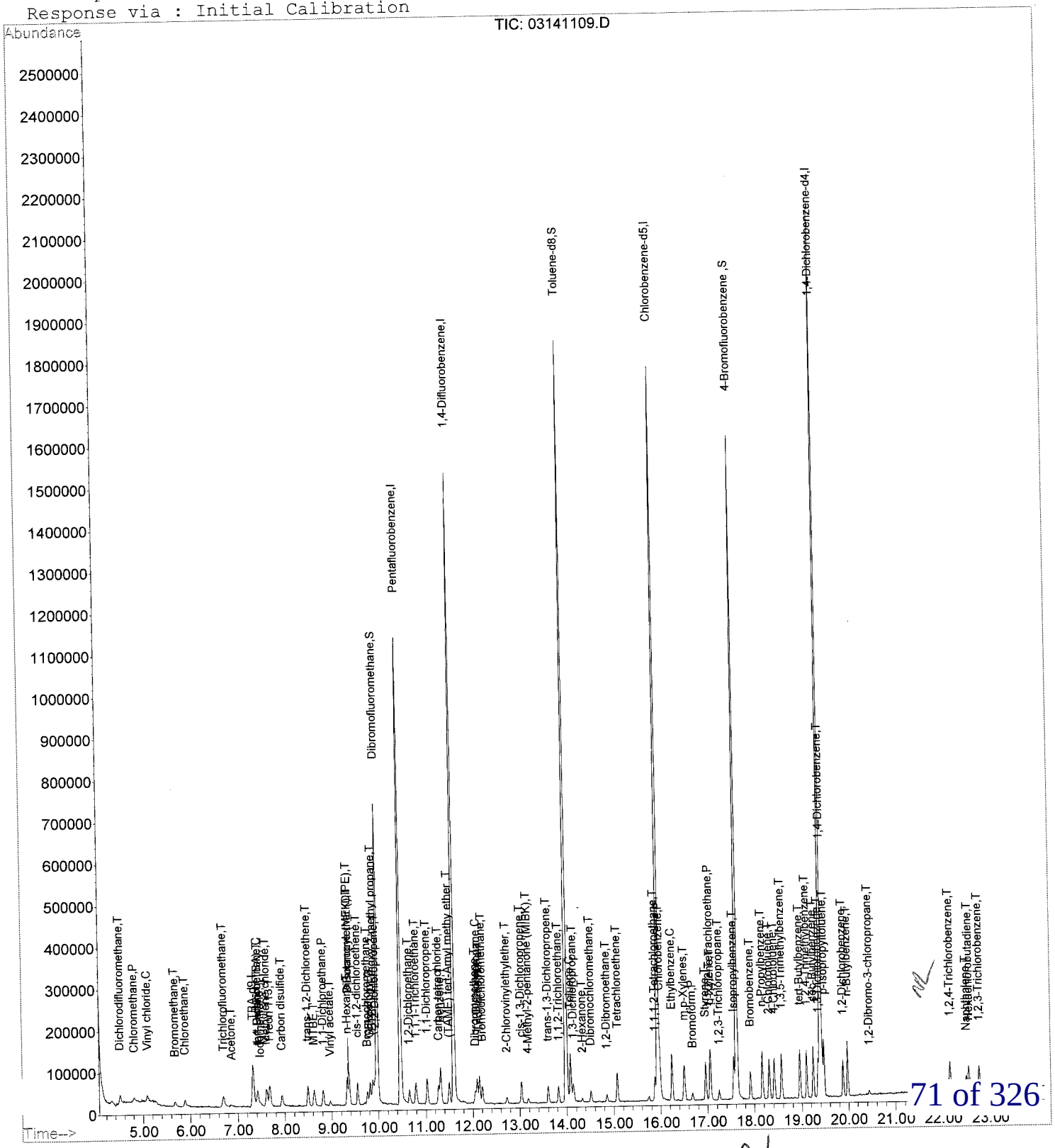
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.72	63	6316	1.04 ug/L	97
42) cis-1,3-Dichloropropene	13.03	75	30586	1.08 ug/L	92
43) 4-Methyl-2-pentanone (MIBK	13.18	43	9919	0.96 ug/L	98
44) trans-1,3-Dichloropropene	13.60	75	24804	1.10 ug/L	90
45) 1,1,2-Trichloroethane	13.83	97	13697	1.06 ug/L	92
47) Toluene	14.08	92	51724	1.14 ug/L	98
49) 1,3-Dichloropropane	14.14	76	23878	1.01 ug/L	97
50) 2-Hexanone	14.33	43	7442	1.02 ug/L #	88
51) Dibromochloromethane	14.52	129	15956	1.02 ug/L	98
52) 1,2-Dibromoethane	14.85	107	13364	1.00 ug/L	98
53) Tetrachloroethene	15.08	164	20940	1.15 ug/L	93
54) 1,1,1,2-Tetrachloroethane	15.88	131	20465	1.15 ug/L	89
55) Chlorobenzene	15.99	112	55554	1.07 ug/L #	80
56) Ethylbenzene	16.24	91	98106	1.12 ug/L	98
57) m,p-Xylenes	16.50	106	34501	1.08 ug/L	95
58) Styrene	16.96	104	50145	1.06 ug/L	97
59) o-Xylene	17.06	106	33764	1.09 ug/L	96
62) Bromoform	16.68	173	10070	0.96 ug/L	89
63) 1,1,2,2-Tetrachloroethane	17.04	83	12898	0.88 ug/L #	96
64) 1,2,3-Trichloropropane	17.25	110	3454	0.88 ug/L	94
65) Isopropylbenzene	17.56	105	83225	1.00 ug/L	99
66) Bromobenzene	17.91	156	22567	0.96 ug/L	98
67) n-Propylbenzene	18.17	91	107954	0.97 ug/L	100
68) 2-Chlorotoluene	18.31	91	69416	1.00 ug/L	99
69) 4-Chlorotoluene	18.42	91	72338	1.04 ug/L	99
70) 1,3,5-Trimethylbenzene	18.57	105	75804	1.02 ug/L	95
71) tert-Butylbenzene	18.96	119	61061	1.03 ug/L	97
72) 1,2,4-Trimethylbenzene	19.10	105	74433	1.01 ug/L	99
73) sec-Butylbenzene	19.25	105	94039	0.97 ug/L	100
74) 1,3-Dichlorobenzene	19.35	146	43178	1.00 ug/L	95
75) 1,4-Dichlorobenzene	19.43	146	44611	1.05 ug/L #	90
76) p-Isopropyltoluene	19.47	119	78344	1.03 ug/L	97
77) 1,2-Dichlorobenzene	19.88	146	36641	0.97 ug/L	97
78) n-Butylbenzene	19.98	91	77186	0.98 ug/L	98
79) 1,2-Dibromo-3-chloropropan	20.44	75	1968	0.80 ug/L	89
80) 1,2,4-Trichlorobenzene	22.15	180	28151	1.03 ug/L	94
81) Naphthalene	22.49	128	31633	0.89 ug/L	99
82) Hexachlorobutadiene	22.54	225	15443	1.08 ug/L	94
83) 1,2,3-Trichlorobenzene	22.76	180	22752	1.02 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141109.D 030211.M Mon Mar 14 15:58:30 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



03141109.D 030211.M Mon Mar 14 15:58:31 2011

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141110.D Vial: 7
Acq On : 14 Mar 2011 11:39 am Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

bad purge

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.33	65	150604	200.00 ug/L	0.01
4) Pentafluorobenzene	0.00	168	0	0.00 ug/L	-10.48
33) 1,4-Difluorobenzene	0.00	114	0	0.00 ug/L	-11.61
48) Chlorobenzene-d5	16.00	117	24919	25.00 ug/L	0.03
61) 1,4-Dichlorobenzene-d4	19.44	152	653142	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	10.16	113	645909	0.00 ug/L	0.18
Spiked Amount 25.000			Recovery	= 0.00%	
46) Toluene-d8	14.19	98	1362450	0.00 ug/L	0.19
Spiked Amount 25.000			Recovery	= 0.00%	
60) 4-Bromofluorobenzene	17.69	95	652663	1304.45 ug/L	0.04
Spiked Amount 25.000			Recovery	= 5217.80%	
Target Compounds					Qvalue
2) Ethanol	5.92	45	2696	20.91 ug/L #	67
3) tert-Butanol (TBA)	7.44	59	8593	7.74 ug/L #	84
5) Dichlorodifluoromethane	4.50	85	60252	N.D.	
6) Chloromethane	4.81	50	29734	N.D.	
7) Vinyl chloride	5.10	62	36643	N.D.	
8) Bromomethane	5.69	94	12567	N.D.	
9) Chloroethane	5.90	64	34805	N.D.	
10) Trichlorofluoromethane	6.70	101	74997	N.D.	
11) Acetone	6.86	43	10820	N.D.	
12) Iodomethane	7.48	142	13623	N.D.	
13) 1,1-Dichloroethene	7.42	96	38680	N.D.	
14) Methylene chloride	7.61	84	45580	N.D.	
15) Freon 113	7.68	101	49087	N.D.	
16) Carbon disulfide	7.95	76	102409	N.D.	
17) trans-1,2-Dichloroethene	8.49	96	42691	N.D.	
18) MTBE	8.63	73	84287	N.D.	
19) 1,1-Dichloroethane	8.81	63	81273	N.D.	
20) Vinyl acetate	8.97	43	34200	N.D.	
21) n-Hexane	9.35	86	9366	N.D.	
22) 2-Butanone (MEK)	9.38	72	2390	N.D.	
23) Diisopropylether (DIPE)	9.38	45	171710	N.D.	
24) cis-1,2-dichloroethene	9.59	96	61499	N.D.	
25) Bromochloromethane	9.86	128	23629	N.D.	
26) Chloroform	9.94	83	118589	N.D.	
27) 2,2-Dichloropropane	10.09	77	93783	N.D.	
28) (ETBE) 2-Ethoxy-2-methyl p	10.02	59	171722	N.D.	
30) 1,2-Dichloroethane	10.80	62	4530	N.D.	
31) 1,1,1-Trichloroethane	0.00	97	0	N.D.	
32) (TAME) tert-Amyl methy eth	11.40	73	9463	N.D.	
34) 1,1-Dichloropropene	10.81	75	78874	N.D.	
35) Carbon tetrachloride	11.15	117	9651	N.D.	
36) Benzene	0.00	78	0	N.D.	
37) Dibromomethane	11.95	93	22910	N.D.	
38) 1,2-Dichloropropane	11.95	63	279932	N.D.	
39) Trichloroethene	12.45	95	39397	N.D.	
40) Bromodichloromethane	12.51	83	49955	N.D.	

(#) = qualifier out of range (m) = manual integration
03141110.D 030211.M Mon Mar 14 15:58:38 2011

NL 3/15/11

NL 3/15/11

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141110.D Vial: 7
Acq On : 14 Mar 2011 11:39 am Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	13.00	63	11813	N.D.	
42) cis-1,3-Dichloropropene	13.30	75	59880	N.D.	
43) 4-Methyl-2-pentanone (MIBK	13.42	43	22372	N.D.	
44) trans-1,3-Dichloropropene	13.83	75	51008	N.D.	
45) 1,1,2-Trichloroethane	14.04	97	27372	N.D.	
47) Toluene	14.28	92	97296	N.D.	
49) 1,3-Dichloropropane	14.34	76	47055	92.48 ug/L	100
50) 2-Hexanone	14.27	43	2430	15.55 ug/L #	38
51) Dibromochloromethane	14.70	129	32701	97.58 ug/L	100
52) 1,2-Dibromoethane	15.21	107	55	0.19 ug/L	98
53) Tetrachloroethene	15.23	164	28863	73.76 ug/L	96
54) 1,1,1,2-Tetrachloroethane	16.00	131	43011	112.63 ug/L	94
55) Chlorobenzene	16.11	112	104621	94.28 ug/L #	87
56) Ethylbenzene	16.36	91	194365	103.49 ug/L	98
57) m,p-Xylenes	16.60	106	68975	100.74 ug/L	96
58) Styrene	17.05	104	106779	104.80 ug/L	98
59) o-Xylene	17.14	106	67019	100.99 ug/L	99
62) Bromoform	16.78	173	23664	2.26 ug/L	94
63) 1,1,2,2-Tetrachloroethane	17.13	83	28342	1.95 ug/L #	92
64) 1,2,3-Trichloropropane	17.33	110	7762	2.00 ug/L	87
65) Isopropylbenzene	17.63	105	168974	2.05 ug/L	98
66) Bromobenzene	17.99	156	46126	1.96 ug/L	98
67) n-Propylbenzene	18.22	91	217557	1.97 ug/L	100
68) 2-Chlorotoluene	18.37	91	137574	1.98 ug/L	97
69) 4-Chlorotoluene	18.47	91	140834	2.04 ug/L	97
70) 1,3,5-Trimethylbenzene	18.61	105	147231	1.99 ug/L	98
71) tert-Butylbenzene	19.00	119	119146	2.01 ug/L	97
72) 1,2,4-Trimethylbenzene	19.14	105	146772	1.99 ug/L	98
73) sec-Butylbenzene	19.28	105	192717	2.00 ug/L	100
74) 1,3-Dichlorobenzene	19.39	146	83816	1.95 ug/L	97
75) 1,4-Dichlorobenzene	19.47	146	85825	2.03 ug/L	93
76) p-Isopropyltoluene	19.50	119	154507	2.04 ug/L	99
77) 1,2-Dichlorobenzene	19.91	146	73874	1.97 ug/L	99
78) n-Butylbenzene	20.00	91	154852	1.98 ug/L	100
79) 1,2-Dibromo-3-chloropropan	20.46	75	4963	2.03 ug/L	86
80) 1,2,4-Trichlorobenzene	22.16	180	55476	2.04 ug/L	95
81) Naphthalene	22.50	128	65537	1.85 ug/L	100
82) Hexachlorobutadiene	22.56	225	29732	2.09 ug/L	99
83) 1,2,3-Trichlorobenzene	22.77	180	45568	2.04 ug/L	99

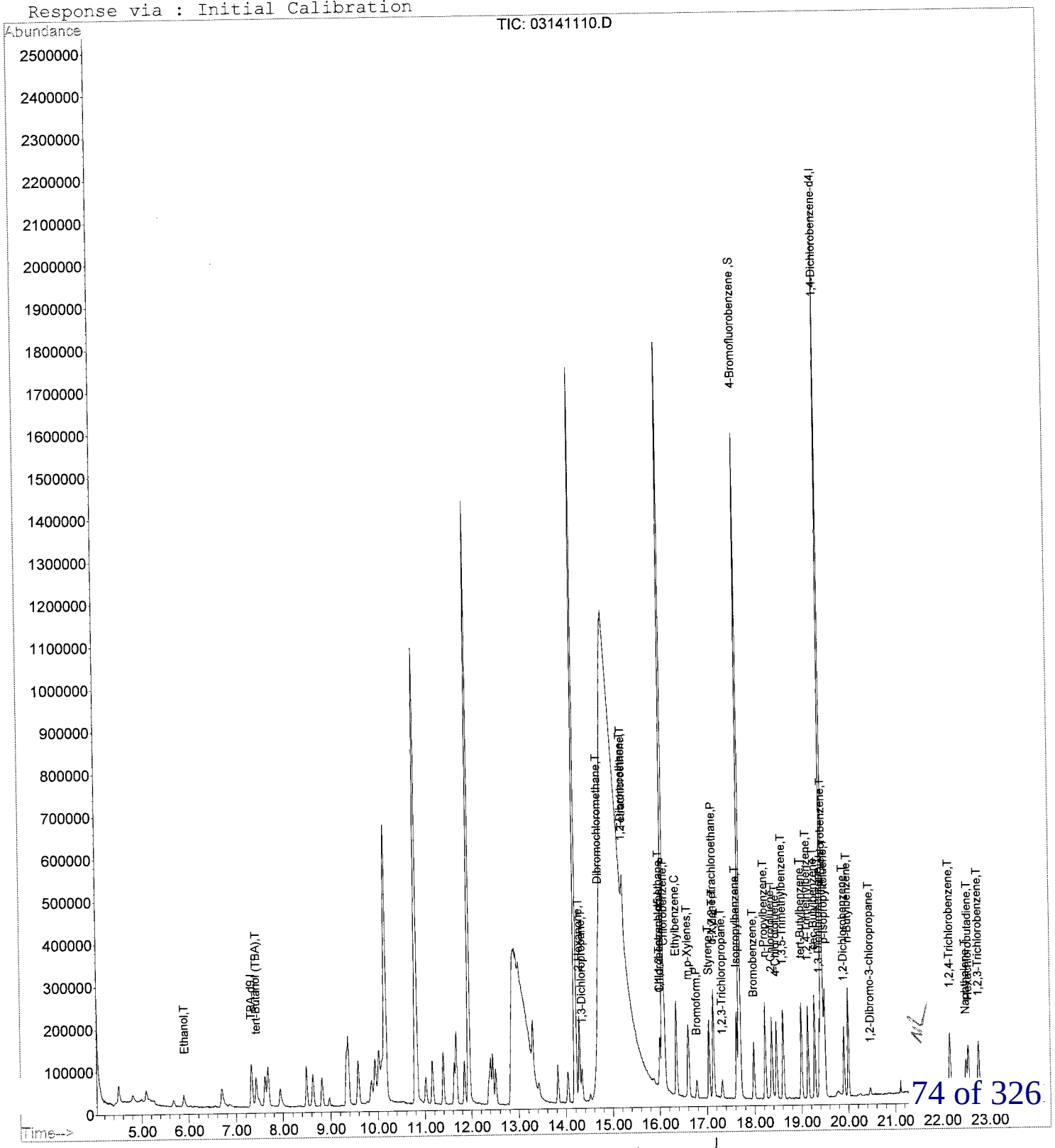
NL

(#) = qualifier out of range (m) = manual integration
03141110.D 030211.M Mon Mar 14 15:58:38 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141110.D Vial: 7
Acq On : 14 Mar 2011 11:39 am Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



03141110.D 030211.M Mon Mar 14 15:58:39 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D Vial: 8
Acq On : 14 Mar 2011 12:14 pm Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:59 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	118356	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	711317	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1057424	25.00 ug/L	-0.02
48) Chlorobenzene-d5	15.94	117	932115	25.00 ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	524222	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	415304	24.26 ug/L	0.00
Spiked Amount 25.000			Recovery =	97.04%	
46) Toluene-d8	13.98	98	1156864	25.35 ug/L	-0.02
Spiked Amount 25.000			Recovery =	101.40%	
60) 4-Bromofluorobenzene	17.62	95	527208	28.17 ug/L	-0.03
Spiked Amount 25.000			Recovery =	112.68%	

Target Compounds					Qvalue
2) Ethanol	0.00	45	0	N.D. d	
3) tert-Butanol (TBA)	7.42	59	10211	11.71 ug/L #	94
5) Dichlorodifluoromethane	4.47	85	53625	1.94 ug/L	98
6) Chloromethane	4.78	50	32657	1.32 ug/L	89
7) Vinyl chloride	5.07	62	37358	2.22 ug/L #	82
8) Bromomethane	5.66	94	17100	1.72 ug/L	87
9) Chloroethane	5.87	64	35588	2.25 ug/L	97
10) Trichlorofluoromethane	6.68	101	68707	2.26 ug/L	94
11) Acetone	6.84	43	13114	3.46 ug/L #	88
12) Iodomethane	7.47	142	15441	1.74 ug/L	99
13) 1,1-Dichloroethene	7.41	96	39307	2.31 ug/L	98
14) Methylene chloride	7.60	84	47605	2.31 ug/L	99
15) Freon 113	7.66	101	41898	2.07 ug/L	93
16) Carbon disulfide	7.93	76	119287	2.23 ug/L	97
17) trans-1,2-Dichloroethene	8.48	96	50567	2.71 ug/L	99
18) MTBE	8.62	73	68393	2.16 ug/L	99
19) 1,1-Dichloroethane	8.80	63	90989	2.52 ug/L	96
20) Vinyl acetate	8.95	43	32801	2.10 ug/L	96
21) n-Hexane	9.32	86	7296	1.87 ug/L	98
22) 2-Butanone (MEK)	9.35	72	2282	2.33 ug/L #	82
23) Diisopropylether (DIPE)	9.36	45	154386	2.40 ug/L	98
24) cis-1,2-dichloroethene	9.55	96	52692	2.61 ug/L	99
25) Bromochloromethane	9.76	128	15165	1.97 ug/L	97
26) Chloroform	9.82	83	98924	2.83 ug/L	97
27) 2,2-Dichloropropane	9.92	77	82629	3.06 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	108864	2.41 ug/L	100
30) 1,2-Dichloroethane	10.66	62	52451	2.52 ug/L	96
31) 1,1,1-Trichloroethane	10.79	97	82372	2.94 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	72398	2.26 ug/L	97
34) 1,1-Dichloropropene	11.02	75	62603	2.74 ug/L	98
35) Carbon tetrachloride	11.27	117	65324	3.91 ug/L	98
36) Benzene	11.32	78	170501	2.76 ug/L	96
37) Dibromomethane	12.04	93	21366	2.44 ug/L	99
38) 1,2-Dichloropropane	12.09	63	42314	2.62 ug/L #	81
39) Trichloroethene	12.14	95	51563	2.93 ug/L	99
40) Bromodichloromethane	12.20	83	60974	2.92 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141111.D 030211.M Mon Mar 14 16:00:01 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D Vial: 8
Acq On : 14 Mar 2011 12:14 pm Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:59 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

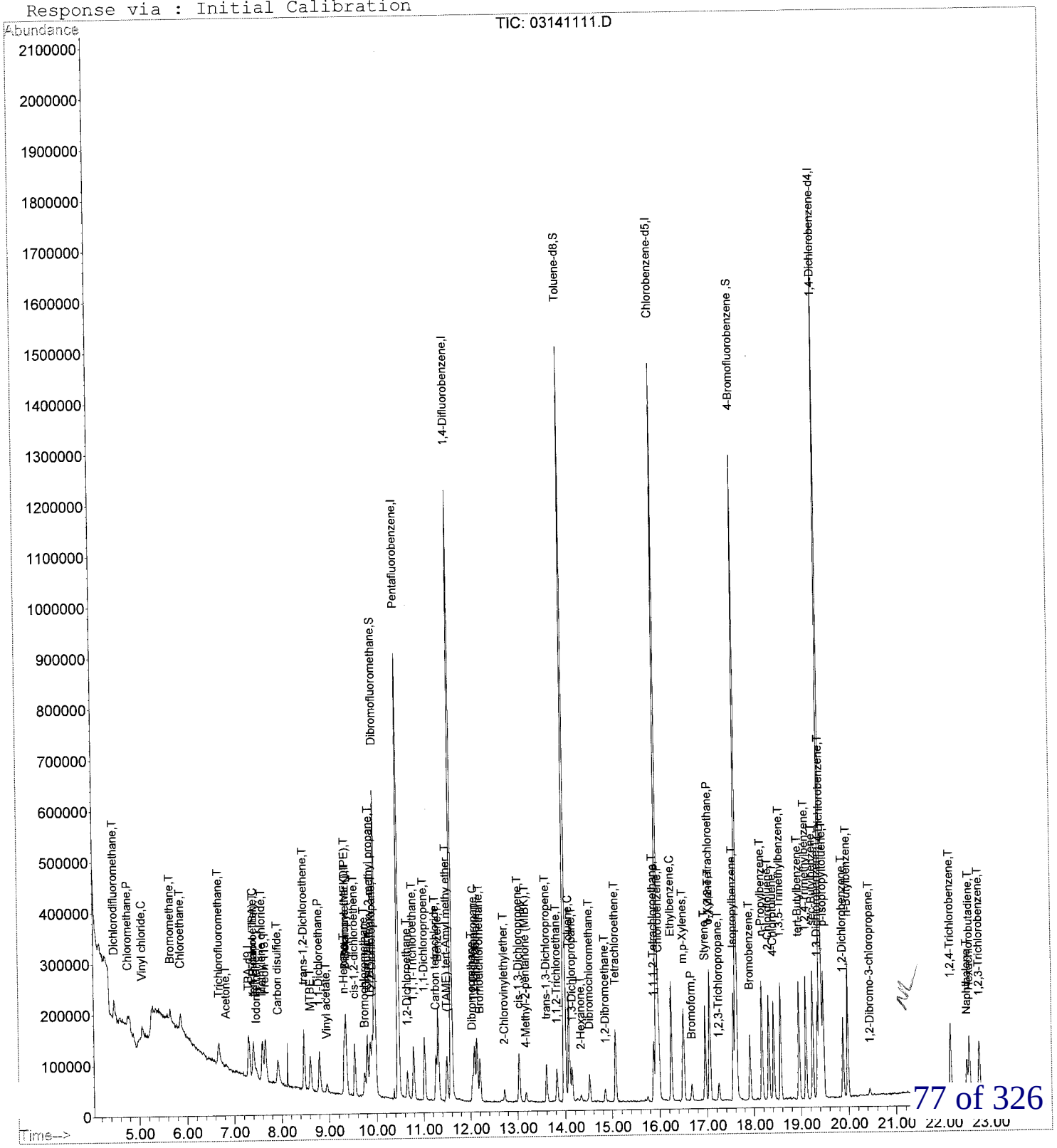
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	10374	2.17 ug/L	96
42) cis-1,3-Dichloropropene	13.04	75	59645	2.66 ug/L	91
43) 4-Methyl-2-pentanone (MIBK	13.17	43	16382	2.01 ug/L	94
44) trans-1,3-Dichloropropene	13.60	75	45501	2.57 ug/L	93
45) 1,1,2-Trichloroethane	13.82	97	24061	2.36 ug/L	99
47) Toluene	14.08	92	105845	2.97 ug/L	100
49) 1,3-Dichloropropane	14.14	76	39874	2.10 ug/L	96
50) 2-Hexanone	14.33	43	12588	2.15 ug/L #	92
51) Dibromochloromethane	14.52	129	31703	2.53 ug/L	96
52) 1,2-Dibromoethane	14.84	107	21699	2.02 ug/L	100
53) Tetrachloroethene	15.07	164	40249	2.75 ug/L	97
54) 1,1,1,2-Tetrachloroethane	15.87	131	39605	2.77 ug/L	93
55) Chlorobenzene	15.99	112	109100	2.63 ug/L	91
56) Ethylbenzene	16.25	91	203956	2.90 ug/L	98
57) m,p-Xylenes	16.51	106	71329	2.79 ug/L	95
58) Styrene	16.96	104	102326	2.68 ug/L	97
59) o-Xylene	17.06	106	71297	2.87 ug/L	96
62) Bromoform	16.68	173	19630	2.34 ug/L	97
63) 1,1,2,2-Tetrachloroethane	17.05	83	21130	1.81 ug/L #	88
64) 1,2,3-Trichloropropane	17.25	110	5768	1.85 ug/L	96
65) Isopropylbenzene	17.56	105	171913	2.60 ug/L	99
66) Bromobenzene	17.92	156	44118	2.34 ug/L	96
67) n-Propylbenzene	18.17	91	224077	2.53 ug/L	100
68) 2-Chlorotoluene	18.31	91	141662	2.54 ug/L	98
69) 4-Chlorotoluene	18.41	91	146784	2.65 ug/L	100
70) 1,3,5-Trimethylbenzene	18.57	105	155498	2.62 ug/L	97
71) tert-Butylbenzene	18.96	119	125198	2.64 ug/L	95
72) 1,2,4-Trimethylbenzene	19.11	105	158655	2.69 ug/L	99
73) sec-Butylbenzene	19.25	105	197903	2.56 ug/L	99
74) 1,3-Dichlorobenzene	19.35	146	83448	2.42 ug/L	97
75) 1,4-Dichlorobenzene	19.43	146	84260	2.48 ug/L	93
76) p-Isopropyltoluene	19.48	119	159587	2.63 ug/L	98
77) 1,2-Dichlorobenzene	19.88	146	68995	2.30 ug/L	99
78) n-Butylbenzene	19.98	91	159253	2.54 ug/L	100
79) 1,2-Dibromo-3-chloropropan	20.45	75	4340	2.22 ug/L #	78
80) 1,2,4-Trichlorobenzene	22.15	180	52445	2.40 ug/L	98
81) Naphthalene	22.50	128	55232	1.95 ug/L	98
82) Hexachlorobutadiene	22.55	225	29126	2.55 ug/L	97
83) 1,2,3-Trichlorobenzene	22.76	180	40091	2.24 ug/L	96

(#) = qualifier out of range (m) = manual integration
03141111.D 030211.M Mon Mar 14 16:00:01 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D Vial: 8
Acq On : 14 Mar 2011 12:14 pm Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:59 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



03141111.D 030211.M Mon Mar 14 16:00:03 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D Vial: 9
Acq On : 14 Mar 2011 12:47 pm Operator: NL
Sample : 5.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:00 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	119477	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	700842	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1010249	25.00 ug/L	-0.02
48) Chlorobenzene-d5	15.94	117	912659	25.00 ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	512889	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	399936	23.72 ug/L	0.00
Spiked Amount 25.000			Recovery =	94.88%	
46) Toluene-d8	13.98	98	1120128	25.69 ug/L	-0.02
Spiked Amount 25.000			Recovery =	102.76%	
60) 4-Bromofluorobenzene	17.62	95	522172	28.50 ug/L	-0.03
Spiked Amount 25.000			Recovery =	114.00%	

Target Compounds					Qvalue
2) Ethanol	0.00	45	0	N.D. d	
3) tert-Butanol (TBA)	7.42	59	14934	16.96 ug/L	98
5) Dichlorodifluoromethane	4.47	85	132238	4.85 ug/L	99
6) Chloromethane	4.78	50	67751	2.78 ug/L	99
7) Vinyl chloride	5.06	62	78989	4.76 ug/L	97
8) Bromomethane	5.66	94	34058	2.57 ug/L	100
9) Chloroethane	5.87	64	66878	4.29 ug/L	97
10) Trichlorofluoromethane	6.68	101	158969	5.31 ug/L	96
11) Acetone	6.84	43	19542	5.24 ug/L #	90
12) Iodomethane	7.46	142	40011	2.90 ug/L #	83
13) 1,1-Dichloroethene	7.40	96	79543	4.75 ug/L	98
14) Methylene chloride	7.60	84	93284	4.60 ug/L	98
15) Freon 113	7.66	101	102564	5.14 ug/L	95
16) Carbon disulfide	7.93	76	209886	4.18 ug/L #	94
17) trans-1,2-Dichloroethene	8.48	96	86712	4.71 ug/L	96
18) MTBE	8.62	73	163820	5.26 ug/L	97
19) 1,1-Dichloroethane	8.80	63	170592	4.79 ug/L	98
20) Vinyl acetate	8.96	43	70756	4.59 ug/L	97
21) n-Hexane	9.32	86	19167	4.99 ug/L	79
22) 2-Butanone (MEK)	9.37	72	4329	4.49 ug/L #	76
23) Diisopropylether (DIPE)	9.36	45	315084	4.97 ug/L	99
24) cis-1,2-dichloroethene	9.55	96	96449	4.85 ug/L	99
25) Bromochloromethane	9.76	128	34136	4.50 ug/L	92
26) Chloroform	9.82	83	184540	5.35 ug/L	99
27) 2,2-Dichloropropane	9.92	77	144350	5.42 ug/L	96
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	240191	5.40 ug/L	98
30) 1,2-Dichloroethane	10.66	62	115992	5.65 ug/L	95
31) 1,1,1-Trichloroethane	10.79	97	161470	5.84 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	166151	5.26 ug/L	97
34) 1,1-Dichloropropene	11.02	75	125801	5.77 ug/L	98
35) Carbon tetrachloride	11.27	117	133490	7.81 ug/L	98
36) Benzene	11.32	78	313868	5.31 ug/L	95
37) Dibromomethane	12.04	93	48242	5.77 ug/L	97
38) 1,2-Dichloropropane	12.09	63	79915	5.17 ug/L	85
39) Trichloroethene	12.14	95	95797	5.70 ug/L	97
40) Bromodichloromethane	12.20	83	124593	6.24 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141112.D 030211.M Mon Mar 14 16:00:48 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D Vial: 9
Acq On : 14 Mar 2011 12:47 pm Operator: NL
Sample : 5.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:00 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

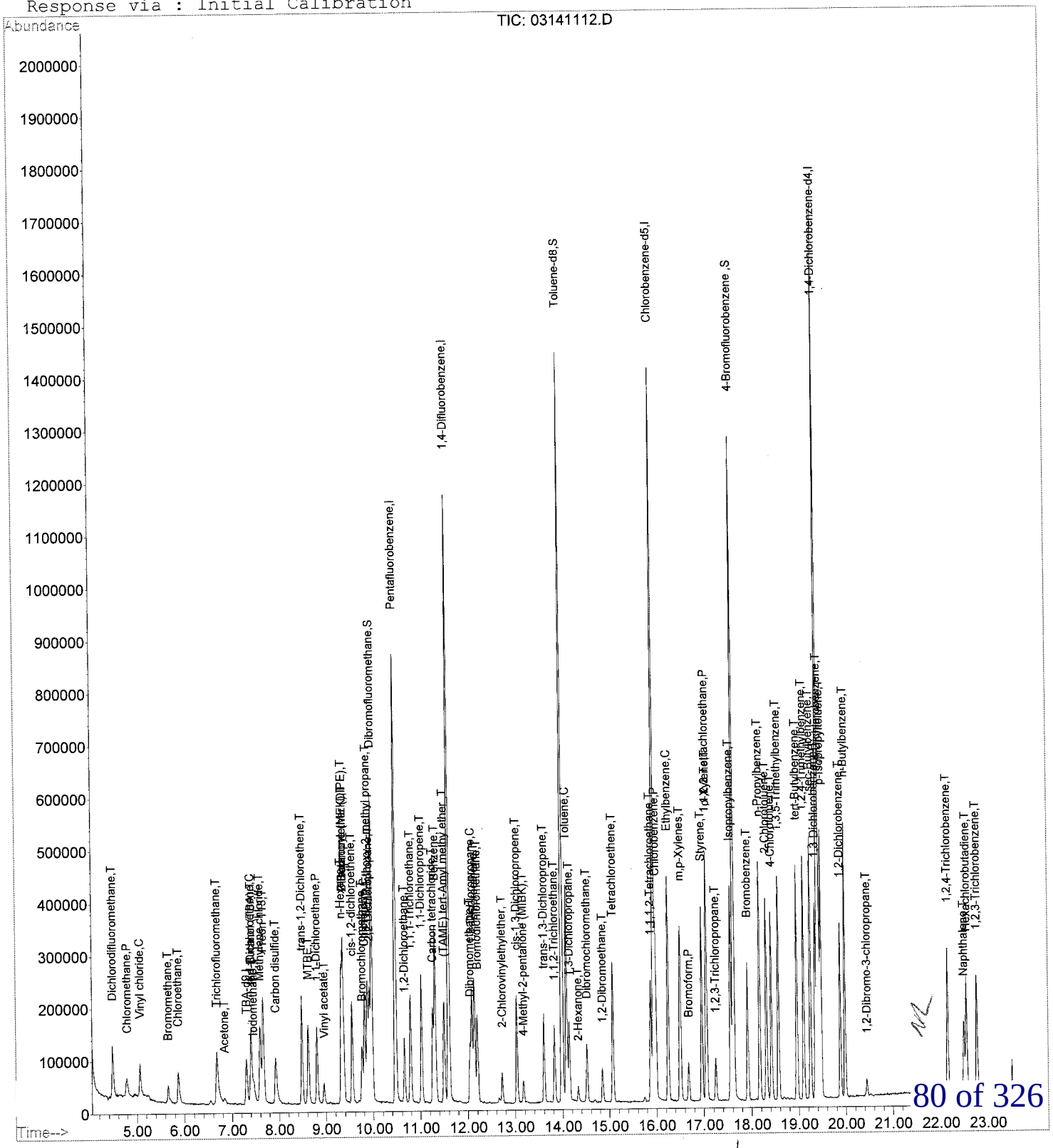
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
41)	2-Chlorovinylethylether	12.73	63	26466	5.78 ug/L		94
42)	cis-1,3-Dichloropropene	13.04	75	119204	5.57 ug/L		91
43)	4-Methyl-2-pentanone (MIBK	13.17	43	38199	4.91 ug/L		89
44)	trans-1,3-Dichloropropene	13.60	75	101199	5.98 ug/L		95
45)	1,1,2-Trichloroethane	13.82	97	54108	5.55 ug/L		96
47)	Toluene	14.08	92	199361	5.85 ug/L		100
49)	1,3-Dichloropropane	14.14	76	90676	4.87 ug/L		98
50)	2-Hexanone	14.33	43	27301	4.77 ug/L	#	92
51)	Dibromochloromethane	14.52	129	71389	5.82 ug/L		97
52)	1,2-Dibromoethane	14.85	107	54007	5.12 ug/L		97
53)	Tetrachloroethene	15.07	164	79084	5.52 ug/L		98
54)	1,1,1,2-Tetrachloroethane	15.88	131	78844	5.64 ug/L		94
55)	Chlorobenzene	15.99	112	203846	5.02 ug/L		96
56)	Ethylbenzene	16.25	91	375480	5.46 ug/L		98
57)	m,p-Xylenes	16.51	106	132725	5.29 ug/L		97
58)	Styrene	16.96	104	206281	5.53 ug/L		98
59)	o-Xylene	17.06	106	132259	5.44 ug/L		98
62)	Bromoform	16.68	173	44364	5.40 ug/L		98
63)	1,1,2,2-Tetrachloroethane	17.05	83	50521	4.44 ug/L	#	98
64)	1,2,3-Trichloropropane	17.25	110	14617	4.79 ug/L		91
65)	Isopropylbenzene	17.56	105	331110	5.11 ug/L		97
66)	Bromobenzene	17.92	156	90165	4.89 ug/L		99
67)	n-Propylbenzene	18.17	91	437726	5.05 ug/L		99
68)	2-Chlorotoluene	18.31	91	274225	5.03 ug/L		97
69)	4-Chlorotoluene	18.42	91	277598	5.12 ug/L		98
70)	1,3,5-Trimethylbenzene	18.57	105	298450	5.14 ug/L		97
71)	tert-Butylbenzene	18.96	119	239158	5.15 ug/L		96
72)	1,2,4-Trimethylbenzene	19.11	105	302101	5.23 ug/L		97
73)	sec-Butylbenzene	19.25	105	390838	5.17 ug/L		100
74)	1,3-Dichlorobenzene	19.35	146	169519	5.02 ug/L		99
75)	1,4-Dichlorobenzene	19.43	146	161637	4.87 ug/L		95
76)	p-Isopropyltoluene	19.48	119	310372	5.23 ug/L		99
77)	1,2-Dichlorobenzene	19.88	146	145493	4.95 ug/L		99
78)	n-Butylbenzene	19.98	91	314041	5.12 ug/L		99
79)	1,2-Dibromo-3-chloropropan	20.45	75	8572	4.47 ug/L		95
80)	1,2,4-Trichlorobenzene	22.15	180	108929	5.10 ug/L		99
81)	Naphthalene	22.50	128	128076	4.62 ug/L		99
82)	Hexachlorobutadiene	22.55	225	59115	5.30 ug/L		97
83)	1,2,3-Trichlorobenzene	22.76	180	91278	5.22 ug/L		99

(#) = qualifier out of range (m) = manual integration
03141112.D 030211.M Mon Mar 14 16:00:49 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D Vial: 9
Acq On : 14 Mar 2011 12:47 pm Operator: NL
Sample : 5.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:00 2011 Quant Results File: 030211.RES

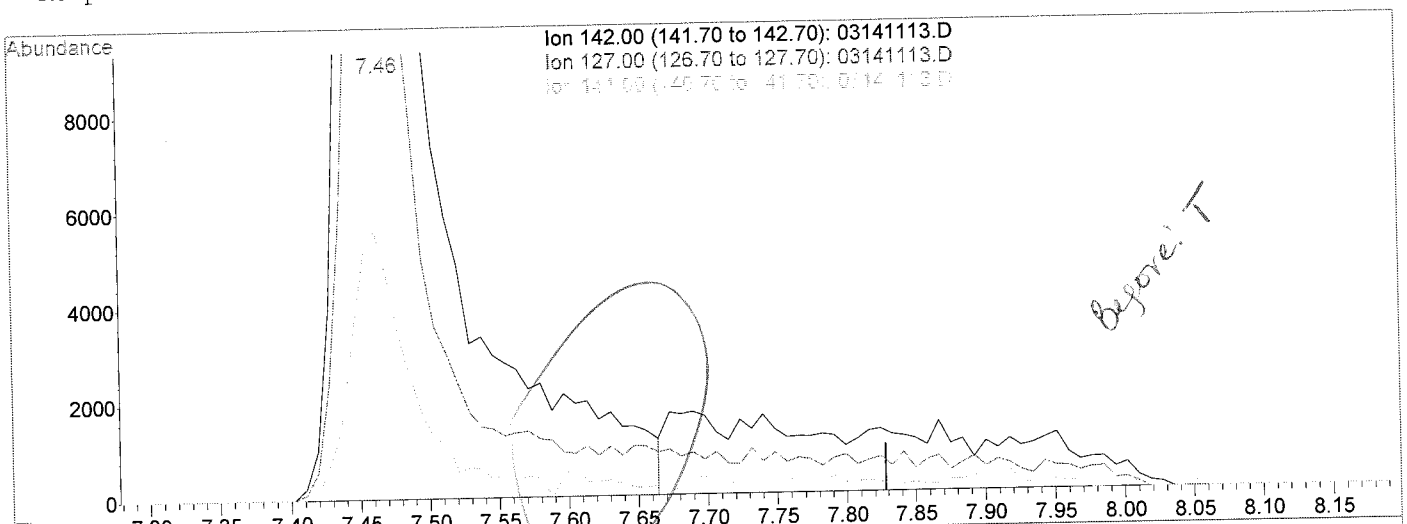
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration

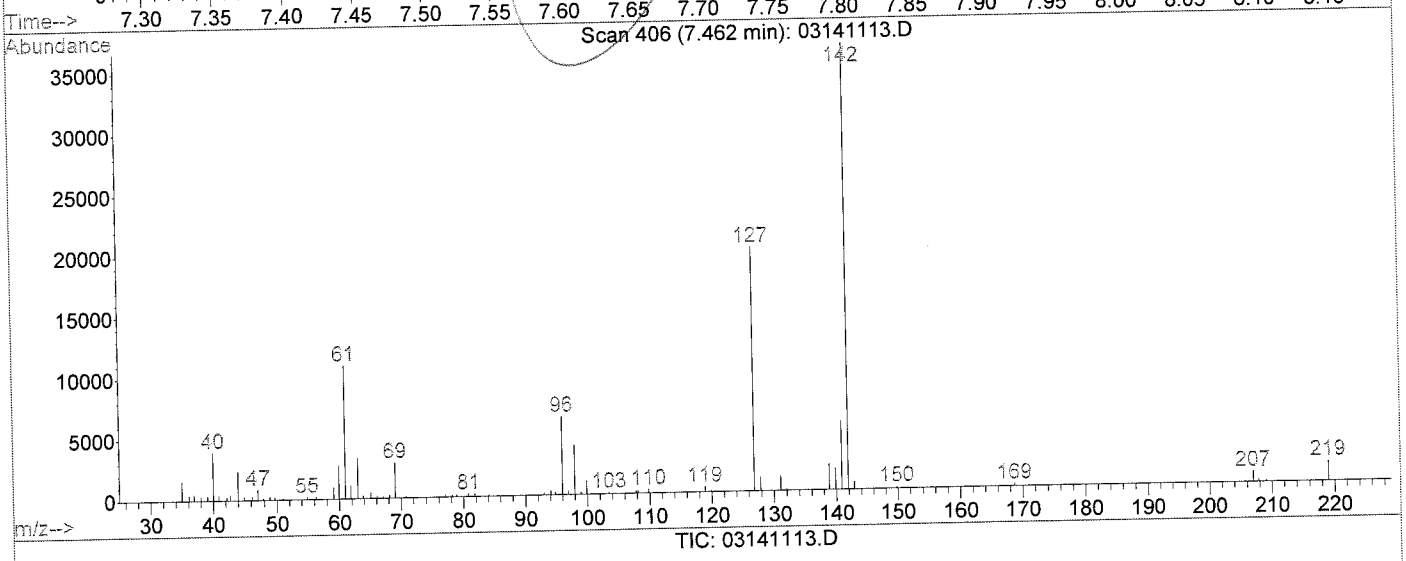


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D Vial: 10
Acq On : 14 Mar 2011 1:20 pm Operator: NL
Sample : 10 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:00 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(12) Iodomethane (T)

7.46min 6.95ug/L

response 122310

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	49.71
141.00	14.20	14.45
0.00	0.00	0.00

NL 3/15/11

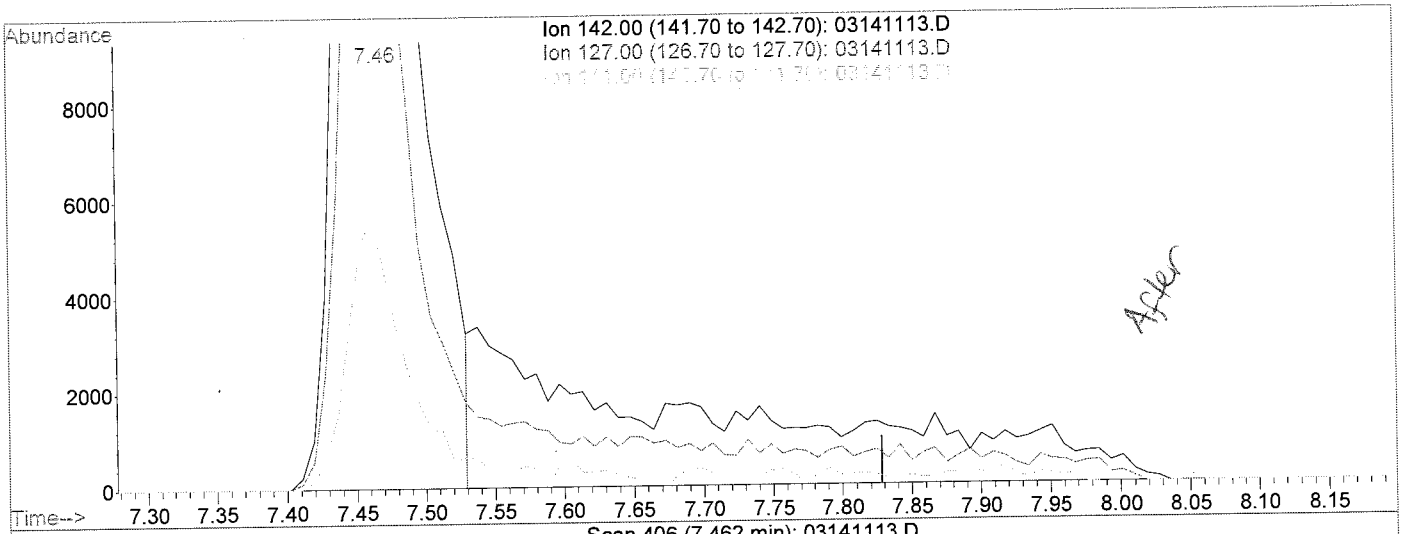
03141113.D 030211.M Mon Mar 14 16:01:50 2011

NL 3/16/11

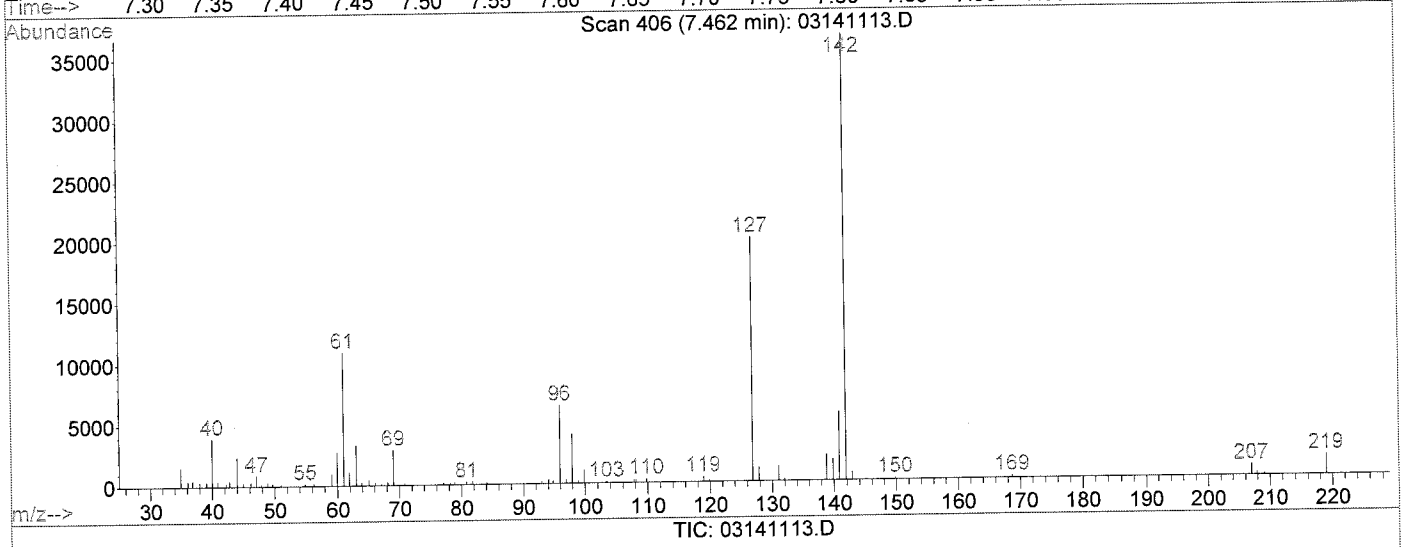
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D Vial: 10
Acq On : 14 Mar 2011 1:20 pm Operator: NL
Sample : 10 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:01 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration



After



(12) Iodomethane (T)

7.46min 6.14ug/L m

response 105588

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	57.59#
141.00	14.20	16.74
0.00	0.00	0.00

NL

03141113.D 030211.M Mon Mar 14 16:01:59 2011

NL

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D Vial: 10
Acq On : 14 Mar 2011 1:20 pm Operator: NL
Sample : 10 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:01 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	121672	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	680553	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	990904	25.00 ug/L	-0.02
48) Chlorobenzene-d5	15.94	117	886454	25.00 ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	498107	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	387358	23.65 ug/L	0.00
Spiked Amount 25.000			Recovery =	94.60%	
46) Toluene-d8	13.98	98	1085476	25.38 ug/L	-0.02
Spiked Amount 25.000			Recovery =	101.52%	
60) 4-Bromofluorobenzene	17.62	95	506702	28.47 ug/L	-0.03
Spiked Amount 25.000			Recovery =	113.88%	

Target Compounds					Qvalue
2) Ethanol	5.91	45	4627	44.41 ug/L	81
3) tert-Butanol (TBA)	7.41	59	30667	34.20 ug/L	100
5) Dichlorodifluoromethane	4.47	85	254774	9.62 ug/L	98
6) Chloromethane	4.78	50	111149	4.70 ug/L	99
7) Vinyl chloride	5.07	62	149783	9.29 ug/L	99
8) Bromomethane	5.66	94	81773	5.02 ug/L	93
9) Chloroethane	5.87	64	127744	8.45 ug/L	97
10) Trichlorofluoromethane	6.68	101	320107	11.01 ug/L	99
11) Acetone	6.84	43	36973	10.20 ug/L	93
12) Iodomethane	7.46	142	105588m	6.14 ug/L	
13) 1,1-Dichloroethene	7.40	96	156175	9.61 ug/L	96
14) Methylene chloride	7.60	84	184639	9.37 ug/L	99
15) Freon 113	7.66	101	208108	10.73 ug/L	97
16) Carbon disulfide	7.93	76	409293	8.63 ug/L	95
17) trans-1,2-Dichloroethene	8.48	96	178040	9.96 ug/L	99
18) MTBE	8.62	73	327729	10.83 ug/L	97
19) 1,1-Dichloroethane	8.80	63	330736	9.57 ug/L	100
20) Vinyl acetate	8.96	43	138536	9.26 ug/L	97
21) n-Hexane	9.32	86	33121	8.88 ug/L	91
22) 2-Butanone (MEK)	9.36	72	8276	8.83 ug/L #	79
23) Diisopropylether (DIPE)	9.36	45	611543	9.93 ug/L	99
24) cis-1,2-dichloroethene	9.55	96	186765	9.68 ug/L	98
25) Bromochloromethane	9.75	128	65254	8.85 ug/L	93
26) Chloroform	9.82	83	355172	10.61 ug/L	99
27) 2,2-Dichloropropane	9.92	77	272023	10.52 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	457480	10.59 ug/L	98
30) 1,2-Dichloroethane	10.66	62	224339	11.25 ug/L	96
31) 1,1,1-Trichloroethane	10.79	97	314611	11.72 ug/L	98
32) (TAME) tert-Amyl methy eth	11.50	73	323985	10.56 ug/L	97
34) 1,1-Dichloropropene	11.02	75	247344	11.57 ug/L	100
35) Carbon tetrachloride	11.27	117	261815	15.13 ug/L	98
36) Benzene	11.32	78	622055	10.73 ug/L	95
37) Dibromomethane	12.04	93	94003	11.46 ug/L	97
38) 1,2-Dichloropropane	12.09	63	157971	10.42 ug/L	85
39) Trichloroethene	12.14	95	189219	11.48 ug/L	98
40) Bromodichloromethane	12.20	83	247108	12.62 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141113.D 030211.M Mon Mar 14 16:02:46 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D Vial: 10
Acq On : 14 Mar 2011 1:20 pm Operator: NL
Sample : 10 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:01 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

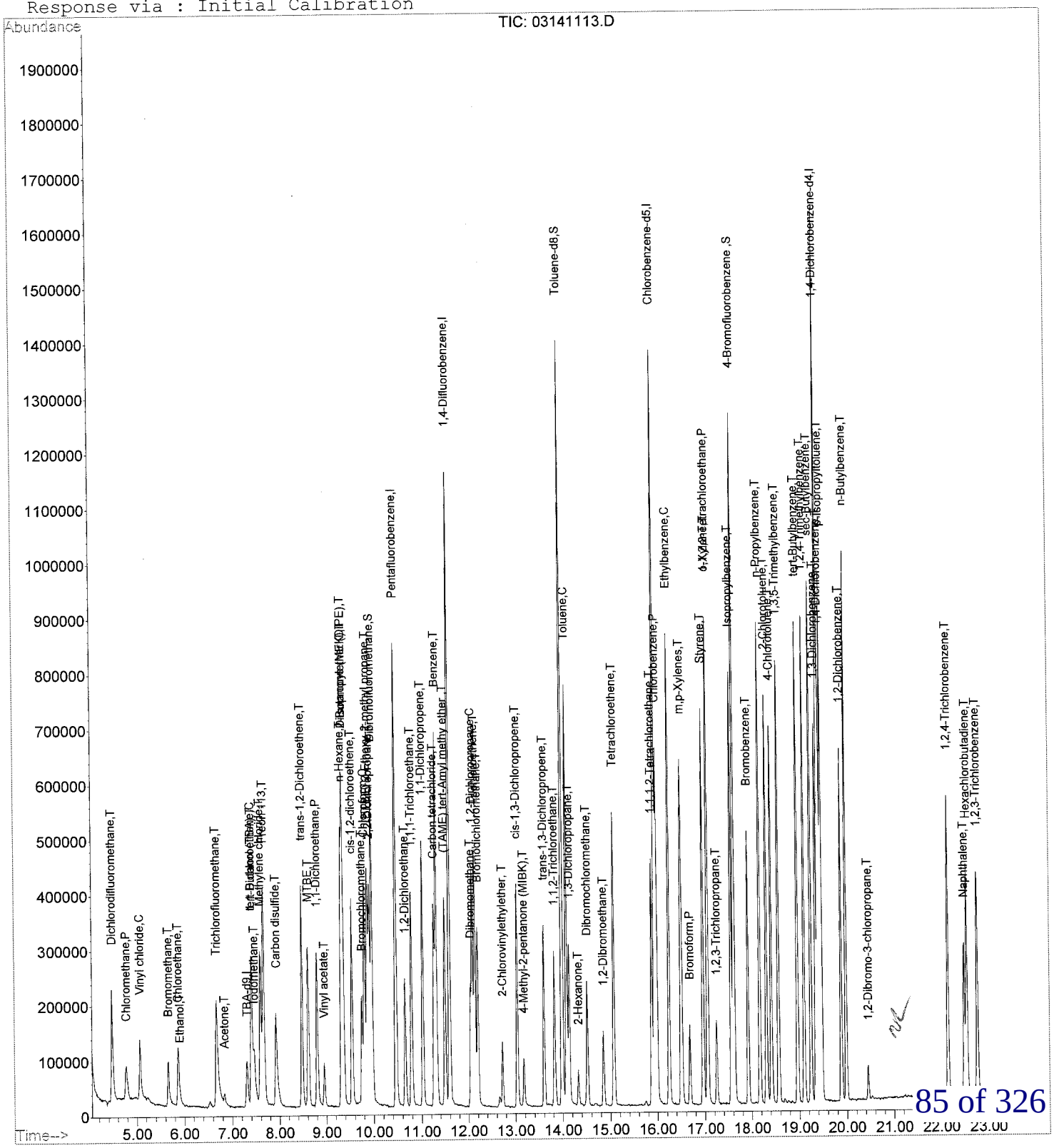
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	50002	11.14 ug/L	98
42) cis-1,3-Dichloropropene	13.04	75	238711	11.38 ug/L	92
43) 4-Methyl-2-pentanone (MIBK	13.17	43	76397	10.00 ug/L	99
44) trans-1,3-Dichloropropene	13.60	75	195861	11.80 ug/L	95
45) 1,1,2-Trichloroethane	13.82	97	103802	10.85 ug/L	95
47) Toluene	14.09	92	375313	11.23 ug/L	99
49) 1,3-Dichloropropane	14.14	76	182860	10.10 ug/L	98
50) 2-Hexanone	14.33	43	54589	9.82 ug/L #	95
51) Dibromochloromethane	14.52	129	139580	11.71 ug/L	99
52) 1,2-Dibromoethane	14.85	107	108836	10.63 ug/L	96
53) Tetrachloroethene	15.07	164	157099	11.29 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.88	131	149245	10.99 ug/L	98
55) Chlorobenzene	15.99	112	405351	10.27 ug/L	98
56) Ethylbenzene	16.25	91	746081	11.17 ug/L	99
57) m,p-Xylenes	16.51	106	253576	10.41 ug/L	96
58) Styrene	16.96	104	408768	11.28 ug/L	98
59) o-Xylene	17.06	106	248748	10.54 ug/L	97
62) Bromoform	16.68	173	86121	10.79 ug/L	100
63) 1,1,2,2-Tetrachloroethane	17.05	83	96091	8.69 ug/L #	95
64) 1,2,3-Trichloropropane	17.25	110	27697	9.35 ug/L	98
65) Isopropylbenzene	17.56	105	633243	10.06 ug/L	98
66) Bromobenzene	17.92	156	172236	9.61 ug/L	98
67) n-Propylbenzene	18.17	91	843092	10.02 ug/L	98
68) 2-Chlorotoluene	18.31	91	518833	9.81 ug/L	98
69) 4-Chlorotoluene	18.42	91	529134	10.04 ug/L	99
70) 1,3,5-Trimethylbenzene	18.57	105	573396	10.18 ug/L	97
71) tert-Butylbenzene	18.96	119	476953	10.57 ug/L	96
72) 1,2,4-Trimethylbenzene	19.11	105	577391	10.29 ug/L	96
73) sec-Butylbenzene	19.25	105	756258	10.31 ug/L	99
74) 1,3-Dichlorobenzene	19.35	146	314324	9.59 ug/L	99
75) 1,4-Dichlorobenzene	19.44	146	313167	9.72 ug/L	97
76) p-Isopropyltoluene	19.48	119	589595	10.23 ug/L	97
77) 1,2-Dichlorobenzene	19.88	146	272160	9.53 ug/L	97
78) n-Butylbenzene	19.98	91	601142	10.09 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.45	75	17017	9.14 ug/L	91
80) 1,2,4-Trichlorobenzene	22.15	180	221792	10.68 ug/L	98
81) Naphthalene	22.50	128	266292	9.88 ug/L	99
82) Hexachlorobutadiene	22.55	225	117030	10.80 ug/L	97
83) 1,2,3-Trichlorobenzene	22.76	180	177438	10.44 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141113.D 030211.M Mon Mar 14 16:02:47 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D Vial: 10
Acq On : 14 Mar 2011 1:20 pm Operator: NL
Sample : 10 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:01 2011 Quant Results File: 030211.RES

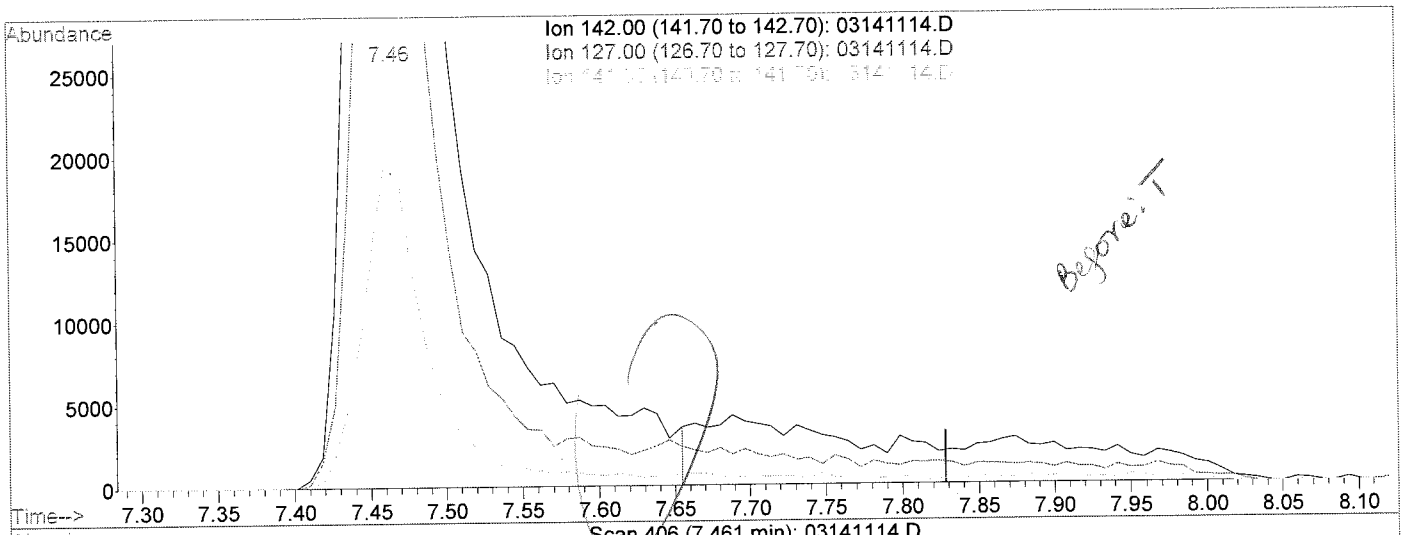
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration

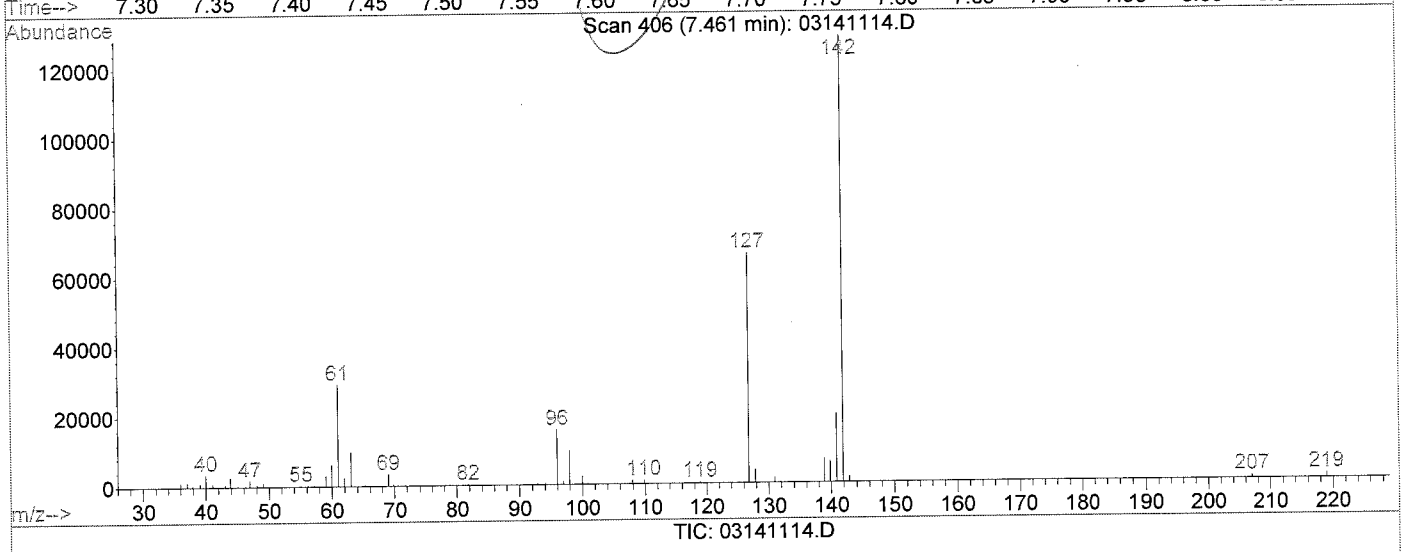


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:03 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





TIC: 03141114.D

(12) Iodomethane (T)

7.46min 20.26ug/L

response 407581

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	51.12
141.00	14.20	14.93
0.00	0.00	0.00

NL 3/15/11

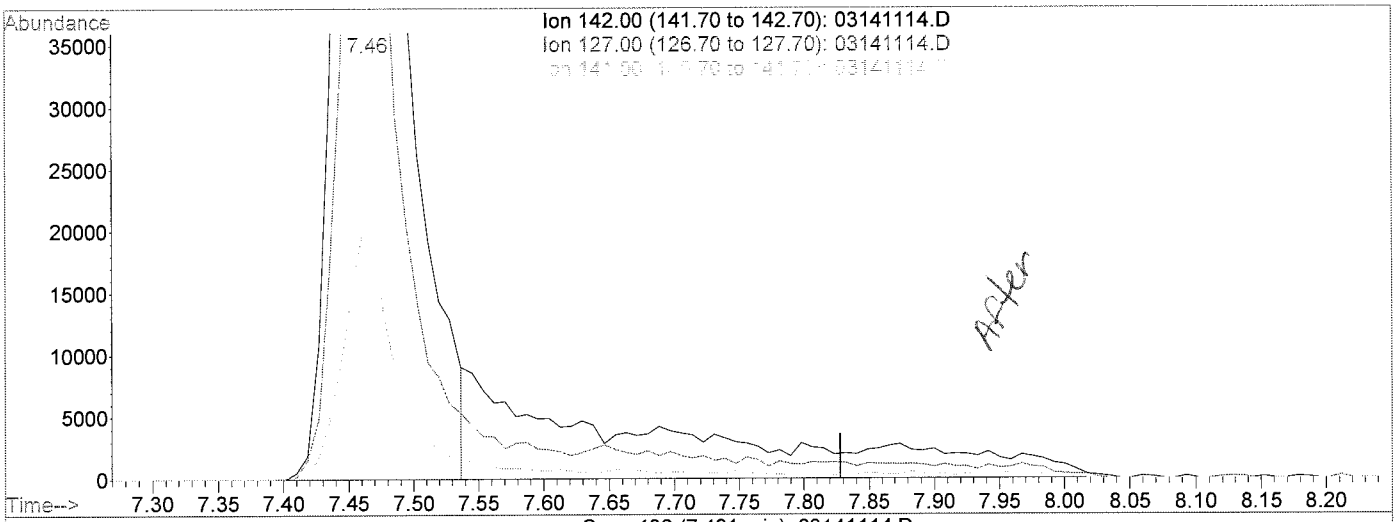
03141114.D 030211.M Mon Mar 14 16:03:37 2011

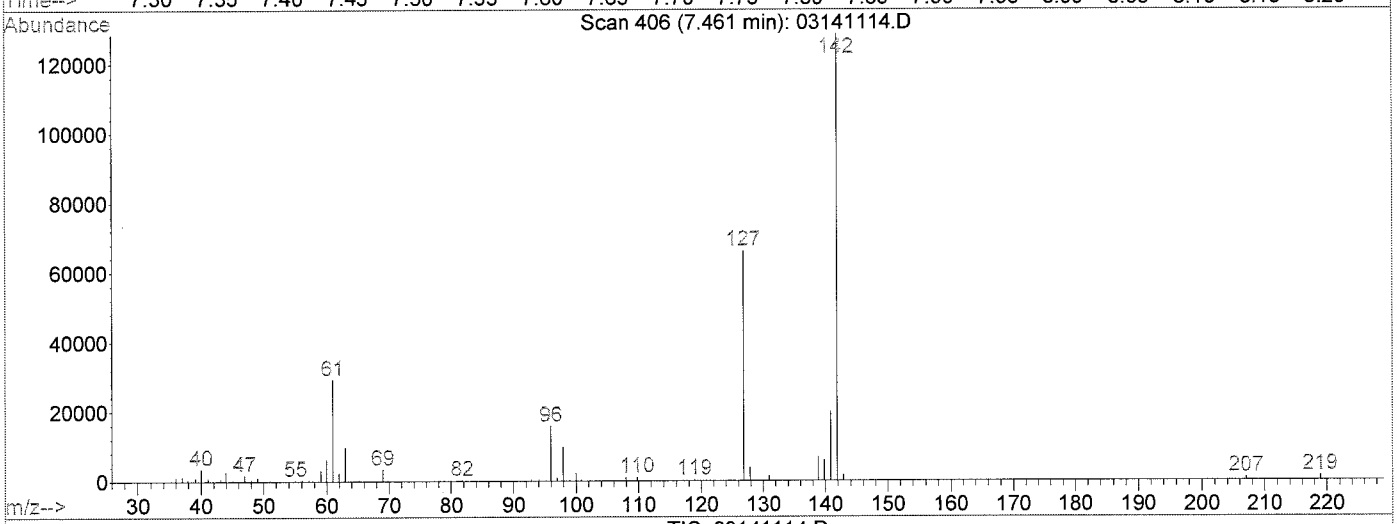
4/6/4

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:04 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(12) Iodomethane (T)

7.46min 18.54ug/L m

response 371161

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	56.13#
141.00	14.20	16.40
0.00	0.00	0.00

NL

03141114.D 030211.M Mon Mar 14 16:04:30 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:04 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	125792	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	699455	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1014981	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	936018	25.00 ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.41	152	492554	25.00 ug/L	-0.02
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	404401	24.03 ug/L	0.00
Spiked Amount 25.000			Recovery =	96.12%	
46) Toluene-d8	13.99	98	1134687	25.90 ug/L	0.00
Spiked Amount 25.000			Recovery =	103.60%	
60) 4-Bromofluorobenzene	17.62	95	508378	27.05 ug/L	-0.03
Spiked Amount 25.000			Recovery =	108.20%	

Target Compounds					Qvalue
2) Ethanol	5.90	45	12783	118.68 ug/L	96
3) tert-Butanol (TBA)	7.42	59	75663	81.61 ug/L	96
5) Dichlorodifluoromethane	4.47	85	641544	23.58 ug/L	100
6) Chloromethane	4.78	50	312927	12.86 ug/L	98
7) Vinyl chloride	5.06	62	377531	22.77 ug/L	99
8) Bromomethane	5.66	94	293535	15.31 ug/L	94
9) Chloroethane	5.87	64	329027	21.17 ug/L	98
10) Trichlorofluoromethane	6.68	101	809245	27.08 ug/L	99
11) Acetone	6.83	43	75063	20.15 ug/L	96
12) Iodomethane	7.46	142	371161m	18.54 ug/L	
13) 1,1-Dichloroethene	7.41	96	390447	23.38 ug/L	94
14) Methylene chloride	7.60	84	452050	22.32 ug/L	100
15) Freon 113	7.66	101	515908	25.89 ug/L	96
16) Carbon disulfide	7.92	76	1011118	21.09 ug/L	96
17) trans-1,2-Dichloroethene	8.48	96	437012	23.79 ug/L	99
18) MTBE	8.62	73	831849	26.75 ug/L	98
19) 1,1-Dichloroethane	8.81	63	834894	23.50 ug/L	99
20) Vinyl acetate	8.95	43	415505	27.02 ug/L	100
21) n-Hexane	9.33	86	84809	22.11 ug/L	89
22) 2-Butanone (MEK)	9.34	72	21512	22.34 ug/L #	87
23) Diisopropylether (DIPE)	9.36	45	1566191	24.75 ug/L	99
24) cis-1,2-dichloroethene	9.54	96	479600	24.19 ug/L	98
25) Bromochloromethane	9.76	128	170713	22.53 ug/L	90
26) Chloroform	9.81	83	878352	25.52 ug/L	99
27) 2,2-Dichloropropane	9.92	77	693793	26.10 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	1208030	27.22 ug/L	99
30) 1,2-Dichloroethane	10.66	62	568789	27.75 ug/L	96
31) 1,1,1-Trichloroethane	10.79	97	788548	28.57 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	842890	26.73 ug/L	97
34) 1,1-Dichloropropene	11.03	75	608213	27.76 ug/L	99
35) Carbon tetrachloride	11.27	117	656950	36.35 ug/L	99
36) Benzene	11.32	78	1508513	25.40 ug/L	96
37) Dibromomethane	12.05	93	233206	27.75 ug/L	95
38) 1,2-Dichloropropane	12.09	63	391394	25.21 ug/L #	83
39) Trichloroethene	12.14	95	480291	28.46 ug/L	97
40) Bromodichloromethane	12.20	83	613515	30.60 ug/L	100

(#) = qualifier out of range (m) = manual integration
03141114.D 030211.M Mon Mar 14 16:05:06 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:04 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

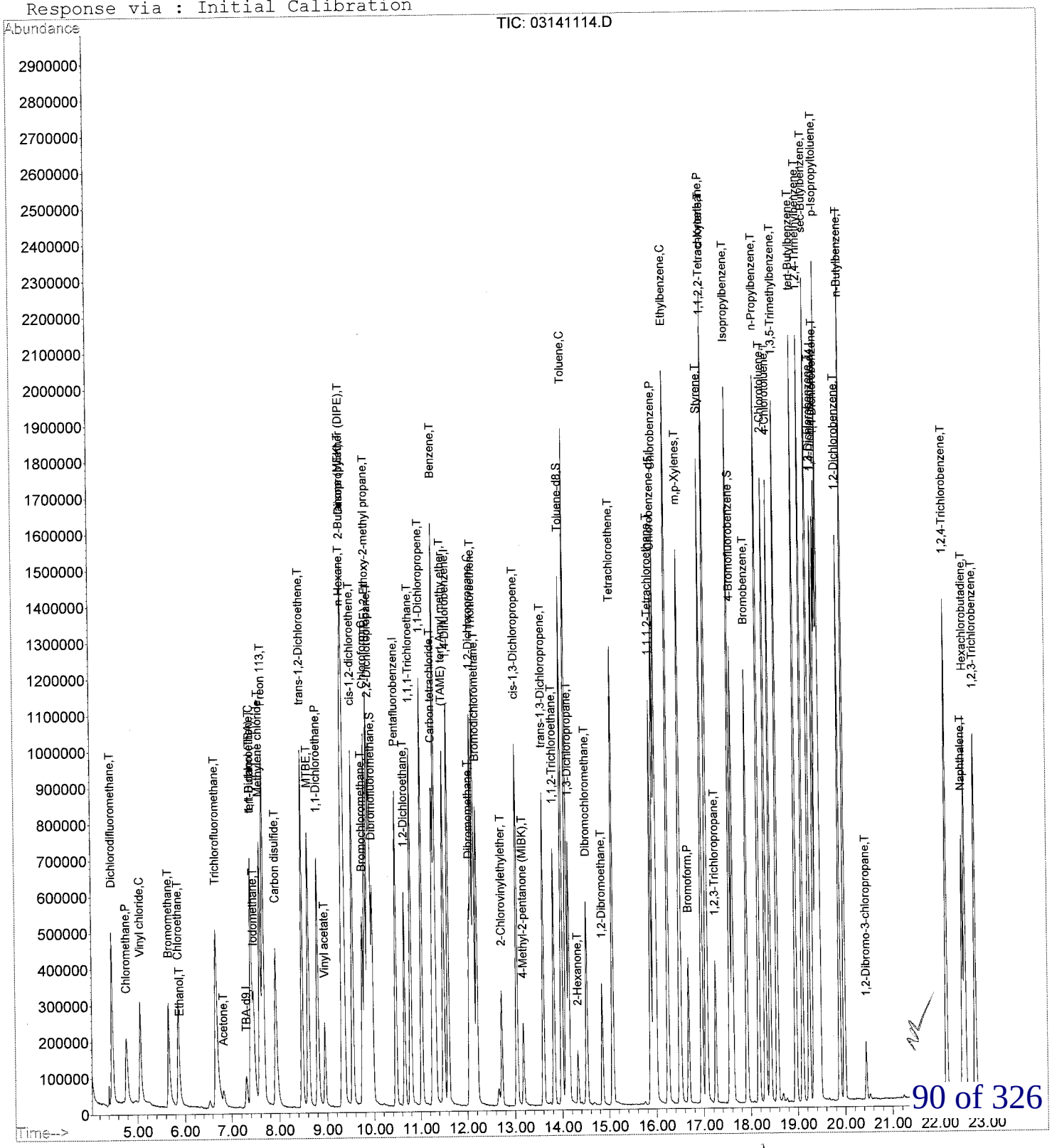
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	137088	29.82 ug/L	96
42) cis-1,3-Dichloropropene	13.04	75	607840	28.28 ug/L	93
43) 4-Methyl-2-pentanone (MIBK	13.17	43	203600	26.03 ug/L	96
44) trans-1,3-Dichloropropene	13.60	75	511251	30.06 ug/L	96
45) 1,1,2-Trichloroethane	13.82	97	262319	26.77 ug/L	94
47) Toluene	14.08	92	933074	27.27 ug/L	99
49) 1,3-Dichloropropane	14.14	76	441640	23.11 ug/L	98
50) 2-Hexanone	14.33	43	131540	22.41 ug/L	98
51) Dibromochloromethane	14.52	129	360432	28.63 ug/L	100
52) 1,2-Dibromoethane	14.85	107	270589	25.03 ug/L	97
53) Tetrachloroethene	15.08	164	379594	25.83 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.88	131	376298	26.23 ug/L	98
55) Chlorobenzene	15.99	112	1006476	24.15 ug/L	99
56) Ethylbenzene	16.24	91	1857231	26.33 ug/L	99
57) m,p-Xylenes	16.51	106	628744	24.45 ug/L	95
58) Styrene	16.96	104	1001976	26.18 ug/L	98
59) o-Xylene	17.06	106	605795	24.30 ug/L	95
62) Bromoform	16.68	173	233549	29.58 ug/L	98
63) 1,1,2,2-Tetrachloroethane	17.05	83	245970	22.48 ug/L	98
64) 1,2,3-Trichloropropane	17.25	110	70464	24.06 ug/L	96
65) Isopropylbenzene	17.56	105	1606150	25.80 ug/L	98
66) Bromobenzene	17.92	156	438696	24.76 ug/L	98
67) n-Propylbenzene	18.17	91	2037149	24.48 ug/L	99
68) 2-Chlorotoluene	18.31	91	1271930	24.32 ug/L	98
69) 4-Chlorotoluene	18.42	91	1278020	24.52 ug/L	99
70) 1,3,5-Trimethylbenzene	18.57	105	1397804	25.08 ug/L	95
71) tert-Butylbenzene	18.96	119	1141649	25.58 ug/L	97
72) 1,2,4-Trimethylbenzene	19.11	105	1421815	25.62 ug/L	96
73) sec-Butylbenzene	19.25	105	1824073	25.14 ug/L	100
74) 1,3-Dichlorobenzene	19.36	146	756893	23.35 ug/L	98
75) 1,4-Dichlorobenzene	19.44	146	756886	23.75 ug/L	98
76) p-Isopropyltoluene	19.48	119	1459478	25.61 ug/L	97
77) 1,2-Dichlorobenzene	19.88	146	683579	24.20 ug/L	99
78) n-Butylbenzene	19.98	91	1484636	25.19 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.45	75	41975	22.80 ug/L	99
80) 1,2,4-Trichlorobenzene	22.15	180	566108	27.58 ug/L	100
81) Naphthalene	22.50	128	700850	26.30 ug/L	100
82) Hexachlorobutadiene	22.55	225	304001	28.38 ug/L	99
83) 1,2,3-Trichlorobenzene	22.77	180	451962	26.89 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141114.D 030211.M Mon Mar 14 16:05:06 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:04 2011 Quant Results File: 030211.RES

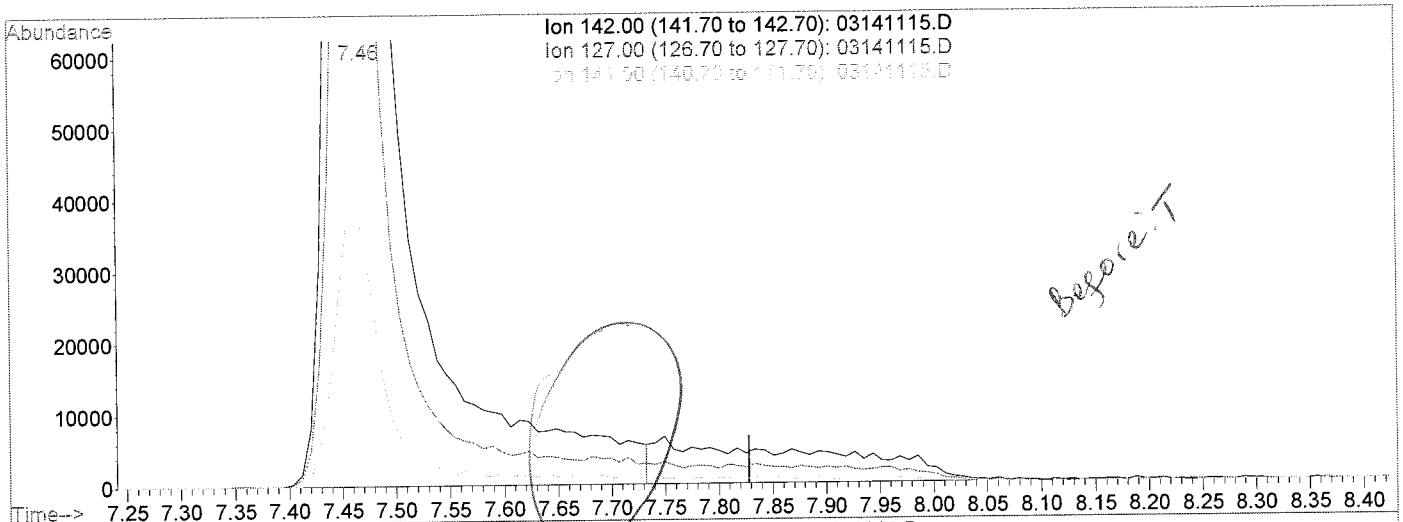
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration

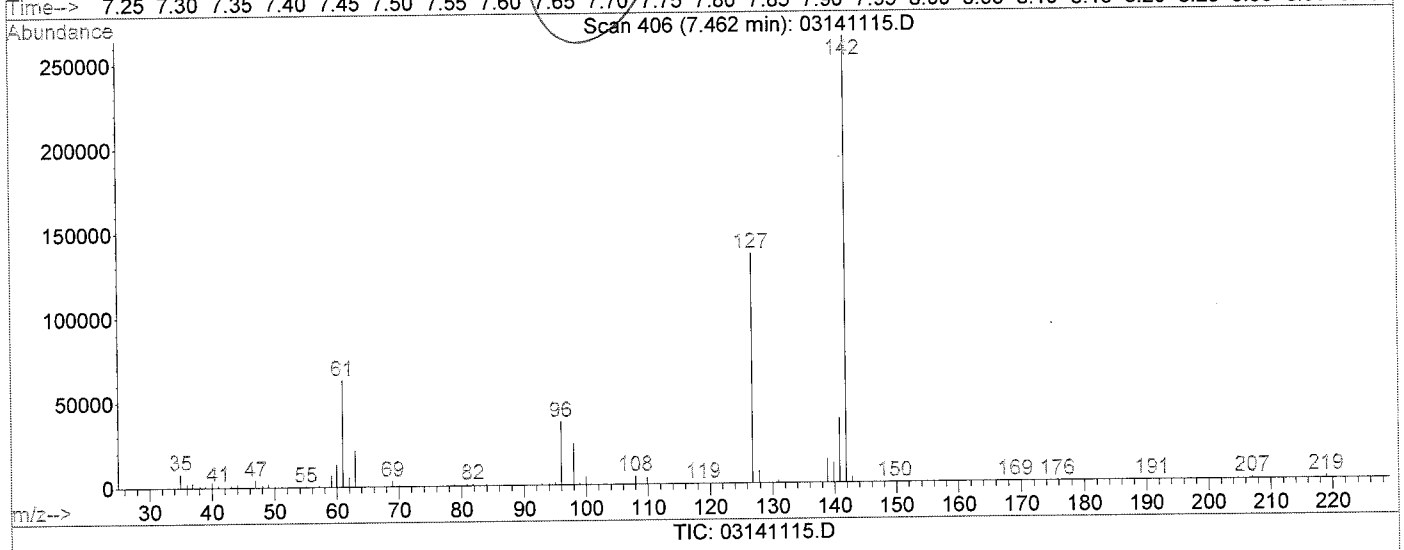


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:05 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





TIC: 03141115.D

(12) Iodomethane (T)

7.46min 43.72ug/L

response 867752

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	50.14
141.00	14.20	13.72
0.00	0.00	0.00

NL 3/15/11

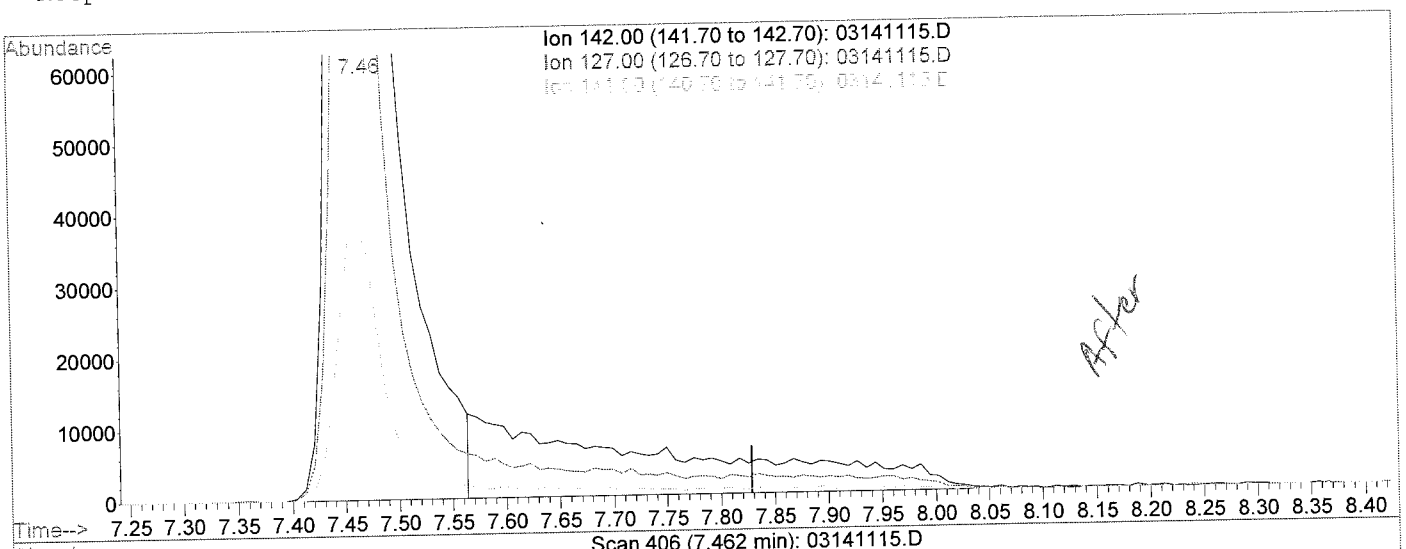
03141115.D 030211.M Mon Mar 14 16:05:30 2011

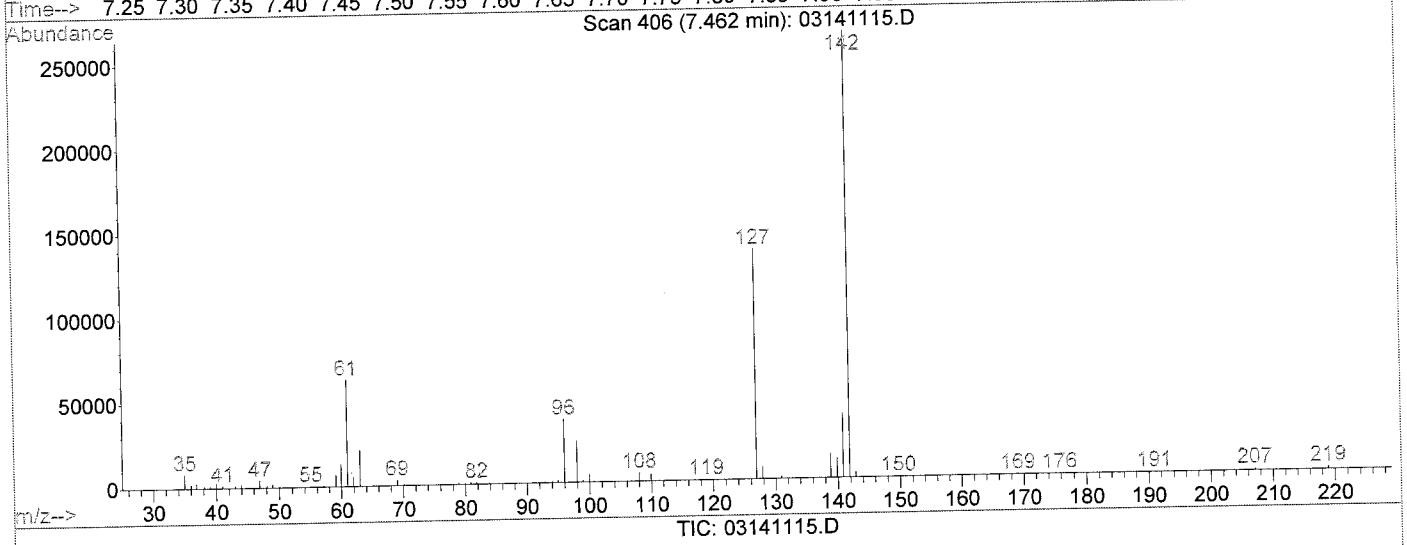
M 4/14/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:05 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





TIC: 03141115.D

(12) Iodomethane (T)

7.46min 39.84ug/L m

response 788912

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	55.15#
141.00	14.20	15.09
0.00	0.00	0.00

NL

03141115.D 030211.M Mon Mar 14 16:05:38 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:05 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	129547	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	670991	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	997408	25.00 ug/L	-0.02
48) Chlorobenzene-d5	15.95	117	901010	25.00 ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.41	152	492423	25.00 ug/L	-0.02
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	393722	24.39 ug/L	0.00
Spiked Amount 25.000			Recovery	= 97.56%	
46) Toluene-d8	13.99	98	1093905	25.41 ug/L	-0.02
Spiked Amount 25.000			Recovery	= 101.64%	
60) 4-Bromofluorobenzene	17.62	95	493360	27.27 ug/L	-0.02
Spiked Amount 25.000			Recovery	= 109.08%	

Target Compounds					Qvalue
2) Ethanol	5.90	45	28140	253.68 ug/L	90
3) tert-Butanol (TBA)	7.41	59	168991	176.99 ug/L	98
5) Dichlorodifluoromethane	4.48	85	1268670	48.60 ug/L	100
6) Chloromethane	4.77	50	648190	27.77 ug/L	97
7) Vinyl chloride	5.06	62	751169	47.23 ug/L	100
8) Bromomethane	5.66	94	677359	35.56 ug/L	100
9) Chloroethane	5.87	64	623605	41.83 ug/L	97
10) Trichlorofluoromethane	6.68	101	1569660	54.75 ug/L	99
11) Acetone	6.83	43	161282	45.14 ug/L	94
12) Iodomethane	7.46	142	788912m	39.84 ug/L	
13) 1,1-Dichloroethene	7.40	96	776665	48.48 ug/L	96
14) Methylene chloride	7.60	84	878981	45.24 ug/L	100
15) Freon 113	7.66	101	1003135	52.48 ug/L	97
16) Carbon disulfide	7.93	76	1987367	43.47 ug/L	96
17) trans-1,2-Dichloroethene	8.48	96	870839	49.42 ug/L	98
18) MTBE	8.62	73	1655128	55.47 ug/L	97
19) 1,1-Dichloroethane	8.80	63	1598093	46.89 ug/L	99
20) Vinyl acetate	8.96	43	807302	54.72 ug/L	99
21) n-Hexane	9.33	86	160622	43.66 ug/L	93
22) 2-Butanone (MEK)	9.34	72	42923	46.47 ug/L #	100
23) Diisopropylether (DIPE)	9.36	45	3035894	50.02 ug/L	98
24) cis-1,2-dichloroethene	9.55	96	919113	48.32 ug/L	98
25) Bromochloromethane	9.76	128	330831	45.51 ug/L	89
26) Chloroform	9.82	83	1706643	51.69 ug/L	97
27) 2,2-Dichloropropane	9.92	77	1333015	52.27 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	2371842	55.71 ug/L	97
30) 1,2-Dichloroethane	10.66	62	1113207	56.61 ug/L	96
31) 1,1,1-Trichloroethane	10.80	97	1562600	59.02 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	1664448	55.02 ug/L	98
34) 1,1-Dichloropropene	11.03	75	1190399	55.30 ug/L	99
35) Carbon tetrachloride	11.27	117	1325694	74.14 ug/L	99
36) Benzene	11.32	78	3016498	51.69 ug/L	95
37) Dibromomethane	12.04	93	455004	55.09 ug/L	95
38) 1,2-Dichloropropane	12.09	63	756947	49.61 ug/L	85
39) Trichloroethene	12.15	95	914194	55.12 ug/L	98
40) Bromodichloromethane	12.20	83	1230941	62.48 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141115.D 030211.M Mon Mar 14 16:06:16 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:05 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

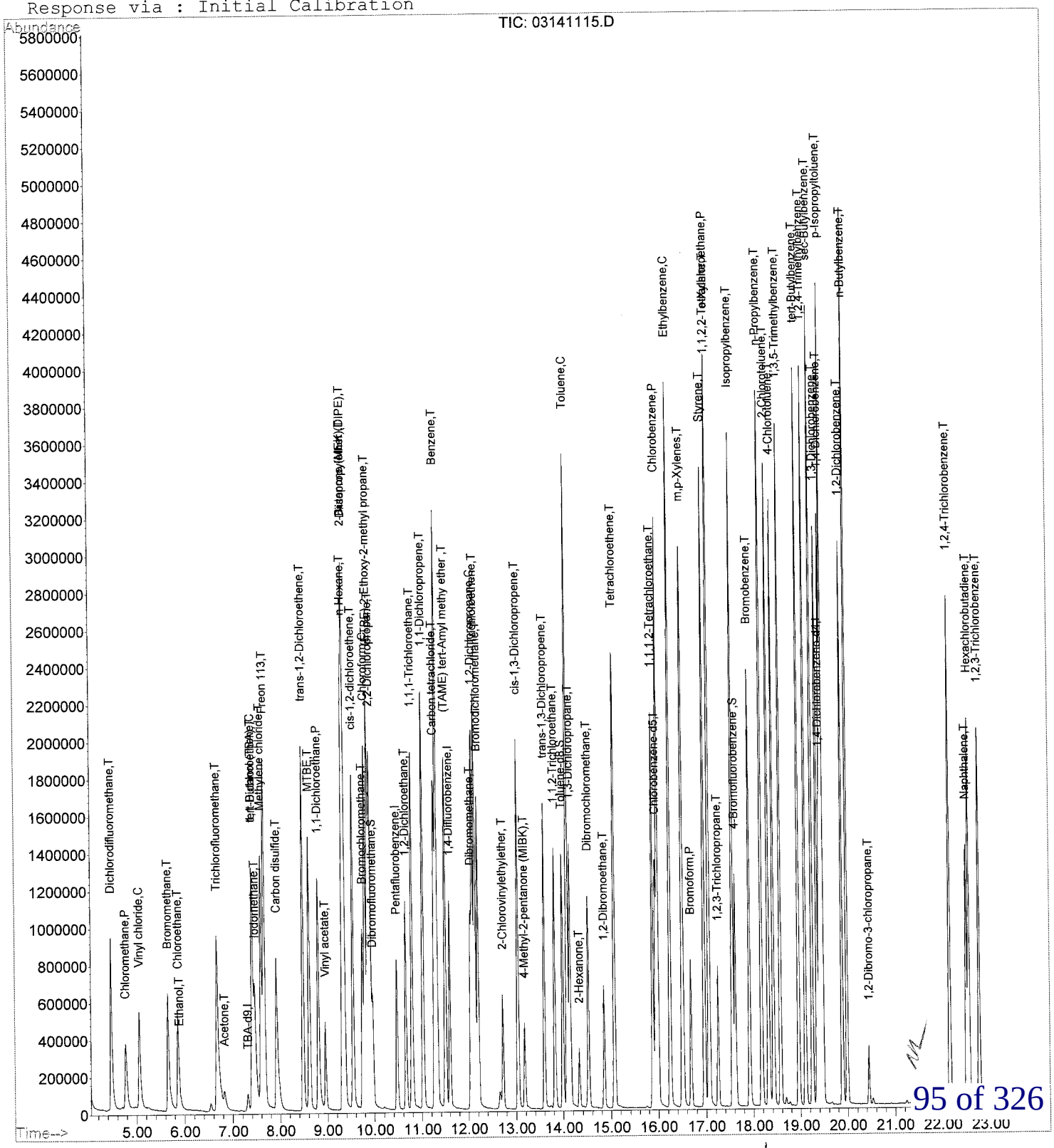
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	266778	59.06 ug/L	97
42) cis-1,3-Dichloropropene	13.04	75	1185095	56.11 ug/L	92
43) 4-Methyl-2-pentanone (MIBK	13.18	43	398644	51.85 ug/L	98
44) trans-1,3-Dichloropropene	13.61	75	1001184	59.90 ug/L	96
45) 1,1,2-Trichloroethane	13.82	97	514332	53.42 ug/L	95
47) Toluene	14.09	92	1779817	52.93 ug/L	100
49) 1,3-Dichloropropane	14.15	76	852950	46.36 ug/L	99
50) 2-Hexanone	14.33	43	268872	47.58 ug/L	98
51) Dibromochloromethane	14.52	129	714956	59.00 ug/L	100
52) 1,2-Dibromoethane	14.85	107	529074	50.85 ug/L	99
53) Tetrachloroethene	15.08	164	745600	52.70 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.88	131	735432	53.26 ug/L	97
55) Chlorobenzene	15.99	112	1983395	49.43 ug/L	100
56) Ethylbenzene	16.25	91	3510837	51.70 ug/L	99
57) m,p-Xylenes	16.51	106	1231716	49.76 ug/L	96
58) Styrene	16.96	104	1956092	53.10 ug/L	98
59) o-Xylene	17.07	106	1115033	46.47 ug/L	97
62) Bromoform	16.69	173	463856	58.76 ug/L	100
63) 1,1,2,2-Tetrachloroethane	17.05	83	450936	41.23 ug/L	98
64) 1,2,3-Trichloropropane	17.25	110	136352	46.56 ug/L	96
65) Isopropylbenzene	17.56	105	3017352	48.49 ug/L	98
66) Bromobenzene	17.93	156	844066	47.64 ug/L	97
67) n-Propylbenzene	18.17	91	3910942	47.01 ug/L	100
68) 2-Chlorotoluene	18.31	91	2486284	47.55 ug/L	98
69) 4-Chlorotoluene	18.42	91	2464331	47.30 ug/L	100
70) 1,3,5-Trimethylbenzene	18.58	105	2698442	48.44 ug/L	96
71) tert-Butylbenzene	18.96	119	2181767	48.90 ug/L	97
72) 1,2,4-Trimethylbenzene	19.11	105	2665132	48.03 ug/L	96
73) sec-Butylbenzene	19.25	105	3448685	47.54 ug/L	100
74) 1,3-Dichlorobenzene	19.36	146	1457934	44.99 ug/L	98
75) 1,4-Dichlorobenzene	19.44	146	1453388	45.62 ug/L	99
76) p-Isopropyltoluene	19.48	119	2797988	49.11 ug/L	97
77) 1,2-Dichlorobenzene	19.88	146	1316655	46.63 ug/L	99
78) n-Butylbenzene	19.98	91	2914423	49.46 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.45	75	85744	46.60 ug/L	97
80) 1,2,4-Trichlorobenzene	22.15	180	1130857	55.11 ug/L	99
81) Naphthalene	22.50	128	1372583	51.53 ug/L	98
82) Hexachlorobutadiene	22.55	225	587184	54.83 ug/L	98
83) 1,2,3-Trichlorobenzene	22.77	180	898332	53.46 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141115.D 030211.M Mon Mar 14 16:06:17 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:05 2011 Quant Results File: 030211.RES

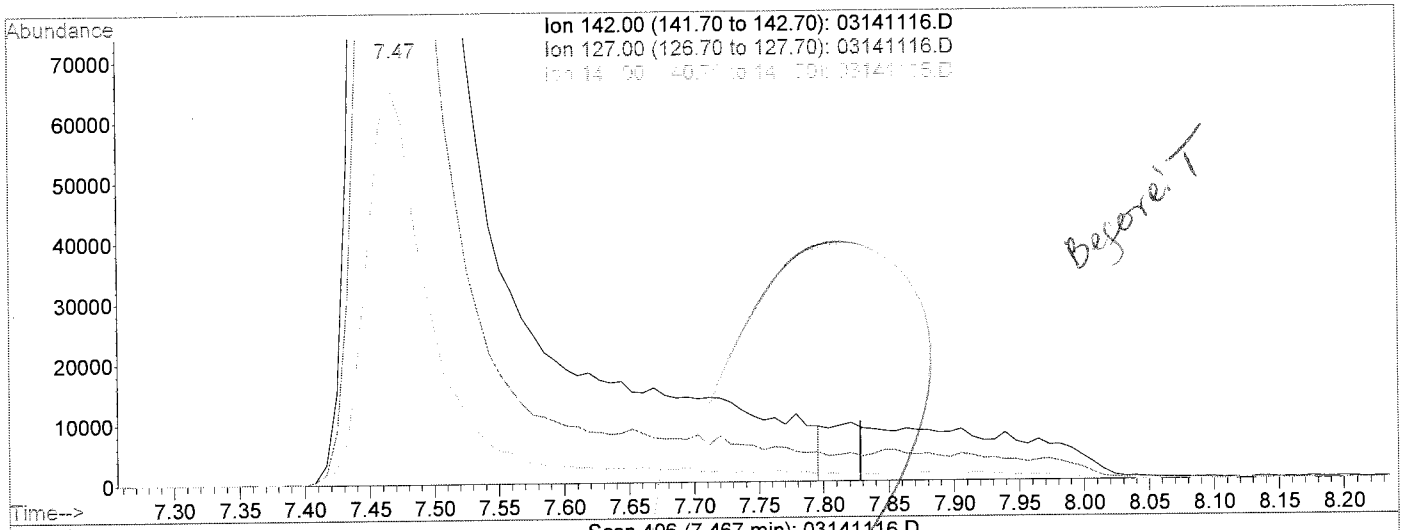
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration

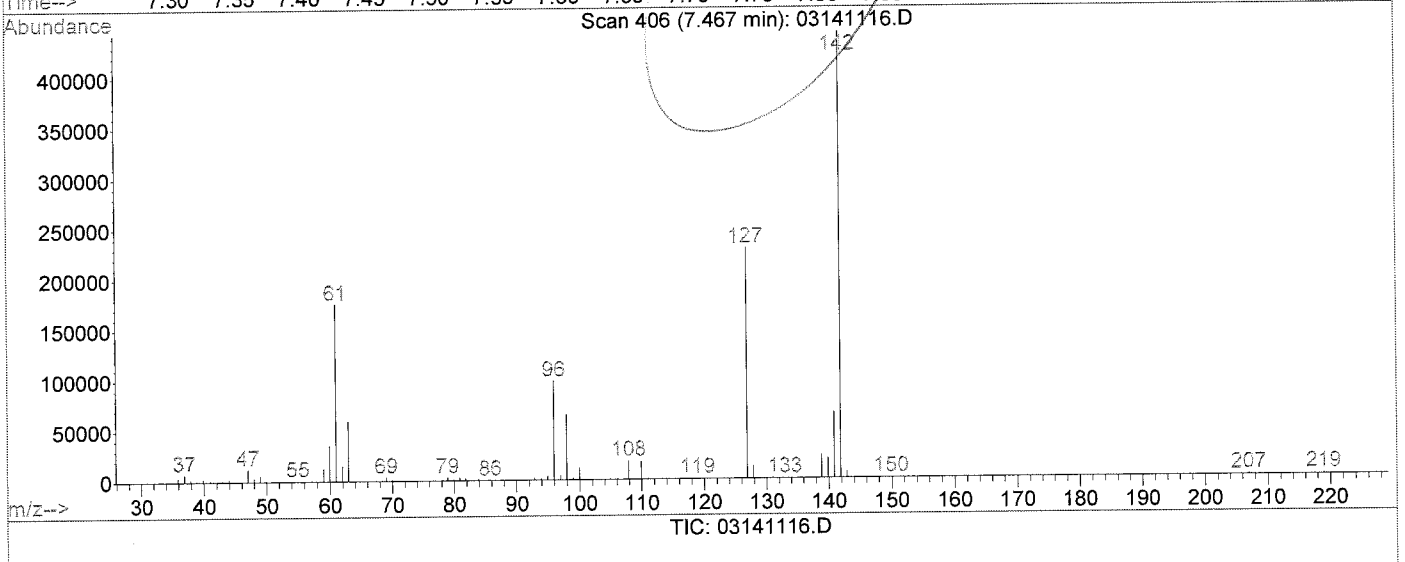


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:06 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(12) Iodomethane (T)

7.47min 80.82ug/L

response 1676242

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	50.57
141.00	14.20	14.67
0.00	0.00	0.00

NL 3/15/11

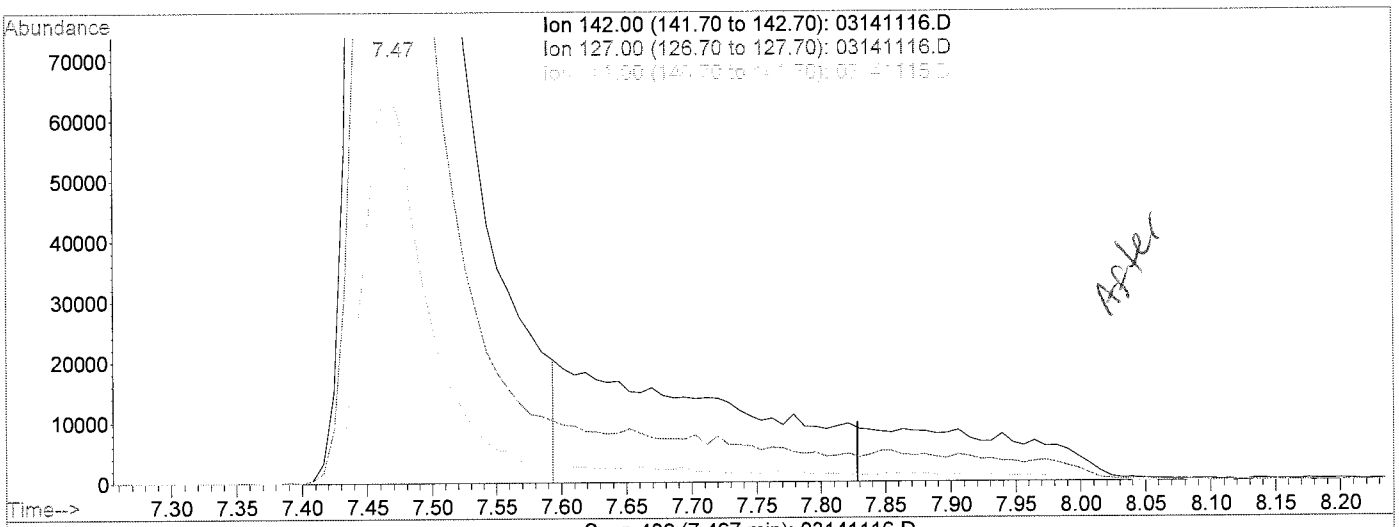
03141116.D 030211.M Mon Mar 14 16:06:39 2011

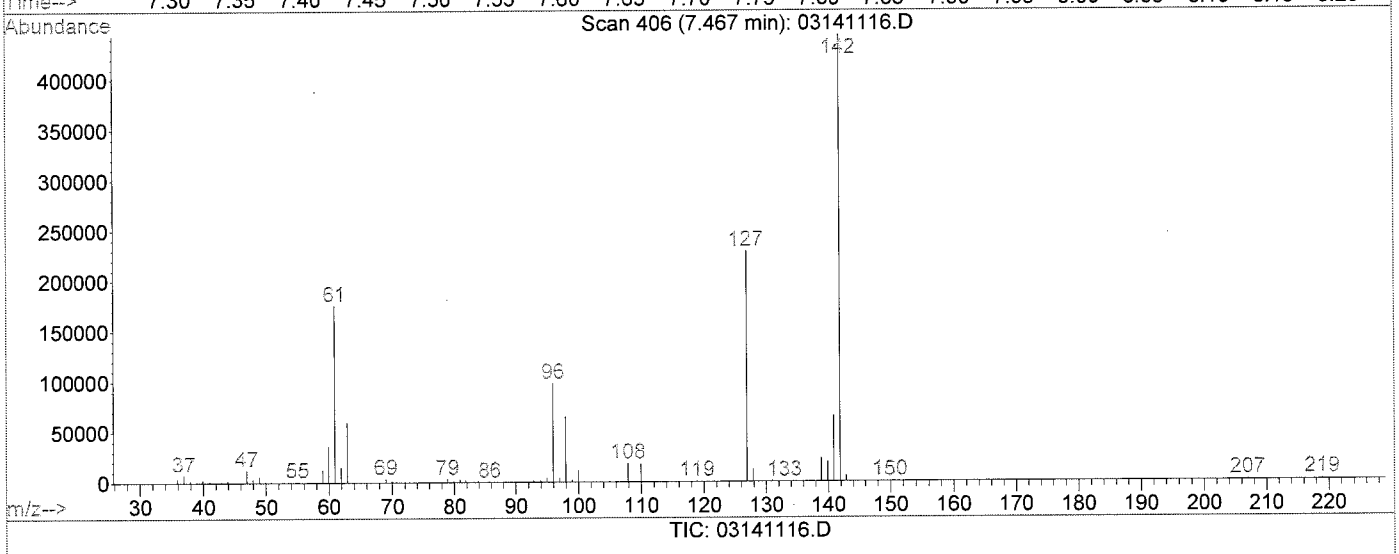
NL 4/16/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:06 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(12) Iodomethane (T)

7.47min 72.86ug/L m

response 1508939

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	56.17#
141.00	14.20	16.30
0.00	0.00	0.00

03141116.D 030211.M Mon Mar 14 16:06:46 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:06 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.31	65	113794	200.00	ug/L	0.00
4) Pentafluorobenzene	10.48	168	693519	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1026382	25.00	ug/L	-0.01
48) Chlorobenzene-d5	15.95	117	955378	25.00	ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.41	152	487259	25.00	ug/L	-0.02
System Monitoring Compounds						
29) Dibromofluoromethane	9.97	113	404725	24.25	ug/L	0.00
Spiked Amount 25.000			Recovery	=	97.00%	
46) Toluene-d8	13.99	98	1139190	25.71	ug/L	-0.01
Spiked Amount 25.000			Recovery	=	102.84%	
60) 4-Bromofluorobenzene	17.63	95	485891	25.33	ug/L	-0.02
Spiked Amount 25.000			Recovery	=	101.32%	

Target Compounds						Qvalue
2) Ethanol	5.91	45	46236	474.52	ug/L	97
3) tert-Butanol (TBA)	7.42	59	300094	357.81	ug/L	96
5) Dichlorodifluoromethane	4.48	85	2554129	94.67	ug/L	100
6) Chloromethane	4.77	50	1645801	68.23	ug/L	99
7) Vinyl chloride	5.05	62	1581189	96.19	ug/L	99
8) Bromomethane	5.66	94	1536604	76.97	ug/L	98
9) Chloroethane	5.87	64	1202091	78.01	ug/L	97
10) Trichlorofluoromethane	6.68	101	3224844	108.83	ug/L	100
11) Acetone	6.83	43	314036	85.04	ug/L	95
12) Iodomethane	7.47	142	1508939m	72.86	ug/L	
13) 1,1-Dichloroethene	7.42	96	1609439	97.21	ug/L	96
14) Methylene chloride	7.60	84	1776246	88.46	ug/L	100
15) Freon 113	7.67	101	2074880	105.02	ug/L	96
16) Carbon disulfide	7.93	76	4261670	90.44	ug/L	97
17) trans-1,2-Dichloroethene	8.49	96	1781041	97.79	ug/L	98
18) MTBE	8.62	73	3371583	109.33	ug/L	98
19) 1,1-Dichloroethane	8.81	63	3338609	94.77	ug/L	99
20) Vinyl acetate	8.96	43	1672603	109.68	ug/L	100
21) n-Hexane	9.33	86	320247	84.22	ug/L	94
22) 2-Butanone (MEK)	9.35	72	84260	88.26	ug/L #	97
23) Diisopropylether (DIPE)	9.37	45	5833936	92.99	ug/L	99
24) cis-1,2-dichloroethene	9.55	96	1915971	97.45	ug/L	98
25) Bromochloromethane	9.76	128	695057	92.51	ug/L	88
26) Chloroform	9.82	83	3490527	102.29	ug/L	97
27) 2,2-Dichloropropane	9.92	77	2752255	104.42	ug/L	99
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	4704788	106.92	ug/L	97
30) 1,2-Dichloroethane	10.66	62	2288489	112.60	ug/L	96
31) 1,1,1-Trichloroethane	10.79	97	3196019	116.80	ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	3339084	106.79	ug/L	97
34) 1,1-Dichloropropene	11.03	75	2483128	112.10	ug/L	100
35) Carbon tetrachloride	11.27	117	2708678	146.72	ug/L	99
36) Benzene	11.32	78	6052292	100.79	ug/L	95
37) Dibromomethane	12.05	93	912847	107.41	ug/L	94
38) 1,2-Dichloropropane	12.09	63	1518990	96.74	ug/L	86
39) Trichloroethene	12.15	95	1886393	110.54	ug/L	98
40) Bromodichloromethane	12.21	83	2439967	120.35	ug/L	100

(#) = qualifier out of range (m) = manual integration
03141116.D 030211.M Mon Mar 14 16:07:18 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:06 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

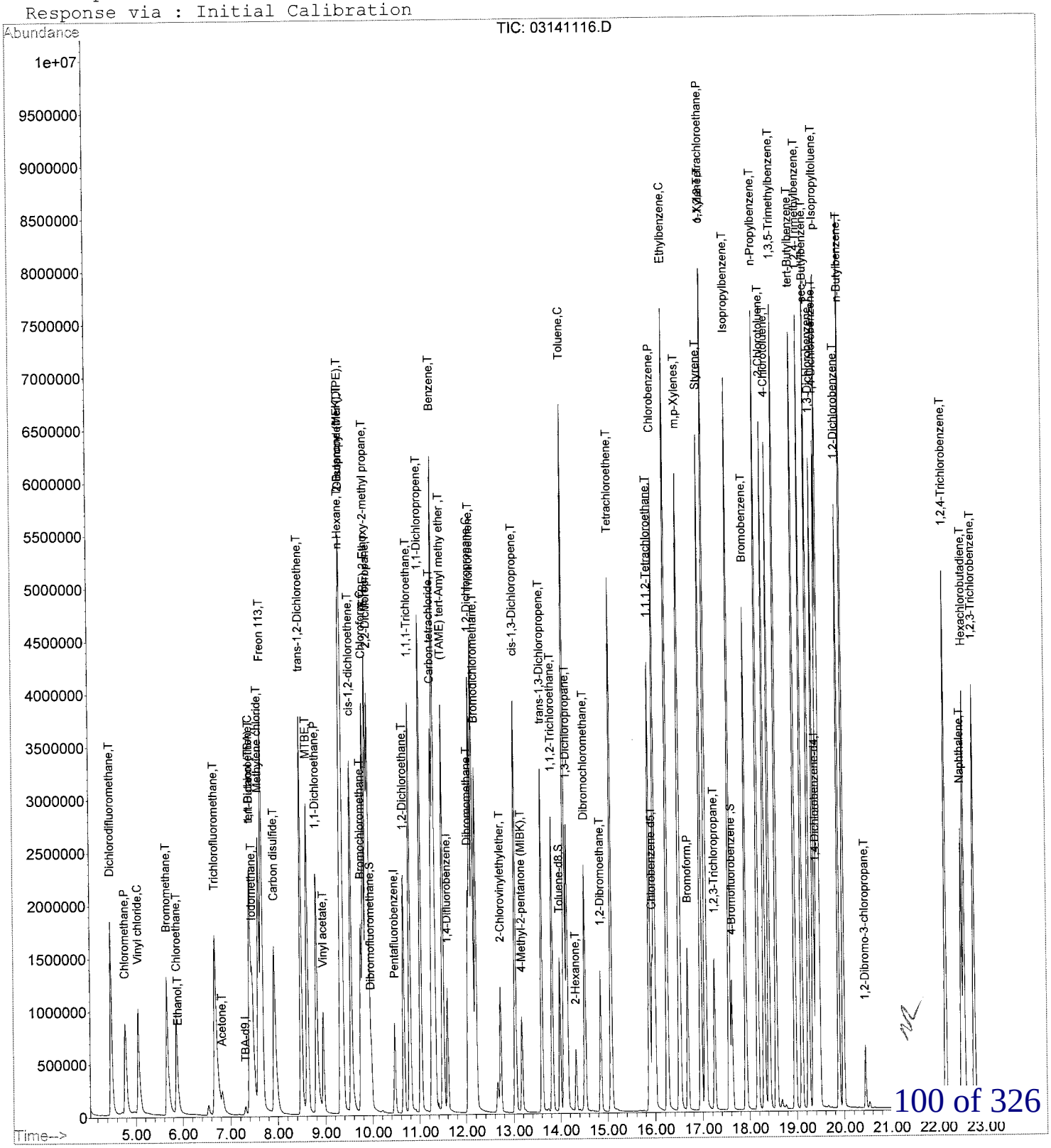
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41)	2-Chlorovinylethylether	12.73	63	540136	116.20 ug/L	97
42)	cis-1,3-Dichloropropene	13.04	75	2422907	111.48 ug/L	93
43)	4-Methyl-2-pentanone (MIBK	13.18	43	790515	99.92 ug/L	97
44)	trans-1,3-Dichloropropene	13.61	75	2038801	118.54 ug/L	96
45)	1,1,2-Trichloroethane	13.83	97	1058683	106.85 ug/L	96
47)	Toluene	14.09	92	3515619	101.60 ug/L	98
49)	1,3-Dichloropropane	14.15	76	1708221	87.57 ug/L	100
50)	2-Hexanone	14.33	43	518728	86.57 ug/L	98
51)	Dibromochloromethane	14.52	129	1459234	113.57 ug/L	100
52)	1,2-Dibromoethane	14.86	107	1082579	98.13 ug/L	99
53)	Tetrachloroethene	15.08	164	1519487	101.29 ug/L	99
54)	1,1,1,2-Tetrachloroethane	15.89	131	1512845	103.33 ug/L	97
55)	Chlorobenzene	16.00	112	3917483	92.08 ug/L	100
56)	Ethylbenzene	16.25	91	6837089	94.95 ug/L	100
57)	m,p-Xylenes	16.51	106	2462109	93.80 ug/L	97
58)	Styrene	16.97	104	3789547	97.01 ug/L	97
59)	o-Xylene	17.07	106	2256874	88.70 ug/L	98
62)	Bromoform	16.69	173	944244	120.88 ug/L	100
63)	1,1,2,2-Tetrachloroethane	17.05	83	873846	80.75 ug/L	98
64)	1,2,3-Trichloropropane	17.26	110	274845	94.85 ug/L	98
65)	Isopropylbenzene	17.57	105	5973801	97.02 ug/L	99
66)	Bromobenzene	17.92	156	1680625	95.87 ug/L	96
67)	n-Propylbenzene	18.17	91	7541537	91.61 ug/L	99
68)	2-Chlorotoluene	18.32	91	4706461	90.96 ug/L	98
69)	4-Chlorotoluene	18.42	91	4886222	94.78 ug/L	100
70)	1,3,5-Trimethylbenzene	18.57	105	5395308	97.87 ug/L	98
71)	tert-Butylbenzene	18.97	119	4264845	96.60 ug/L	97
72)	1,2,4-Trimethylbenzene	19.11	105	5218841	95.05 ug/L	97
73)	sec-Butylbenzene	19.25	105	6660721	92.80 ug/L	100
74)	1,3-Dichlorobenzene	19.36	146	2835322	88.43 ug/L	98
75)	1,4-Dichlorobenzene	19.44	146	2796075	88.70 ug/L	99
76)	p-Isopropyltoluene	19.48	119	5291995	93.88 ug/L	97
77)	1,2-Dichlorobenzene	19.89	146	2559332	91.60 ug/L	99
78)	n-Butylbenzene	19.99	91	5507303	94.45 ug/L	99
79)	1,2-Dibromo-3-chloropropan	20.44	75	161576	88.74 ug/L	100
80)	1,2,4-Trichlorobenzene	22.16	180	2217200	109.19 ug/L	99
81)	Naphthalene	22.50	128	2569603	97.49 ug/L	99
82)	Hexachlorobutadiene	22.55	225	1189477	112.25 ug/L	100
83)	1,2,3-Trichlorobenzene	22.77	180	1773297	106.65 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141116.D 030211.M Mon Mar 14 16:07:18 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:06 2011 Quant Results File: 030211.RES

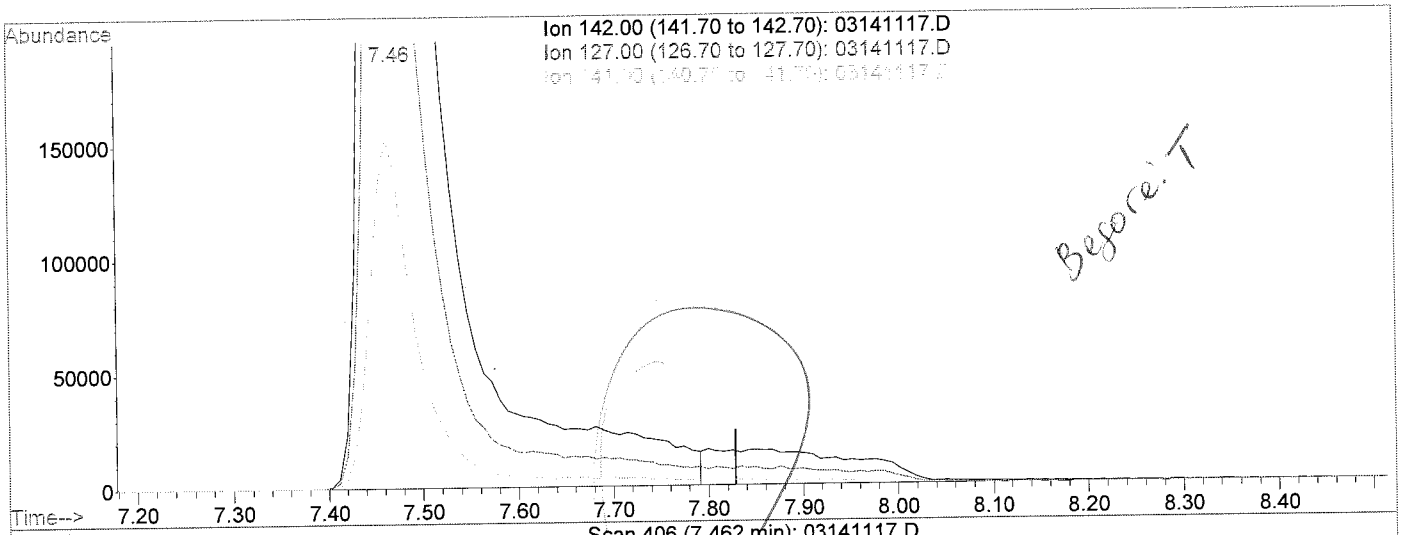
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration

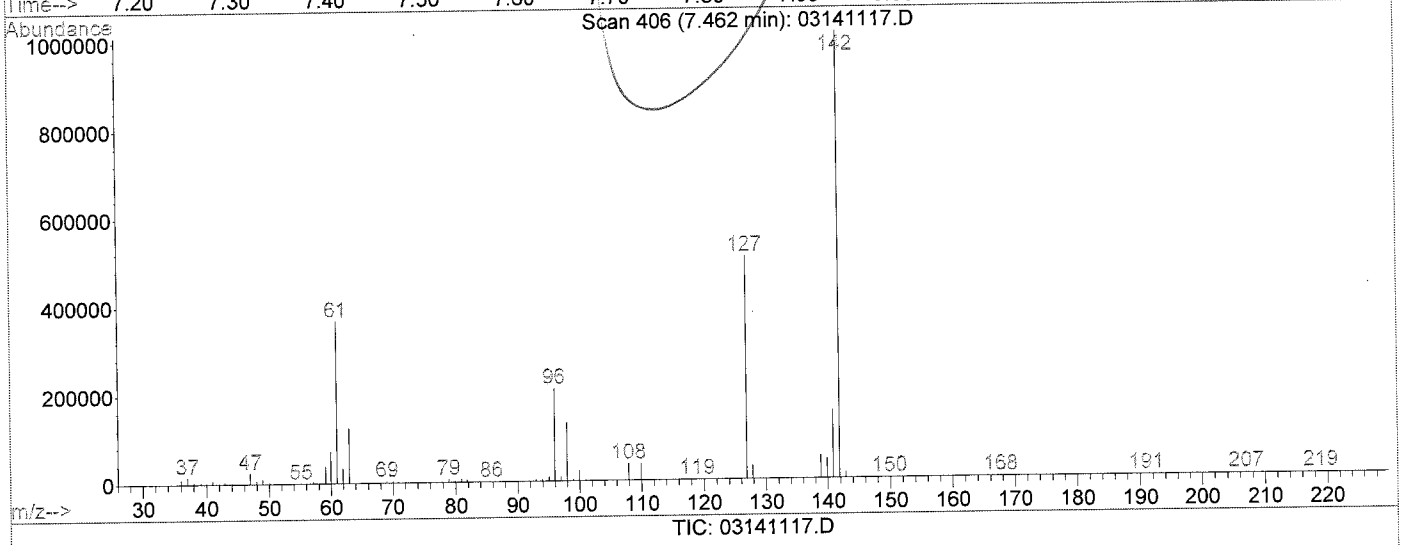


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:07 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(12) Iodomethane (T)

7.46min 175.09ug/L

response 3688724

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	49.98
141.00	14.20	14.19
0.00	0.00	0.00

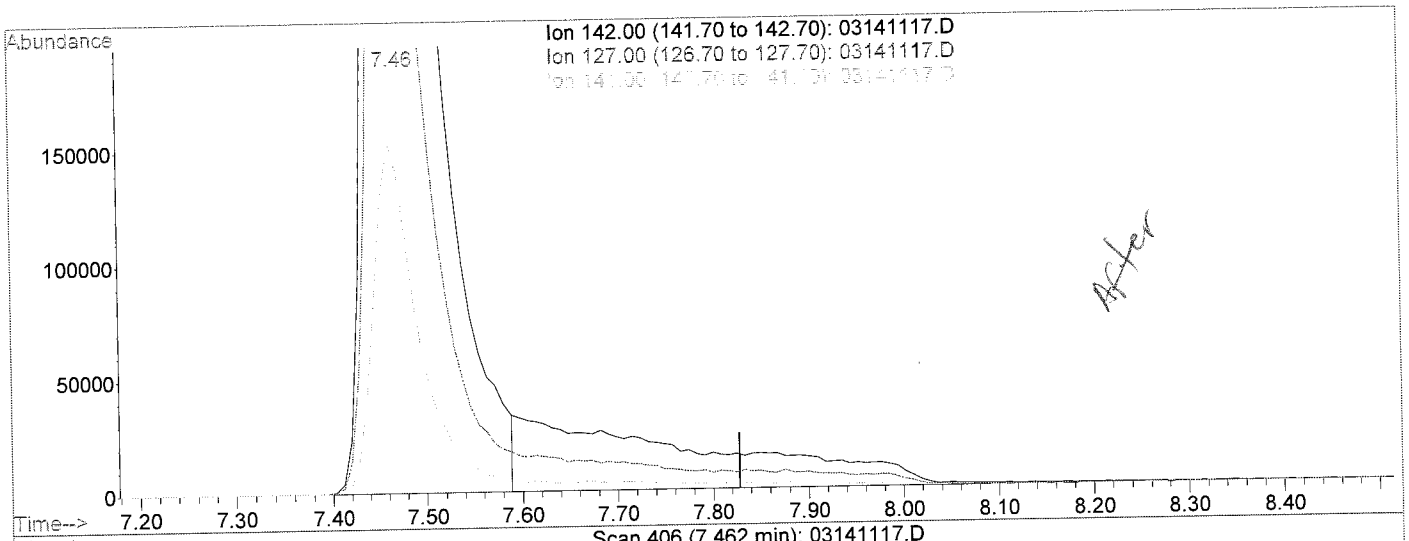
NL 3/15/11

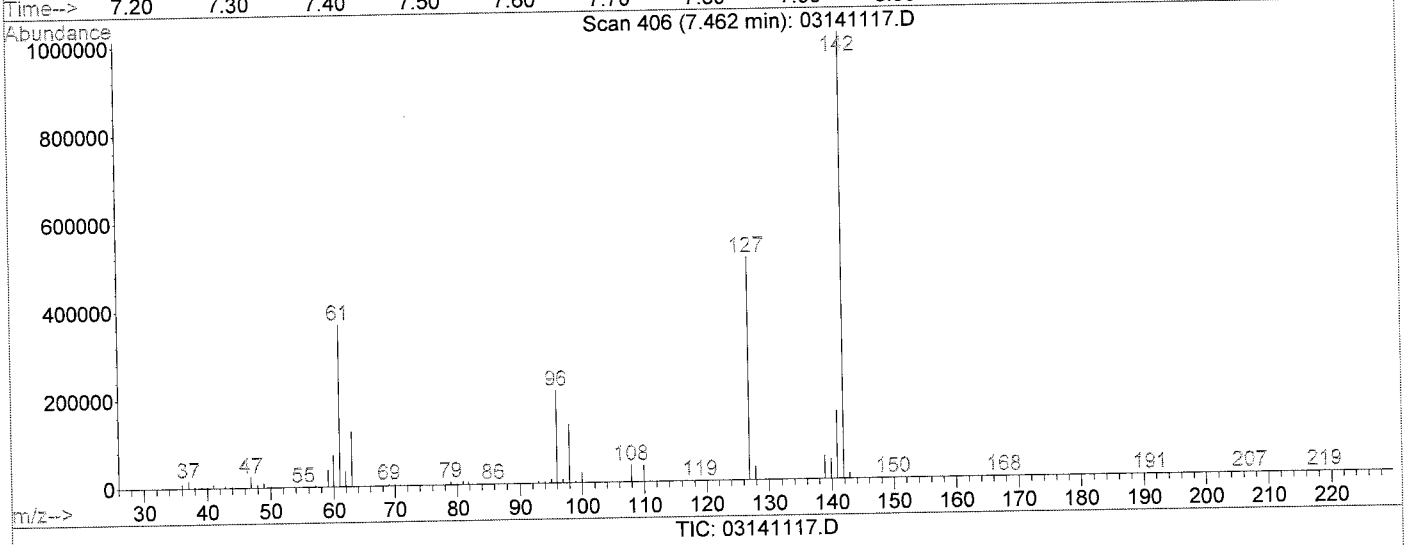
03141117.D 030211.M Mon Mar 14 16:07:44 2011 m 3/15/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:07 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(12) Iodomethane (T)

7.46min 161.63ug/L m

response 3403531

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	54.17#
141.00	14.20	15.37
0.00	0.00	0.00

NL

03141117.D 030211.M Mon Mar 14 16:07:49 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:07 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.32	65	129365	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	699660	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.61	114	1006186	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	917970	25.00 ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.41	152	479748	25.00 ug/L	-0.02
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	398274	23.66 ug/L	0.00
Spiked Amount 25.000			Recovery =	94.64%	
46) Toluene-d8	13.99	98	1157719	26.66 ug/L	0.00
Spiked Amount 25.000			Recovery =	106.64%	
60) 4-Bromofluorobenzene	17.62	95	485250	26.33 ug/L	-0.02
Spiked Amount 25.000			Recovery =	105.32%	

Target Compounds					Qvalue
2) Ethanol	5.91	45	94550	853.57 ug/L	96
3) tert-Butanol (TBA)	7.42	59	623983	654.44 ug/L	96
5) Dichlorodifluoromethane	4.48	85	4978796	182.92 ug/L	99
6) Chloromethane	4.77	50	3627894	149.08 ug/L	100
7) Vinyl chloride	5.04	62	2933915	176.92 ug/L	100
8) Bromomethane	5.66	94	3378676	166.69 ug/L	100
9) Chloroethane	5.87	64	2408104	154.90 ug/L	98
10) Trichlorofluoromethane	6.68	101	6350872	212.45 ug/L	100
11) Acetone	6.83	43	712547	191.25 ug/L	97
12) Iodomethane	7.46	142	340353 m	161.63 ug/L	
13) 1,1-Dichloroethene	7.41	96	3203884	191.81 ug/L	95
14) Methylene chloride	7.60	84	3539558	174.72 ug/L	99
15) Freon 113	7.66	101	4003342	200.85 ug/L	95
16) Carbon disulfide	7.93	76	8527296	179.62 ug/L	97
17) trans-1,2-Dichloroethene	8.49	96	3483064	189.57 ug/L	99
18) MTBE	8.62	73	7020635	225.67 ug/L	98
19) 1,1-Dichloroethane	8.81	63	6427460	180.85 ug/L	99
20) Vinyl acetate	8.96	43	3622976	235.49 ug/L	100
21) n-Hexane	9.33	86	604351	157.54 ug/L	91
22) 2-Butanone (MEK)	9.35	72	170530	177.07 ug/L #	80
23) Diisopropylether (DIPE)	9.37	45	11136877	175.96 ug/L	99
24) cis-1,2-dichloroethene	9.55	96	3661493	184.60 ug/L	98
25) Bromochloromethane	9.77	128	1405227	185.40 ug/L	91
26) Chloroform	9.82	83	6678986	194.01 ug/L	96
27) 2,2-Dichloropropane	9.93	77	5304843	199.51 ug/L	99
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	9368890	211.04 ug/L	97
30) 1,2-Dichloroethane	10.66	62	4567841	222.78 ug/L	96
31) 1,1,1-Trichloroethane	10.80	97	6043640	218.93 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	6670791	211.48 ug/L	97
34) 1,1-Dichloropropene	11.03	75	4722226	217.45 ug/L	98
35) Carbon tetrachloride	11.28	117	5241717	289.16 ug/L	98
36) Benzene	11.32	78	11220600	190.61 ug/L	94
37) Dibromomethane	12.05	93	1825022	219.05 ug/L	94
38) 1,2-Dichloropropane	12.09	63	2880453	187.12 ug/L	90
39) Trichloroethene	12.15	95	3587777	214.45 ug/L	99
40) Bromodichloromethane	12.21	83	4858580	244.45 ug/L	100

(#) = qualifier out of range (m) = manual integration
03141117.D 030211.M Mon Mar 14 16:08:20 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:07 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

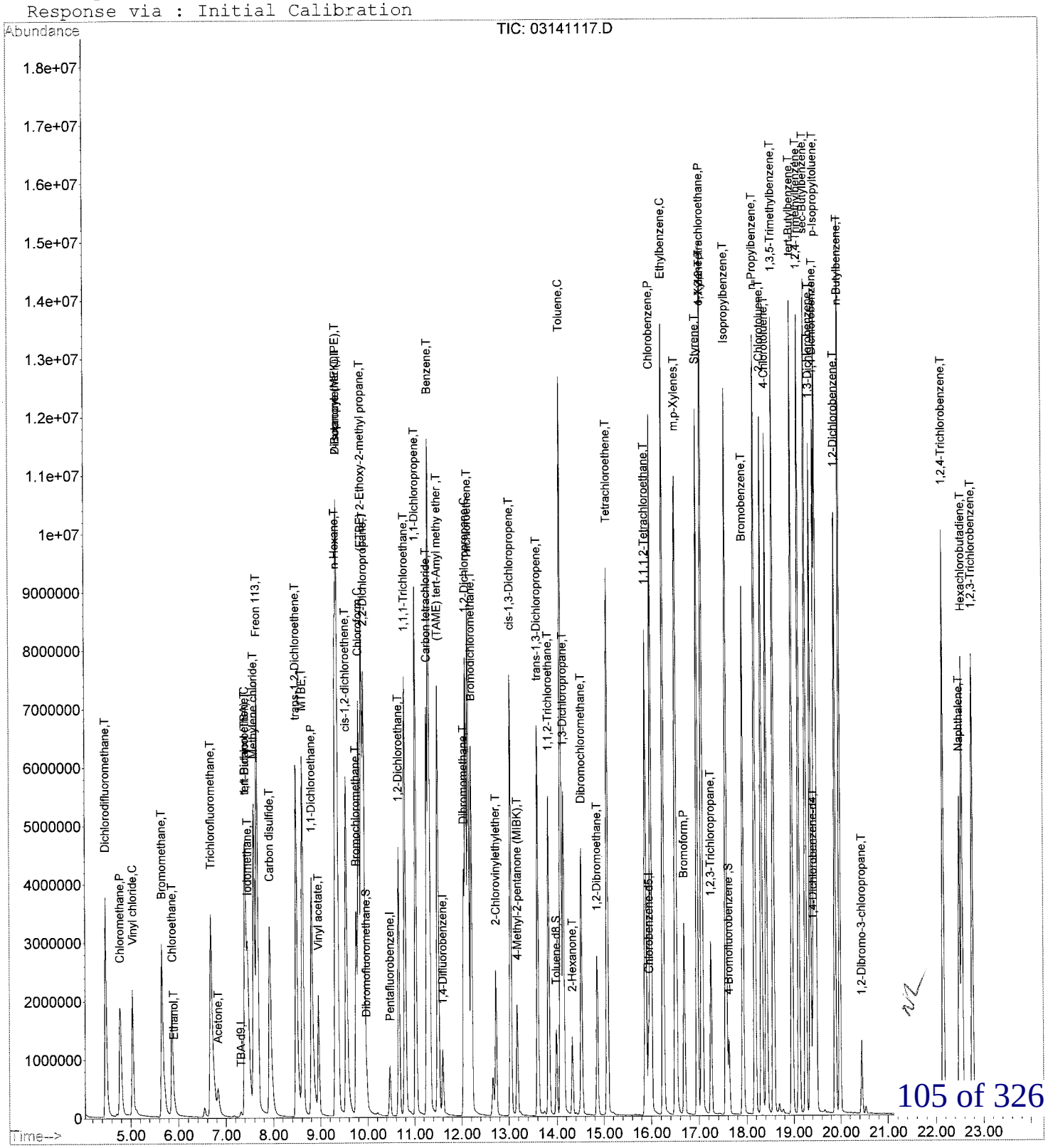
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
41)	2-Chlorovinylethylether	12.73	63	1142848	250.79 ug/L		96
42)	cis-1,3-Dichloropropene	13.04	75	4684444	219.87 ug/L		93
43)	4-Methyl-2-pentanone (MIBK	13.17	43	1726401	222.61 ug/L		100
44)	trans-1,3-Dichloropropene	13.61	75	4141624	245.63 ug/L		96
45)	1,1,2-Trichloroethane	13.83	97	2150786	221.42 ug/L		97
47)	Toluene	14.09	92	6860422	202.24 ug/L		97
49)	1,3-Dichloropropane	14.15	76	3459676	184.59 ug/L		100
50)	2-Hexanone	14.33	43	1133041	196.80 ug/L		99
51)	Dibromochloromethane	14.52	129	3004500	243.37 ug/L		100
52)	1,2-Dibromoethane	14.85	107	2245419	211.83 ug/L		99
53)	Tetrachloroethene	15.08	164	2909810	201.87 ug/L		99
54)	1,1,1,2-Tetrachloroethane	15.88	131	3044708	216.43 ug/L		96
55)	Chlorobenzene	15.99	112	7715745	188.75 ug/L		99
56)	Ethylbenzene	16.25	91	12545598	181.33 ug/L		98
57)	m,p-Xylenes	16.52	106	4695826	186.18 ug/L		100
58)	Styrene	16.96	104	7335940	195.45 ug/L		98
59)	o-Xylene	17.07	106	4257910	174.17 ug/L		98
62)	Bromoform	16.69	173	1975315	256.84 ug/L		99
63)	1,1,2,2-Tetrachloroethane	17.06	83	1734795	162.81 ug/L	#	98
64)	1,2,3-Trichloropropane	17.26	110	571615	200.36 ug/L		97
65)	Isopropylbenzene	17.57	105	11035185	182.02 ug/L		99
66)	Bromobenzene	17.93	156	3228495	187.05 ug/L		96
67)	n-Propylbenzene	18.18	91	13380305	165.08 ug/L		97
68)	2-Chlorotoluene	18.32	91	8711898	171.00 ug/L		100
69)	4-Chlorotoluene	18.42	91	8804435	173.45 ug/L		98
70)	1,3,5-Trimethylbenzene	18.58	105	9721195	179.11 ug/L		99
71)	tert-Butylbenzene	18.96	119	7867457	180.99 ug/L		97
72)	1,2,4-Trimethylbenzene	19.12	105	9604835	177.67 ug/L		99
73)	sec-Butylbenzene	19.26	105	11909009	168.52 ug/L		98
74)	1,3-Dichlorobenzene	19.36	146	5330110	168.84 ug/L		98
75)	1,4-Dichlorobenzene	19.44	146	5270566	169.81 ug/L		98
76)	p-Isopropyltoluene	19.49	119	9529633	171.70 ug/L		98
77)	1,2-Dichlorobenzene	19.89	146	4794946	174.30 ug/L		98
78)	n-Butylbenzene	19.98	91	9702846	169.01 ug/L		97
79)	1,2-Dibromo-3-chloropropan	20.45	75	325159	181.37 ug/L		96
80)	1,2,4-Trichlorobenzene	22.15	180	4352414	217.69 ug/L		99
81)	Naphthalene	22.50	128	5414389	208.63 ug/L		98
82)	Hexachlorobutadiene	22.55	225	2333987	223.71 ug/L		99
83)	1,2,3-Trichlorobenzene	22.77	180	3553855	217.08 ug/L		99

(#) = qualifier out of range (m) = manual integration
03141117.D 030211.M Mon Mar 14 16:08:20 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:07 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141118.D Vial: 15
Acq On : 14 Mar 2011 4:02 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Clean out

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.32	65	137543	200.00	ug/L	0.00
4) Pentafluorobenzene	10.47	168	705780	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1053626	25.00	ug/L	0.00
48) Chlorobenzene-d5	15.95	117	944501	25.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	550559	25.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	9.97	113	402864	24.90	ug/L	0.00
Spiked Amount 25.000			Recovery	=	99.60%	
46) Toluene-d8	13.99	98	1158834	24.94	ug/L	0.00
Spiked Amount 25.000			Recovery	=	99.76%	
60) 4-Bromofluorobenzene	17.62	95	528692	25.38	ug/L	0.00
Spiked Amount 25.000			Recovery	=	101.52%	

Target Compounds						Qvalue
2) Ethanol	5.92	45	134032	2444.80	ug/L	99
3) tert-Butanol (TBA)	7.42	59	479927	703.15	ug/L #	89
6) Chloromethane	4.77	50	18689	1.27	ug/L	79
7) Vinyl chloride	5.04	62	2359	0.15	ug/L	96
8) Bromomethane	5.65	94	6715	1.36	ug/L	98
11) Acetone	6.84	43	154438	44.16	ug/L	97
12) Iodomethane	7.48	142	19291	2.94	ug/L #	94
13) 1,1-Dichloroethene	7.40	96	2884	0.17	ug/L	94
14) Methylene chloride	7.60	84	8443	0.43	ug/L	85
15) Freon 113	7.66	101	2259	0.11	ug/L #	75
16) Carbon disulfide	7.93	76	46228	1.01	ug/L	99
17) trans-1,2-Dichloroethene	8.47	96	6358	0.34	ug/L	83
18) MTBE	8.63	73	15129	0.45	ug/L	98
20) Vinyl acetate	8.97	43	11349	0.70	ug/L #	94
21) n-Hexane	9.32	86	394	0.11	ug/L #	1
22) 2-Butanone (MEK)	9.35	72	21253	22.82	ug/L #	1
23) Diisopropylether (DIPE)	9.36	45	12563	0.20	ug/L #	1
24) cis-1,2-dichloroethene	9.55	96	6259	0.31	ug/L	91
25) Bromochloromethane	9.76	128	3934	0.57	ug/L #	77
26) Chloroform	9.82	83	5199	0.14	ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	12079	0.25	ug/L	95
30) 1,2-Dichloroethane	10.66	62	9666	0.41	ug/L	93
31) 1,1,1-Trichloroethane	10.80	97	2967	0.09	ug/L #	50
32) (TAME) tert-Amyl methy eth	11.50	73	18345	0.54	ug/L	95
34) 1,1-Dichloropropene	11.02	75	3339	0.13	ug/L	92
36) Benzene	11.33	78	7268	0.11	ug/L #	90
37) Dibromomethane	12.05	93	7731	0.80	ug/L	95
38) 1,2-Dichloropropane	12.09	63	2091	0.13	ug/L #	49
39) Trichloroethene	12.14	95	3598	0.18	ug/L	96
40) Bromodichloromethane	12.20	83	4768	0.18	ug/L	90
41) 2-Chlorovinylethylether	12.74	63	5065	0.93	ug/L	93
42) cis-1,3-Dichloropropene	13.04	75	9776	0.39	ug/L #	78
43) 4-Methyl-2-pentanone (MIBK	13.18	43	81138	9.88	ug/L	96
44) trans-1,3-Dichloropropene	13.61	75	12226	0.59	ug/L #	77
45) 1,1,2-Trichloroethane	13.83	97	5100	0.46	ug/L	87
47) Toluene	14.09	92	8027	0.20	ug/L	98

(#) = qualifier out of range (m) = manual integration
03141118.D 031411.M Tue Mar 15 14:26:37 2011

NL 3/15/11

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141118.D Vial: 15
Acq On : 14 Mar 2011 4:02 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

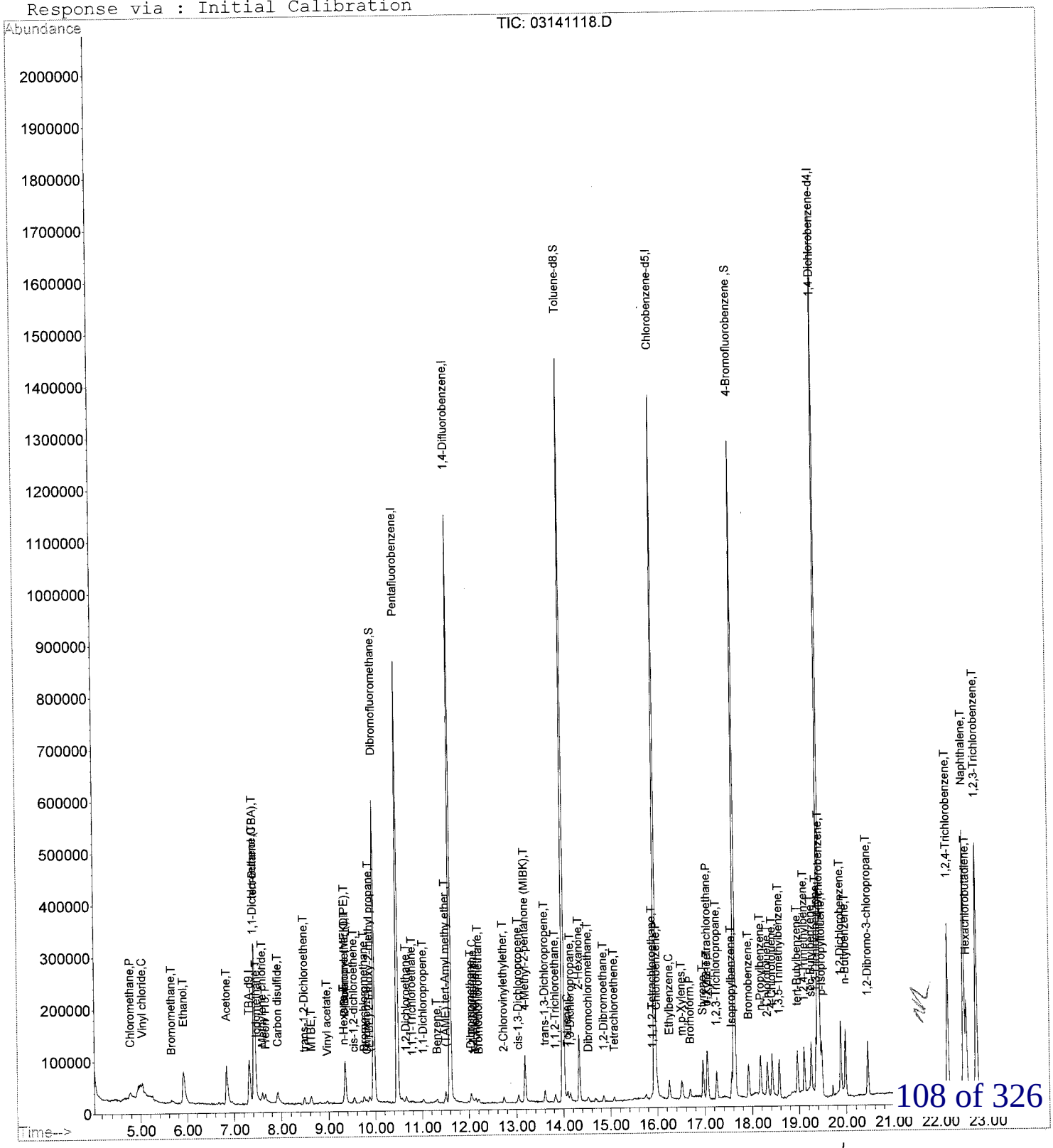
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
49) 1,3-Dichloropropane	14.15	76	8666	0.47 ug/L #	87
50) 2-Hexanone	14.33	43	118085	20.36 ug/L	99
51) Dibromochloromethane	14.52	129	5962	0.41 ug/L	96
52) 1,2-Dibromoethane	14.85	107	8978	0.81 ug/L	98
53) Tetrachloroethene	15.07	164	2634	0.16 ug/L	90
54) 1,1,1,2-Tetrachloroethane	15.89	131	6056	0.36 ug/L #	39
55) Chlorobenzene	15.99	112	19634	0.45 ug/L	90
56) Ethylbenzene	16.25	91	42390	0.55 ug/L	93
57) m,p-Xylenes	16.51	106	14995	0.55 ug/L	93
58) Styrene	16.96	104	43945	1.06 ug/L	98
59) o-Xylene	17.06	106	20333	0.60 ug/L #	84
62) Bromoform	16.69	173	10031	1.02 ug/L	95
63) 1,1,2,2-Tetrachloroethane	17.05	83	30576	2.87 ug/L #	93
64) 1,2,3-Trichloropropane	17.26	110	9536	3.09 ug/L	95
65) Isopropylbenzene	17.56	105	45190	0.64 ug/L	92
66) Bromobenzene	17.93	156	22927	1.17 ug/L	98
67) n-Propylbenzene	18.18	91	95436	1.04 ug/L	93
68) 2-Chlorotoluene	18.32	91	53576	0.93 ug/L #	87
69) 4-Chlorotoluene	18.42	91	62314	1.06 ug/L	98
70) 1,3,5-Trimethylbenzene	18.58	105	53943	0.85 ug/L	99
71) tert-Butylbenzene	18.96	119	48237	0.94 ug/L	97
72) 1,2,4-Trimethylbenzene	19.11	105	78643	1.24 ug/L	89
73) sec-Butylbenzene	19.25	105	98501	1.21 ug/L	99
74) 1,3-Dichlorobenzene	19.36	146	60665	1.73 ug/L	98
75) 1,4-Dichlorobenzene	19.44	146	59999	1.71 ug/L #	92
76) p-Isopropyltoluene	19.48	119	91875	1.40 ug/L #	87
77) 1,2-Dichlorobenzene	19.88	146	70992	2.32 ug/L	97
78) n-Butylbenzene	19.98	91	101557	1.54 ug/L	95
79) 1,2-Dibromo-3-chloropropan	20.45	75	26725	13.87 ug/L	95
80) 1,2,4-Trichlorobenzene	22.15	180	141163	5.68 ug/L	98
81) Naphthalene	22.50	128	487138	16.81 ug/L	99
82) Hexachlorobutadiene	22.56	225	49114	3.74 ug/L	99
83) 1,2,3-Trichlorobenzene	22.77	180	213207	10.69 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141118.D 031411.M Tue Mar 15 14:26:38 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141118.D Vial: 15
Acq On : 14 Mar 2011 4:02 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



03141118.D 031411.M Tue Mar 15 14:26:39 2011

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141119.D Vial: 16
Acq On : 14 Mar 2011 4:35 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

clean out

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) TBA-d9	7.31	65	127967	200.00	ug/L		0.00
4) Pentafluorobenzene	10.47	168	713608	25.00	ug/L		0.00
33) 1,4-Difluorobenzene	11.60	114	1048264	25.00	ug/L		0.00
48) Chlorobenzene-d5	15.95	117	936781	25.00	ug/L		0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	514803	25.00	ug/L		0.00
System Monitoring Compounds							
29) Dibromofluoromethane	9.97	113	406352	24.84	ug/L		0.00
Spiked Amount 25.000			Recovery	=	99.36%		
46) Toluene-d8	13.99	98	1155511	24.99	ug/L		0.00
Spiked Amount 25.000			Recovery	=	99.96%		
60) 4-Bromofluorobenzene	17.62	95	515047	24.92	ug/L		0.00
Spiked Amount 25.000			Recovery	=	99.68%		
Target Compounds							Qvalue
2) Ethanol	5.91	45	68363	1340.28	ug/L		96
3) tert-Butanol (TBA)	7.43	59	119287	184.19	ug/L	#	90
6) Chloromethane	4.78	50	6431	0.43	ug/L		98
8) Bromomethane	5.69	94	1923	0.98	ug/L		90
11) Acetone	6.84	43	2876	0.81	ug/L	#	88
12) Iodomethane	7.48	142	2381	1.93	ug/L	#	84
14) Methylene chloride	7.59	84	3564	0.18	ug/L		82
16) Carbon disulfide	7.92	76	20512	0.44	ug/L		99
17) trans-1,2-Dichloroethene	8.48	96	2786	0.15	ug/L	#	53
21) n-Hexane	9.32	86	335	0.10	ug/L		77
24) cis-1,2-dichloroethene	9.54	96	2913	0.14	ug/L	#	53
25) Bromochloromethane	9.75	128	1386	0.20	ug/L	#	86
37) Dibromomethane	12.04	93	2172	0.22	ug/L	#	19
42) cis-1,3-Dichloropropene	13.04	75	2743	0.11	ug/L	#	56
43) 4-Methyl-2-pentanone (MIBK	13.18	43	3950	0.48	ug/L		89
44) trans-1,3-Dichloropropene	13.60	75	3578	0.17	ug/L	#	66
45) 1,1,2-Trichloroethane	14.01	97	12843	1.17	ug/L	#	1
50) 2-Hexanone	14.34	43	6863	1.19	ug/L	#	91
52) 1,2-Dibromoethane	14.86	107	1251	0.11	ug/L		97
54) 1,1,1,2-Tetrachloroethane	15.90	131	1687	0.10	ug/L	#	29
55) Chlorobenzene	15.99	112	4112	0.10	ug/L	#	41
57) m,p-Xylenes	16.51	106	2763	0.10	ug/L		95
58) Styrene	16.97	104	5794	0.14	ug/L		95
59) o-Xylene	17.06	106	2449	Below Cal		#	93
63) 1,1,2,2-Tetrachloroethane	17.05	83	1505	0.15	ug/L	#	84
64) 1,2,3-Trichloropropane	17.25	110	394	0.14	ug/L	#	85
65) Isopropylbenzene	17.57	105	7274	0.11	ug/L	#	89
66) Bromobenzene	17.92	156	3004	0.16	ug/L	#	75
68) 2-Chlorotoluene	18.32	91	8833	0.16	ug/L	#	78
69) 4-Chlorotoluene	18.42	91	10215	0.19	ug/L		97
70) 1,3,5-Trimethylbenzene	18.57	105	9715	0.16	ug/L		98
71) tert-Butylbenzene	18.96	119	10451	0.22	ug/L		95
72) 1,2,4-Trimethylbenzene	19.10	105	14754	0.25	ug/L		100
73) sec-Butylbenzene	19.25	105	18222	0.24	ug/L	#	87
74) 1,3-Dichlorobenzene	19.36	146	17425	0.53	ug/L	#	81
75) 1,4-Dichlorobenzene	19.44	146	10200	0.31	ug/L	#	54

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141119.D Vial: 16
Acq On : 14 Mar 2011 4:35 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

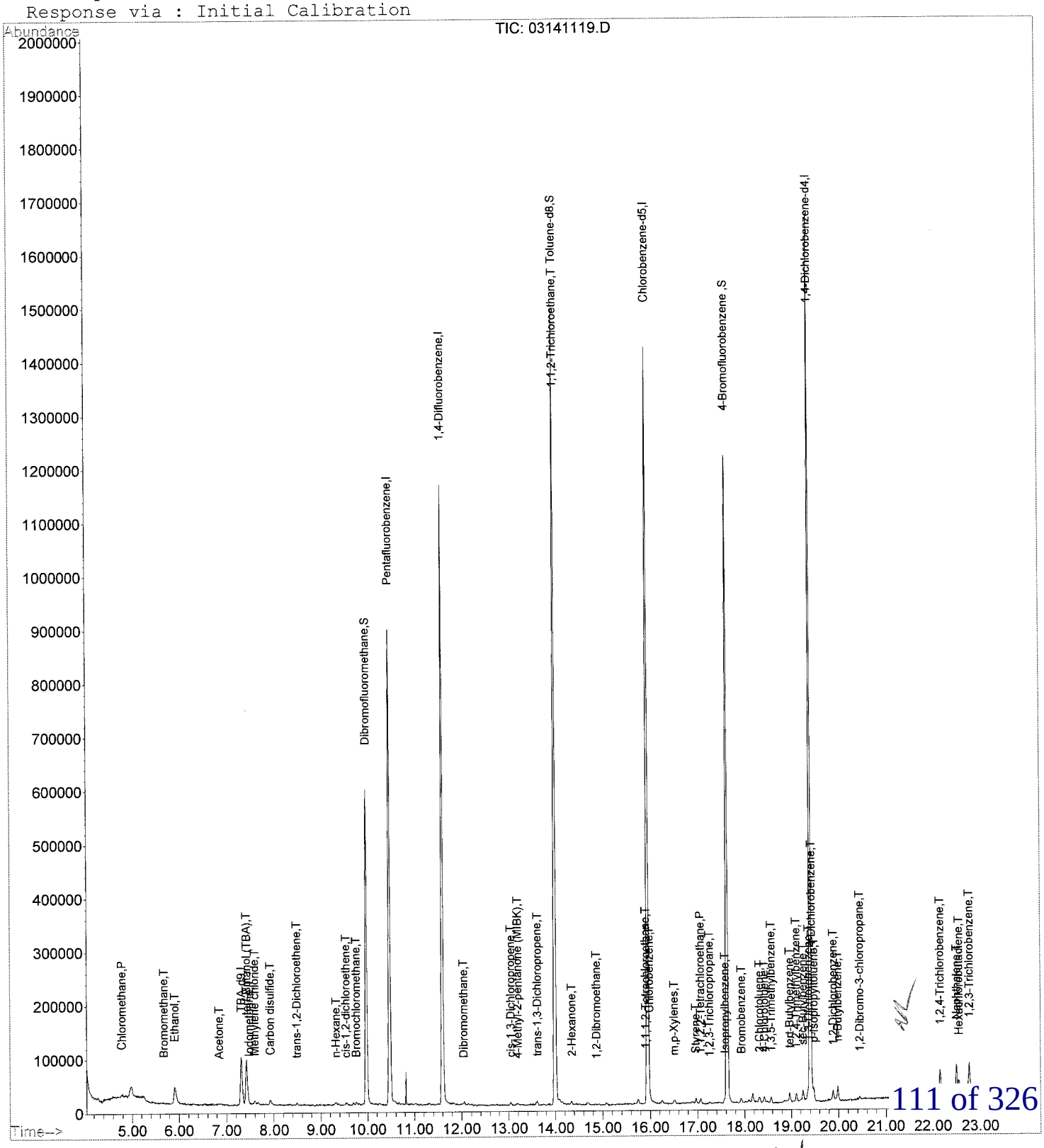
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
76) p-Isopropyltoluene	19.48	119	22557	0.37 ug/L #	85
77) 1,2-Dichlorobenzene	19.89	146	10550	0.37 ug/L	94
78) n-Butylbenzene	19.98	91	23432	0.38 ug/L	97
79) 1,2-Dibromo-3-chloropropan	20.45	75	1685	0.94 ug/L	89
80) 1,2,4-Trichlorobenzene	22.15	180	20340	0.87 ug/L	98
81) Naphthalene	22.50	128	53317	1.97 ug/L	99
82) Hexachlorobutadiene	22.56	225	7226	0.59 ug/L #	90
83) 1,2,3-Trichlorobenzene	22.77	180	26198	1.41 ug/L	97

(#) = qualifier out of range (m) = manual integration
03141119.D 031411.M Tue Mar 15 14:26:46 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141119.D Vial: 16
Acq On : 14 Mar 2011 4:35 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration

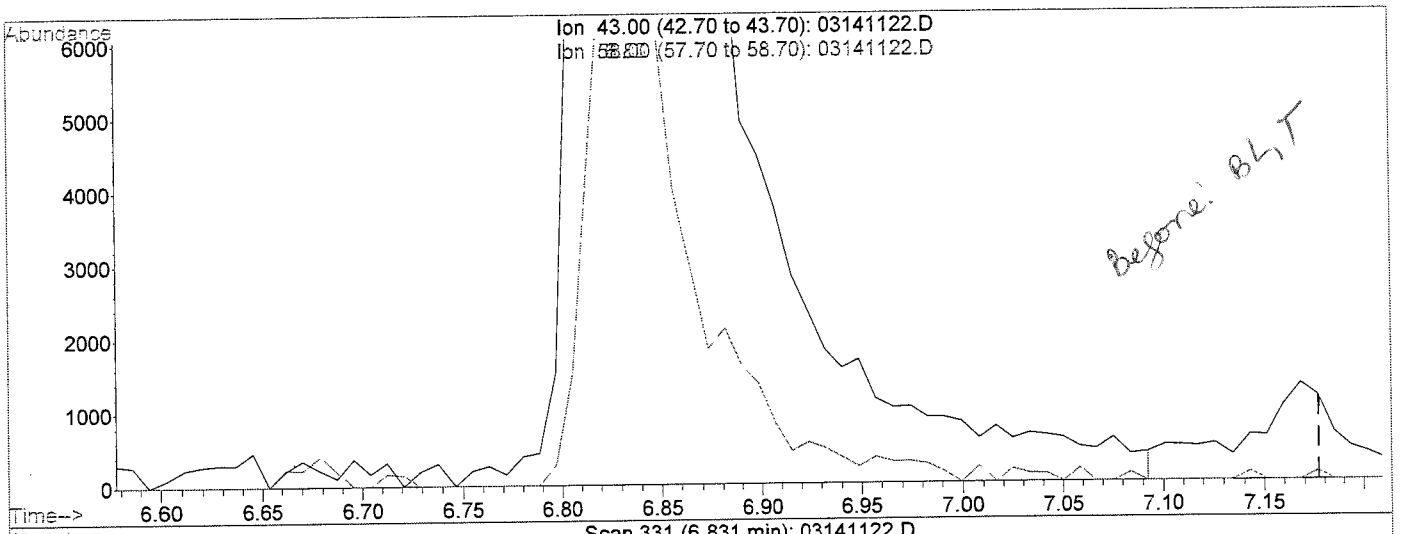


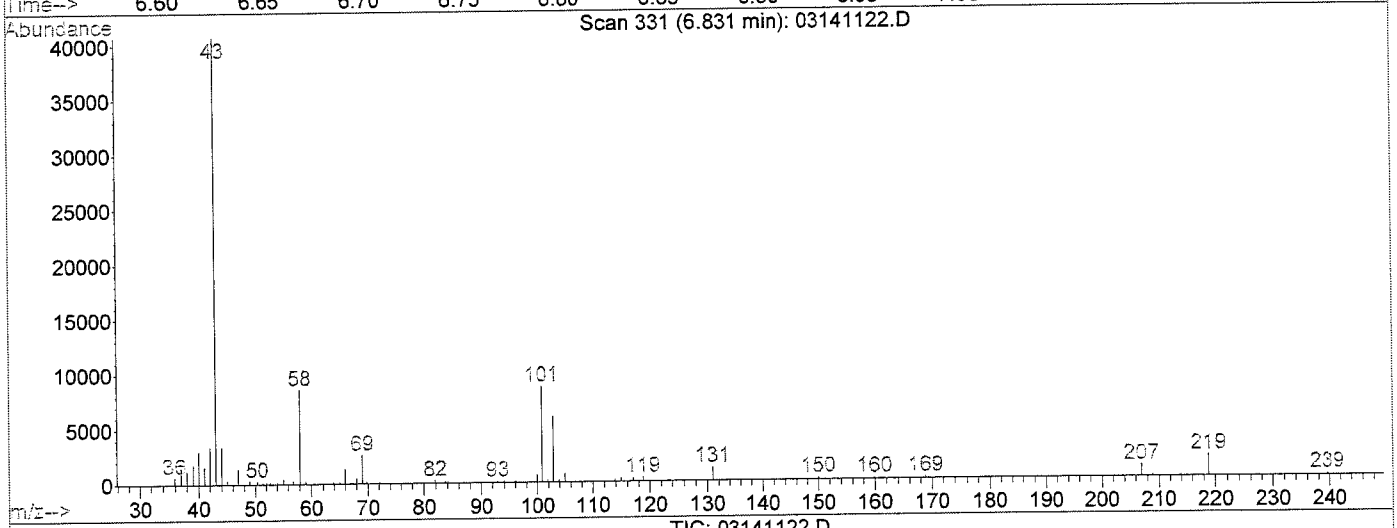
03141119.D 031411.M Tue Mar 15 14:26:48 2011 Page 3

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 18:41 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration





TIC: 03141122.D

(11) Acetone (T)

6.83min 37.77ug/L

response 132114

Ion	Exp%	Act%
43.00	100	100
58.00	21.30	20.63
0.00	0.00	0.00
0.00	0.00	0.00

NL 3/15/11

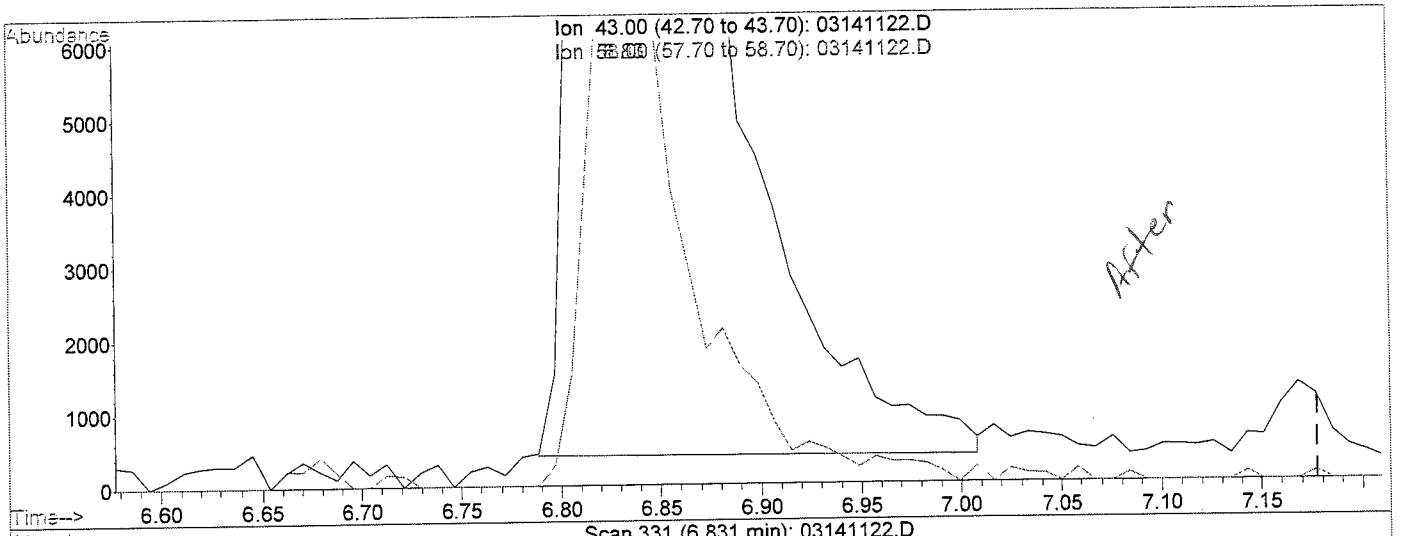
03141122.D 031411.M Tue Mar 15 14:37:27 2011

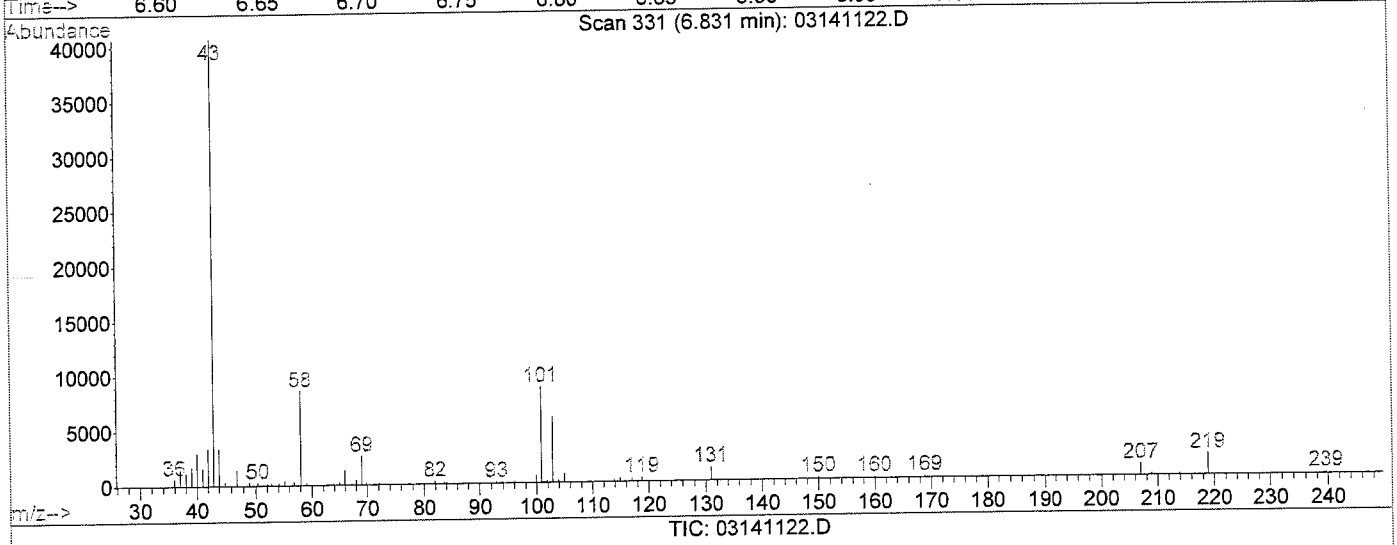
4/15/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:37 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration





TIC: 03141122.D

(11) Acetone (T)

6.83min 35.28ug/L m

response 123411

Ion	Exp%	Act%
43.00	100	100
58.00	21.30	22.09
0.00	0.00	0.00
0.00	0.00	0.00

NL

03141122.D 031411.M Tue Mar 15 14:37:45 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:37 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	124354	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	706016	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.61	114	1059053	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	958616	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	484312	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	399298	24.67 ug/L	0.00
Spiked Amount 25.000			Recovery =	98.68%	
46) Toluene-d8	13.99	98	1164232	24.93 ug/L	0.00
Spiked Amount 25.000			Recovery =	99.72%	
60) 4-Bromofluorobenzene	17.62	95	506259	23.94 ug/L	0.00
Spiked Amount 25.000			Recovery =	95.76%	

Target Compounds					Qvalue
2) Ethanol	5.90	45	28459	574.16 ug/L	98
3) tert-Butanol (TBA)	7.41	59	106678	169.11 ug/L #	94
5) Dichlorodifluoromethane	4.48	85	572815	22.15 ug/L	98
6) Chloromethane	4.78	50	323600	22.05 ug/L	98
7) Vinyl chloride	5.06	62	394350	25.13 ug/L	98
8) Bromomethane	5.67	94	272231	21.51 ug/L	95
9) Chloroethane	5.87	64	331779	24.80 ug/L	99
10) Trichlorofluoromethane	6.68	101	898550	27.89 ug/L	97
11) Acetone	6.83	43	123411m	35.28 ug/L	
12) Iodomethane	7.46	142	475479	30.25 ug/L	89
13) 1,1-Dichloroethene	7.41	96	418883	25.32 ug/L	98
14) Methylene chloride	7.60	84	453568	23.28 ug/L	100
15) Freon 113	7.67	101	520522	25.12 ug/L	99
16) Carbon disulfide	7.93	76	1119644	24.34 ug/L	98
17) trans-1,2-Dichloroethene	8.48	96	452357	24.13 ug/L	99
18) MTBE	8.62	73	797919	23.70 ug/L	100
19) 1,1-Dichloroethane	8.81	63	854999	24.47 ug/L	100
20) Vinyl acetate	8.96	43	594376	36.78 ug/L	100
21) n-Hexane	9.33	86	89710	26.01 ug/L	95
22) 2-Butanone (MEK)	9.35	72	27714	29.75 ug/L #	1
23) Diisopropylether (DIPE)	9.36	45	1560005	24.45 ug/L	98
24) cis-1,2-dichloroethene	9.55	96	461057	22.94 ug/L	99
25) Bromochloromethane	9.76	128	164663	23.70 ug/L	98
26) Chloroform	9.82	83	873342	23.33 ug/L	100
27) 2,2-Dichloropropane	9.93	77	714082	23.72 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	1147307	23.69 ug/L	98
30) 1,2-Dichloroethane	10.66	62	551923	23.58 ug/L	100
31) 1,1,1-Trichloroethane	10.80	97	768193	23.44 ug/L	99
32) (TAME) tert-Amyl methy eth	11.51	73	814111	24.07 ug/L	100
34) 1,1-Dichloropropene	11.03	75	635340	24.14 ug/L	99
35) Carbon tetrachloride	11.27	117	658743	23.65 ug/L	99
36) Benzene	11.32	78	1541707	23.24 ug/L	100
37) Dibromomethane	12.05	93	226718	23.23 ug/L	100
38) 1,2-Dichloropropane	12.10	63	374921	22.43 ug/L	98
9) Trichloroethene	12.15	95	458419	22.28 ug/L	97
0) Bromodichloromethane	12.21	83	575865	22.16 ug/L	98

(#) = qualifier out of range (m) = manual integration
03141122.D 031411.M Tue Mar 15 14:37:52 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:37 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

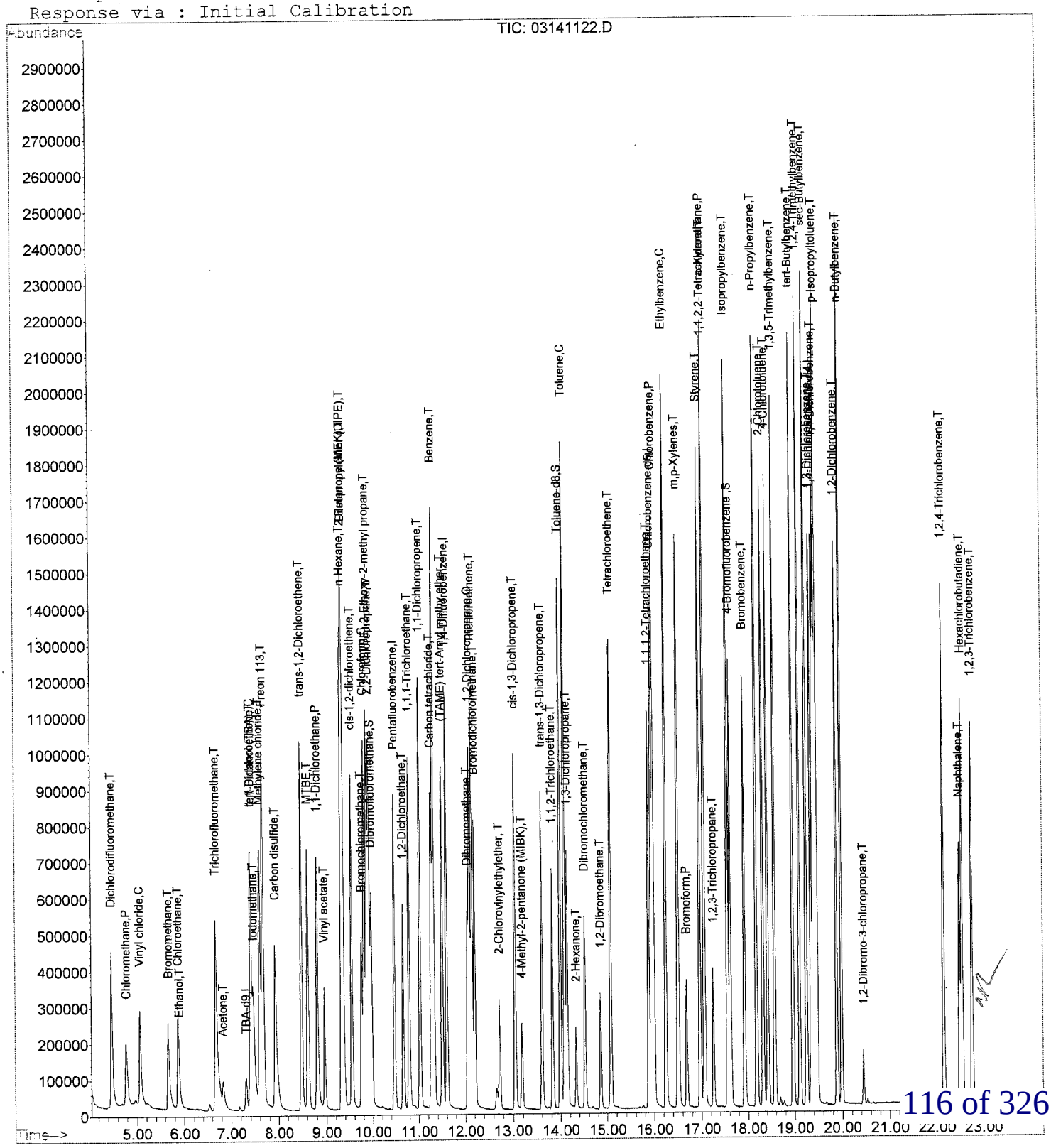
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	132304	24.18 ug/L	98
42) cis-1,3-Dichloropropene	13.04	75	587320	23.10 ug/L	99
43) 4-Methyl-2-pentanone (MIBK	13.18	43	211506	25.62 ug/L	97
44) trans-1,3-Dichloropropene	13.61	75	513196	24.53 ug/L	99
45) 1,1,2-Trichloroethane	13.83	97	252639	22.79 ug/L	98
47) Toluene	14.09	92	921737	22.86 ug/L	100
49) 1,3-Dichloropropane	14.15	76	426003	22.73 ug/L	98
50) 2-Hexanone	14.33	43	190481	32.36 ug/L	99
51) Dibromochloromethane	14.52	129	344977	23.25 ug/L	98
52) 1,2-Dibromoethane	14.86	107	262260	23.20 ug/L	100
53) Tetrachloroethene	15.08	164	397258	23.75 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.88	131	376400	21.98 ug/L	99
55) Chlorobenzene	15.99	112	1020483	23.18 ug/L	99
56) Ethylbenzene	16.25	91	1815661	23.05 ug/L	99
57) m,p-Xylenes	16.51	106	640911	23.10 ug/L	97
58) Styrene	16.96	104	1026074	24.34 ug/L	99
59) o-Xylene	17.07	106	606537	24.78 ug/L	95
62) Bromoform	16.69	173	208945	24.19 ug/L	97
63) 1,1,2,2-Tetrachloroethane	17.05	83	238281	25.47 ug/L	100
64) 1,2,3-Trichloropropane	17.25	110	70538	25.98 ug/L	96
65) Isopropylbenzene	17.56	105	1742791	28.02 ug/L	100
66) Bromobenzene	17.93	156	426879	24.82 ug/L	99
67) n-Propylbenzene	18.17	91	2149723	26.67 ug/L	99
68) 2-Chlorotoluene	18.32	91	1267135	24.91 ug/L	99
69) 4-Chlorotoluene	18.42	91	1309905	25.34 ug/L	100
70) 1,3,5-Trimethylbenzene	18.58	105	1413798	25.34 ug/L	98
71) tert-Butylbenzene	18.96	119	1165627	25.69 ug/L	99
72) 1,2,4-Trimethylbenzene	19.11	105	1465752	26.22 ug/L	99
73) sec-Butylbenzene	19.25	105	1860992	26.03 ug/L	100
74) 1,3-Dichlorobenzene	19.36	146	747624	24.26 ug/L	100
75) 1,4-Dichlorobenzene	19.45	146	767403	24.90 ug/L	99
76) p-Isopropyltoluene	19.48	119	1484315	25.73 ug/L	99
77) 1,2-Dichlorobenzene	19.88	146	671058	24.89 ug/L	100
78) n-Butylbenzene	19.99	91	1506477	26.01 ug/L	100
79) 1,2-Dibromo-3-chloropropan	20.45	75	38751	22.87 ug/L	96
80) 1,2,4-Trichlorobenzene	22.15	180	596391	27.26 ug/L	100
81) Naphthalene	22.50	128	706561	27.72 ug/L	98
82) Hexachlorobutadiene	22.55	225	321549	27.85 ug/L	99
83) 1,2,3-Trichlorobenzene	22.77	180	474453	27.05 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141122.D 031411.M Tue Mar 15 14:37:52 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:37 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



03141122.D 031411.M Tue Mar 15 14:37:54 2011 Page 3

8260 Continuing Calibration (CCV) Report

Sample Name BS/ICV
Data File Name 03141122.D
Operator NL
Date Acquired 3/14/2011 6:01
Acq. Method File 8260B

Internal Standards	Calib. Response	CCV Response	Low	High	P/F
TBA-d9	125792	124354	62177	248708	TRUE
Pentafluorobenzene	699455	706016	353008	1412032	TRUE
1,4-Difluorobenzene	1014981	1059053	529527	2118106	TRUE
Chlorobenzene-d5	936018	958616	479308	1917232	TRUE
1,4-Dichlorobenzene-d4	492554	484312	242156	968624	TRUE

Compound	Amount	Spiked Amount	% Recovery	Low	High	P/F
Ethanol	574.16	250	229.66	80	140	FALSE NR
tert-Butanol (TBA)	169.11	125	135.29	80	120	FALSE I
Dichlorodifluoromethane	22.15	25	88.59	60	150	TRUE
Chloromethane	22.05	25	88.21	60	140	TRUE
Vinyl chloride	25.13	25	100.52	80	120	TRUE
Bromomethane	21.51	25	86.04	70	140	TRUE
Chloroethane	24.80	25	99.21	70	130	TRUE
Trichlorofluoromethane	27.89	25	111.58	70	150	TRUE
Acetone	35.28	25	141.11	10	150	TRUE
Iodomethane	30.25	25	120.99	70	140	TRUE
1,1-Dichloroethene	25.32	25	101.29	80	120	TRUE
Methylene chloride	23.28	25	93.11	70	120	TRUE
Freon 113	25.12	25	100.47	60	140	TRUE
Carbon disulfide	24.34	25	97.38	70	130	TRUE
trans-1,2-Dichloroethene	24.13	25	96.52	80	120	TRUE
MTBE	23.70	25	94.81	70	130	TRUE
1,1-Dichloroethane	24.47	25	97.90	70	125	TRUE
Vinyl acetate	36.78	25	147.12	40	150	TRUE
n-Hexane	26.01	25	104.05	70	130	TRUE
2-Butanone (MEK)	29.75	25	119.00	40	150	TRUE
Diisopropylether (DIPE)	24.45	25	97.82	80	130	TRUE
cis-1,2-dichloroethene	22.94	25	91.76	80	120	TRUE
Bromochloromethane	23.70	25	94.80	80	120	TRUE
Chloroform	23.33	25	93.31	80	120	TRUE
2,2-Dichloropropane	23.72	25	94.89	80	130	TRUE
:TBE) 2-Ethoxy-2-methyl propai	23.69	25	94.75	80	130	TRUE
Dibromofluoromethane	24.67	25	98.67	80	120	TRUE
1,2-Dichloroethane	23.58	25	94.33	75	130	TRUE
1,1,1-Trichloroethane	23.44	25	93.78	80	120	TRUE
(TAME) tert-Amyl methy ether	24.07	25	96.28	80	130	TRUE
1,1-Dichloropropene	24.14	25	96.57	80	120	TRUE
Carbon tetrachloride	23.65	25	94.60	80	130	TRUE
Benzene	23.24	25	92.96	80	120	TRUE

Dibromomethane	23.23	25	92.92	80	120	TRUE
1,2-Dichloropropane	22.43	25	89.71	80	120	TRUE
Trichloroethene	22.28	25	89.12	80	120	TRUE
Bromodichloromethane	22.16	25	88.63	80	120	TRUE
2-Chlorovinylethylether	24.18	25	96.72	70	135	TRUE
cis-1,3-Dichloropropene	23.10	25	92.39	80	120	TRUE
4-Methyl-2-pentanone (MIBK)	25.62	25	102.49	60	130	TRUE
trans-1,3-Dichloropropene	24.53	25	98.13	80	125	TRUE
1,1,2-Trichloroethane	22.79	25	91.16	80	120	TRUE
Toluene-d8	24.93	25	99.70	80	120	TRUE
Toluene	22.86	25	91.45	80	120	TRUE
1,3-Dichloropropane	22.73	25	90.90	80	120	TRUE
2-Hexanone	32.36	25	129.46	20	150	TRUE
Dibromochloromethane	23.25	25	93.01	80	120	TRUE
1,2-Dibromoethane	23.20	25	92.78	80	120	TRUE
Tetrachloroethene	23.75	25	95.01	70	130	TRUE
1,1,1,2-Tetrachloroethane	21.98	25	87.92	80	120	TRUE
Chlorobenzene	23.18	25	92.72	80	120	TRUE
Ethylbenzene	23.05	25	92.20	80	120	TRUE
m,p-Xylenes	23.10	25	92.38	60	140	TRUE
Styrene	24.34	25	97.36	80	120	TRUE
o-Xylene	24.78	25	99.14	80	120	TRUE
4-Bromofluorobenzene	23.94	25	95.77	80	120	TRUE
Bromoform	24.19	25	96.76	80	120	TRUE
1,1,2,2-Tetrachloroethane	25.47	25	101.87	80	120	TRUE
1,2,3-Trichloropropane	25.98	25	103.90	70	130	TRUE
Isopropylbenzene	28.02	25	112.07	80	130	TRUE
Bromobenzene	24.82	25	99.26	80	120	TRUE
n-Propylbenzene	26.67	25	106.69	75	130	TRUE
2-Chlorotoluene	24.91	25	99.64	80	120	TRUE
4-Chlorotoluene	25.34	25	101.35	80	120	TRUE
1,3,5-Trimethylbenzene	25.34	25	101.38	80	130	TRUE
tert-Butylbenzene	25.69	25	102.75	80	120	TRUE
1,2,4-Trimethylbenzene	26.22	25	104.88	80	120	TRUE
sec-Butylbenzene	26.03	25	104.13	80	125	TRUE
1,3-Dichlorobenzene	24.26	25	97.03	80	120	TRUE
1,4-Dichlorobenzene	24.90	25	99.58	80	120	TRUE
p-Isopropyltoluene	25.73	25	102.93	80	130	TRUE
1,2-Dichlorobenzene	24.89	25	99.55	80	120	TRUE
n-Butylbenzene	26.01	25	104.03	80	130	TRUE
1,2-Dibromo-3-chloropropane	22.87	25	91.46	50	150	TRUE
1,2,4-Trichlorobenzene	27.26	25	109.05	50	150	TRUE
Naphthalene	27.72	25	110.86	40	150	TRUE
Hexachlorobutadiene	27.85	25	111.42	40	150	TRUE
1,2,3-Trichlorobenzene	27.05	25	108.22	60	140	TRUE

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	TBA-d9	1.000	1.000	0.0	99	0.00
2	T	Ethanol	0.080	0.183	-128.8#	223#	0.00
3	T	tert-Butanol (TBA)	1.108	1.373	-23.9	141	0.00
4	I	Pentafluorobenzene	1.000	1.000	0.0	101	0.00
5	T	Dichlorodifluoromethane	0.916	0.811	11.5	89	0.00
6	P	Chloromethane	0.520	0.458	11.9	103	0.00
7	C	Vinyl chloride	0.556	0.559	-0.5	104	0.00
8	T	Bromomethane	0.401	0.386	3.7	93	0.00
9	T	Chloroethane	0.474	0.470	0.8	101	0.00
10	T	Trichlorofluoromethane	1.141	1.273	-11.6	111	0.00
11	T	Acetone	0.124	0.175	-41.1#	164#	0.00
12	T	Iodomethane	0.459	0.673	-46.6#	128	0.00
13	C	1,1-Dichloroethene	0.586	0.593	-1.2	107	0.00
14	T	Methylene chloride	0.690	0.642	7.0	100	0.00
15	T	Freon 113	0.734	0.737	-0.4	101	0.00
16	T	Carbon disulfide	1.629	1.586	2.6	111	0.00
17	T	trans-1,2-Dichloroethene	0.664	0.641	3.5	104	0.00
18	T	MTBE	1.192	1.130	5.2	96	0.00
19	P	1,1-Dichloroethane	1.237	1.211	2.1	102	0.00
20	T	Vinyl acetate	0.572	0.842	-47.2#	143	0.00
21	T	n-Hexane	0.122	0.127	-4.1	106	0.00
22	T	2-Butanone (MEK)	0.033	0.039	-18.2	129	0.00
23	T	Diisopropylether (DIPE)	2.259	2.210	2.2	100	0.00
24	T	cis-1,2-dichloroethene	0.712	0.653	8.3	96	0.00
25	T	Bromochloromethane	0.246	0.233	5.3	96	0.00
26	C	Chloroform	1.326	1.237	6.7	99	0.00
27	T	2,2-Dichloropropane	1.066	1.011	5.2	103	0.00
28	T	(ETBE) 2-Ethoxy-2-methyl pr	1.715	1.625	5.2	95	0.00
29	S	Dibromofluoromethane	0.573	0.566	1.2	99	0.00
30	T	1,2-Dichloroethane	0.829	0.782	5.7	97	0.00
31	T	1,1,1-Trichloroethane	1.160	1.088	6.2	97	0.00
32	T	(TAME) tert-Amyl methy ethe	1.198	1.153	3.8	97	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
34	T	1,1-Dichloropropene	0.621	0.600	3.4	104	0.00
35	T	Carbon tetrachloride	0.657	0.622	5.3	100	0.00
36	T	Benzene	1.566	1.456	7.0	102	0.00
37	T	Dibromomethane	0.230	0.214	7.0	97	0.00
38	C	1,2-Dichloropropane	0.395	0.354	10.4	96	0.00
39	T	Trichloroethene	0.486	0.433	10.9	95	0.00
40	T	Bromodichloromethane	0.614	0.544	11.4	94	0.00
41	T	2-Chlorovinylethylether	0.129	0.125	3.1	97	0.00
42	T	cis-1,3-Dichloropropene	0.600	0.555	7.5	97	0.00
43	T	4-Methyl-2-pentanone (MIBK)	0.195	0.200	-2.6	104	0.00
44	T	trans-1,3-Dichloropropene	0.494	0.485	1.8	100	0.00
45	T	1,1,2-Trichloroethane	0.262	0.239	8.8	96	0.00
46	S	Toluene-d8	1.103	1.099	0.4	103	0.00
47	T	Toluene	0.952	0.870	8.6	99	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

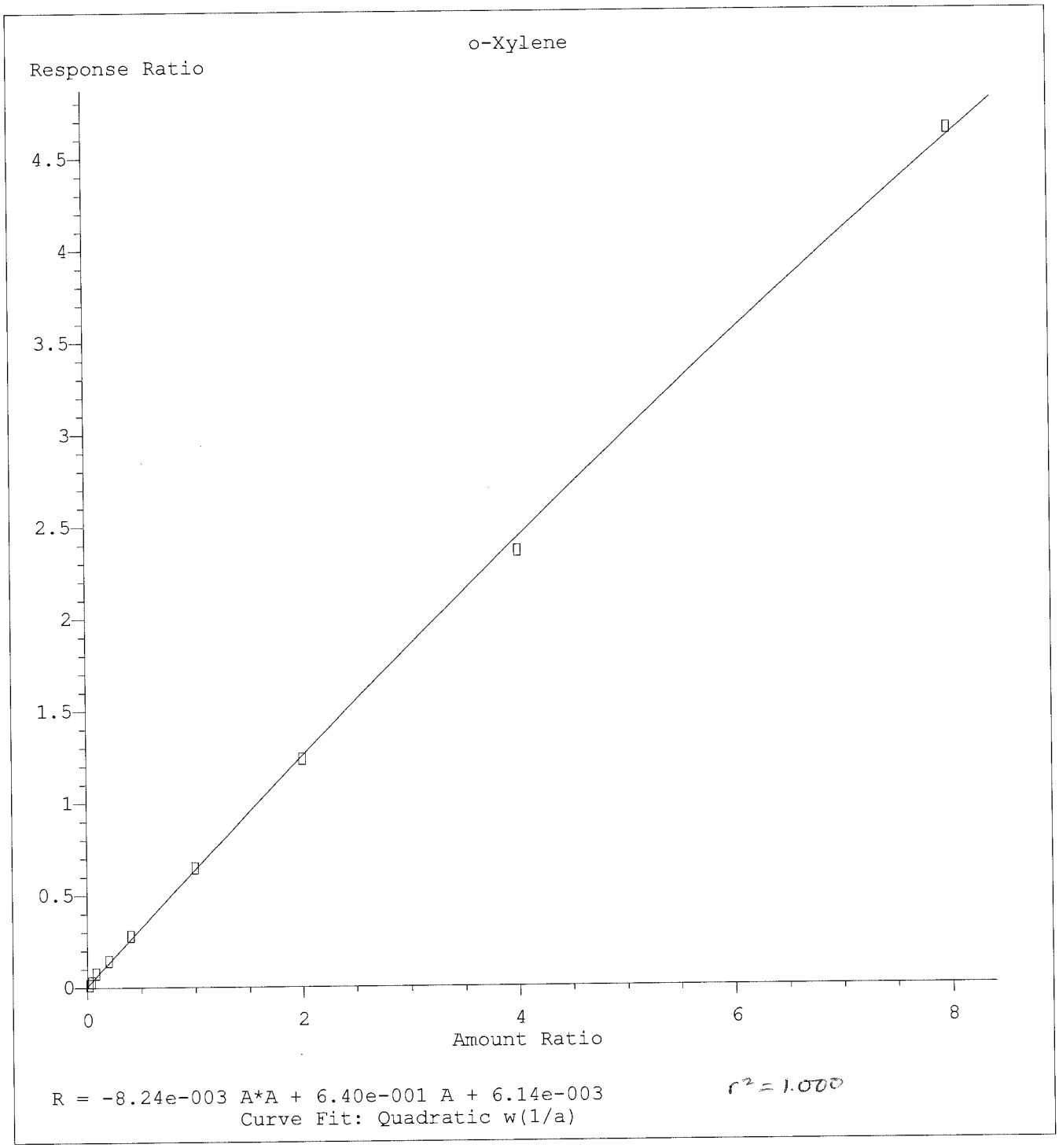
Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,3-Dichloropropane	0.489	0.444	9.2	96	0.00
50	T	2-Hexanone	0.153	0.199	-30.1#	145	0.00
51	T	Dibromochloromethane	0.387	0.360	7.0	96	0.00
52	T	1,2-Dibromoethane	0.295	0.274	7.1	97	0.00
53	T	Tetrachloroethene	0.436	0.414	5.0	105	0.00
54	T	1,1,1,2-Tetrachloroethane	0.447	0.393	12.1	100	0.00
55	P	Chlorobenzene	1.148	1.065	7.2	101	0.00
56	C	Ethylbenzene	2.054	1.894	7.8	98	0.00
57	T	m,p-Xylenes	0.724	0.669	7.6	102	0.00
58	T	Styrene	1.099	1.070	2.6	102	0.00
59	T	o-Xylene	0.692	0.633	8.5	100	0.00
60	S	4-Bromofluorobenzene	0.551	0.528	4.2	100	0.00
61	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
62	P	Bromoform	0.446	0.431	3.4	89	0.00
63	P	1,1,2,2-Tetrachloroethane	0.483	0.492	-1.9	97	0.00
64	T	1,2,3-Trichloropropane	0.140	0.146	-4.3	100	0.00
65	T	Isopropylbenzene	3.211	3.598	-12.1	109	0.00
66	T	Bromobenzene	0.888	0.881	0.8	97	0.00
67	T	n-Propylbenzene	4.160	4.439	-6.7	106	0.00
68	T	2-Chlorotoluene	2.626	2.616	0.4	100	0.00
69	T	4-Chlorotoluene	2.669	2.705	-1.3	102	0.00
70	T	1,3,5-Trimethylbenzene	2.879	2.919	-1.4	101	0.00
71	T	tert-Butylbenzene	2.342	2.407	-2.8	102	0.00
72	T	1,2,4-Trimethylbenzene	2.886	3.026	-4.9	103	0.00
73	T	sec-Butylbenzene	3.690	3.843	-4.1	102	0.00
74	T	1,3-Dichlorobenzene	1.591	1.544	3.0	99	0.00
75	T	1,4-Dichlorobenzene	1.591	1.585	0.4	101	0.00
76	T	p-Isopropyltoluene	2.978	3.065	-2.9	102	0.00
77	T	1,2-Dichlorobenzene	1.392	1.386	0.4	98	0.00
78	T	n-Butylbenzene	2.990	3.111	-4.0	101	0.00
79	T	1,2-Dibromo-3-chloropropane	0.087	0.080	8.0	92	0.00
80	T	1,2,4-Trichlorobenzene	1.129	1.231	-9.0	105	0.00
81	T	Naphthalene	1.316	1.459	-10.9	101	0.00
82	T	Hexachlorobutadiene	0.596	0.664	-11.4	106	0.00
83	T	1,2,3-Trichlorobenzene	0.905	0.980	-8.3	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
03141122.D 031411.M Tue Mar 15 16:11:58 2011



Method Name: C:\HPCHEM\1\GCMS13\METHODS\031411.M
Calibration Table Last Updated: Mon Mar 14 16:22:34 2011

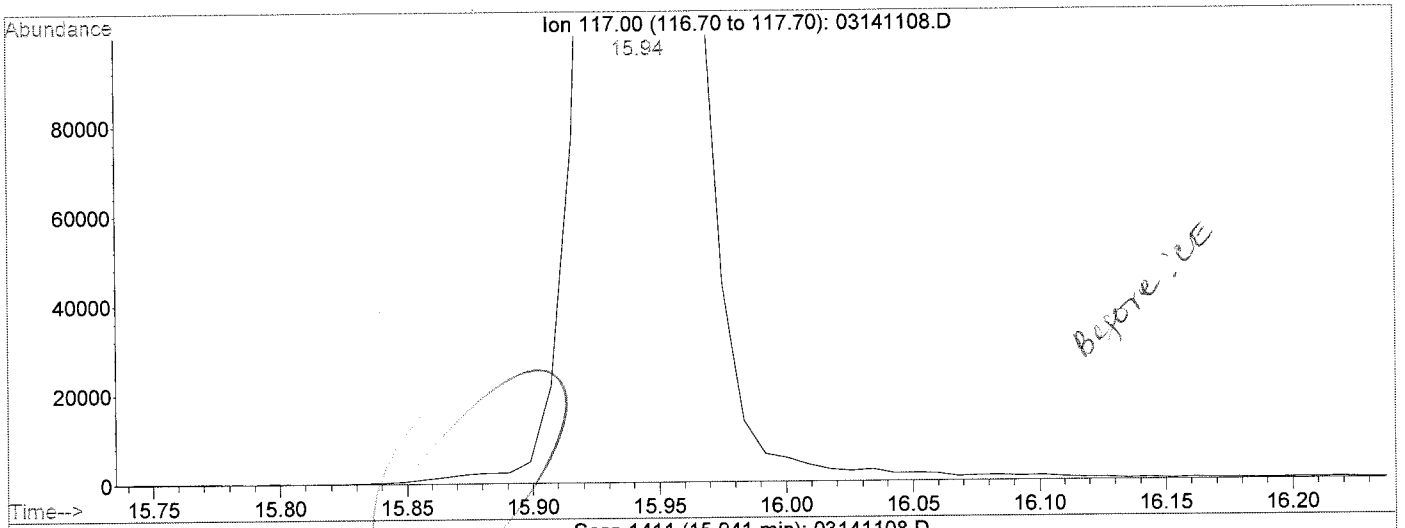
MK 3/15/11

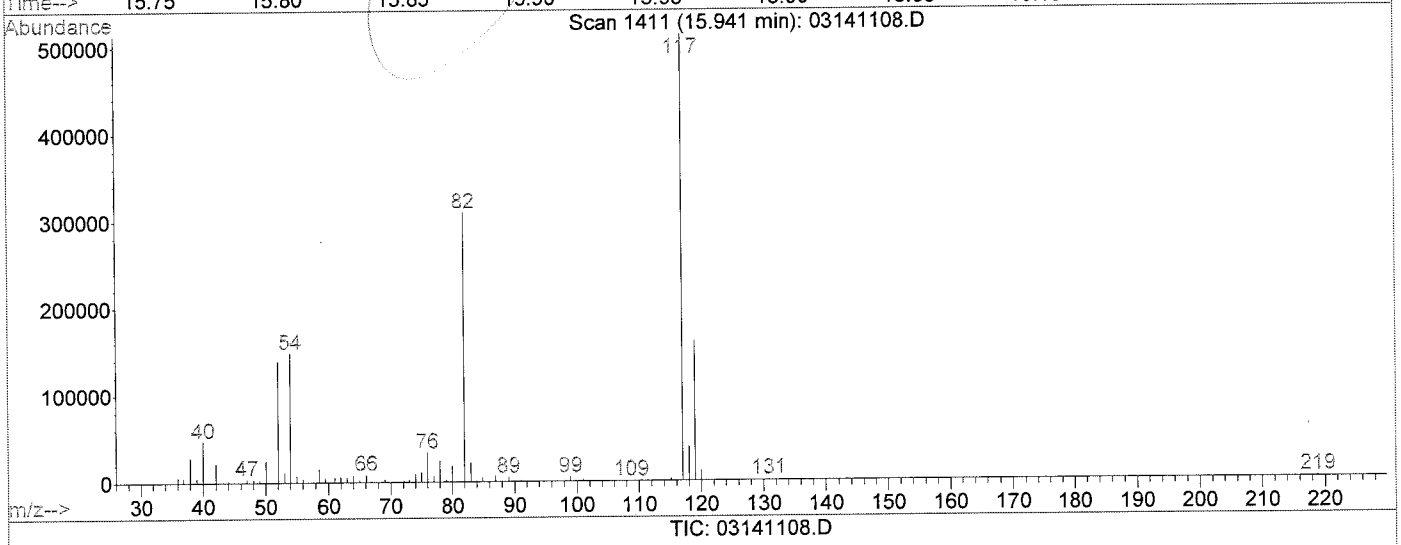
MI 4/1/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:27 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration





(48) Chlorobenzene-d5 (I)

15.94min 25.00ug/L

response 1123564

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

NL 3/15/11

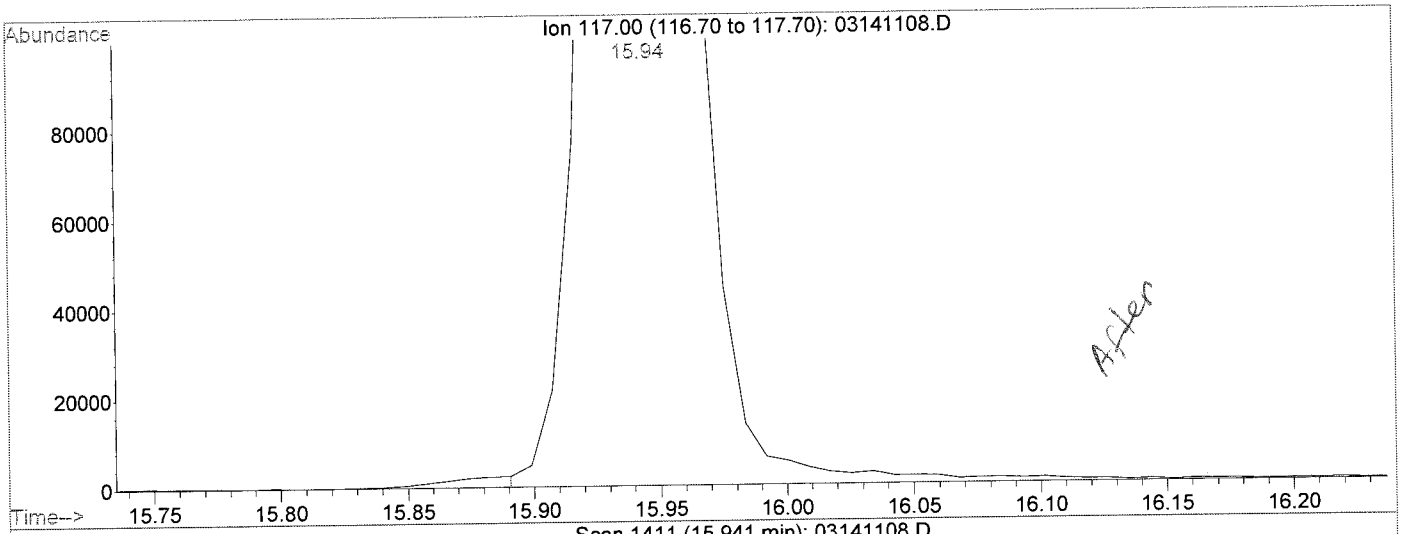
03141108.D 031411.M Tue Mar 15 14:28:09 2011

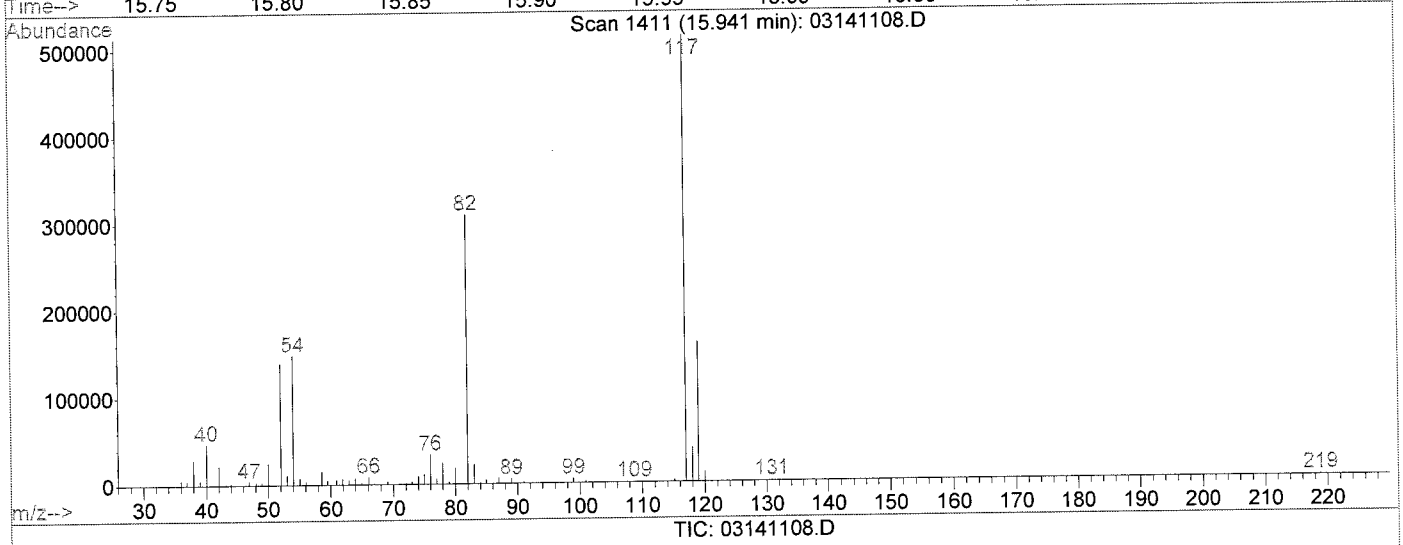
NL 3/16/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:28 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration





(48) Chlorobenzene-d5 (I)

15.94min 25.00ug/L m

response 1118486

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

03141108.D 031411.M Tue Mar 15 14:28:16 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:28 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.33	65	155823	200.00	ug/L	0.02
4) Pentafluorobenzene	10.47	168	879567	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1296569	25.00	ug/L	0.00
48) Chlorobenzene-d5	15.94	117	1118486m	25.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.40	152	624163	25.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	9.98	113	494871	24.54	ug/L	0.00
Spiked Amount 25.000			Recovery =	98.16%		
46) Toluene-d8	13.99	98	1396217	24.42	ug/L	0.00
Spiked Amount 25.000			Recovery =	97.68%		
60) 4-Bromofluorobenzene	17.62	95	632523	25.64	ug/L	0.00
Spiked Amount 25.000			Recovery =	102.56%		

Target Compounds						Qvalue
2) Ethanol	5.93	45	554	8.92	ug/L	73
3) tert-Butanol (TBA)	7.44	59	1698	Below Cal		98
5) Dichlorodifluoromethane	4.51	85	16104	0.50	ug/L	97
6) Chloromethane	4.80	50	9667	0.53	ug/L	90
7) Vinyl chloride	5.10	62	9208	0.47	ug/L #	64
8) Bromomethane	5.68	94	5429	1.17	ug/L CM	86
9) Chloroethane	5.89	64	7629	0.46	ug/L #	92
10) Trichlorofluoromethane	6.70	101	19285	0.48	ug/L	93
11) Acetone	6.88	43	5781	1.33	ug/L # CM	78
12) Iodomethane	7.48	142	2632	1.92	ug/L # ↓	76
13) 1,1-Dichloroethene	7.42	96	10971	0.53	ug/L	83
14) Methylene chloride	7.61	84	13077	0.54	ug/L	97
15) Freon 113	7.68	101	12975	0.50	ug/L	97
16) Carbon disulfide	7.94	76	33782	0.59	ug/L	99
17) trans-1,2-Dichloroethene	8.50	96	11772	0.50	ug/L	94
18) MTBE	8.63	73	19900	0.47	ug/L	97
19) 1,1-Dichloroethane	8.82	63	20504	0.47	ug/L	94
20) Vinyl acetate	8.97	43	9755	0.48	ug/L	96
21) n-Hexane	9.34	86	2173	0.51	ug/L	70
22) 2-Butanone (MEK)	9.37	72	707	0.61	ug/L #	37
23) Diisopropylether (DIPE)	9.37	45	37882	0.48	ug/L	92
24) cis-1,2-dichloroethene	9.56	96	12547	0.50	ug/L	91
25) Bromochloromethane	9.76	128	4023	0.46	ug/L	83
26) Chloroform	9.82	83	22798	0.49	ug/L	96
27) 2,2-Dichloropropane	9.93	77	19634	0.52	ug/L	96
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	27493	0.46	ug/L	97
30) 1,2-Dichloroethane	10.66	62	13904	0.48	ug/L	94
31) 1,1,1-Trichloroethane	10.79	97	19365	0.47	ug/L	91
32) (TAME) tert-Amyl methy eth	11.50	73	19772	0.47	ug/L	96
34) 1,1-Dichloropropene	11.03	75	16108	0.50	ug/L	94
35) Carbon tetrachloride	11.27	117	15491	0.45	ug/L	94
36) Benzene	11.33	78	40638	0.50	ug/L	100
37) Dibromomethane	12.05	93	5616	0.47	ug/L	96
38) 1,2-Dichloropropane	12.09	63	9890	0.48	ug/L	92
39) Trichloroethene	12.14	95	12969	0.51	ug/L	91
40) Bromodichloromethane	12.21	83	14786	0.46	ug/L	97

(#) = qualifier out of range (m) = manual integration
03141108.D 031411.M Tue Mar 15 14:28:21 2011

M 4/16/11

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:28 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

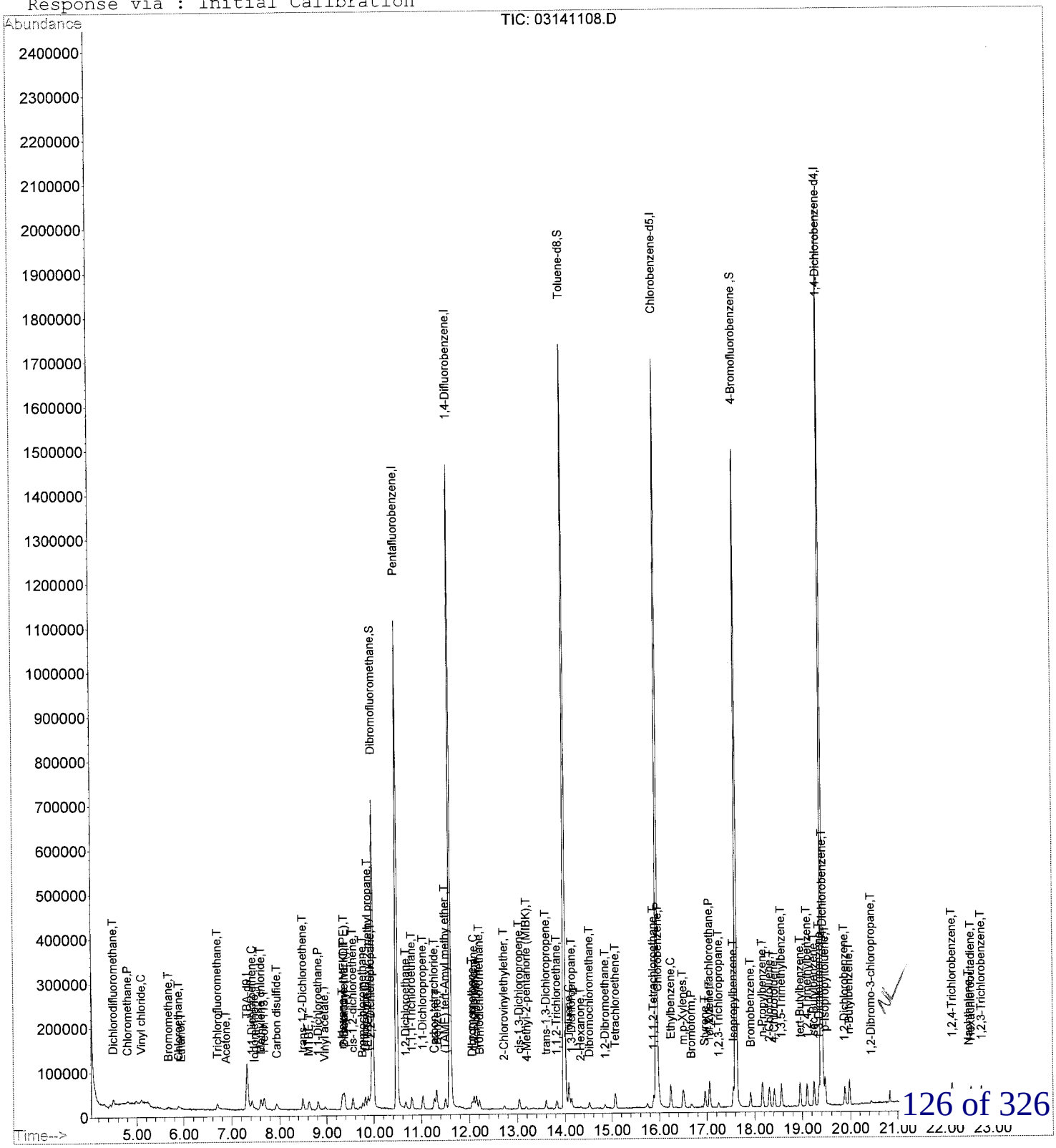
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	3181	0.47 ug/L	95
42) cis-1,3-Dichloropropene	13.04	75	14783	0.47 ug/L	96
43) 4-Methyl-2-pentanone (MIBK	13.18	43	4824	0.48 ug/L	97
44) trans-1,3-Dichloropropene	13.60	75	11216	0.44 ug/L	95
45) 1,1,2-Trichloroethane	13.82	97	6341	0.47 ug/L	94
47) Toluene	14.08	92	23238	0.47 ug/L	93
49) 1,3-Dichloropropane	14.14	76	10638	0.49 ug/L #	86
50) 2-Hexanone	14.33	43	3785	0.55 ug/L #	91
51) Dibromochloromethane	14.52	129	7965	0.46 ug/L	93
52) 1,2-Dibromoethane	14.85	107	6725	0.51 ug/L	94
53) Tetrachloroethene	15.07	164	9968	0.51 ug/L	96
54) 1,1,1,2-Tetrachloroethane	15.87	131	12849	0.64 ug/L #	49
55) Chlorobenzene	15.98	112	26010	0.51 ug/L	91
56) Ethylbenzene	16.25	91	45873	0.50 ug/L	99
57) m,p-Xylenes	16.51	106	16402	0.51 ug/L	94
58) Styrene	16.96	104	22674	0.46 ug/L	98
59) o-Xylene	17.06	106	15253	* 0.29 ug/L	96
62) Bromoform	16.68	173	4397	0.39 ug/L	92
63) 1,1,2,2-Tetrachloroethane	17.04	83	6485	0.54 ug/L #	91
64) 1,2,3-Trichloropropane	17.25	110	1742	0.50 ug/L	98
65) Isopropylbenzene	17.56	105	36954	0.46 ug/L	99
66) Bromobenzene	17.92	156	11055	0.50 ug/L	99
67) n-Propylbenzene	18.17	91	50276	0.48 ug/L	100
68) 2-Chlorotoluene	18.31	91	31749	0.48 ug/L	100
69) 4-Chlorotoluene	18.41	91	31263	0.47 ug/L	98
70) 1,3,5-Trimethylbenzene	18.57	105	33141	0.46 ug/L	96
71) tert-Butylbenzene	18.95	119	28395	0.49 ug/L	98
72) 1,2,4-Trimethylbenzene	19.10	105	34157	0.47 ug/L	96
73) sec-Butylbenzene	19.24	105	44712	0.49 ug/L	98
74) 1,3-Dichlorobenzene	19.35	146	19897	0.50 ug/L	93
75) 1,4-Dichlorobenzene	19.43	146	20529	0.52 ug/L	92
76) p-Isopropyltoluene	19.48	119	37737	0.51 ug/L	99
77) 1,2-Dichlorobenzene	19.88	146	17654	0.51 ug/L	95
78) n-Butylbenzene	19.97	91	34571	0.46 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.43	75	1633	0.75 ug/L #	67
80) 1,2,4-Trichlorobenzene	22.15	180	13689	0.49 ug/L	93
81) Naphthalene	22.50	128	14868	0.45 ug/L	97
82) Hexachlorobutadiene	22.55	225	6055	0.41 ug/L #	87
83) 1,2,3-Trichlorobenzene	22.76	180	10973	0.49 ug/L	98

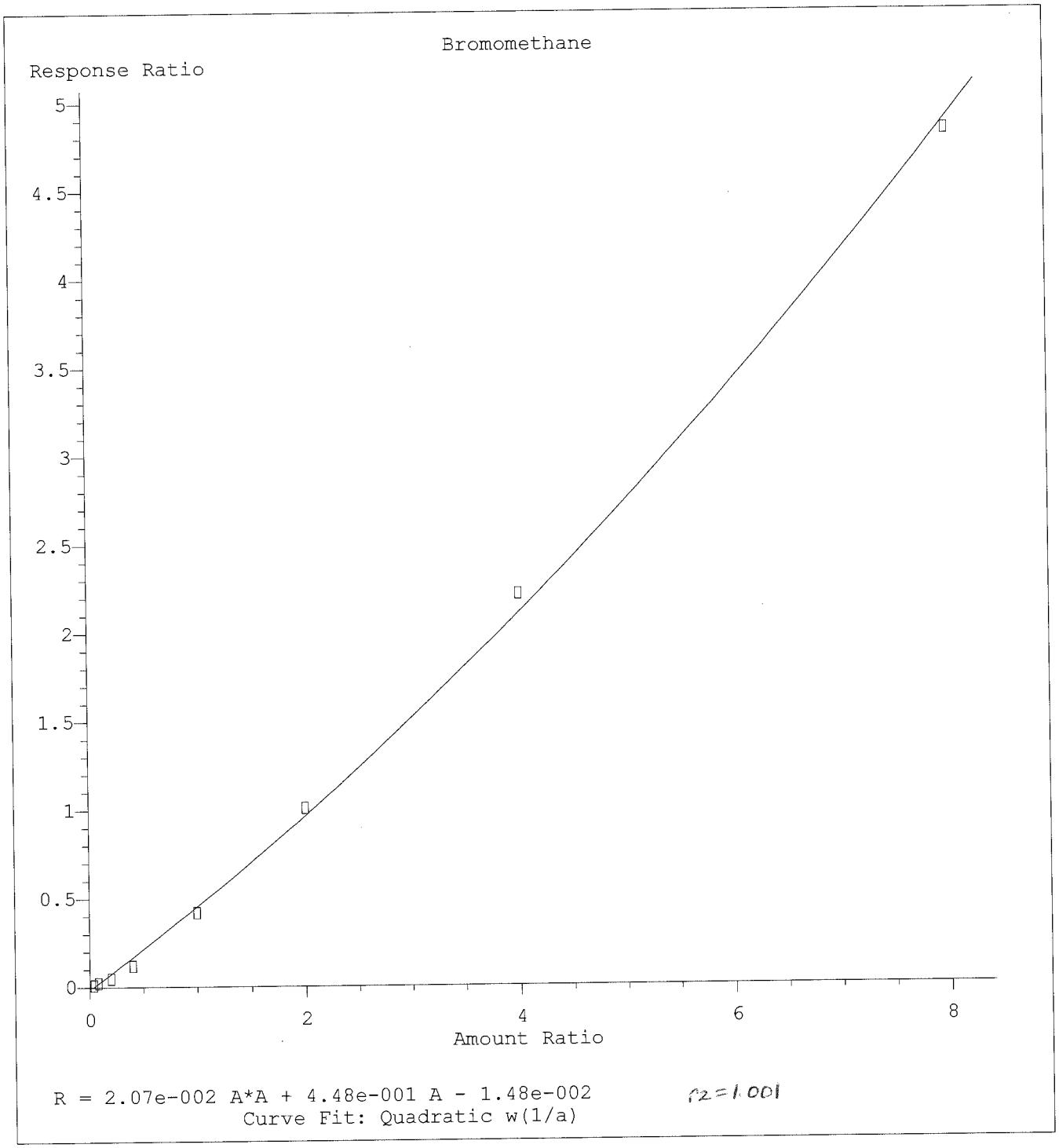
(#) = qualifier out of range (m) = manual integration
03141108.D 031411.M Tue Mar 15 14:28:21 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:28 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration





Method Name: C:\HPCHEM\1\GCMS13\METHODS\031411.M
Calibration Table Last Updated: Mon Mar 14 16:22:34 2011

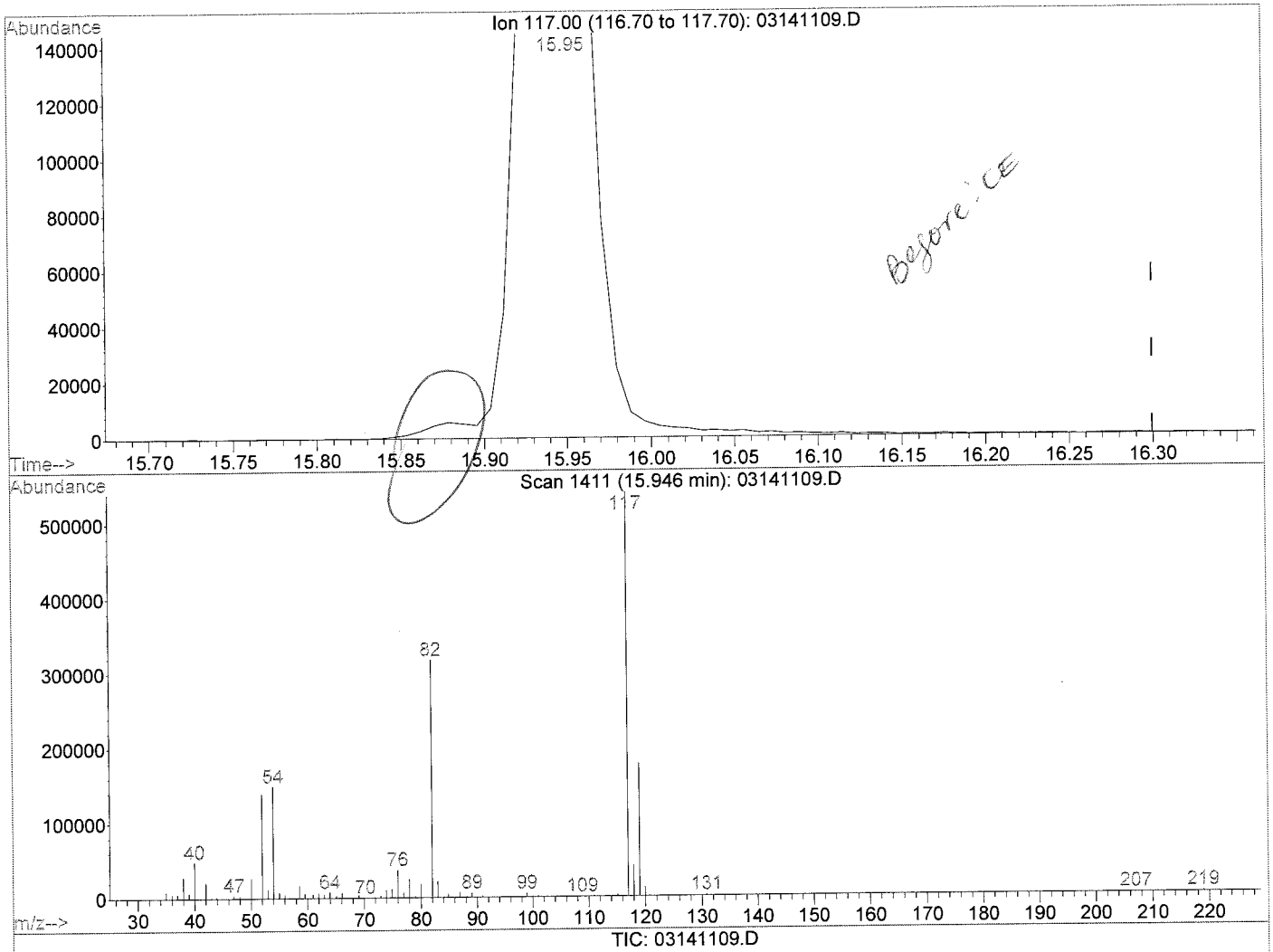
NK 3/15/11

3/16/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:28 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration



(48) Chlorobenzene-d5 (I)

15.95min 25.00ug/L

response 1174140

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

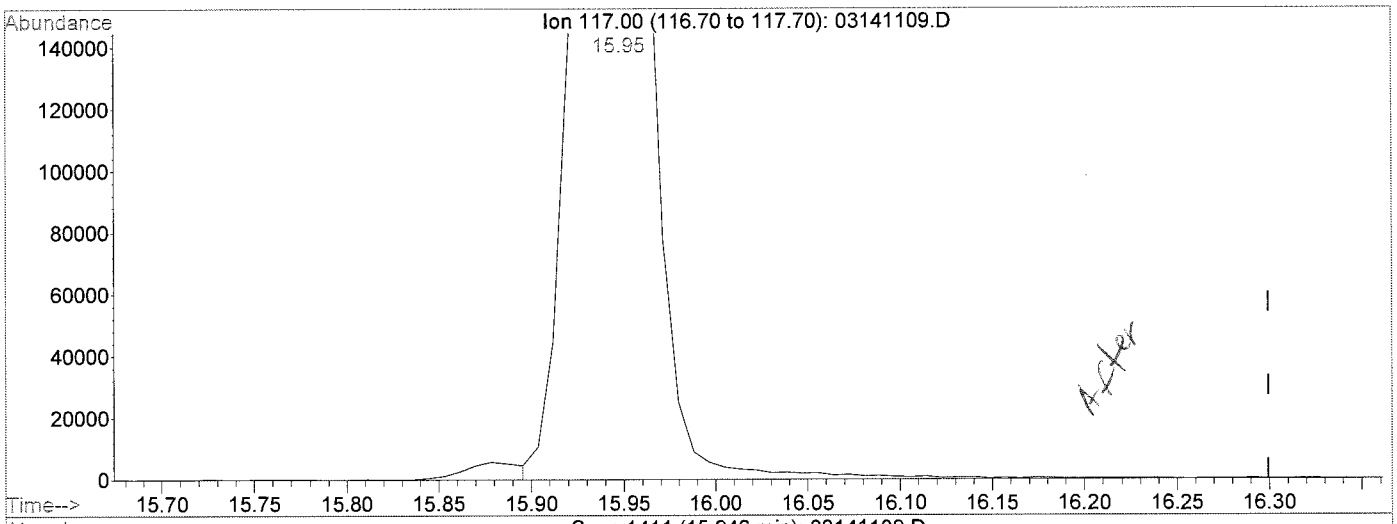
NL 3/15/11

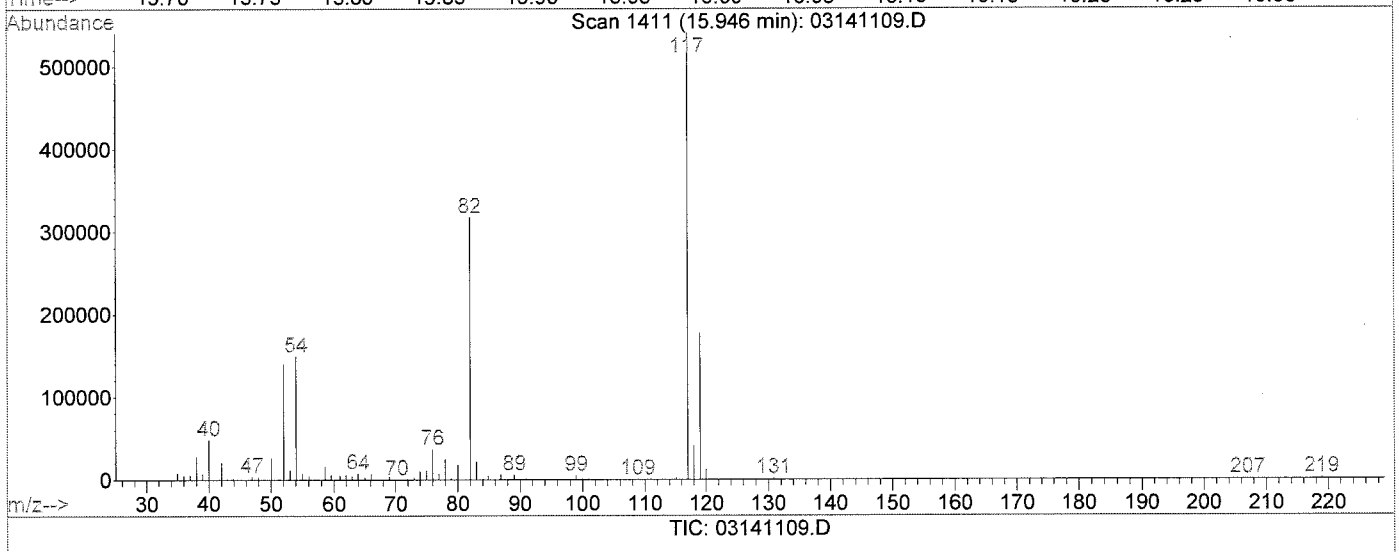
03141109.D 031411.M Tue Mar 15 14:29:11 2011

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:29 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration





(48) Chlorobenzene-d5 (I)

15.95min 25.00ug/L m

response 1161807

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

03141109.D 031411.M Tue Mar 15 14:29:15 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:29 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.32	65	163525	200.00	ug/L	0.01
4) Pentafluorobenzene	10.48	168	922360	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1341500	25.00	ug/L	0.00
48) Chlorobenzene-d5	15.95	117	1161807m	25.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.40	152	656554	25.00	ug/L	-0.01
System Monitoring Compounds						
29) Dibromofluoromethane	9.97	113	511715	24.20	ug/L	0.00
Spiked Amount 25.000			Recovery	=	96.80%	
46) Toluene-d8	13.99	98	1439541	24.33	ug/L	0.00
Spiked Amount 25.000			Recovery	=	97.32%	
60) 4-Bromofluorobenzene	17.62	95	651071	25.40	ug/L	0.00
Spiked Amount 25.000			Recovery	=	101.60%	

Target Compounds						Qvalue
2) Ethanol	5.91	45	1382	21.20	ug/L	94
3) tert-Butanol (TBA)	7.43	59	5161	1.41	ug/L	100
5) Dichlorodifluoromethane	4.50	85	30732	0.91	ug/L	96
6) Chloromethane	4.80	50	18061	0.94	ug/L	93
7) Vinyl chloride	5.09	62	18944	0.92	ug/L #	80
8) Bromomethane	5.69	94	10522	* 1.46	ug/L	100
9) Chloroethane	5.89	64	16939	0.97	ug/L	95
10) Trichlorofluoromethane	6.70	101	37937	0.90	ug/L	98
11) Acetone	6.86	43	5576	1.22	ug/L #	74
12) Iodomethane	7.47	142	8584	2.18	ug/L #	82
13) 1,1-Dichloroethene	7.42	96	19437	0.90	ug/L	97
14) Methylene chloride	7.61	84	26278	1.03	ug/L	99
15) Freon 113	7.68	101	25302	0.93	ug/L	95
16) Carbon disulfide	7.94	76	60995	1.02	ug/L	95
17) trans-1,2-Dichloroethene	8.49	96	22356	0.91	ug/L	98
18) MTBE	8.63	73	41710	0.95	ug/L	97
19) 1,1-Dichloroethane	8.82	63	44289	0.97	ug/L	99
20) Vinyl acetate	8.98	43	20648	0.98	ug/L	99
21) n-Hexane	9.32	86	4597	1.02	ug/L	91
22) 2-Butanone (MEK)	9.36	72	1170	0.96	ug/L #	98
23) Diisopropylether (DIPE)	9.36	45	87611	1.05	ug/L	98
24) cis-1,2-dichloroethene	9.55	96	24956	0.95	ug/L	99
25) Bromochloromethane	9.76	128	8986	0.99	ug/L	85
26) Chloroform	9.82	83	47855	0.98	ug/L	99
27) 2,2-Dichloropropane	9.93	77	39501	1.00	ug/L	98
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	62766	0.99	ug/L	97
30) 1,2-Dichloroethane	10.66	62	29939	0.98	ug/L	99
31) 1,1,1-Trichloroethane	10.80	97	39206	0.92	ug/L	94
32) (TAME) tert-Amyl methy eth	11.50	73	43031	0.97	ug/L	98
34) 1,1-Dichloropropene	11.03	75	31960	0.96	ug/L	98
35) Carbon tetrachloride	11.27	117	32401	0.92	ug/L	99
36) Benzene	11.32	78	81624	0.97	ug/L	99
37) Dibromomethane	12.05	93	11887	0.96	ug/L	95
38) 1,2-Dichloropropane	12.09	63	20550	0.97	ug/L #	86
39) Trichloroethene	12.14	95	25397	0.97	ug/L	99
40) Bromodichloromethane	12.21	83	30659	0.93	ug/L	100

(#) = qualifier out of range (m) = manual integration
03141109.D 031411.M Tue Mar 15 14:29:20 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:29 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

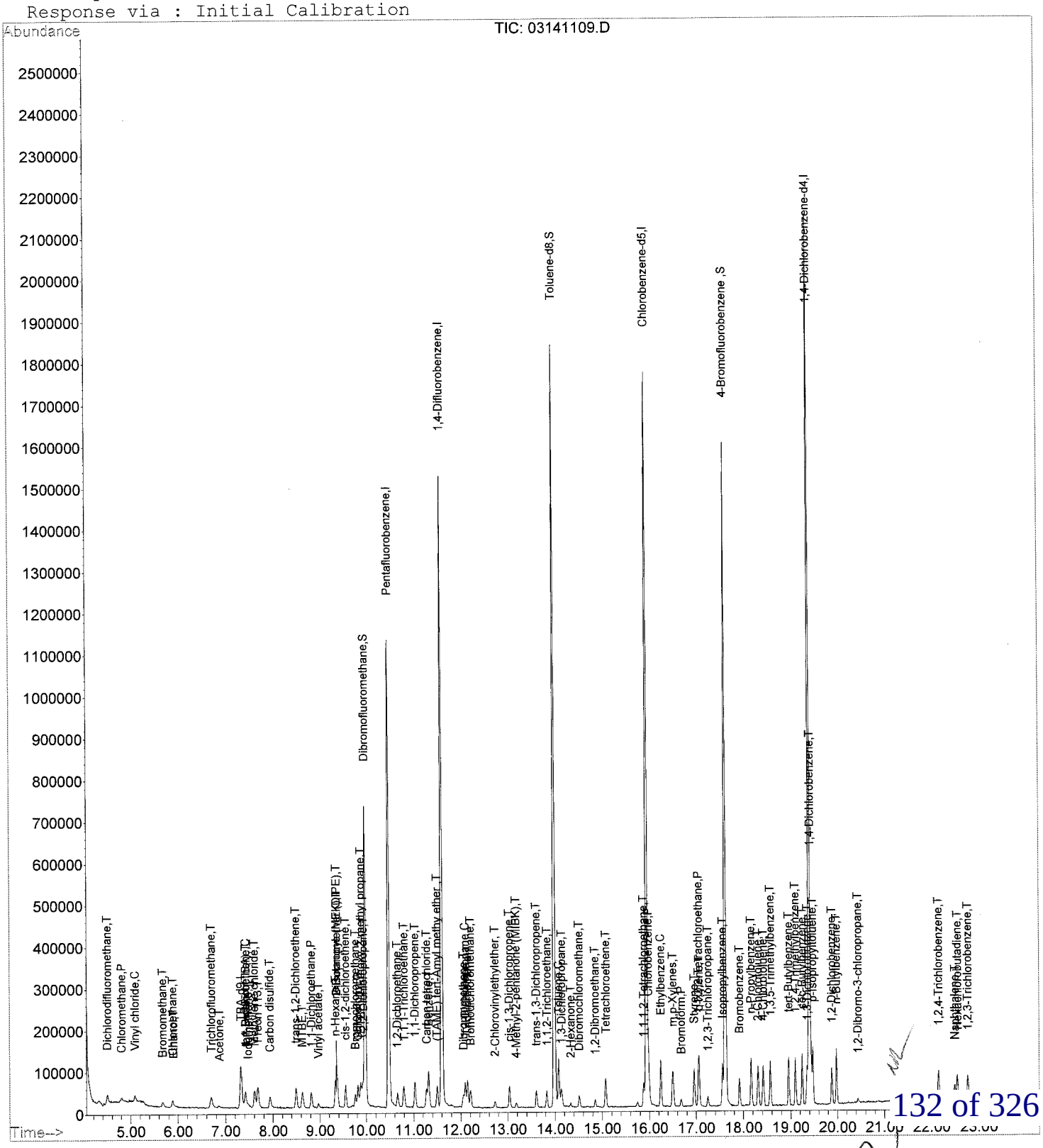
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.72	63	6316	0.91 ug/L	93
42) cis-1,3-Dichloropropene	13.03	75	30586	0.95 ug/L	98
43) 4-Methyl-2-pentanone (MIBK	13.18	43	9919	0.95 ug/L	94
44) trans-1,3-Dichloropropene	13.60	75	24804	0.94 ug/L	94
45) 1,1,2-Trichloroethane	13.83	97	13697	0.98 ug/L	98
47) Toluene	14.08	92	51724	1.01 ug/L	98
49) 1,3-Dichloropropane	14.14	76	23878	1.05 ug/L	95
50) 2-Hexanone	14.33	43	7442	1.04 ug/L #	88
51) Dibromochloromethane	14.52	129	15956	0.89 ug/L	98
52) 1,2-Dibromoethane	14.85	107	13364	0.98 ug/L	100
53) Tetrachloroethene	15.08	164	20940	1.03 ug/L	93
54) 1,1,1,2-Tetrachloroethane	15.88	131	20465	0.99 ug/L	91
55) Chlorobenzene	15.99	112	55554	1.04 ug/L #	81
56) Ethylbenzene	16.24	91	98106	1.03 ug/L	99
57) m,p-Xylenes	16.50	106	34501	1.03 ug/L	98
58) Styrene	16.96	104	50145	0.98 ug/L	98
59) o-Xylene	17.06	106	33764	0.90 ug/L	99
62) Bromoform	16.68	173	10070	0.86 ug/L	87
63) 1,1,2,2-Tetrachloroethane	17.04	83	12898	1.02 ug/L #	93
64) 1,2,3-Trichloropropane	17.25	110	3454	0.94 ug/L	96
65) Isopropylbenzene	17.56	105	83225	0.99 ug/L	99
66) Bromobenzene	17.91	156	22567	0.97 ug/L	99
67) n-Propylbenzene	18.17	91	107954	0.99 ug/L	98
68) 2-Chlorotoluene	18.31	91	69416	1.01 ug/L	100
69) 4-Chlorotoluene	18.42	91	72338	1.03 ug/L	100
70) 1,3,5-Trimethylbenzene	18.57	105	75804	1.00 ug/L	100
71) tert-Butylbenzene	18.96	119	61061	0.99 ug/L	99
72) 1,2,4-Trimethylbenzene	19.10	105	74433	0.98 ug/L	97
73) sec-Butylbenzene	19.25	105	94039	0.97 ug/L	100
74) 1,3-Dichlorobenzene	19.35	146	43178	1.03 ug/L	97
75) 1,4-Dichlorobenzene	19.43	146	44611	1.07 ug/L #	91
76) p-Isopropyltoluene	19.47	119	78344	1.00 ug/L	98
77) 1,2-Dichlorobenzene	19.88	146	36641	1.00 ug/L	98
78) n-Butylbenzene	19.98	91	77186	0.98 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.44	75	1968	0.86 ug/L	87
80) 1,2,4-Trichlorobenzene	22.15	180	28151	0.95 ug/L	94
81) Naphthalene	22.49	128	31633	0.92 ug/L	100
82) Hexachlorobutadiene	22.54	225	15443	0.99 ug/L	94
83) 1,2,3-Trichlorobenzene	22.76	180	22752	0.96 ug/L	99

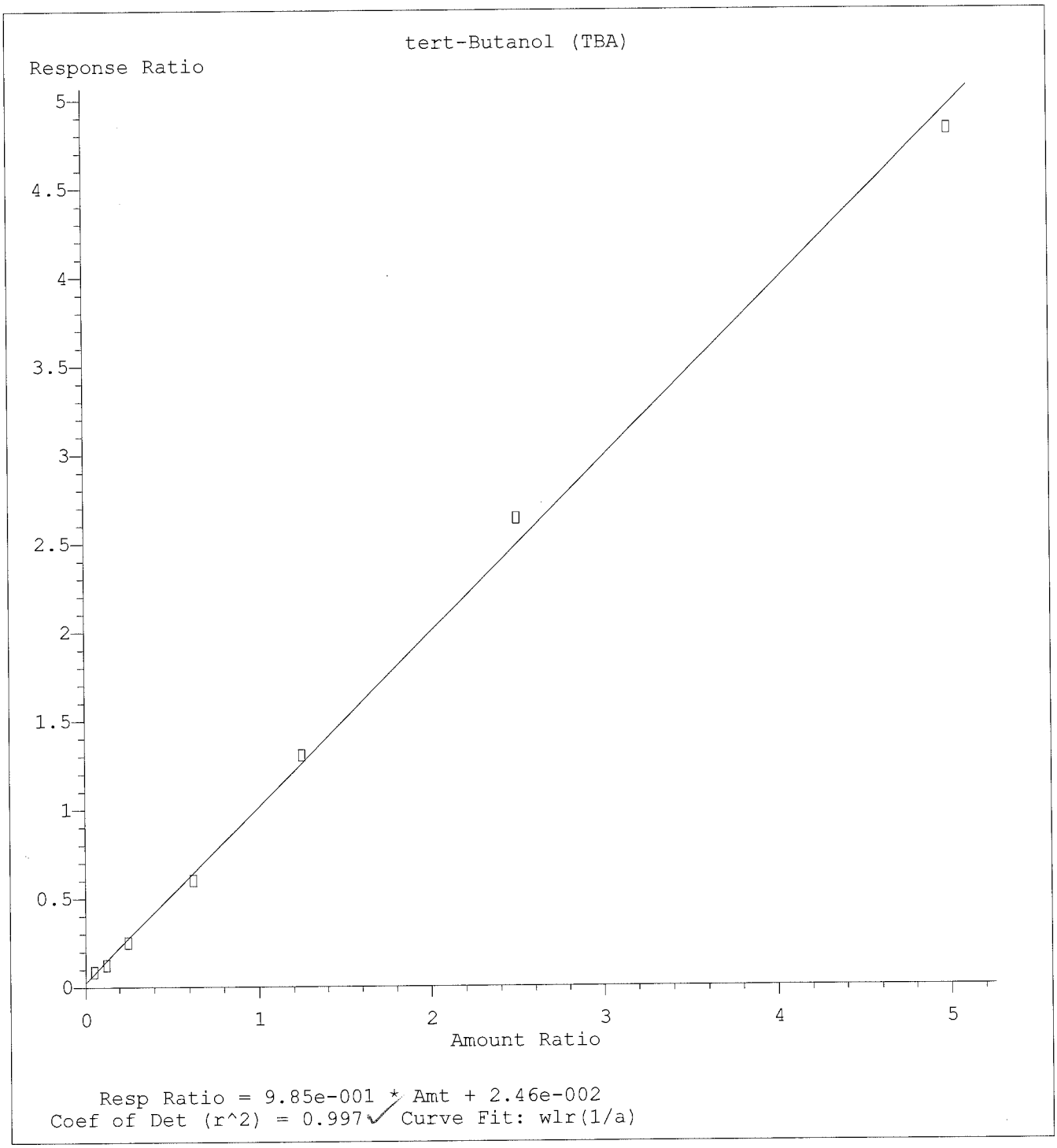
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:29 2011 Quant Results File: 031411.RES

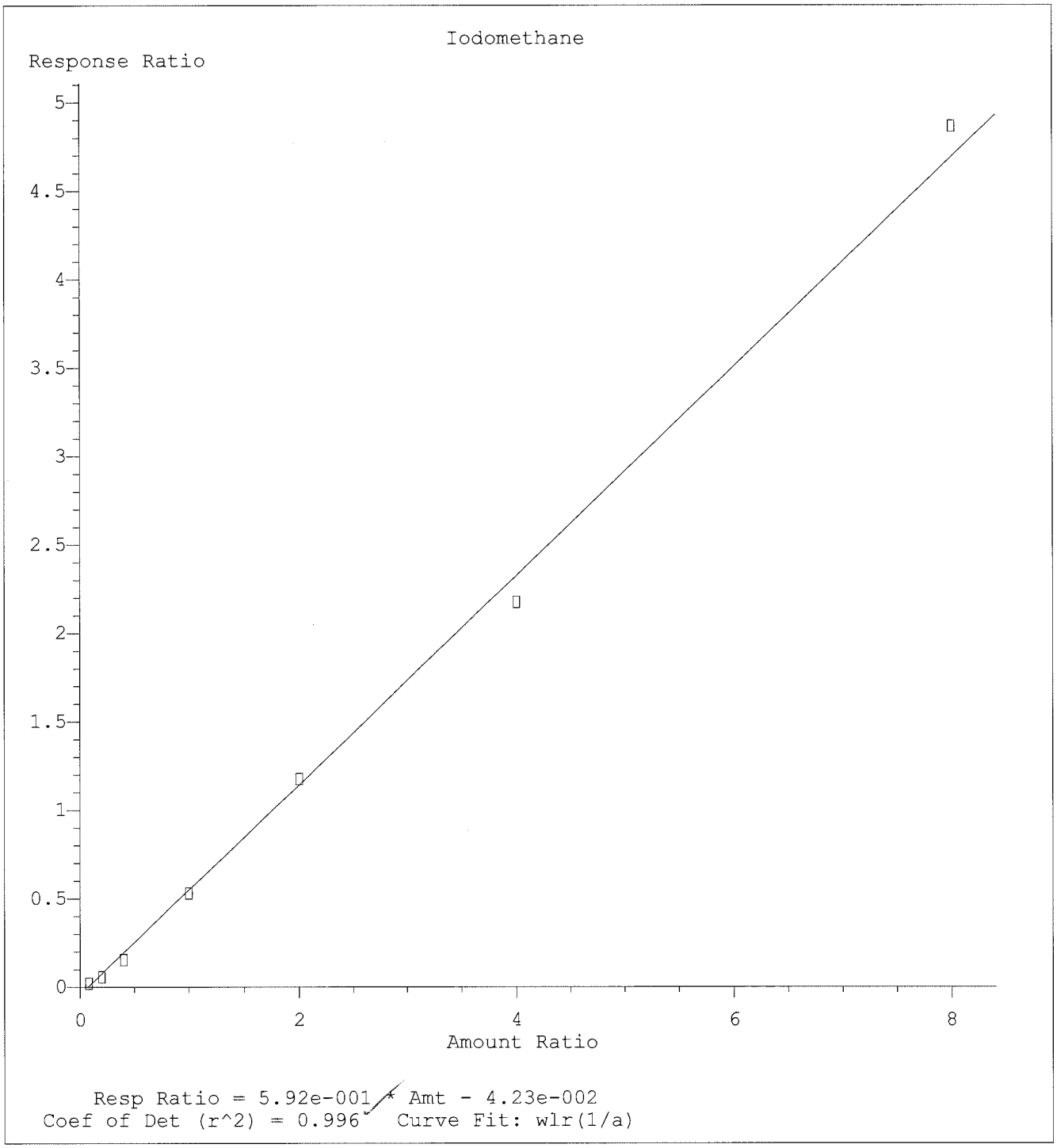
Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration





Method Name: C:\HPCHEM\1\GCMS13\METHODS\031411.M
Calibration Table Last Updated: Mon Mar 14 16:22:34 2011

NL 3/15/11



Method Name: C:\HPCHEM\1\GCMS13\METHODS\031411.M
Calibration Table Last Updated: Mon Mar 14 16:22:34 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D Vial: 8
Acq On : 14 Mar 2011 12:14 pm Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:29 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	118356	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	711317	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1057424	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.94	117	932115	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.40	152	524222	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	415304	25.46 ug/L	0.00
Spiked Amount 25.000			Recovery =	101.84%	
46) Toluene-d8	13.98	98	1156864	24.81 ug/L	0.00
Spiked Amount 25.000			Recovery =	99.24%	
60) 4-Bromofluorobenzene	17.62	95	527208	25.64 ug/L	0.00
Spiked Amount 25.000			Recovery =	102.56%	

Target Compounds					Qvalue
2) Ethanol	5.93	45	2666	56.51 ug/L	76
3) tert-Butanol (TBA)	7.42	59	10211	12.52 ug/L #	89
5) Dichlorodifluoromethane	4.47	85	53625	2.06 ug/L	98
6) Chloromethane	4.78	50	32657	2.21 ug/L	91
7) Vinyl chloride	5.07	62	37358	2.36 ug/L #	82
8) Bromomethane	5.66	94	17100	2.16 ug/L	82
9) Chloroethane	5.87	64	35588	2.64 ug/L	99
10) Trichlorofluoromethane	6.68	101	68707	2.12 ug/L	95
11) Acetone	6.84	43	13114	3.72 ug/L	92
12) Iodomethane	7.47	142	15441	* 2.71 ug/L #	86
13) 1,1-Dichloroethene	7.41	96	39307	2.36 ug/L	97
14) Methylene chloride	7.60	84	47605	2.42 ug/L	99
15) Freon 113	7.66	101	41898	2.01 ug/L	97
16) Carbon disulfide	7.93	76	119287	2.57 ug/L	98
17) trans-1,2-Dichloroethene	8.48	96	50567	2.68 ug/L	99
18) MTBE	8.62	73	68393	2.02 ug/L	96
19) 1,1-Dichloroethane	8.80	63	90989	2.59 ug/L	96
20) Vinyl acetate	8.95	43	32801	2.01 ug/L	97
21) n-Hexane	9.32	86	7296	2.10 ug/L	90
22) 2-Butanone (MEK)	9.35	72	2282	2.43 ug/L #	70
23) Diisopropylether (DIPE)	9.36	45	154386	2.40 ug/L	99
24) cis-1,2-dichloroethene	9.55	96	52692	2.60 ug/L	97
25) Bromochloromethane	9.76	128	15165	2.17 ug/L	91
26) Chloroform	9.82	83	98924	2.62 ug/L	98
27) 2,2-Dichloropropane	9.92	77	82629	2.72 ug/L	95
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	108864	2.23 ug/L	99
30) 1,2-Dichloroethane	10.66	62	52451	2.22 ug/L	99
31) 1,1,1-Trichloroethane	10.79	97	82372	2.50 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	72398	2.12 ug/L	97
34) 1,1-Dichloropropene	11.02	75	62603	2.38 ug/L	98
35) Carbon tetrachloride	11.27	117	65324	2.35 ug/L	99
36) Benzene	11.32	78	170501	2.57 ug/L	99
37) Dibromomethane	12.04	93	21366	2.19 ug/L	96
38) 1,2-Dichloropropane	12.09	63	42314	2.54 ug/L	98
39) Trichloroethene	12.14	95	51563	2.51 ug/L	98
40) Bromodichloromethane	12.20	83	60974	2.35 ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D Vial: 8
Acq On : 14 Mar 2011 12:14 pm Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:29 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

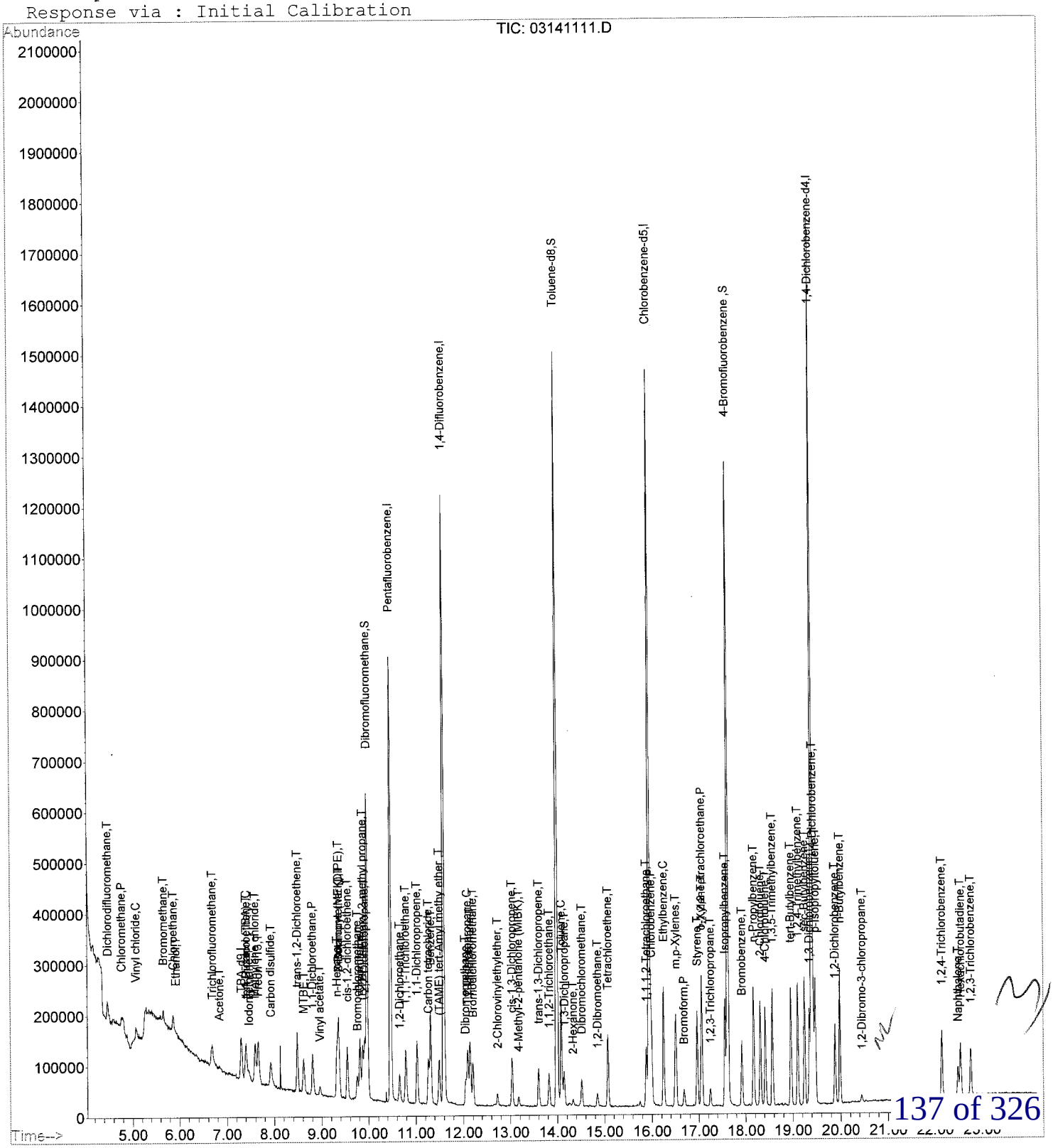
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	10374	1.90 ug/L	98
42) cis-1,3-Dichloropropene	13.04	75	59645	2.35 ug/L	97
43) 4-Methyl-2-pentanone (MIBK	13.17	43	16382	1.99 ug/L	98
44) trans-1,3-Dichloropropene	13.60	75	45501	2.18 ug/L	96
45) 1,1,2-Trichloroethane	13.82	97	24061	2.17 ug/L	95
47) Toluene	14.08	92	105845	2.63 ug/L	99
49) 1,3-Dichloropropane	14.14	76	39874	2.19 ug/L	94
50) 2-Hexanone	14.33	43	12588	2.20 ug/L #	93
51) Dibromochloromethane	14.52	129	31703	2.20 ug/L	96
52) 1,2-Dibromoethane	14.84	107	21699	1.97 ug/L	97
53) Tetrachloroethene	15.07	164	40249	2.48 ug/L	98
54) 1,1,1,2-Tetrachloroethane	15.87	131	39605	2.38 ug/L	95
55) Chlorobenzene	15.99	112	109100	2.55 ug/L	92
56) Ethylbenzene	16.25	91	203956	2.66 ug/L	99
57) m,p-Xylenes	16.51	106	71329	2.64 ug/L	100
58) Styrene	16.96	104	102326	2.50 ug/L	98
59) o-Xylene	17.06	106	71297	2.75 ug/L	100
62) Bromoform	16.68	173	19630	2.10 ug/L	95
63) 1,1,2,2-Tetrachloroethane	17.05	83	21130	2.09 ug/L #	91
64) 1,2,3-Trichloropropane	17.25	110	5768	1.96 ug/L	98
65) Isopropylbenzene	17.56	105	171913	2.55 ug/L	99
66) Bromobenzene	17.92	156	44118	2.37 ug/L	98
67) n-Propylbenzene	18.17	91	224077	2.57 ug/L	99
68) 2-Chlorotoluene	18.31	91	141164	2.56 ug/L	100
69) 4-Chlorotoluene	18.41	91	146784	2.62 ug/L	99
70) 1,3,5-Trimethylbenzene	18.57	105	155498	2.58 ug/L	98
71) tert-Butylbenzene	18.96	119	125198	2.55 ug/L	99
72) 1,2,4-Trimethylbenzene	19.11	105	158655	2.62 ug/L	97
73) sec-Butylbenzene	19.25	105	197903	2.56 ug/L	100
74) 1,3-Dichlorobenzene	19.35	146	83448	2.50 ug/L	99
75) 1,4-Dichlorobenzene	19.43	146	84260	2.53 ug/L	95
76) p-Isopropyltoluene	19.48	119	159587	2.56 ug/L	99
77) 1,2-Dichlorobenzene	19.88	146	68995	2.36 ug/L	99
78) n-Butylbenzene	19.98	91	159253	2.54 ug/L	100
79) 1,2-Dibromo-3-chloropropan	20.45	75	4340	2.37 ug/L #	79
80) 1,2,4-Trichlorobenzene	22.15	180	52445	2.21 ug/L	98
81) Naphthalene	22.50	128	55232	2.00 ug/L	99
82) Hexachlorobutadiene	22.55	225	29126	2.33 ug/L	97
83) 1,2,3-Trichlorobenzene	22.76	180	40091	2.11 ug/L	96

(#) = qualifier out of range (m) = manual integration
03141111.D 031411.M Tue Mar 15 14:30:26 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D Vial: 8
Acq On : 14 Mar 2011 12:14 pm Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:29 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D Vial: 9
Acq On : 14 Mar 2011 12:47 pm Operator: NL
Sample : 5.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:30 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.31	65	119477	200.00	ug/L	0.00
4) Pentafluorobenzene	10.47	168	700842	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1010249	25.00	ug/L	0.00
48) Chlorobenzene-d5	15.94	117	912659	25.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.40	152	512889	25.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	9.97	113	399936	24.89	ug/L	0.00
Spiked Amount 25.000			Recovery	=	99.56%	
46) Toluene-d8	13.98	98	1120128	25.14	ug/L	0.00
Spiked Amount 25.000			Recovery	=	100.56%	
60) 4-Bromofluorobenzene	17.62	95	522172	25.94	ug/L	0.00
Spiked Amount 25.000			Recovery	=	103.76%	

Target Compounds						Qvalue
2) Ethanol	5.92	45	3140	65.94	ug/L	90
3) tert-Butanol (TBA)	7.42	59	14934	20.38	ug/L	98
5) Dichlorodifluoromethane	4.47	85	132238	5.15	ug/L	99
6) Chloromethane	4.78	50	67751	4.65	ug/L	100
7) Vinyl chloride	5.06	62	78989	5.07	ug/L	98
8) Bromomethane	5.66	94	34058	3.52	ug/L	94
9) Chloroethane	5.87	64	66878	5.04	ug/L	99
10) Trichlorofluoromethane	6.68	101	158969	4.97	ug/L	97
11) Acetone	6.84	43	19542	5.63	ug/L	94
12) Iodomethane	7.46	142	40011	4.20	ug/L	98
13) 1,1-Dichloroethene	7.40	96	79543	4.84	ug/L	97
14) Methylene chloride	7.60	84	93284	4.82	ug/L	98
15) Freon 113	7.66	101	102564	4.99	ug/L	99
16) Carbon disulfide	7.93	76	209886	4.60	ug/L	97
17) trans-1,2-Dichloroethene	8.48	96	86712	4.66	ug/L	96
18) MTBE	8.62	73	163820	4.90	ug/L	99
19) 1,1-Dichloroethane	8.80	63	170592	4.92	ug/L	100
20) Vinyl acetate	8.96	43	70756	4.41	ug/L	97
21) n-Hexane	9.32	86	19167	5.60	ug/L	90
22) 2-Butanone (MEK)	9.37	72	4329	4.68	ug/L #	89
23) Diisopropylether (DIPE)	9.36	45	315084	4.98	ug/L	98
24) cis-1,2-dichloroethene	9.55	96	96449	4.83	ug/L	98
25) Bromochloromethane	9.76	128	34136	4.95	ug/L	94
26) Chloroform	9.82	83	184540	4.97	ug/L	99
27) 2,2-Dichloropropane	9.92	77	144350	4.83	ug/L	99
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	240191	5.00	ug/L	98
30) 1,2-Dichloroethane	10.66	62	115992	4.99	ug/L	98
31) 1,1,1-Trichloroethane	10.79	97	161470	4.96	ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	166151	4.95	ug/L	98
34) 1,1-Dichloropropene	11.02	75	125801	5.01	ug/L	98
35) Carbon tetrachloride	11.27	117	133490	5.02	ug/L	99
36) Benzene	11.32	78	313868	4.96	ug/L	99
37) Dibromomethane	12.04	93	48242	5.18	ug/L	97
38) 1,2-Dichloropropane	12.09	63	79915	5.01	ug/L	98
39) Trichloroethene	12.14	95	95797	4.88	ug/L	99
40) Bromodichloromethane	12.20	83	124593	5.03	ug/L	99

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

M1 3/16/11

3/15/11

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D Vial: 9
Acq On : 14 Mar 2011 12:47 pm Operator: NL
Sample : 5.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:30 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

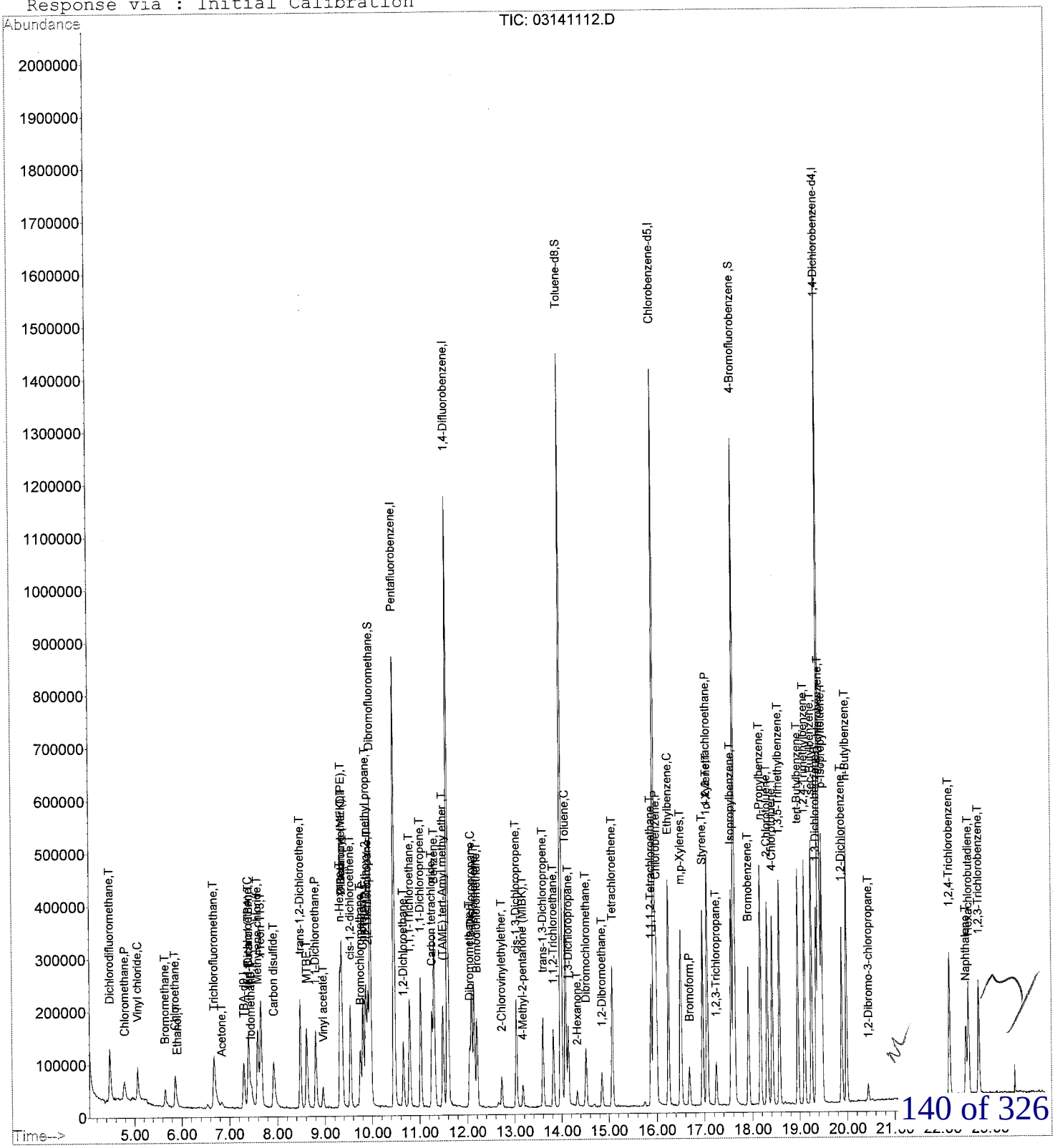
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	26466	5.07 ug/L	94
42) cis-1,3-Dichloropropene	13.04	75	119204	4.91 ug/L	97
43) 4-Methyl-2-pentanone (MIBK	13.17	43	38199	4.85 ug/L	93
44) trans-1,3-Dichloropropene	13.60	75	101199	5.07 ug/L	98
45) 1,1,2-Trichloroethane	13.82	97	54108	5.12 ug/L	95
47) Toluene	14.08	92	199361	5.18 ug/L	100
49) 1,3-Dichloropropane	14.14	76	90676	5.08 ug/L	96
50) 2-Hexanone	14.33	43	27301	4.87 ug/L #	92
51) Dibromochloromethane	14.52	129	71389	5.05 ug/L	97
52) 1,2-Dibromoethane	14.85	107	54007	5.02 ug/L	99
53) Tetrachloroethene	15.07	164	79084	4.97 ug/L	98
54) 1,1,1,2-Tetrachloroethane	15.88	131	78844	4.84 ug/L	96
55) Chlorobenzene	15.99	112	203846	4.86 ug/L	97
56) Ethylbenzene	16.25	91	375480	5.01 ug/L	99
57) m,p-Xylenes	16.51	106	132725	5.02 ug/L	98
58) Styrene	16.96	104	206281	5.14 ug/L	99
59) o-Xylene	17.06	106	132259	5.43 ug/L	97
62) Bromoform	16.68	173	44364	4.85 ug/L	96
63) 1,1,2,2-Tetrachloroethane	17.05	83	50521	5.10 ug/L	99
64) 1,2,3-Trichloropropane	17.25	110	14617	5.08 ug/L	89
65) Isopropylbenzene	17.56	105	331110	5.03 ug/L	100
66) Bromobenzene	17.92	156	90165	4.95 ug/L	97
67) n-Propylbenzene	18.17	91	437726	5.13 ug/L	99
68) 2-Chlorotoluene	18.31	91	274225	5.09 ug/L	99
69) 4-Chlorotoluene	18.42	91	277589	5.07 ug/L	100
70) 1,3,5-Trimethylbenzene	18.57	105	298450	5.05 ug/L	98
71) tert-Butylbenzene	18.96	119	239085	4.98 ug/L	99
72) 1,2,4-Trimethylbenzene	19.11	105	302101	5.10 ug/L	99
73) sec-Butylbenzene	19.25	105	390838	5.16 ug/L	99
74) 1,3-Dichlorobenzene	19.35	146	169519	5.19 ug/L	99
75) 1,4-Dichlorobenzene	19.43	146	161637	4.95 ug/L	97
76) p-Isopropyltoluene	19.48	119	310372	5.08 ug/L	99
77) 1,2-Dichlorobenzene	19.88	146	145493	5.10 ug/L	98
78) n-Butylbenzene	19.98	91	314041	5.12 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.45	75	8572	4.78 ug/L	96
80) 1,2,4-Trichlorobenzene	22.15	180	108929	4.70 ug/L	100
81) Naphthalene	22.50	128	128076	4.74 ug/L	100
82) Hexachlorobutadiene	22.55	225	59115	4.84 ug/L	97
83) 1,2,3-Trichlorobenzene	22.76	180	91278	4.91 ug/L	98

(#) = qualifier out of range (m) = manual integration
03141112.D 031411.M Tue Mar 15 14:31:12 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D Vial: 9
Acq On : 14 Mar 2011 12:47 pm Operator: NL
Sample : 5.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:30 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:31 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.31	65	125792	200.00	ug/L	0.00
4) Pentafluorobenzene	10.47	168	699455	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1014981	25.00	ug/L	0.00
48) Chlorobenzene-d5	15.95	117	936018	25.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	492554	25.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	9.97	113	404401	25.22	ug/L	0.00
Spiked Amount 25.000			Recovery	=	100.88%	
46) Toluene-d8	13.99	98	1134687	25.35	ug/L	0.00
Spiked Amount 25.000			Recovery	=	101.40%	
60) 4-Bromofluorobenzene	17.62	95	508378	24.62	ug/L	0.00
Spiked Amount 25.000			Recovery	=	98.48%	

Target Compounds						Qvalue
2) Ethanol	5.90	45	12783	254.95	ug/L	100
3) tert-Butanol (TBA)	7.42	59	75663	117.08	ug/L	100
5) Dichlorodifluoromethane	4.47	85	641544	25.04	ug/L	100
6) Chloromethane	4.78	50	312927	21.53	ug/L	100
7) Vinyl chloride	5.06	62	377531	24.28	ug/L	100
8) Bromomethane	5.66	94	293535	23.27	ug/L	100
9) Chloroethane	5.87	64	329027	24.83	ug/L	100
10) Trichlorofluoromethane	6.68	101	808959	25.35	ug/L	100
11) Acetone	6.83	43	75063	21.66	ug/L	100
12) Iodomethane	7.46	142	407581	26.41	ug/L	94
13) 1,1-Dichloroethene	7.41	96	390447	23.82	ug/L	100
14) Methylene chloride	7.60	84	452050	23.42	ug/L	100
15) Freon 113	7.66	101	515908	25.13	ug/L	100
16) Carbon disulfide	7.92	76	1011118	22.19	ug/L	100
17) trans-1,2-Dichloroethene	8.48	96	437012	23.53	ug/L	100
18) MTBE	8.62	73	831849	24.94	ug/L	100
19) 1,1-Dichloroethane	8.81	63	834894	24.12	ug/L	100
20) Vinyl acetate	8.95	43	415505	25.95	ug/L	100
21) n-Hexane	9.33	86	84809	24.82	ug/L	100
22) 2-Butanone (MEK)	9.34	72	21512	23.31	ug/L #	100
23) Diisopropylether (DIPE)	9.36	45	1566191	24.78	ug/L	100
24) cis-1,2-dichloroethene	9.54	96	479600	24.09	ug/L	100
25) Bromochloromethane	9.76	128	170713	24.80	ug/L	100
26) Chloroform	9.81	83	878352	23.68	ug/L	100
27) 2,2-Dichloropropane	9.92	77	693793	23.26	ug/L	100
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	1208030	25.18	ug/L	100
30) 1,2-Dichloroethane	10.66	62	568789	24.53	ug/L	100
31) 1,1,1-Trichloroethane	10.79	97	788548	24.29	ug/L	100
32) (TAME) tert-Amyl methy eth	11.50	73	842890	25.15	ug/L	100
34) 1,1-Dichloropropene	11.03	75	608213	24.12	ug/L	100
35) Carbon tetrachloride	11.27	117	656950	24.61	ug/L	100
36) Benzene	11.32	78	1508513	23.73	ug/L	100
37) Dibromomethane	12.05	93	233206	24.93	ug/L	100
38) 1,2-Dichloropropane	12.09	63	391394	24.43	ug/L	100
39) Trichloroethene	12.14	95	480291	24.36	ug/L	100
40) Bromodichloromethane	12.20	83	613515	24.63	ug/L	100

(#) = qualifier out of range (m) = manual integration
03141114.D 031411.M Tue Mar 15 14:32:21 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:31 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

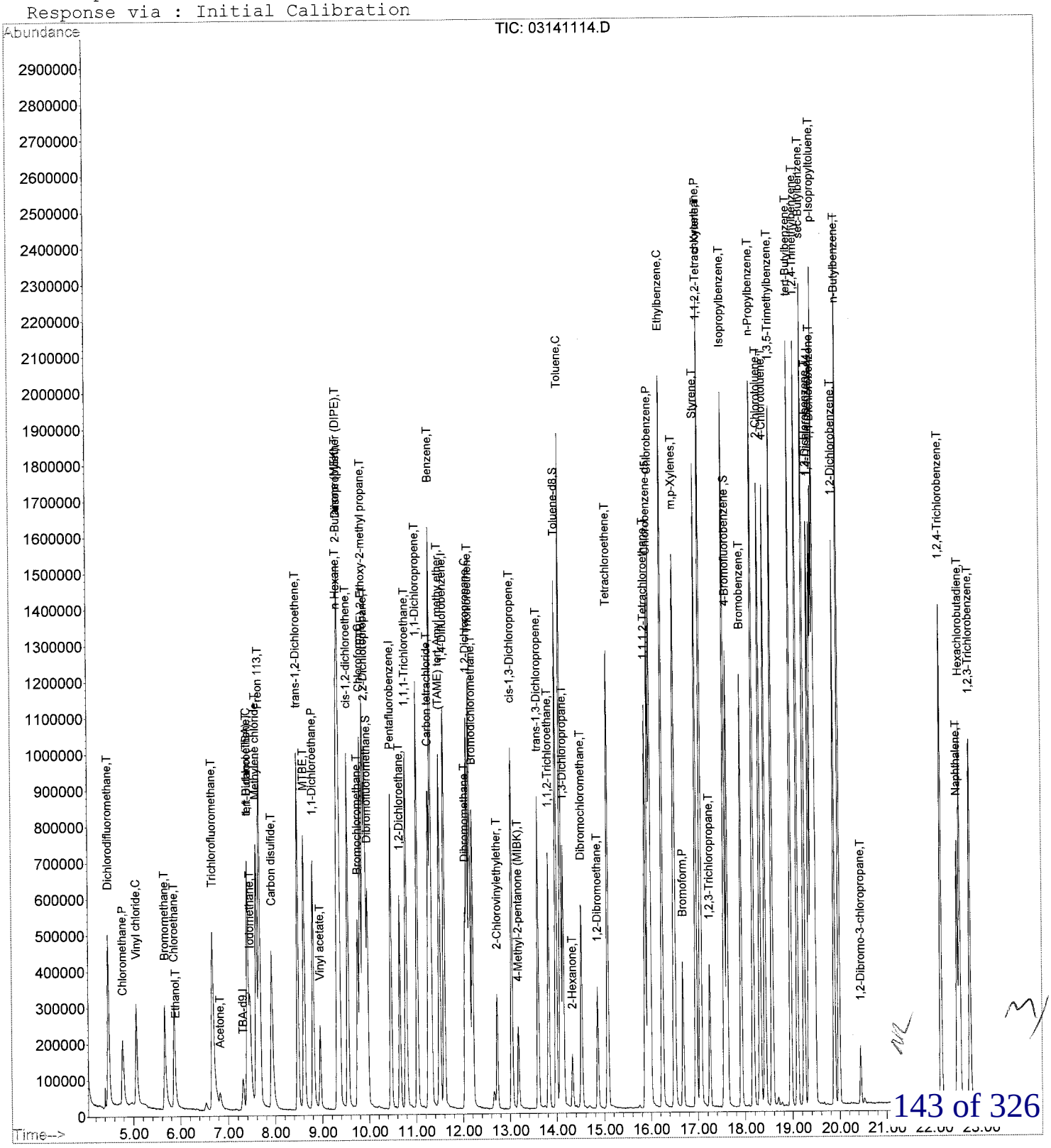
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	137088	26.14 ug/L	100
42) cis-1,3-Dichloropropene	13.04	75	607840	24.94 ug/L	100
43) 4-Methyl-2-pentanone (MIBK	13.17	43	203600	25.73 ug/L	100
44) trans-1,3-Dichloropropene	13.60	75	511251	25.50 ug/L	100
45) 1,1,2-Trichloroethane	13.82	97	262319	24.69 ug/L	100
47) Toluene	14.08	92	933074	24.15 ug/L	100
49) 1,3-Dichloropropane	14.14	76	441640	24.13 ug/L	100
50) 2-Hexanone	14.33	43	131540	22.89 ug/L	100
51) Dibromochloromethane	14.52	129	360432	24.88 ug/L	100
52) 1,2-Dibromoethane	14.85	107	270589	24.51 ug/L	100
53) Tetrachloroethene	15.08	164	379594	23.25 ug/L	100
54) 1,1,1,2-Tetrachloroethane	15.88	131	376298	22.50 ug/L	100
55) Chlorobenzene	15.99	112	1006476	23.41 ug/L	100
56) Ethylbenzene	16.24	91	1857231	24.15 ug/L	100
57) m,p-Xylenes	16.51	106	628744	23.20 ug/L	100
58) Styrene	16.96	104	1001976	24.34 ug/L	100
59) o-Xylene	17.06	106	605795	25.36 ug/L	100
62) Bromoform	16.68	173	233549	26.59 ug/L	100
63) 1,1,2,2-Tetrachloroethane	17.05	83	245970	25.85 ug/L	100
64) 1,2,3-Trichloropropane	17.25	110	70464	25.51 ug/L	100
65) Isopropylbenzene	17.56	105	1606150	25.39 ug/L	100
66) Bromobenzene	17.92	156	438696	25.08 ug/L	100
67) n-Propylbenzene	18.17	91	2037149	24.85 ug/L	100
68) 2-Chlorotoluene	18.31	91	1271086	24.57 ug/L	100
69) 4-Chlorotoluene	18.42	91	1278799	24.32 ug/L	100
70) 1,3,5-Trimethylbenzene	18.57	105	1397804	24.64 ug/L	100
71) tert-Butylbenzene	18.96	119	1141649	24.74 ug/L	100
72) 1,2,4-Trimethylbenzene	19.11	105	1421815	25.01 ug/L	100
73) sec-Butylbenzene	19.25	105	1824073	25.09 ug/L	100
74) 1,3-Dichlorobenzene	19.36	146	756893	24.15 ug/L	100
75) 1,4-Dichlorobenzene	19.44	146	756886	24.14 ug/L	100
76) p-Isopropyltoluene	19.48	119	1459478	24.88 ug/L	100
77) 1,2-Dichlorobenzene	19.88	146	683579	24.93 ug/L	100
78) n-Butylbenzene	19.98	91	1484636	25.20 ug/L	100
79) 1,2-Dibromo-3-chloropropan	20.45	75	41975	24.35 ug/L	100
80) 1,2,4-Trichlorobenzene	22.15	180	566108	25.44 ug/L	100
81) Naphthalene	22.50	128	700850	27.03 ug/L	100
82) Hexachlorobutadiene	22.55	225	304001	25.89 ug/L	100
83) 1,2,3-Trichlorobenzene	22.77	180	451962	25.34 ug/L	100

(#) = qualifier out of range (m) = manual integration
03141114.D 031411.M Tue Mar 15 14:32:22 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:31 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:32 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	129547	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	670991	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	997408	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	901010	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	492423	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	393722	25.59 ug/L	0.00
Spiked Amount 25.000			Recovery =	102.36%	
46) Toluene-d8	13.99	98	1093905	24.87 ug/L	0.00
Spiked Amount 25.000			Recovery =	99.48%	
60) 4-Bromofluorobenzene	17.62	95	493360	24.82 ug/L	0.00
Spiked Amount 25.000			Recovery =	99.28%	

Target Compounds					Qvalue
2) Ethanol	5.90	45	28140	544.97 ug/L	94
3) tert-Butanol (TBA)	7.41	59	168991	259.75 ug/L	98
5) Dichlorodifluoromethane	4.48	85	1268670	51.61 ug/L	100
6) Chloromethane	4.77	50	648190	46.48 ug/L	99
7) Vinyl chloride	5.06	62	751169	50.37 ug/L	98
8) Bromomethane	5.66	94	677359	52.19 ug/L	95
9) Chloroethane	5.87	64	623605	49.05 ug/L	99
10) Trichlorofluoromethane	6.68	101	1567791	51.21 ug/L	97
11) Acetone	6.83	43	161282	48.51 ug/L	98
12) Iodomethane	7.46	142	867752	56.43 ug/L	92
13) 1,1-Dichloroethene	7.40	96	776665	49.40 ug/L	99
14) Methylene chloride	7.60	84	878225	47.42 ug/L	100
15) Freon 113	7.66	101	1003135	50.93 ug/L	99
16) Carbon disulfide	7.93	76	1986824	45.45 ug/L	100
17) trans-1,2-Dichloroethene	8.48	96	870839	48.88 ug/L	99
18) MTBE	8.62	73	1655128	51.73 ug/L	99
19) 1,1-Dichloroethane	8.80	63	1598093	48.13 ug/L	100
20) Vinyl acetate	8.96	43	807302	52.56 ug/L	100
21) n-Hexane	9.33	86	160622	49.00 ug/L	95
22) 2-Butanone (MEK)	9.34	72	42923	48.48 ug/L #	88
23) Diisopropylether (DIPE)	9.36	45	3035894	50.08 ug/L	100
24) cis-1,2-dichloroethene	9.55	96	919113	48.12 ug/L	99
25) Bromochloromethane	9.76	128	330831	50.10 ug/L	99
26) Chloroform	9.82	83	1706643	47.96 ug/L	97
27) 2,2-Dichloropropane	9.92	77	1333015	46.60 ug/L	100
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	2371842	51.53 ug/L	98
30) 1,2-Dichloroethane	10.66	62	1113207	50.05 ug/L	100
31) 1,1,1-Trichloroethane	10.80	97	1562600	50.18 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	1664448	51.78 ug/L	99
34) 1,1-Dichloropropene	11.03	75	1190399	48.03 ug/L	99
35) Carbon tetrachloride	11.27	117	1325694	50.54 ug/L	99
36) Benzene	11.32	78	3016498	48.28 ug/L	100
37) Dibromomethane	12.04	93	455004	49.50 ug/L	99
38) 1,2-Dichloropropane	12.09	63	756947	48.08 ug/L	98
39) Trichloroethene	12.15	95	914194	47.18 ug/L	99
40) Bromodichloromethane	12.20	83	1230941	50.29 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141115.D 031411.M Tue Mar 15 14:32:50 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:32 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

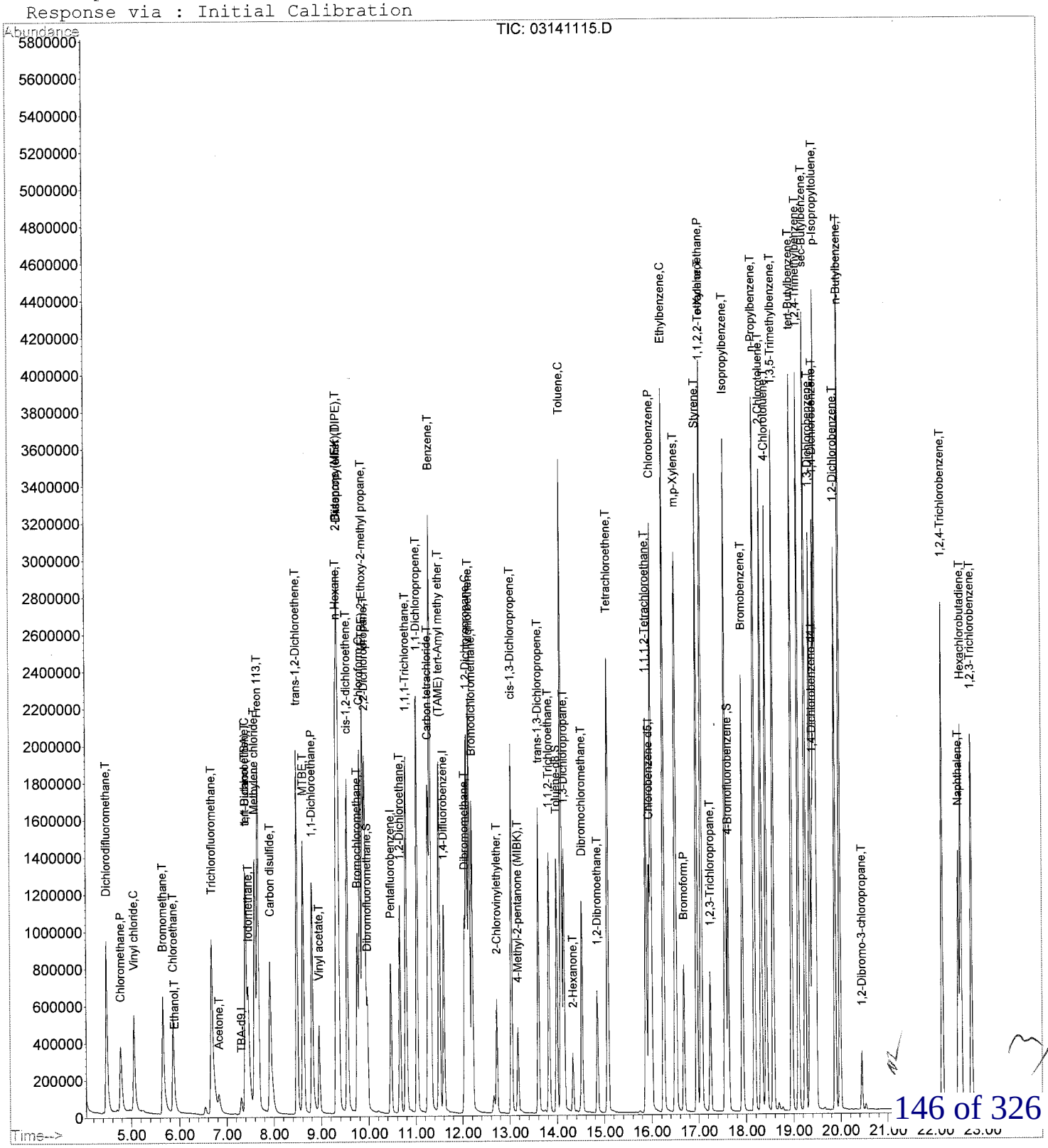
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41)	2-Chlorovinylethylether	12.73	63	266778	51.77 ug/L	99
42)	cis-1,3-Dichloropropene	13.04	75	1185095	49.48 ug/L	99
43)	4-Methyl-2-pentanone (MIBK	13.18	43	398644	51.28 ug/L	98
44)	trans-1,3-Dichloropropene	13.61	75	1001184	50.82 ug/L	99
45)	1,1,2-Trichloroethane	13.82	97	514332	49.26 ug/L	99
47)	Toluene	14.09	92	1779817	46.88 ug/L	99
49)	1,3-Dichloropropane	14.15	76	852950	48.41 ug/L	97
50)	2-Hexanone	14.33	43	268872	48.60 ug/L	99
51)	Dibromochloromethane	14.52	129	714956	51.27 ug/L	100
52)	1,2-Dibromoethane	14.85	107	529074	49.79 ug/L	99
53)	Tetrachloroethene	15.08	164	745600	47.43 ug/L	99
54)	1,1,1,2-Tetrachloroethane	15.88	131	735432	45.69 ug/L	99
55)	Chlorobenzene	15.99	112	1983395	47.93 ug/L	99
56)	Ethylbenzene	16.25	91	3510837	47.42 ug/L	100
57)	m,p-Xylenes	16.51	106	1231716	47.22 ug/L	99
58)	Styrene	16.96	104	1956092	49.37 ug/L	99
59)	o-Xylene	17.07	106	1115033	49.34 ug/L	99
62)	Bromoform	16.69	173	463856	52.82 ug/L	98
63)	1,1,2,2-Tetrachloroethane	17.05	83	450936	47.40 ug/L	100
64)	1,2,3-Trichloropropane	17.25	110	136352	49.38 ug/L	99
65)	Isopropylbenzene	17.56	105	3017352	47.71 ug/L	100
66)	Bromobenzene	17.93	156	844066	48.26 ug/L	100
67)	n-Propylbenzene	18.17	91	3910942	47.73 ug/L	99
68)	2-Chlorotoluene	18.31	91	2485264	48.05 ug/L	99
69)	4-Chlorotoluene	18.42	91	2464108	46.88 ug/L	99
70)	1,3,5-Trimethylbenzene	18.58	105	2698442	47.58 ug/L	100
71)	tert-Butylbenzene	18.96	119	2181767	47.29 ug/L	100
72)	1,2,4-Trimethylbenzene	19.11	105	2665132	46.89 ug/L	100
73)	sec-Butylbenzene	19.25	105	3448685	47.45 ug/L	100
74)	1,3-Dichlorobenzene	19.36	146	1457934	46.52 ug/L	100
75)	1,4-Dichlorobenzene	19.44	146	1453388	46.37 ug/L	99
76)	p-Isopropyltoluene	19.48	119	2797988	47.71 ug/L	100
77)	1,2-Dichlorobenzene	19.88	146	1316655	48.03 ug/L	100
78)	n-Butylbenzene	19.98	91	2914423	49.48 ug/L	99
79)	1,2-Dibromo-3-chloropropan	20.45	75	85744	49.76 ug/L	98
80)	1,2,4-Trichlorobenzene	22.15	180	1130857	50.84 ug/L	99
81)	Naphthalene	22.50	128	1372583	52.96 ug/L	99
82)	Hexachlorobutadiene	22.55	225	587184	50.03 ug/L	99
83)	1,2,3-Trichlorobenzene	22.77	180	898332	50.38 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141115.D 031411.M Tue Mar 15 14:32:50 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:32 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:32 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.31	65	113794	200.00	ug/L	0.00
4) Pentafluorobenzene	10.48	168	693519	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1026382	25.00	ug/L	0.00
48) Chlorobenzene-d5	15.95	117	955378	25.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	487259	25.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	9.97	113	404725	25.45	ug/L	0.00
Spiked Amount 25.000			Recovery	=	101.80%	
46) Toluene-d8	13.99	98	1139190	25.17	ug/L	0.00
Spiked Amount 25.000			Recovery	=	100.68%	
60) 4-Bromofluorobenzene	17.63	95	485891	23.06	ug/L	0.00
Spiked Amount 25.000			Recovery	=	92.24%	

Target Compounds						Qvalue
2) Ethanol	5.91	45	46631	1028.08	ug/L	99
3) tert-Butanol (TBA)	7.42	59	300094	530.21	ug/L	100
5) Dichlorodifluoromethane	4.48	85	2554129	100.53	ug/L	100
6) Chloromethane	4.77	50	1645801	114.18	ug/L	99
7) Vinyl chloride	5.05	62	1581189	102.58	ug/L	98
8) Bromomethane	5.66	94	1531021	104.12	ug/L	92
9) Chloroethane	5.87	64	1202091	91.48	ug/L	99
10) Trichlorofluoromethane	6.68	101	3224844	101.92	ug/L	99
11) Acetone	6.83	43	314036	91.39	ug/L	100
12) Iodomethane	7.47	142	1661350	103.01	ug/L	94
13) 1,1-Dichloroethene	7.42	96	1609439	99.04	ug/L	99
14) Methylene chloride	7.60	84	1776246	92.80	ug/L	99
15) Freon 113	7.67	101	2074880	101.93	ug/L	99
16) Carbon disulfide	7.93	76	4260339	94.30	ug/L	99
17) trans-1,2-Dichloroethene	8.49	96	1781041	96.72	ug/L	98
18) MTBE	8.62	73	3369949	101.91	ug/L	100
19) 1,1-Dichloroethane	8.81	63	3337302	97.25	ug/L	100
20) Vinyl acetate	8.96	43	1672603	105.37	ug/L	100
21) n-Hexane	9.33	86	320247	94.53	ug/L	94
22) 2-Butanone (MEK)	9.35	72	84260	92.08	ug/L #	85
23) Diisopropylether (DIPE)	9.37	45	5832515	93.08	ug/L	99
24) cis-1,2-dichloroethene	9.55	96	1915971	97.05	ug/L	99
25) Bromochloromethane	9.76	128	695057	101.84	ug/L #	77
26) Chloroform	9.82	83	3490527	94.91	ug/L	97
27) 2,2-Dichloropropane	9.92	77	2752255	93.08	ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	4704788	98.89	ug/L	98
30) 1,2-Dichloroethane	10.66	62	2288489	99.54	ug/L	100
31) 1,1,1-Trichloroethane	10.79	97	3196019	99.30	ug/L	100
32) (TAME) tert-Amyl methy eth	11.50	73	3339084	100.50	ug/L	99
34) 1,1-Dichloropropene	11.03	75	2483128	97.36	ug/L	100
35) Carbon tetrachloride	11.27	117	2708678	100.35	ug/L	100
36) Benzene	11.32	78	6052292	94.14	ug/L	99
37) Dibromomethane	12.05	93	912847	96.51	ug/L	99
38) 1,2-Dichloropropane	12.09	63	1518990	93.76	ug/L	98
39) Trichloroethene	12.15	95	1886393	94.60	ug/L	99
40) Bromodichloromethane	12.21	83	2439967	96.87	ug/L	100

(#) = qualifier out of range (m) = manual integration
03141116.D 031411.M Tue Mar 15 14:33:06 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:32 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

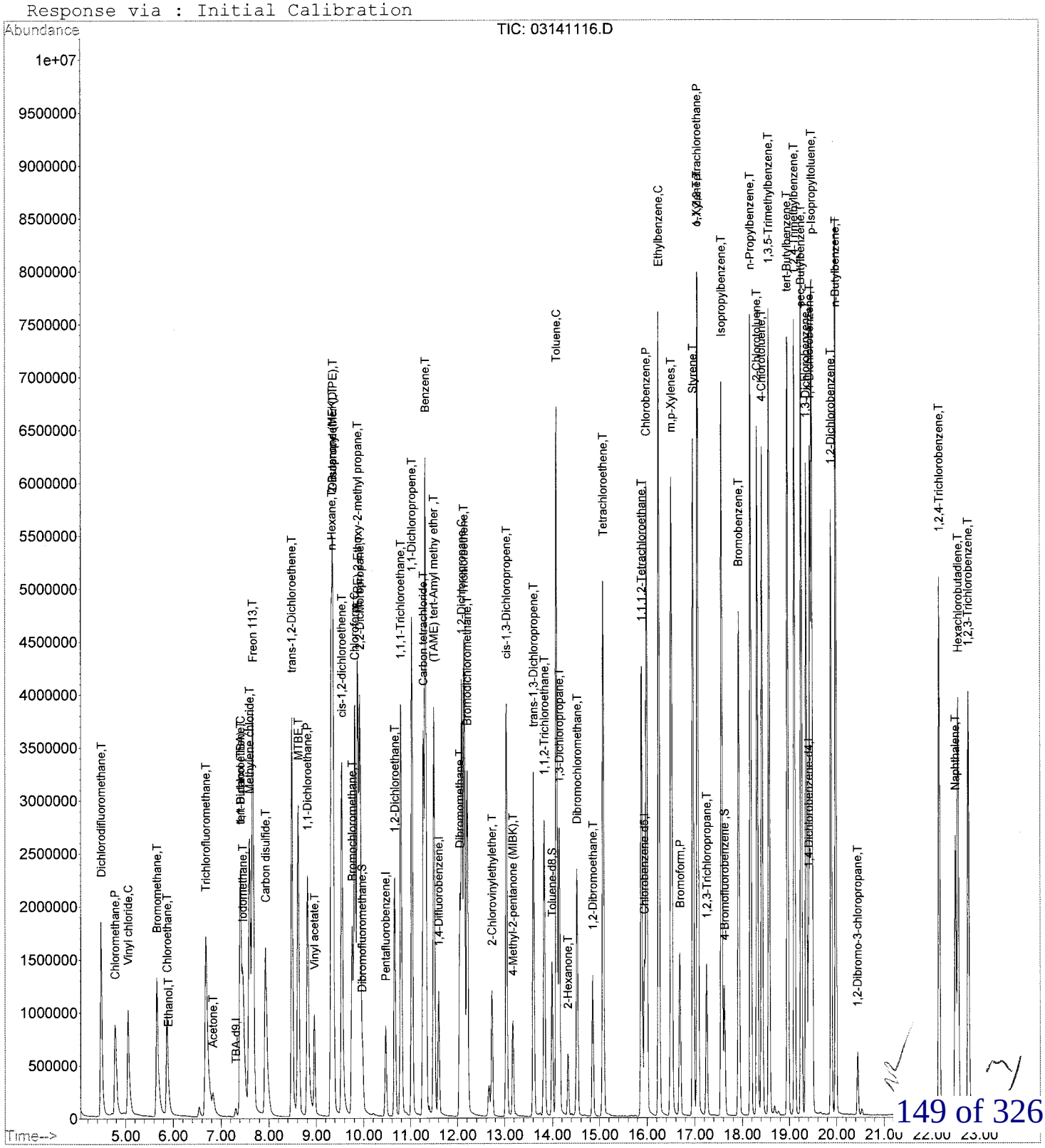
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	540136	101.86 ug/L	98
42) cis-1,3-Dichloropropene	13.04	75	2422907	98.31 ug/L	99
43) 4-Methyl-2-pentanone (MIBK	13.18	43	790515	98.81 ug/L	99
44) trans-1,3-Dichloropropene	13.61	75	2038801	100.56 ug/L	99
45) 1,1,2-Trichloroethane	13.83	97	1058683	98.54 ug/L	97
47) Toluene	14.09	92	3515212	89.97 ug/L	98
49) 1,3-Dichloropropane	14.15	76	1708221	91.44 ug/L	98
50) 2-Hexanone	14.33	43	518728	88.43 ug/L	99
51) Dibromochloromethane	14.52	129	1459234	98.69 ug/L	99
52) 1,2-Dibromoethane	14.86	107	1082579	96.07 ug/L	99
53) Tetrachloroethene	15.08	164	1519487	91.16 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.89	131	1512845	88.64 ug/L	99
55) Chlorobenzene	16.00	112	3917483	89.29 ug/L	99
56) Ethylbenzene	16.25	91	6837089	87.09 ug/L	99
57) m,p-Xylenes	16.51	106	2462109	89.02 ug/L	98
58) Styrene	16.97	104	3789547	90.20 ug/L	100
59) o-Xylene	17.07	106	2256874	96.83 ug/L	97
62) Bromoform	16.69	173	944244	108.66 ug/L	98
63) 1,1,2,2-Tetrachloroethane	17.05	83	873846	92.83 ug/L	100
64) 1,2,3-Trichloropropane	17.26	110	274845	100.60 ug/L	97
65) Isopropylbenzene	17.57	105	5973801	95.45 ug/L	99
66) Bromobenzene	17.92	156	1680625	97.11 ug/L	98
67) n-Propylbenzene	18.17	91	7541537	93.01 ug/L	98
68) 2-Chlorotoluene	18.32	91	4704101	91.91 ug/L	100
69) 4-Chlorotoluene	18.42	91	4886954	93.95 ug/L	99
70) 1,3,5-Trimethylbenzene	18.57	105	5395308	96.13 ug/L	98
71) tert-Butylbenzene	18.97	119	4264845	93.42 ug/L	100
72) 1,2,4-Trimethylbenzene	19.11	105	5218841	92.80 ug/L	99
73) sec-Butylbenzene	19.25	105	6692864	93.05 ug/L	99
74) 1,3-Dichlorobenzene	19.36	146	2835322	91.44 ug/L	99
75) 1,4-Dichlorobenzene	19.44	146	2796075	90.16 ug/L	99
76) p-Isopropyltoluene	19.48	119	5291995	91.19 ug/L	100
77) 1,2-Dichlorobenzene	19.89	146	2559332	94.35 ug/L	99
78) n-Butylbenzene	19.99	91	5507303	94.50 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.44	75	161576	94.76 ug/L	98
80) 1,2,4-Trichlorobenzene	22.16	180	2217200	100.74 ug/L	99
81) Naphthalene	22.50	128	2569603	100.19 ug/L	99
82) Hexachlorobutadiene	22.55	225	1189477	102.42 ug/L	100
83) 1,2,3-Trichlorobenzene	22.77	180	1773297	100.51 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141116.D 031411.M Tue Mar 15 14:33:06 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:32 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:33 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.32	65	129365	200.00	ug/L	0.01
4) Pentafluorobenzene	10.47	168	699660	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.61	114	1006186	25.00	ug/L	0.00
48) Chlorobenzene-d5	15.95	117	917970	25.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	479748	25.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	9.98	113	398274	24.83	ug/L	0.00
Spiked Amount 25.000			Recovery = 99.32%			
46) Toluene-d8	13.99	98	1157719	26.09	ug/L	0.00
Spiked Amount 25.000			Recovery = 104.36%			
60) 4-Bromofluorobenzene	17.62	95	485250	23.96	ug/L	0.00
Spiked Amount 25.000			Recovery = 95.84%			

Target Compounds						Qvalue
2) Ethanol	5.91	45	94550	1833.65	ug/L	100
3) tert-Butanol (TBA)	7.42	59	623983	973.91	ug/L	100
5) Dichlorodifluoromethane	4.48	85	4978796	194.24	ug/L	99
6) Chloromethane	4.77	50	3627894	249.48	ug/L	99
7) Vinyl chloride	5.04	62	2933915	188.67	ug/L	98
8) Bromomethane	5.66	94	3378676	198.09	ug/L	95
9) Chloroethane	5.87	64	2405721	181.47	ug/L	99
10) Trichlorofluoromethane	6.68	101	6347877	198.85	ug/L	98
11) Acetone	6.83	43	712547	205.54	ug/L	99
12) Iodomethane	7.46	142	3664938	223.13	ug/L	93
13) 1,1-Dichloroethene	7.41	96	3203884	195.43	ug/L	99
14) Methylene chloride	7.60	84	3537544	183.19	ug/L	98
15) Freon 113	7.66	101	4003342	194.94	ug/L	99
16) Carbon disulfide	7.93	76	8527296	187.10	ug/L	99
17) trans-1,2-Dichloroethene	8.49	96	3483064	187.48	ug/L	100
18) MTBE	8.62	73	7020635	210.44	ug/L	100
19) 1,1-Dichloroethane	8.81	63	6426123	185.62	ug/L	99
20) Vinyl acetate	8.96	43	3622976	226.23	ug/L	100
21) n-Hexane	9.33	86	604351	176.83	ug/L	98
22) 2-Butanone (MEK)	9.35	72	170530	184.73	ug/L #	68
23) Diisopropylether (DIPE)	9.37	45	11136877	176.17	ug/L	99
24) cis-1,2-dichloroethene	9.55	96	3661493	183.83	ug/L	99
25) Bromochloromethane	9.77	128	1405227	204.09	ug/L #	81
26) Chloroform	9.82	83	6678986	180.01	ug/L	97
27) 2,2-Dichloropropane	9.93	77	5304843	177.83	ug/L	98
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	9368890	195.19	ug/L	97
30) 1,2-Dichloroethane	10.66	62	4567841	196.94	ug/L	99
31) 1,1,1-Trichloroethane	10.80	97	6043640	186.12	ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	6670791	199.02	ug/L	99
34) 1,1-Dichloropropene	11.03	75	4722226	188.87	ug/L	99
35) Carbon tetrachloride	11.28	117	5241069	198.06	ug/L	99
36) Benzene	11.32	78	11220600	178.04	ug/L	98
37) Dibromomethane	12.05	93	1825022	196.82	ug/L	99
38) 1,2-Dichloropropane	12.09	63	2880453	181.36	ug/L #	89
39) Trichloroethene	12.15	95	3587777	183.54	ug/L	98
40) Bromodichloromethane	12.21	83	4858580	196.76	ug/L	100

(#) = qualifier out of range (m) = manual integration
03141117.D 031411.M Tue Mar 15 14:33:20 2011

m 3/14/11

NL 3/15/11

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:33 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

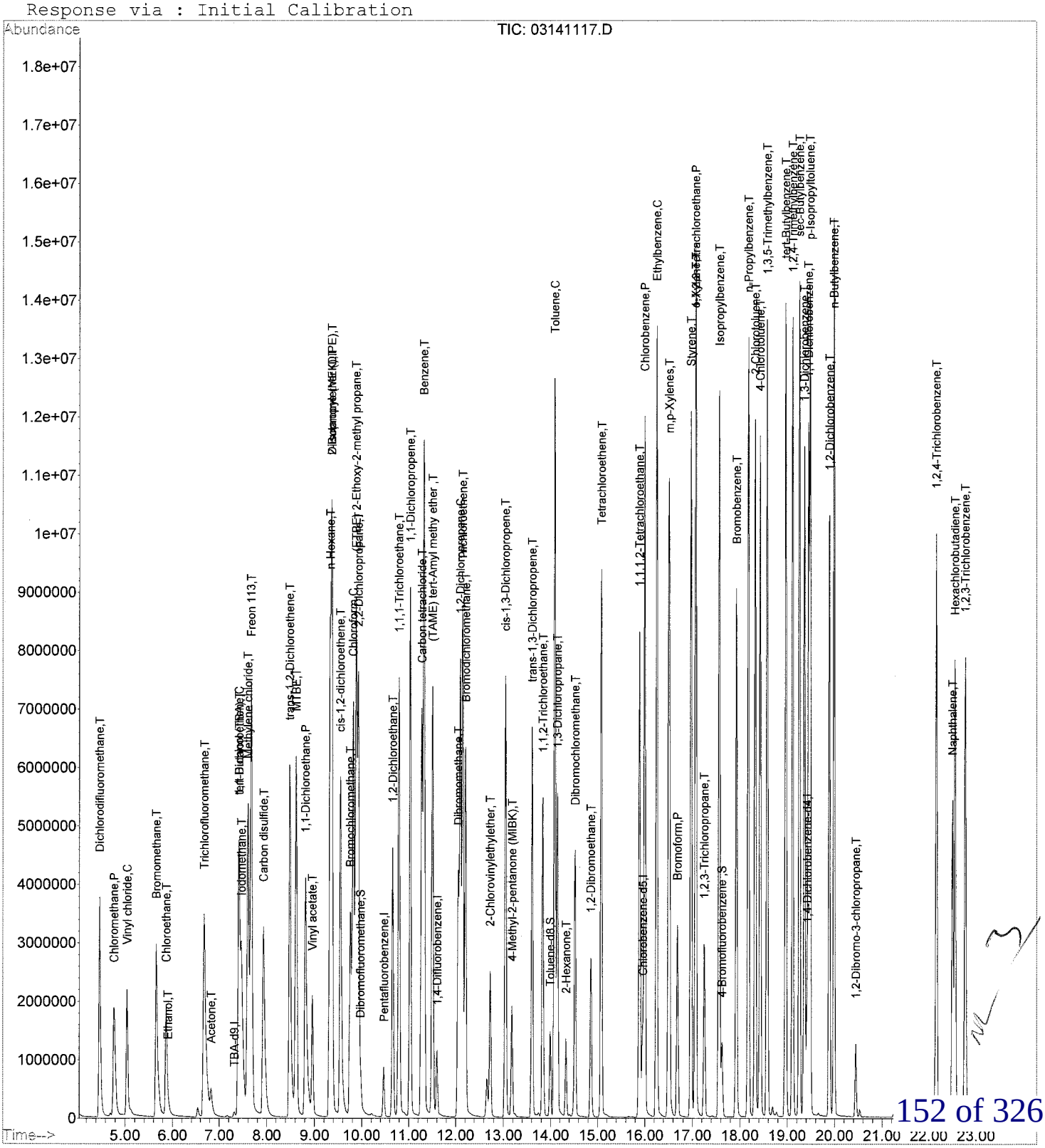
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41)	2-Chlorovinylethylether	12.73	63	1142848	219.84 ug/L	99
42)	cis-1,3-Dichloropropene	13.04	75	4684444	193.90 ug/L	99
43)	4-Methyl-2-pentanone (MIBK	13.17	43	1726401	220.12 ug/L	96
44)	trans-1,3-Dichloropropene	13.61	75	4141624	208.38 ug/L	99
45)	1,1,2-Trichloroethane	13.83	97	2150786	204.20 ug/L	97
47)	Toluene	14.09	92	6860422	179.11 ug/L	97
49)	1,3-Dichloropropane	14.15	76	3459676	192.73 ug/L	98
50)	2-Hexanone	14.33	43	1133041	201.03 ug/L	99
51)	Dibromochloromethane	14.52	129	3004500	211.49 ug/L	100
52)	1,2-Dibromoethane	14.85	107	2245419	207.39 ug/L	98
53)	Tetrachloroethene	15.08	164	2909810	181.69 ug/L	99
54)	1,1,1,2-Tetrachloroethane	15.88	131	3044708	185.67 ug/L	99
55)	Chlorobenzene	15.99	112	7715745	183.03 ug/L	98
56)	Ethylbenzene	16.25	91	12545598	166.32 ug/L	96
57)	m,p-Xylenes	16.52	106	4695826	176.71 ug/L	95
58)	Styrene	16.96	104	7335940	181.73 ug/L	100
59)	o-Xylene	17.07	106	4257910	201.87 ug/L	94
62)	Bromoform	16.69	173	1975315	230.87 ug/L	99
63)	1,1,2,2-Tetrachloroethane	17.06	83	1734795	187.17 ug/L	99
64)	1,2,3-Trichloropropane	17.26	110	571615	212.50 ug/L	97
65)	Isopropylbenzene	17.57	105	11035185	179.08 ug/L	97
66)	Bromobenzene	17.93	156	3228495	189.47 ug/L	98
67)	n-Propylbenzene	18.18	91	13380305	167.60 ug/L	96
68)	2-Chlorotoluene	18.32	91	8705455	172.76 ug/L	98
69)	4-Chlorotoluene	18.42	91	8803914	171.91 ug/L	97
70)	1,3,5-Trimethylbenzene	18.58	105	9721195	175.93 ug/L	96
71)	tert-Butylbenzene	18.96	119	7867457	175.03 ug/L	99
72)	1,2,4-Trimethylbenzene	19.12	105	9604835	173.46 ug/L	97
73)	sec-Butylbenzene	19.26	105	11904238	168.10 ug/L	97
74)	1,3-Dichlorobenzene	19.36	146	5330110	174.58 ug/L	99
75)	1,4-Dichlorobenzene	19.44	146	5270566	172.61 ug/L	100
76)	p-Isopropyltoluene	19.49	119	9529633	166.78 ug/L	99
77)	1,2-Dichlorobenzene	19.89	146	4794946	179.53 ug/L	99
78)	n-Butylbenzene	19.98	91	9702846	169.09 ug/L	96
79)	1,2-Dibromo-3-chloropropan	20.45	75	325159	193.69 ug/L	94
80)	1,2,4-Trichlorobenzene	22.15	180	4350123	200.74 ug/L	99
81)	Naphthalene	22.50	128	5414389	214.41 ug/L	98
82)	Hexachlorobutadiene	22.55	225	2333987	204.10 ug/L	99
83)	1,2,3-Trichlorobenzene	22.77	180	3553855	204.58 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141117.D 031411.M Tue Mar 15 14:33:21 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:33 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CALIBRATION DATA

METHOD: 8260B

DATE: 03/14/2011

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL DATA REVIEW CHECKLIST

1LC0567 (H_2O)

SOP PE-VOA-001 R.1
GC/MS Volatile Organic Analysis [Method No. EPA 624 & 8260B]

Analysis Date: 3/15/11	Analyst: NL

Description	Yes	No	NA[1]
1. BFB (50 ng or less): Verify meets criteria every 12 hours	✓		
2. Initial Calibration Curve (5 levels)			
- Date of Initial Calibration: 3/14/11	✓		
- SPCCs must meet Min. RF	✓		
- CCCs ≤ 30% RPD	✓		
- All other compounds ≤ 15% RSD or use curve	✓		
- Comments:			
- Second source within historical limits	✓		
3. Continuing Calibration Check (every 12 hours)			
- SPCCs must meet Min. RF	✓		
- CCCs ≤ 20% D	✓		
- IS RT ± 30 secs	✓		
- IS area –50% to +100%	✓		
- All CCVs for reported analytes within historical limits	✓		
4. Method Blank			
- Analyze one per batch (≤ 20 samples or 12 hours, whichever is more frequent)	✓		
- All compounds of interest must be < Reporting Limit	✓		
5. Laboratory Control Samples (LCS/LCSD)			
- Must be analyzed per 20 samples/per matrix/per batch	✓		
- LCS/LSCD recoveries within historical limits		✓	
- RPD ≤ 25%		✓	
- Surrogates within historical limits	✓		
6. MS/MSD			
- Must be analyzed per 20 samples/per matrix/per batch	✓		
- MS/MSD recoveries within historical limits	✓		
- RPD ≤ 25%	✓		
- Surrogates within historical limits	✓		
7. Samples			
- Analyzed within 14 days of sampling	✓		
- IS = RT ± 30 secs and area –50% to +100% of Mid-Point of last ICAL or CCV	✓		
- Surrogate recoveries within historical limits	✓		
- pH ≤ 2	✓		
- If pH is not ≤ 2, flag data with P and pH Data Qualifier			✓

L
R-7

Comments:

NOTE: Batch = 12 hour (from injection of BFB)

Review Signatures:	Analyst: [signature]	Date: 3/16/11
	Reviewer: [signature]	Date: 3/16/11

[1]) NA: Not Applicable

Injection Log

Directory: C:\HPCHEM\1\GCMS13\DATA\031511

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	03151101.d	1.	BLK		15 Mar 2011 06:41
2	2	03151102.d	1.	BLK		15 Mar 2011 07:13
3	1	03151103.d	1.	TUNE		15 Mar 2011 07:42
4	1	03151104.d	1.	25 PPB CCV		15 Mar 2011 08:07
5	2	03151105.d	1.	25 PPB CCV		15 Mar 2011 08:41
6	3	03151106.d	1.	11C0567-BS1		15 Mar 2011 09:14
7	4	03151107.d	1.	11C0567-BSD1		15 Mar 2011 09:46
8	5	03151108.d	1.	11C0567-MS1		15 Mar 2011 10:20
9	2	03151109.d	1.	11C0567-MSD1		15 Mar 2011 10:53
10	3	03151110.d	1.	BLANK		15 Mar 2011 11:25
11	4	03151111.d	1.	11C0567-BLK1		15 Mar 2011 11:58
12	5	03151112.d	1.	PUC0637-03	TB	15 Mar 2011 12:30
13	6	03151113.d	1.	PUC0647-17	TB	15 Mar 2011 13:03
14	7	03151114.d	1.	PUC0647-14	EB	15 Mar 2011 13:35
15	8	03151115.d	1.	PUC0637-04	EB	15 Mar 2011 14:08
16	9	03151116.d	1.	PUC0635-01		15 Mar 2011 14:40
17	10	03151117.d	1.	PUC0635-02		15 Mar 2011 15:13
18	11	03151118.d	1.	PUC0635-03		15 Mar 2011 15:44
19	12	03151119.d	1.	PUC0637-01		15 Mar 2011 16:17
20	13	03151120.d	1.	PUC0637-02		15 Mar 2011 16:49
21	14	03151121.d	1.	PUC0637-05		15 Mar 2011 17:22
22	15	03151122.d	1.	PUC0647-15		15 Mar 2011 17:54
23	16	03151123.d	1.	PUC0647-16		15 Mar 2011 18:26
24	17	03151124.d	1.	PUC0647-12		15 Mar 2011 18:59
25	18	03151125.d	1.	PUC0647-13		15 Mar 2011 19:31 ok

3/16/11

NL 3/16/11

TestAmerica
Phoenix

GC/MS 13 DAILY LOG SUMMARY

DATE: 3-15-11

QC BATCH # (s) : 11C0567

ANALYST: NL

SEQUENCE FILE: 031511-S

CALIBRATION METHOD(S): 031411.M

POS #	FILENAME	SAMPLE ID.CLIENT	SAMPLE VOL.	pH	EPA METHOD	MATRIX	COMMENTS
	03151101	Blank	1x10mL	NA	8260	H_2O	
	02						
	03	Tune	2uL				
	04	25ppb CCV	1x10mL				
	05						
	06	11C0567-BS1					
	07	BSD1					
	08	MS1		≤2			C vial
	09	MSD1		≤2			B vial
	10	Blank		NA			
	11	11C0567-BLK1					
	12	PUC0637-03 A		≤2			
	13	0647-17		≤2			
	14	14		≤2			
	15	0637-04		≤2			
	16	0635-01		≤2			source
	17	02		≤2			
	18	03		≤2			
	19	0637-01		≤2			
	20	02		≤2			
	21	05		≤2			
	22	0647-15		≤2			
	23	16		≤2			
	~~24~~	~~0648-02~~		≤			NL 3/15/11 too many sample Did not run.
	24 ~~25~~	0647-12		≤2			
	25 ~~26~~	13		≤2			
	NL 3/15/11						
							NL 3/15/11

STANDARD ID NUMBERS

CCV/H20 LCS/H20 SPIKE: PUC1537

CALIBRATION STD: PUC1521

IS/Surrogate: PUC1157

BFB: PUC1261

LOT #:

REQUIRED REVIEWS

ARCHON REVIEWED

By / Date: NL 3/15/11

SEQUENCE REVIEWED

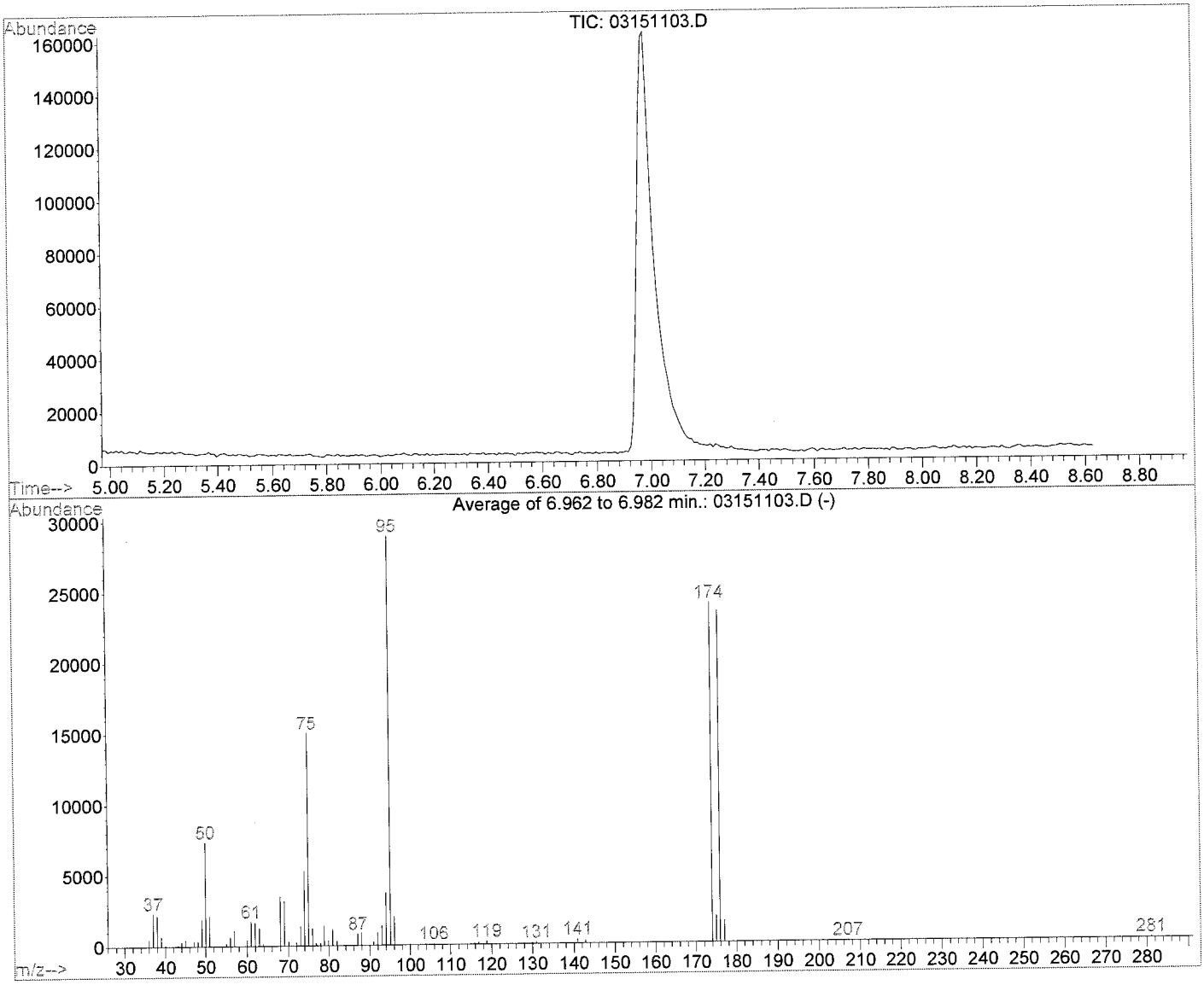
By / Date: NL 3/16/11

FINAL REVIEWER / Date: M 3/16/11

RX VOA 003/C 07/09

Method 8260

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151103.D Vial: 1
Acq On : 15 Mar 2011 7:42 am Operator: NL
Sample : TUNE Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260



Spectrum Information: Average of 6.962 to 6.982 min.

M 3/16/11

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.4	7339	PASS
75	95	30	60	51.9	15011	PASS
95	95	100	100	100.0	28904	PASS
96	95	5	9	6.9	1995	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.0	23984	PASS
175	174	5	9	7.7	1858	PASS
176	174	95	101	97.5	23389	PASS
177	176	5	9	6.4	1508	PASS

03151103.D 031411.M Wed Mar 16 16:43:14 2011

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151104.D Vial: 1
Acq On : 15 Mar 2011 8:07 am Operator: NL
Sample : 25 PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 8:56 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

vinyl chloride high
3/16/11

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	79690	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	624144	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	798402	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.94	117	751439	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.40	152	438594	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	310609	21.70 ug/L	0.00
Spiked Amount 25.000			Recovery	= 86.80%	
46) Toluene-d8	13.98	98	864984	24.56 ug/L	0.00
Spiked Amount 25.000			Recovery	= 98.24%	
60) 4-Bromofluorobenzene	17.62	95	451989	27.27 ug/L	0.00
Spiked Amount 25.000			Recovery	= 109.08%	

Target Compounds					Qvalue
2) Ethanol	5.76	45	408	12.84 ug/L	81
3) tert-Butanol (TBA)	7.41	59	25550	60.08 ug/L #	83
5) Dichlorodifluoromethane	4.48	85	591797	25.88 ug/L	99
6) Chloromethane	4.79	50	326376	25.16 ug/L	99
7) Vinyl chloride	5.08	62	444456	32.04 ug/L	98
8) Bromomethane	5.67	94	183816	16.76 ug/L	96
9) Chloroethane	5.88	64	250952	21.22 ug/L	97
10) Trichlorofluoromethane	6.69	101	711893	25.00 ug/L	100
11) Acetone	6.84	43	54973	17.78 ug/L	94
12) Iodomethane	7.47	142	169462	13.26 ug/L	95
13) 1,1-Dichloroethene	7.42	96	311532	21.30 ug/L	94
14) Methylene chloride	7.60	84	350234	20.33 ug/L	93
15) Freon 113	7.67	101	430506	23.50 ug/L	98
16) Carbon disulfide	7.93	76	783953	19.28 ug/L	95
17) trans-1,2-Dichloroethene	8.49	96	345878	20.87 ug/L	95
18) MTBE	8.62	73	671245	22.55 ug/L	99
19) 1,1-Dichloroethane	8.81	63	657792	21.30 ug/L	99
20) Vinyl acetate	8.95	43	284079	19.88 ug/L	100
21) n-Hexane	9.33	86	71219	23.36 ug/L	97
22) 2-Butanone (MEK)	9.34	72	18283	22.20 ug/L #	1
23) Diisopropylether (DIPE)	9.36	45	1265616	22.44 ug/L	96
24) cis-1,2-dichloroethene	9.55	96	371187	20.89 ug/L	97
25) Bromochloromethane	9.76	128	124244	20.23 ug/L	96
26) Chloroform	9.82	83	750011	22.66 ug/L	96
27) 2,2-Dichloropropane	9.93	77	540998	20.33 ug/L #	70
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	974383	22.76 ug/L	98
30) 1,2-Dichloroethane	10.66	62	499020	24.12 ug/L	99
31) 1,1,1-Trichloroethane	10.79	97	692384	23.90 ug/L	99
32) (TAME) tert-Amyl methy eth	11.49	73	689053	23.04 ug/L	96
34) 1,1-Dichloropropene	11.03	75	503176	25.36 ug/L	98
35) Carbon tetrachloride	11.27	117	587733	27.99 ug/L	100
36) Benzene	11.32	78	1222966	24.45 ug/L	96
37) Dibromomethane	12.04	93	187436	25.47 ug/L	97
38) 1,2-Dichloropropane	12.09	63	301049	23.89 ug/L	95
39) Trichloroethene	12.14	95	383601	24.73 ug/L	98
40) Bromodichloromethane	12.20	83	514352	26.25 ug/L	99

(#) = qualifier out of range (m) = manual integration
03151104.D 031411.M Tue Mar 15 19:32:39 2011

NL 3/16/11

NL 3/16/11

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151104.D Vial: 1
Acq On : 15 Mar 2011 8:07 am Operator: NL
Sample : 25 PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 8:56 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	93682	22.71 ug/L	96
42) cis-1,3-Dichloropropene	13.04	75	491839	25.66 ug/L	94
43) 4-Methyl-2-pentanone (MIBK	13.17	43	166441	26.75 ug/L	100
44) trans-1,3-Dichloropropene	13.60	75	400130	25.37 ug/L	95
45) 1,1,2-Trichloroethane	13.82	97	209239	25.04 ug/L	95
47) Toluene	14.09	92	745078	24.52 ug/L	99
49) 1,3-Dichloropropane	14.14	76	354468	24.12 ug/L	98
50) 2-Hexanone	14.33	43	101991	22.11 ug/L	97
51) Dibromochloromethane	14.52	129	281829	24.23 ug/L	98
52) 1,2-Dibromoethane	14.85	107	211109	23.82 ug/L	99
53) Tetrachloroethene	15.07	164	312190	23.81 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.88	131	308289	22.97 ug/L	98
55) Chlorobenzene	15.99	112	819350	23.74 ug/L	97
56) Ethylbenzene	16.25	91	1533999	24.84 ug/L	99
57) m,p-Xylenes	16.51	106	517578	23.79 ug/L	97
58) Styrene	16.96	104	842587	25.50 ug/L	98
59) o-Xylene	17.06	106	499732	26.08 ug/L	97
62) Bromoform	16.68	173	172693	22.08 ug/L	100
63) 1,1,2,2-Tetrachloroethane	17.05	83	197773	23.34 ug/L	97
64) 1,2,3-Trichloropropane	17.25	110	58728	23.88 ug/L	99
65) Isopropylbenzene	17.56	105	1354287	24.04 ug/L	99
66) Bromobenzene	17.92	156	368276	23.64 ug/L	98
67) n-Propylbenzene	18.17	91	1705511	23.37 ug/L	99
68) 2-Chlorotoluene	18.31	91	1100307	23.88 ug/L	96
69) 4-Chlorotoluene	18.42	91	1125381	24.04 ug/L	99
70) 1,3,5-Trimethylbenzene	18.57	105	1220251	24.16 ug/L	98
71) tert-Butylbenzene	18.96	119	993306	24.17 ug/L	97
72) 1,2,4-Trimethylbenzene	19.11	105	1214622	23.99 ug/L	98
73) sec-Butylbenzene	19.25	105	1544113	23.85 ug/L	100
74) 1,3-Dichlorobenzene	19.35	146	633025	22.68 ug/L	98
75) 1,4-Dichlorobenzene	19.44	146	637300	22.83 ug/L	99
76) p-Isopropyltoluene	19.48	119	1248271	23.90 ug/L	98
77) 1,2-Dichlorobenzene	19.88	146	577345	23.64 ug/L	99
78) n-Butylbenzene	19.98	91	1288245	24.56 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.45	75	36103	23.52 ug/L	90
80) 1,2,4-Trichlorobenzene	22.15	180	485174	24.49 ug/L	99
81) Naphthalene	22.50	128	529768	22.95 ug/L	98
82) Hexachlorobutadiene	22.55	225	280562	26.84 ug/L	99
83) 1,2,3-Trichlorobenzene	22.76	180	382100	24.06 ug/L	99

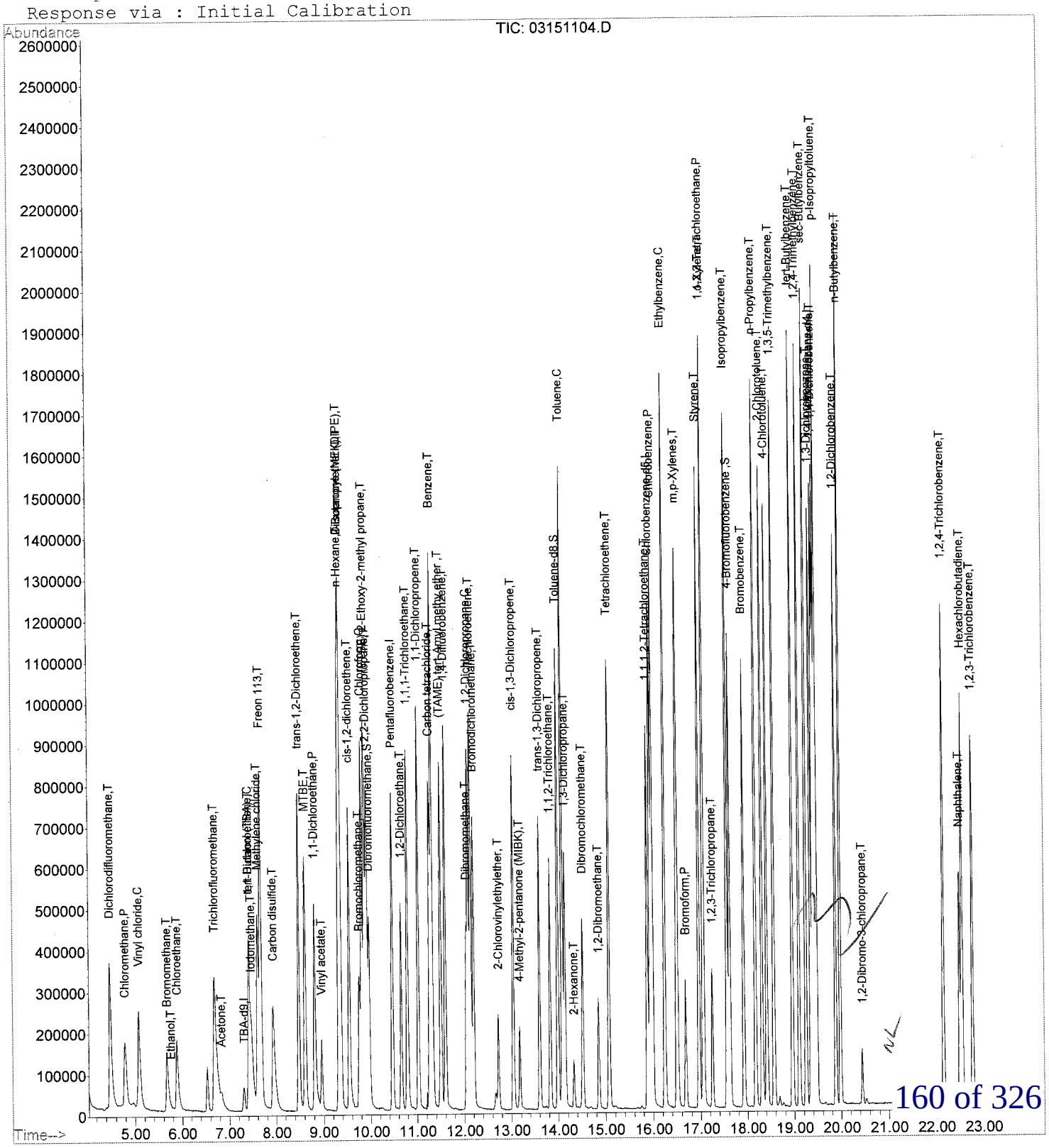
M

(#) = qualifier out of range (m) = manual integration
03151104.D 031411.M Tue Mar 15 19:32:40 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151104.D Vial: 1
Acq On : 15 Mar 2011 8:07 am Operator: NL
Sample : 25 PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 8:56 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151105.D Vial: 2
Acq On : 15 Mar 2011 8:41 am Operator: NL
Sample : 25 PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:12 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.30	65	112987	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	643154	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	824540	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.94	117	754150	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.40	152	430693	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	319417	21.66 ug/L	0.00
Spiked Amount 25.000			Recovery	= 86.64%	
46) Toluene-d8	13.98	98	888478	24.43 ug/L	0.00
Spiked Amount 25.000			Recovery	= 97.72%	
60) 4-Bromofluorobenzene	17.62	95	443689	26.67 ug/L	0.00
Spiked Amount 25.000			Recovery	= 106.68%	

Target Compounds					Qvalue
2) Ethanol	5.76	45	500	11.10 ug/L	88
3) tert-Butanol (TBA)	7.40	59	26066	41.83 ug/L #	83
5) Dichlorodifluoromethane	4.48	85	582494	24.72 ug/L	98
6) Chloromethane	4.77	50	340954	25.51 ug/L	98
7) Vinyl chloride	5.07	62	343000	24.00 ug/L	100
8) Bromomethane	5.66	94	281825	24.22 ug/L	93
9) Chloroethane	5.87	64	280054	22.98 ug/L	99
10) Trichlorofluoromethane	6.67	101	728625	24.83 ug/L	100
11) Acetone	6.83	43	72022	22.60 ug/L	97
12) Iodomethane	7.46	142	414628	29.03 ug/L	97
13) 1,1-Dichloroethene	7.40	96	320726	21.28 ug/L	94
14) Methylene chloride	7.59	84	374400	21.09 ug/L	97
15) Freon 113	7.66	101	444893	23.57 ug/L	98
16) Carbon disulfide	7.92	76	820704	19.59 ug/L	96
17) trans-1,2-Dichloroethene	8.48	96	363316	21.27 ug/L	97
18) MTBE	8.62	73	699328	22.80 ug/L	99
19) 1,1-Dichloroethane	8.80	63	704444	22.14 ug/L	100
20) Vinyl acetate	8.96	43	380744	25.86 ug/L	99
21) n-Hexane	9.32	86	75454	24.02 ug/L	100
22) 2-Butanone (MEK)	9.35	72	20565	24.23 ug/L #	70
23) Diisopropylether (DIPE)	9.36	45	1289016	22.18 ug/L	96
24) cis-1,2-dichloroethene	9.55	96	383564	20.95 ug/L	97
25) Bromochloromethane	9.76	128	144010	22.75 ug/L	96
26) Chloroform	9.81	83	750031	21.99 ug/L	99
27) 2,2-Dichloropropane	9.92	77	675886	24.65 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	1000797	22.68 ug/L	99
30) 1,2-Dichloroethane	10.66	62	502425	23.56 ug/L	99
31) 1,1,1-Trichloroethane	10.79	97	691100	23.15 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	690753	22.42 ug/L	98
34) 1,1-Dichloropropene	11.02	75	522447	25.50 ug/L	98
35) Carbon tetrachloride	11.27	117	585537	27.00 ug/L	98
36) Benzene	11.32	78	1214984	23.53 ug/L	97
37) Dibromomethane	12.04	93	189295	24.91 ug/L	98
38) 1,2-Dichloropropane	12.09	63	302997	23.28 ug/L	96
39) Trichloroethene	12.14	95	386902	24.15 ug/L	99
40) Bromodichloromethane	12.20	83	530691	26.23 ug/L	99

(#) = qualifier out of range (m) = manual integration
03151105.D 031411.M Tue Mar 15 19:32:46 2011

NL 5/16/11

NL 3/16/1

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151105.D Vial: 2
Acq On : 15 Mar 2011 8:41 am Operator: NL
Sample : 25 PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:12 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

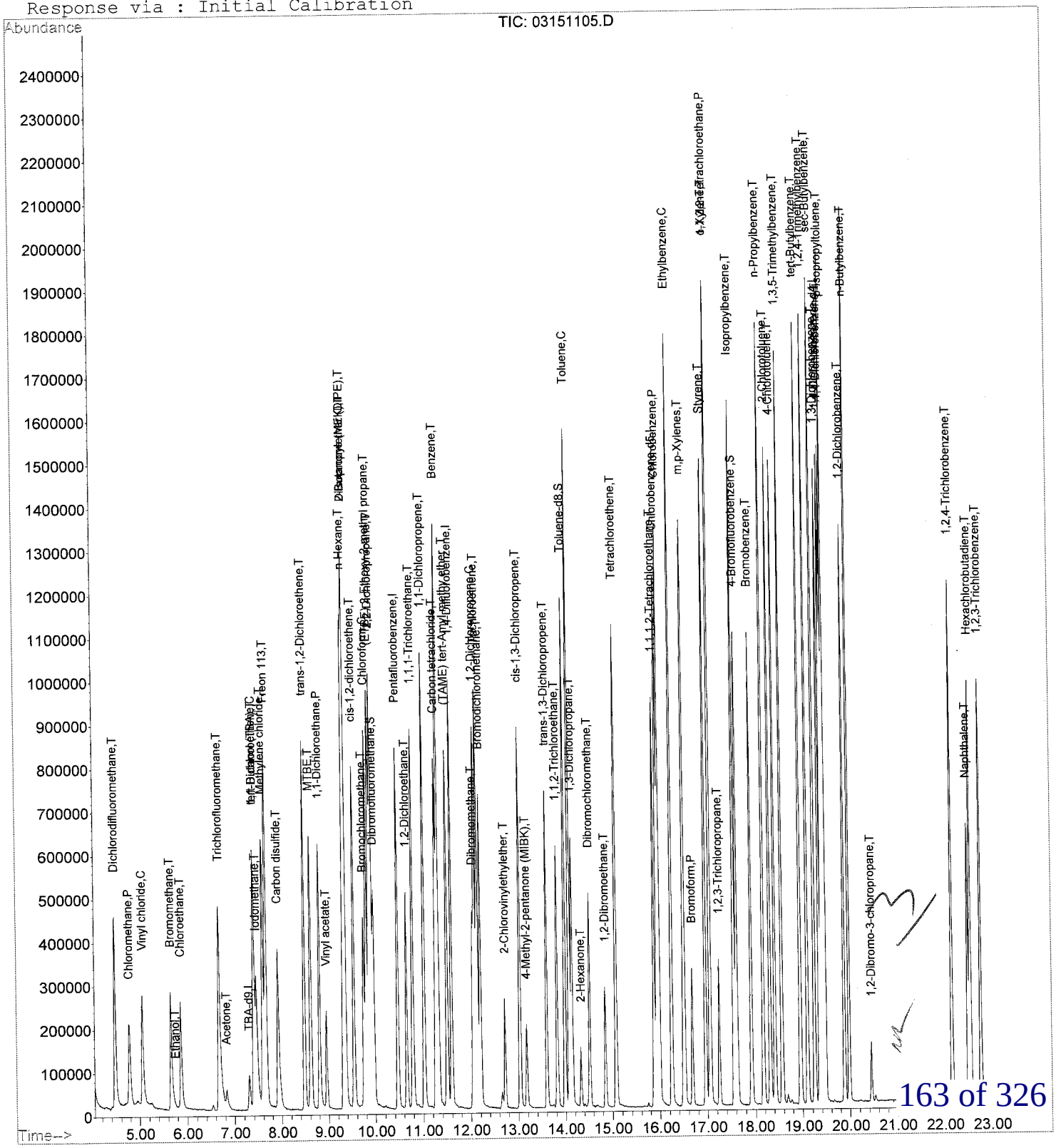
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	108658	25.51 ug/L	96
42) cis-1,3-Dichloropropene	13.04	75	512093	25.87 ug/L	95
43) 4-Methyl-2-pentanone (MIBK	13.17	43	166204	25.86 ug/L	99
44) trans-1,3-Dichloropropene	13.61	75	433570	26.62 ug/L	97
45) 1,1,2-Trichloroethane	13.82	97	212208	24.59 ug/L	97
47) Toluene	14.09	92	766368	24.42 ug/L	99
49) 1,3-Dichloropropane	14.15	76	366777	24.87 ug/L	99
50) 2-Hexanone	14.33	43	115708	24.99 ug/L	97
51) Dibromochloromethane	14.52	129	292756	25.08 ug/L	99
52) 1,2-Dibromoethane	14.85	107	220354	24.77 ug/L	100
53) Tetrachloroethene	15.07	164	316806	24.08 ug/L	100
54) 1,1,1,2-Tetrachloroethane	15.88	131	314417	23.34 ug/L	97
55) Chlorobenzene	15.99	112	829315	23.95 ug/L	99
56) Ethylbenzene	16.25	91	1545392	24.94 ug/L	99
57) m,p-Xylenes	16.51	106	526867	24.13 ug/L	97
58) Styrene	16.96	104	833927	25.15 ug/L	98
59) o-Xylene	17.06	106	506491	26.34 ug/L	97
62) Bromoform	16.69	173	181218	23.59 ug/L	99
63) 1,1,2,2-Tetrachloroethane	17.05	83	200911	24.15 ug/L	99
64) 1,2,3-Trichloropropane	17.25	110	62689	25.96 ug/L	95
65) Isopropylbenzene	17.56	105	1330389	24.05 ug/L	99
66) Bromobenzene	17.92	156	364085	23.80 ug/L	98
67) n-Propylbenzene	18.17	91	1752582	24.45 ug/L	100
68) 2-Chlorotoluene	18.31	91	1080608	23.89 ug/L	98
69) 4-Chlorotoluene	18.41	91	1108776	24.12 ug/L	98
70) 1,3,5-Trimethylbenzene	18.57	105	1198002	24.15 ug/L	99
71) tert-Butylbenzene	18.96	119	980514	24.30 ug/L	97
72) 1,2,4-Trimethylbenzene	19.11	105	1213410	24.41 ug/L	99
73) sec-Butylbenzene	19.25	105	1517258	23.87 ug/L	99
74) 1,3-Dichlorobenzene	19.35	146	640760	23.38 ug/L	99
75) 1,4-Dichlorobenzene	19.44	146	627958	22.91 ug/L	99
76) p-Isopropyltoluene	19.48	119	1236500	24.10 ug/L	99
77) 1,2-Dichlorobenzene	19.88	146	573248	23.91 ug/L	100
78) n-Butylbenzene	19.98	91	1279217	24.83 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.45	75	37672	25.00 ug/L	91
80) 1,2,4-Trichlorobenzene	22.15	180	495987	25.49 ug/L	99
81) Naphthalene	22.49	128	599186	26.43 ug/L	99
82) Hexachlorobutadiene	22.55	225	273660	26.66 ug/L	99
83) 1,2,3-Trichlorobenzene	22.76	180	409507	26.26 ug/L	100

(#) = qualifier out of range (m) = manual integration
03151105.D 031411.M Tue Mar 15 19:32:46 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151105.D Vial: 2
Acq On : 15 Mar 2011 8:41 am Operator: NL
Sample : 25 PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:12 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151105.D Vial: 2
Acq On : 15 Mar 2011 8:41 am Operator: NL
Sample : 25 PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	TBA-d9	1.000	1.000	0.0	90	0.00
2	T	Ethanol	0.080	0.004	95.0#	4#	-0.14
3	T	tert-Butanol (TBA)	1.108	0.369	66.7#	34#	-0.01
4	I	Pentafluorobenzene	1.000	1.000	0.0	92	0.00
5	T	Dichlorodifluoromethane	0.916	0.906	1.1	91	0.00
6	P	Chloromethane	0.520	0.530	-1.9	109	0.00
7	C	Vinyl chloride	0.556	0.533	4.1	91	0.00
8	T	Bromomethane	0.401	0.438	-9.2	96	0.00
9	T	Chloroethane	0.474	0.435	8.2	85	0.00
10	T	Trichlorofluoromethane	1.141	1.133	0.7	90	0.00
11	T	Acetone	0.124	0.112	9.7	96	0.00
12	T	Iodomethane	0.459	0.645	-40.5#	112	0.00
13	C	1,1-Dichloroethene	0.586	0.499	14.8	82	0.00
14	T	Methylene chloride	0.690	0.582	15.7	83	0.00
15	T	Freon 113	0.734	0.692	5.7	86	0.00
16	T	Carbon disulfide	1.629	1.276	21.7	81	0.00
17	T	trans-1,2-Dichloroethene	0.664	0.565	14.9	83	0.00
18	T	MTBE	1.192	1.087	8.8	84	0.00
19	P	1,1-Dichloroethane	1.237	1.095	11.5	84	0.00
20	T	Vinyl acetate	0.572	0.592	-3.5	92	0.00
21	T	n-Hexane	0.122	0.117	4.1	89	0.00
22	T	2-Butanone (MEK)	0.033	0.032	3.0	96	0.00
23	T	Diisopropylether (DIPE)	2.259	2.004	11.3	82	0.00
24	T	cis-1,2-dichloroethene	0.712	0.596	16.3	80	0.00
25	T	Bromochloromethane	0.246	0.224	8.9	84	0.00
26	C	Chloroform	1.326	1.166	12.1	85	0.00
27	T	2,2-Dichloropropane	1.066	1.051	1.4	97	0.00
28	T	(ETBE) 2-Ethoxy-2-methyl pr	1.715	1.556	9.3	83	0.00
29	S	Dibromofluoromethane	0.573	0.497	13.3	79	0.00
30	T	1,2-Dichloroethane	0.829	0.781	5.8	88	0.00
31	T	1,1,1-Trichloroethane	1.160	1.075	7.3	88	0.00
32	T	(TAME) tert-Amyl methy ethe	1.198	1.074	10.4	82	0.00
33	I	1,4-Difluorobenzene	1.000	1.000	0.0	81	0.00
34	T	1,1-Dichloropropene	0.621	0.634	-2.1	86	0.00
35	T	Carbon tetrachloride	0.657	0.710	-8.1	89	0.00
36	T	Benzene	1.566	1.474	5.9	81	0.00
37	T	Dibromomethane	0.230	0.230	0.0	81	0.00
38	C	1,2-Dichloropropane	0.395	0.367	7.1	77	0.00
39	T	Trichloroethene	0.486	0.469	3.5	81	0.00
40	T	Bromodichloromethane	0.614	0.644	-4.9	87	0.00
41	T	2-Chlorovinylethylether	0.129	0.132	-2.3	79	0.00
42	T	cis-1,3-Dichloropropene	0.600	0.621	-3.5	84	0.00
43	T	4-Methyl-2-pentanone (MIBK)	0.195	0.202	-3.6	82	0.00
44	T	trans-1,3-Dichloropropene	0.494	0.526	-6.5	85	0.00
45	T	1,1,2-Trichloroethane	0.262	0.257	1.9	81	0.00
46	S	Toluene-d8	1.103	1.078	2.3	78	0.00
47	I	Toluene	0.952	0.929	2.4	82	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151105.D Vial: 2
Acq On : 15 Mar 2011 8:41 am Operator: NL
Sample : 25 PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,3-Dichloropropane	0.489	0.486	0.6	83	0.00
50	T	2-Hexanone	0.153	0.153	0.0	88	0.00
51	T	Dibromochloromethane	0.387	0.388	-0.3	81	0.00
52	T	1,2-Dibromoethane	0.295	0.292	1.0	81	0.00
53	T	Tetrachloroethene	0.436	0.420	3.7	83	0.00
54	T	1,1,1,2-Tetrachloroethane	0.447	0.417	6.7	84	0.00
55	P	Chlorobenzene	1.148	1.100	4.2	82	0.00
56	C	Ethylbenzene	2.054	2.049	0.2	83	0.00
57	T	m,p-Xylenes	0.724	0.699	3.5	84	0.00
58	T	Styrene	1.099	1.106	-0.6	83	0.00
59	T	o-Xylene	0.692	0.672	2.9	84	0.00
60	S	4-Bromofluorobenzene	0.551	0.588	-6.7	87	0.00
61	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
62	P	Bromoform	0.446	0.421	5.6	78	0.00
63	P	1,1,2,2-Tetrachloroethane	0.483	0.466	3.5	82	0.00
64	T	1,2,3-Trichloropropane	0.140	0.146	-4.3	89	0.00
65	T	Isopropylbenzene	3.211	3.089	3.8	83	0.00
66	T	Bromobenzene	0.888	0.845	4.8	83	0.00
67	T	n-Propylbenzene	4.160	4.069	2.2	86	0.00
68	T	2-Chlorotoluene	2.626	2.509	4.5	85	0.00
69	T	4-Chlorotoluene	2.669	2.574	3.6	87	0.00
70	T	1,3,5-Trimethylbenzene	2.879	2.782	3.4	86	0.00
71	T	tert-Butylbenzene	2.342	2.277	2.8	86	0.00
72	T	1,2,4-Trimethylbenzene	2.886	2.817	2.4	85	0.00
73	T	sec-Butylbenzene	3.690	3.523	4.5	83	0.00
74	T	1,3-Dichlorobenzene	1.591	1.488	6.5	85	0.00
75	T	1,4-Dichlorobenzene	1.591	1.458	8.4	83	0.00
76	T	p-Isopropyltoluene	2.978	2.871	3.6	85	0.00
77	T	1,2-Dichlorobenzene	1.392	1.331	4.4	84	0.00
78	T	n-Butylbenzene	2.990	2.970	0.7	86	0.00
79	T	1,2-Dibromo-3-chloropropane	0.087	0.087	0.0	90	0.00
80	T	1,2,4-Trichlorobenzene	1.129	1.152	-2.0	88	0.00
81	T	Naphthalene	1.316	1.391	-5.7	85	0.00
82	T	Hexachlorobutadiene	0.596	0.635	-6.5	90	0.00
83	T	1,2,3-Trichlorobenzene	0.905	0.951	-5.1	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
03151105.D 031411.M Tue Mar 15 19:32:53 2011

8260 Continuing Calibration (CCV) Report

Sample Name 25 PPB CCV
Data File Name 03151105.D
Operator NL
Date Acquired 3/15/2011 8:41
Acq. Method File 8260B

Internal Standards	Calib. Response	CCV Response	Low	High	P/F
TBA-d9	125792	112987	56494	225974	TRUE
Pentafluorobenzene	699455	643154	321577	1286308	TRUE
1,4-Difluorobenzene	1014981	824540	412270	1649080	TRUE
Chlorobenzene-d5	936018	754150	377075	1508300	TRUE
1,4-Dichlorobenzene-d4	492554	430693	215347	861386	TRUE

Compound	Amount	Spiked Amount	% Recovery	Low	High	P/F
Ethanol	11.10	250	4.44	80	140	FALSE
tert-Butanol (TBA)	41.83	125	33.46	80	120	FALSE
Dichlorodifluoromethane	24.72	25	98.89	60	150	TRUE
Chloromethane	25.51	25	102.03	60	140	TRUE
Vinyl chloride	24.00	25	95.98	80	120	TRUE
Bromomethane	24.22	25	96.88	70	140	TRUE
Chloroethane	22.98	25	91.92	70	130	TRUE
Trichlorofluoromethane	24.83	25	99.32	70	150	TRUE
Acetone	22.60	25	90.40	10	150	TRUE
Iodomethane	29.03	25	116.12	70	140	TRUE
1,1-Dichloroethene	21.28	25	85.13	80	120	TRUE
Methylene chloride	21.09	25	84.37	70	120	TRUE
Freon 113	23.57	25	94.27	60	140	TRUE
Carbon disulfide	19.59	25	78.36	70	130	TRUE
trans-1,2-Dichloroethene	21.27	25	85.10	80	120	TRUE
MTBE	22.80	25	91.21	70	130	TRUE
1,1-Dichloroethane	22.14	25	88.54	70	125	TRUE
Vinyl acetate	25.86	25	103.45	40	150	TRUE
n-Hexane	24.02	25	96.07	70	130	TRUE
2-Butanone (MEK)	24.23	25	96.94	40	150	TRUE
Diisopropylether (DIPE)	22.18	25	88.73	80	130	TRUE
cis-1,2-dichloroethene	20.95	25	83.80	80	120	TRUE
Bromochloromethane	22.75	25	91.01	80	120	TRUE
Chloroform	21.99	25	87.96	80	120	TRUE
2,2-Dichloropropane	24.65	25	98.59	80	130	TRUE
:TBE) 2-Ethoxy-2-methyl propai	22.68	25	90.73	80	130	TRUE
Dibromofluoromethane	21.66	25	86.64	80	120	TRUE
1,2-Dichloroethane	23.56	25	94.26	75	130	TRUE
1,1,1-Trichloroethane	23.15	25	92.61	80	120	TRUE
(TAME) tert-Amyl methy ether	22.42	25	89.68	80	130	TRUE
1,1-Dichloropropene	25.50	25	102.00	80	120	TRUE
Carbon tetrachloride	27.00	25	108.01	80	130	TRUE
Benzene	23.53	25	94.10	80	120	TRUE

Dibromomethane	24.91	25	99.65	80	120	TRUE
1,2-Dichloropropane	23.28	25	93.12	80	120	TRUE
Trichloroethene	24.15	25	96.61	80	120	TRUE
Bromodichloromethane	26.23	25	104.90	80	120	TRUE
2-Chlorovinylethylether	25.51	25	102.02	70	135	TRUE
cis-1,3-Dichloropropene	25.87	25	103.46	80	120	TRUE
4-Methyl-2-pentanone (MIBK)	25.86	25	103.44	60	130	TRUE
trans-1,3-Dichloropropene	26.62	25	106.48	80	125	TRUE
1,1,2-Trichloroethane	24.59	25	98.35	80	120	TRUE
Toluene-d8	24.43	25	97.73	80	120	TRUE
Toluene	24.42	25	97.67	80	120	TRUE
1,3-Dichloropropane	24.87	25	99.48	80	120	TRUE
2-Hexanone	24.99	25	99.96	20	150	TRUE
Dibromochloromethane	25.08	25	100.33	80	120	TRUE
1,2-Dibromoethane	24.77	25	99.09	80	120	TRUE
Tetrachloroethene	24.08	25	96.31	70	130	TRUE
1,1,1,2-Tetrachloroethane	23.34	25	93.35	80	120	TRUE
Chlorobenzene	23.95	25	95.78	80	120	TRUE
Ethylbenzene	24.94	25	99.76	80	120	TRUE
m,p-Xylenes	24.13	25	96.53	60	140	TRUE
Styrene	25.15	25	100.58	80	120	TRUE
o-Xylene	26.34	25	105.37	80	120	TRUE
4-Bromofluorobenzene	26.67	25	106.69	80	120	TRUE
Bromoform	23.59	25	94.37	80	120	TRUE
1,1,2,2-Tetrachloroethane	24.15	25	96.58	80	120	TRUE
1,2,3-Trichloropropane	25.96	25	103.84	70	130	TRUE
Isopropylbenzene	24.05	25	96.20	80	130	TRUE
Bromobenzene	23.80	25	95.20	80	120	TRUE
n-Propylbenzene	24.45	25	97.81	75	130	TRUE
2-Chlorotoluene	23.89	25	95.55	80	120	TRUE
4-Chlorotoluene	24.12	25	96.46	80	120	TRUE
1,3,5-Trimethylbenzene	24.15	25	96.60	80	130	TRUE
tert-Butylbenzene	24.30	25	97.19	80	120	TRUE
1,2,4-Trimethylbenzene	24.41	25	97.64	80	120	TRUE
sec-Butylbenzene	23.87	25	95.46	80	125	TRUE
1,3-Dichlorobenzene	23.38	25	93.51	80	120	TRUE
1,4-Dichlorobenzene	22.91	25	91.63	80	120	TRUE
p-Isopropyltoluene	24.10	25	96.42	80	130	TRUE
1,2-Dichlorobenzene	23.91	25	95.63	80	120	TRUE
n-Butylbenzene	24.83	25	99.33	80	130	TRUE
1,2-Dibromo-3-chloropropane	25.00	25	99.99	50	150	TRUE
1,2,4-Trichlorobenzene	25.49	25	101.98	50	150	TRUE
Naphthalene	26.43	25	105.72	40	150	TRUE
Hexachlorobutadiene	26.66	25	106.63	40	150	TRUE
1,2,3-Trichlorobenzene	26.26	25	105.03	60	140	TRUE

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151106.D Vial: 3
Acq On : 15 Mar 2011 9:14 am Operator: NL
Sample : 11C0567-BS1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:11 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.30	65	113822	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	666295	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	856410	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.94	117	788831	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.40	152	448237	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	333049	21.80 ug/L	0.00
Spiked Amount 25.000			Recovery =	87.20%	
46) Toluene-d8	13.98	98	926229	24.52 ug/L	0.00
Spiked Amount 25.000			Recovery =	98.08%	
60) 4-Bromofluorobenzene	17.62	95	459060	26.38 ug/L	0.00
Spiked Amount 25.000			Recovery =	105.52%	

Target Compounds					Qvalue
2) Ethanol	5.93	45	1143	25.19 ug/L	96
3) tert-Butanol (TBA)	7.40	59	27810	44.59 ug/L #	82
5) Dichlorodifluoromethane	4.47	85	668493	27.39 ug/L	99
6) Chloromethane	4.77	50	343142	24.78 ug/L	100
7) Vinyl chloride	5.06	62	368947	24.91 ug/L	99
8) Bromomethane	5.66	94	320408	26.40 ug/L	90
9) Chloroethane	5.86	64	295680	23.42 ug/L	98
10) Trichlorofluoromethane	6.67	101	865289	28.46 ug/L	98
11) Acetone	6.83	43	70649	21.40 ug/L	92
12) Iodomethane	7.45	142	521139	34.84 ug/L	97
13) 1,1-Dichloroethene	7.40	96	360046	23.06 ug/L	97
14) Methylene chloride	7.59	84	391354	21.28 ug/L	96
15) Freon 113	7.66	101	455218	23.28 ug/L	99
16) Carbon disulfide	7.92	76	1021103	23.53 ug/L	98
17) trans-1,2-Dichloroethene	8.48	96	387036	21.88 ug/L	96
18) MTBE	8.62	73	735468	23.15 ug/L	99
19) 1,1-Dichloroethane	8.80	63	706899	21.44 ug/L	99
20) Vinyl acetate	8.96	43	594063	38.95 ug/L	99
21) n-Hexane	9.32	86	69588	21.38 ug/L	93
22) 2-Butanone (MEK)	9.34	72	22464	25.55 ug/L #	41
23) Diisopropylether (DIPE)	9.36	45	1327224	22.05 ug/L	98
24) cis-1,2-dichloroethene	9.54	96	389315	20.53 ug/L	98
25) Bromochloromethane	9.76	128	148906	22.71 ug/L	95
26) Chloroform	9.81	83	769569	21.78 ug/L	99
27) 2,2-Dichloropropane	9.92	77	677109	23.84 ug/L	98
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	1049101	22.95 ug/L	99
30) 1,2-Dichloroethane	10.66	62	525941	23.81 ug/L	99
31) 1,1,1-Trichloroethane	10.79	97	716626	23.17 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	736537	23.07 ug/L	99
34) 1,1-Dichloropropene	11.02	75	534490	25.12 ug/L	99
35) Carbon tetrachloride	11.27	117	604973	26.86 ug/L	99
36) Benzene	11.32	78	1265384	23.59 ug/L	97
37) Dibromomethane	12.04	93	206439	26.16 ug/L	100
38) 1,2-Dichloropropane	12.09	63	334725	24.76 ug/L #	89
39) Trichloroethene	12.14	95	413028	24.82 ug/L	97
40) Bromodichloromethane	12.20	83	540294	25.71 ug/L	98

(#) = qualifier out of range (m) = manual integration
03151106.D 031411.M Tue Mar 15 19:35:22 2011

NL 3/16/11

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151106.D Vial: 3
Acq On : 15 Mar 2011 9:14 am Operator: NL
Sample : 11C0567-BS1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:11 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

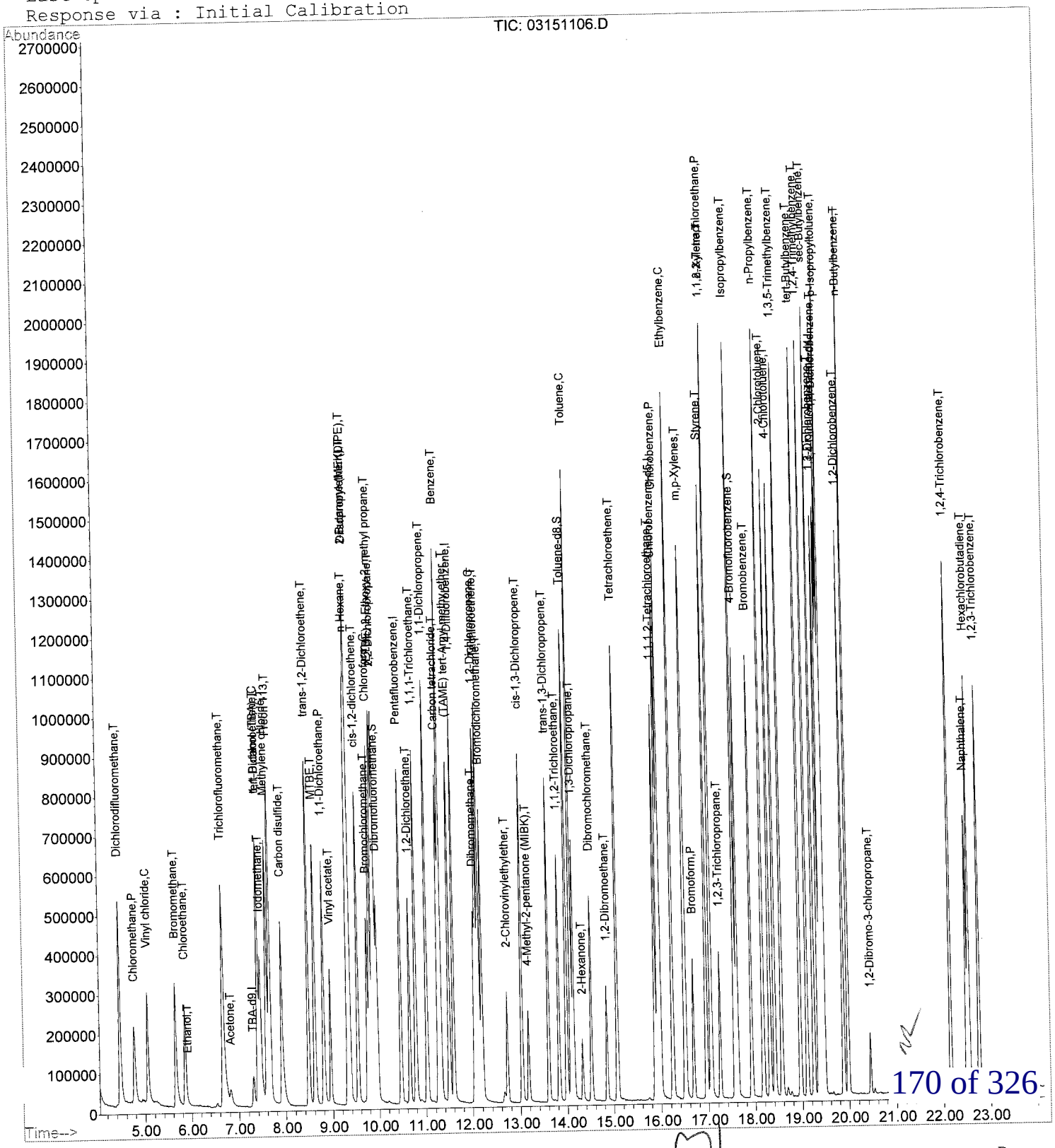
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	120591	27.25 ug/L	98
42) cis-1,3-Dichloropropene	13.04	75	513124	24.95 ug/L	96
43) 4-Methyl-2-pentanone (MIBK	13.17	43	200578	30.05 ug/L	98
44) trans-1,3-Dichloropropene	13.60	75	475231	28.09 ug/L	96
45) 1,1,2-Trichloroethane	13.82	97	223672	24.95 ug/L	98
47) Toluene	14.09	92	777595	23.85 ug/L	99
49) 1,3-Dichloropropane	14.14	76	383497	24.86 ug/L	97
50) 2-Hexanone	14.33	43	135612	28.00 ug/L	97
51) Dibromochloromethane	14.52	129	317613	26.02 ug/L	98
52) 1,2-Dibromoethane	14.85	107	233283	25.07 ug/L	99
53) Tetrachloroethene	15.07	164	330919	24.05 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.88	131	335698	23.82 ug/L	98
55) Chlorobenzene	15.99	112	862030	23.80 ug/L	98
56) Ethylbenzene	16.25	91	1568178	24.19 ug/L	99
57) m,p-Xylenes	16.51	106	541848	23.73 ug/L	97
58) Styrene	16.96	104	858643	24.75 ug/L	98
59) o-Xylene	17.06	106	519268	25.81 ug/L	99
62) Bromoform	16.68	173	203900	25.51 ug/L	98
63) 1,1,2,2-Tetrachloroethane	17.05	83	226092	26.11 ug/L	99
64) 1,2,3-Trichloropropane	17.25	110	68159	27.12 ug/L	95
65) Isopropylbenzene	17.56	105	1526483	26.51 ug/L	99
66) Bromobenzene	17.92	156	382180	24.01 ug/L	99
67) n-Propylbenzene	18.17	91	1870874	25.08 ug/L	100
68) 2-Chlorotoluene	18.31	91	1118732	23.76 ug/L	98
69) 4-Chlorotoluene	18.42	91	1180345	24.67 ug/L	99
70) 1,3,5-Trimethylbenzene	18.57	105	1296787	25.12 ug/L	99
71) tert-Butylbenzene	18.96	119	1028256	24.48 ug/L	98
72) 1,2,4-Trimethylbenzene	19.11	105	1285567	24.85 ug/L	98
73) sec-Butylbenzene	19.25	105	1580683	23.89 ug/L	99
74) 1,3-Dichlorobenzene	19.35	146	660239	23.15 ug/L	98
75) 1,4-Dichlorobenzene	19.44	146	680411	23.85 ug/L	99
76) p-Isopropyltoluene	19.48	119	1326835	24.85 ug/L	99
77) 1,2-Dichlorobenzene	19.88	146	602186	24.13 ug/L	99
78) n-Butylbenzene	19.98	91	1355331	25.28 ug/L	100
79) 1,2-Dibromo-3-chloropropan	20.45	75	40663	25.93 ug/L	94
80) 1,2,4-Trichlorobenzene	22.15	180	553994	27.36 ug/L	99
81) Naphthalene	22.50	128	669633	28.38 ug/L	100
82) Hexachlorobutadiene	22.55	225	299049	27.99 ug/L	98
83) 1,2,3-Trichlorobenzene	22.77	180	446299	27.50 ug/L	99

(#) = qualifier out of range (m) = manual integration
03151106.D 031411.M Tue Mar 15 19:35:22 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151106.D Vial: 3
Acq On : 15 Mar 2011 9:14 am Operator: NL
Sample : 11C0567-BS1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:11 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



03151106.D 031411.M Tue Mar 15 19:35:24 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151107.D Vial: 4
Acq On : 15 Mar 2011 9:46 am Operator: NL
Sample : 11C0567-BSD1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:11 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	98080	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	680574	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	880333	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.94	117	808356	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.40	152	458161	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	330932	21.21 ug/L	0.00
Spiked Amount 25.000			Recovery =	84.84%	
46) Toluene-d8	13.98	98	946377	24.37 ug/L	0.00
Spiked Amount 25.000			Recovery =	97.48%	
60) 4-Bromofluorobenzene	17.62	95	457741	25.67 ug/L	0.00
Spiked Amount 25.000			Recovery =	102.68%	

Target Compounds					Qvalue
2) Ethanol	5.87	45	524	13.40 ug/L	81
3) tert-Butanol (TBA)	7.41	59	29377	55.80 ug/L #	83
5) Dichlorodifluoromethane	4.47	85	692986	27.79 ug/L	100
6) Chloromethane	4.78	50	382593	27.05 ug/L	99
7) Vinyl chloride	5.07	62	390918	25.84 ug/L	99
8) Bromomethane	5.66	94	279614	22.82 ug/L	95
9) Chloroethane	5.88	64	307725	23.86 ug/L	99
10) Trichlorofluoromethane	6.69	101	889030	28.63 ug/L	100
11) Acetone	6.84	43	58556	17.36 ug/L	99
12) Iodomethane	7.46	142	387049	25.82 ug/L	91
13) 1,1-Dichloroethene	7.41	96	372661	23.37 ug/L	98
14) Methylene chloride	7.60	84	389721	20.75 ug/L	97
15) Freon 113	7.66	101	475861	23.82 ug/L	99
16) Carbon disulfide	7.93	76	1061743	23.95 ug/L	98
17) trans-1,2-Dichloroethene	8.48	96	395746	21.90 ug/L	96
18) MTBE	8.62	73	681758	21.01 ug/L	100
19) 1,1-Dichloroethane	8.81	63	769200	22.84 ug/L	99
20) Vinyl acetate	8.96	43	451500	28.98 ug/L	99
21) n-Hexane	9.33	86	75715	22.77 ug/L	98
22) 2-Butanone (MEK)	9.34	72	19435	21.64 ug/L #	90
23) Diisopropylether (DIPE)	9.36	45	1319440	21.46 ug/L	97
24) cis-1,2-dichloroethene	9.55	96	406847	21.00 ug/L	98
25) Bromochloromethane	9.76	128	137992	20.60 ug/L	98
26) Chloroform	9.82	83	800389	22.18 ug/L	99
27) 2,2-Dichloropropane	9.92	77	655657	22.60 ug/L	98
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	979064	20.97 ug/L	98
30) 1,2-Dichloroethane	10.66	62	505284	22.40 ug/L	99
31) 1,1,1-Trichloroethane	10.79	97	743480	23.54 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	672322	20.62 ug/L	99
34) 1,1-Dichloropropene	11.02	75	570941	26.10 ug/L	99
35) Carbon tetrachloride	11.27	117	631418	27.27 ug/L	99
36) Benzene	11.32	78	1313437	23.82 ug/L	97
37) Dibromomethane	12.04	93	199780	24.63 ug/L	99
38) 1,2-Dichloropropane	12.09	63	334016	24.04 ug/L	99
39) Trichloroethene	12.14	95	418521	24.47 ug/L	99
40) Bromodichloromethane	12.20	83	530901	24.57 ug/L	99

(#) = qualifier out of range (m) = manual integration
03151107.D 031411.M Tue Mar 15 19:35:28 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151107.D Vial: 4
Acq On : 15 Mar 2011 9:46 am Operator: NL
Sample : 11C0567-BSD1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:11 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

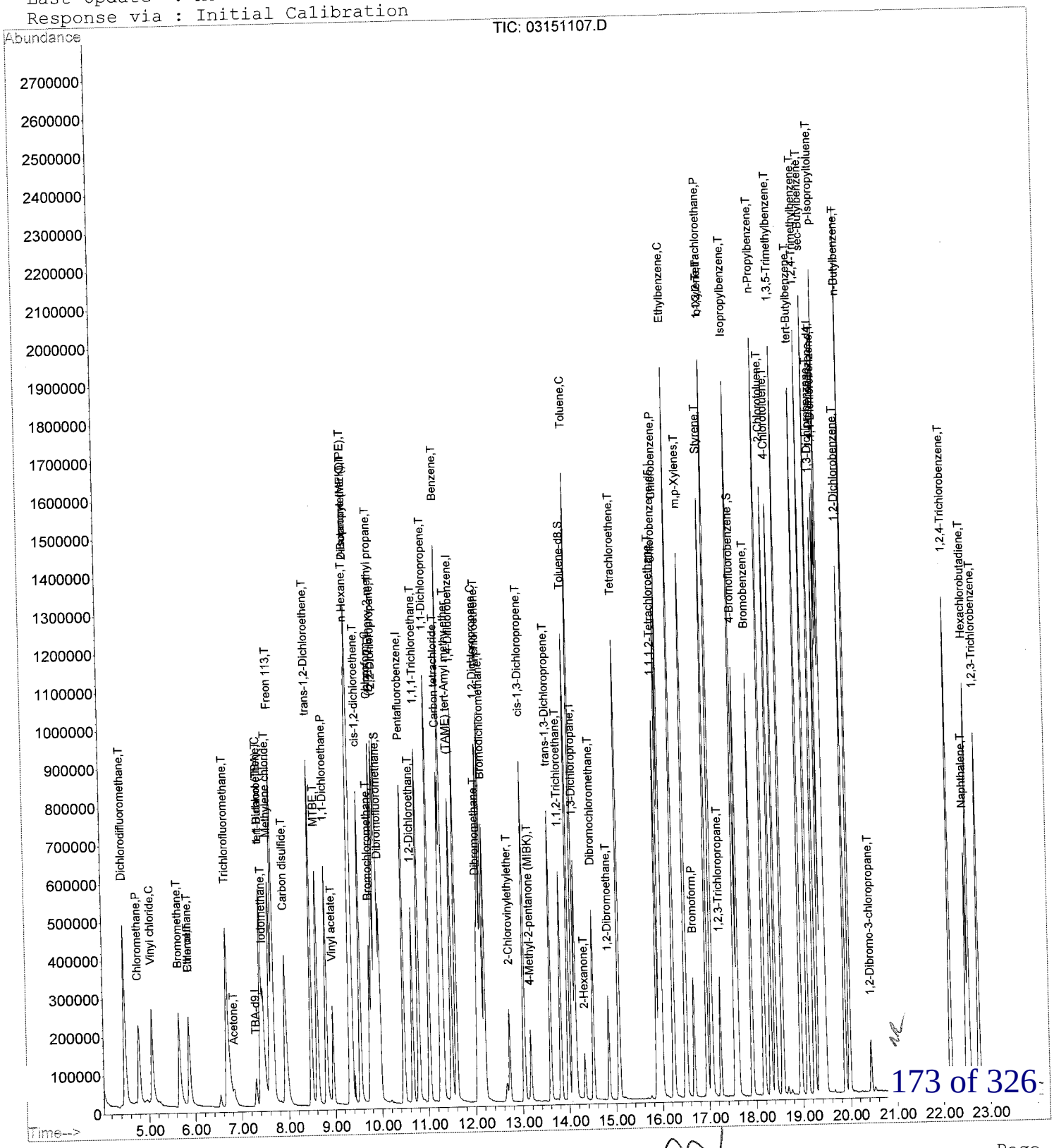
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.73	63	104704	23.02 ug/L	99
42) cis-1,3-Dichloropropene	13.04	75	521179	24.66 ug/L	97
43) 4-Methyl-2-pentanone (MIBK	13.17	43	160561	23.40 ug/L	100
44) trans-1,3-Dichloropropene	13.60	75	450845	25.93 ug/L	99
45) 1,1,2-Trichloroethane	13.82	97	214626	23.29 ug/L	99
47) Toluene	14.09	92	808397	24.12 ug/L	99
49) 1,3-Dichloropropane	14.14	76	365838	23.14 ug/L	98
50) 2-Hexanone	14.33	43	105004	21.16 ug/L	96
51) Dibromochloromethane	14.52	129	299821	23.97 ug/L	100
52) 1,2-Dibromoethane	14.85	107	216874	22.75 ug/L	99
53) Tetrachloroethene	15.07	164	352326	24.98 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.88	131	332088	23.00 ug/L	99
55) Chlorobenzene	15.99	112	888758	23.94 ug/L	99
56) Ethylbenzene	16.25	91	1655362	24.92 ug/L	100
57) m,p-Xylenes	16.51	106	560263	23.94 ug/L	99
58) Styrene	16.96	104	883419	24.85 ug/L	99
59) o-Xylene	17.06	106	533478	25.88 ug/L	99
62) Bromoform	16.68	173	182760	22.37 ug/L	99
63) 1,1,2,2-Tetrachloroethane	17.05	83	197050	22.26 ug/L	98
64) 1,2,3-Trichloropropane	17.25	110	58679	22.84 ug/L	95
65) Isopropylbenzene	17.56	105	1560951	26.53 ug/L	100
66) Bromobenzene	17.92	156	378978	23.29 ug/L	99
67) n-Propylbenzene	18.17	91	1928061	25.29 ug/L	100
68) 2-Chlorotoluene	18.31	91	1131465	23.51 ug/L	99
69) 4-Chlorotoluene	18.41	91	1188788	24.31 ug/L	99
70) 1,3,5-Trimethylbenzene	18.57	105	1333697	25.27 ug/L	100
71) tert-Butylbenzene	18.96	119	1013248	23.60 ug/L	98
72) 1,2,4-Trimethylbenzene	19.11	105	1332998	25.21 ug/L	99
73) sec-Butylbenzene	19.25	105	1659874	24.54 ug/L	100
74) 1,3-Dichlorobenzene	19.35	146	665542	22.83 ug/L	99
75) 1,4-Dichlorobenzene	19.44	146	680902	23.35 ug/L	99
76) p-Isopropyltoluene	19.48	119	1353696	24.81 ug/L	99
77) 1,2-Dichlorobenzene	19.88	146	598466	23.46 ug/L	99
78) n-Butylbenzene	19.98	91	1412874	25.78 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.45	75	35054	21.86 ug/L	95
80) 1,2,4-Trichlorobenzene	22.15	180	533495	25.78 ug/L	99
81) Naphthalene	22.50	128	585437	24.28 ug/L	99
82) Hexachlorobutadiene	22.55	225	300580	27.52 ug/L	100
83) 1,2,3-Trichlorobenzene	22.76	180	408420	24.62 ug/L	99

(#) = qualifier out of range (m) = manual integration
03151107.D 031411.M Tue Mar 15 19:35:29 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151107.D Vial: 4
Acq On : 15 Mar 2011 9:46 am Operator: NL
Sample : 11C0567-BSD1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:11 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



03151107.D 031411.M Tue Mar 15 19:35:30 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151108.D Vial: 5
Acq On : 15 Mar 2011 10:20 am Operator: NL
Sample : 11C0567-MS1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:12 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	118137	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	685454	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	903082	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	812762	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	444858	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	337256	21.46 ug/L	0.00
Spiked Amount 25.000			Recovery =	85.84%	
46) Toluene-d8	13.99	98	970939	24.38 ug/L	0.00
Spiked Amount 25.000			Recovery =	97.52%	
60) 4-Bromofluorobenzene	17.62	95	471379	26.29 ug/L	0.00
Spiked Amount 25.000			Recovery =	105.16%	

Target Compounds					Qvalue
2) Ethanol	5.89	45	690	14.65 ug/L	79
3) tert-Butanol (TBA)	7.41	59	29535	45.75 ug/L #	81
5) Dichlorodifluoromethane	4.47	85	692275	27.57 ug/L	100
6) Chloromethane	4.78	50	364458	25.58 ug/L	99
7) Vinyl chloride	5.06	62	398837	26.18 ug/L	100
8) Bromomethane	5.66	94	293293	23.69 ug/L	94
9) Chloroethane	5.86	64	306651	23.61 ug/L	98
10) Trichlorofluoromethane	6.67	101	897719	28.70 ug/L	98
11) Acetone	6.83	43	57822	17.02 ug/L	100
12) Iodomethane	7.46	142	484521	31.66 ug/L	95
13) 1,1-Dichloroethene	7.40	96	381486	23.75 ug/L	99
14) Methylene chloride	7.59	84	383392	20.27 ug/L	97
15) Freon 113	7.66	101	478498	23.78 ug/L	99
16) Carbon disulfide	7.92	76	1106795	24.79 ug/L	99
17) trans-1,2-Dichloroethene	8.48	96	408368	22.44 ug/L	97
18) MTBE	8.61	73	676334	20.69 ug/L	99
19) 1,1-Dichloroethane	8.81	63	738678	21.78 ug/L	99
20) Vinyl acetate	8.95	43	563888	35.94 ug/L	99
21) n-Hexane	9.32	86	73805	22.04 ug/L	93
22) 2-Butanone (MEK)	9.35	72	18756	20.74 ug/L #	96
23) Diisopropylether (DIPE)	9.36	45	1307936	21.12 ug/L	98
24) cis-1,2-dichloroethene	9.54	96	402818	20.64 ug/L	99
25) Bromochloromethane	9.75	128	141389	20.96 ug/L	97
26) Chloroform	9.81	83	772520	21.25 ug/L	99
27) 2,2-Dichloropropane	9.92	77	698244	23.89 ug/L	95
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	986461	20.98 ug/L	98
30) 1,2-Dichloroethane	10.66	62	497806	21.91 ug/L	98
31) 1,1,1-Trichloroethane	10.79	97	730619	22.97 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	699153	21.29 ug/L	99
34) 1,1-Dichloropropene	11.03	75	573854	25.57 ug/L	99
35) Carbon tetrachloride	11.26	117	623286	26.24 ug/L	99
36) Benzene	11.32	78	1300081	22.98 ug/L	98
37) Dibromomethane	12.04	93	200429	24.08 ug/L	98
38) 1,2-Dichloropropane	12.09	63	325423	22.83 ug/L	99
39) Trichloroethene	12.14	95	426990	24.34 ug/L	99
40) Bromodichloromethane	12.20	83	521500	23.53 ug/L	100

(#) = qualifier out of range (m) = manual integration
03151108.D 031411.M Tue Mar 15 19:35:34 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151108.D Vial: 5
Acq On : 15 Mar 2011 10:20 am Operator: NL
Sample : 11C0567-MS1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:12 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

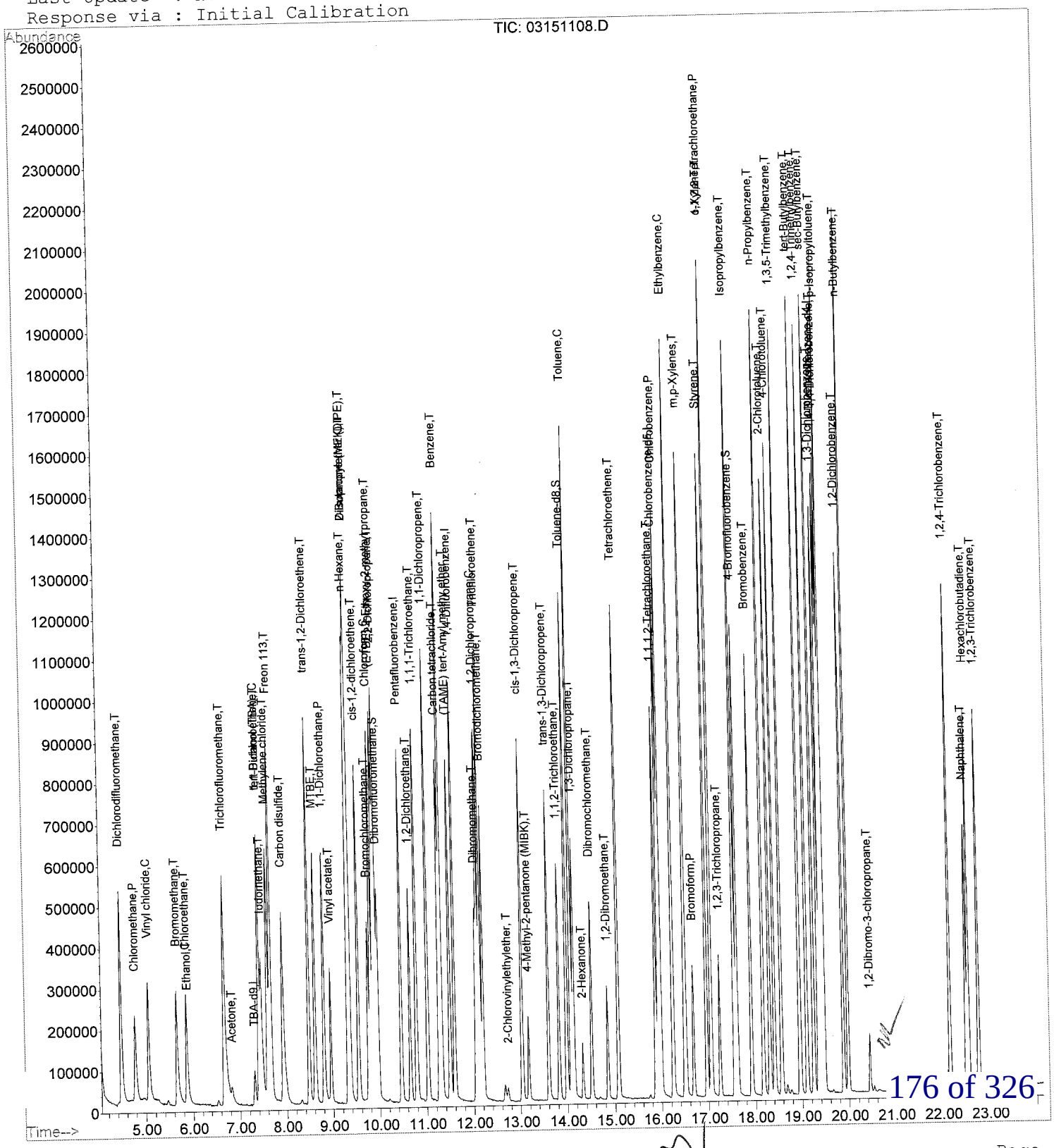
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.72	63	15523	3.33 ug/L #	93
42) cis-1,3-Dichloropropene	13.04	75	523168	24.13 ug/L	97
43) 4-Methyl-2-pentanone (MIBK	13.17	43	179879	25.55 ug/L	99
44) trans-1,3-Dichloropropene	13.60	75	449292	25.19 ug/L	98
45) 1,1,2-Trichloroethane	13.82	97	214566	22.70 ug/L	99
47) Toluene	14.08	92	812116	23.62 ug/L	99
49) 1,3-Dichloropropane	14.14	76	373485	23.50 ug/L	98
50) 2-Hexanone	14.33	43	116407	23.33 ug/L	98
51) Dibromochloromethane	14.52	129	303750	24.15 ug/L	99
52) 1,2-Dibromoethane	14.85	107	224678	23.44 ug/L	99
53) Tetrachloroethene	15.08	164	352836	24.88 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.88	131	325577	22.42 ug/L	98
55) Chlorobenzene	15.99	112	853670	22.87 ug/L	98
56) Ethylbenzene	16.25	91	1674387	25.07 ug/L	99
57) m,p-Xylenes	16.50	106	620202	26.36 ug/L	100
58) Styrene	16.96	104	869303	24.32 ug/L	100
59) o-Xylene	17.06	106	544686	26.29 ug/L	99
62) Bromoform	16.68	173	185080	23.33 ug/L	99
63) 1,1,2,2-Tetrachloroethane	17.05	83	208011	24.20 ug/L	100
64) 1,2,3-Trichloropropane	17.25	110	61821	24.78 ug/L	98
65) Isopropylbenzene	17.56	105	1539228	26.94 ug/L	99
66) Bromobenzene	17.92	156	373575	23.64 ug/L	99
67) n-Propylbenzene	18.18	91	1907665	25.77 ug/L	99
68) 2-Chlorotoluene	18.31	91	1109004	23.73 ug/L	98
69) 4-Chlorotoluene	18.42	91	1158206	24.39 ug/L	99
70) 1,3,5-Trimethylbenzene	18.57	105	1273338	24.85 ug/L	100
71) tert-Butylbenzene	18.96	119	1021172	24.50 ug/L	98
72) 1,2,4-Trimethylbenzene	19.10	105	1270604	24.75 ug/L	98
73) sec-Butylbenzene	19.25	105	1571319	23.93 ug/L	99
74) 1,3-Dichlorobenzene	19.36	146	645788	22.81 ug/L	99
75) 1,4-Dichlorobenzene	19.44	146	657427	23.22 ug/L	99
76) p-Isopropyltoluene	19.47	119	1275527	24.07 ug/L	99
77) 1,2-Dichlorobenzene	19.88	146	573379	23.15 ug/L	99
78) n-Butylbenzene	19.98	91	1311007	24.64 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.45	75	36490	23.44 ug/L	95
80) 1,2,4-Trichlorobenzene	22.15	180	510755	25.42 ug/L	99
81) Naphthalene	22.50	128	607613	25.95 ug/L	99
82) Hexachlorobutadiene	22.55	225	265756	25.06 ug/L	100
83) 1,2,3-Trichlorobenzene	22.77	180	399883	24.82 ug/L	99

(#) = qualifier out of range (m) = manual integration
03151108.D 031411.M Tue Mar 15 19:35:35 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151108.D Vial: 5
Acq On : 15 Mar 2011 10:20 am Operator: NL
Sample : 11C0567-MS1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:12 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



03151108.D 031411.M Tue Mar 15 19:35:36 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151109.D Vial: 2
Acq On : 15 Mar 2011 10:53 am Operator: NL
Sample : 11C0567-MSD1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:12 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	99559	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	678369	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	884484	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	807362	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	444163	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	331728	21.33 ug/L	0.00
Spiked Amount 25.000			Recovery =	85.32%	
46) Toluene-d8	13.99	98	935945	23.99 ug/L	0.00
Spiked Amount 25.000			Recovery =	95.96%	
60) 4-Bromofluorobenzene	17.62	95	461149	25.89 ug/L	0.00
Spiked Amount 25.000			Recovery =	103.56%	

Target Compounds					Qvalue
2) Ethanol	5.76	45	1071	26.99 ug/L	77
3) tert-Butanol (TBA)	7.41	59	27433	50.93 ug/L #	85
5) Dichlorodifluoromethane	4.48	85	671366	27.01 ug/L	100
6) Chloromethane	4.78	50	343494	24.36 ug/L	99
7) Vinyl chloride	5.07	62	382563	25.37 ug/L	100
8) Bromomethane	5.66	94	254946	21.00 ug/L	95
9) Chloroethane	5.87	64	291230	22.66 ug/L	98
10) Trichlorofluoromethane	6.68	101	854577	27.61 ug/L	98
11) Acetone	6.83	43	54177	16.12 ug/L	98
12) Iodomethane	7.47	142	375247	25.16 ug/L #	91
13) 1,1-Dichloroethene	7.41	96	367308	23.11 ug/L	100
14) Methylene chloride	7.60	84	380863	20.34 ug/L	99
15) Freon 113	7.67	101	468555	23.53 ug/L	99
16) Carbon disulfide	7.93	76	1073688	24.30 ug/L	99
17) trans-1,2-Dichloroethene	8.49	96	387014	21.49 ug/L	96
18) MTBE	8.61	73	640308	19.80 ug/L	100
19) 1,1-Dichloroethane	8.81	63	738665	22.01 ug/L	100
20) Vinyl acetate	8.95	43	483003	31.11 ug/L	100
21) n-Hexane	9.32	86	74924	22.61 ug/L	99
22) 2-Butanone (MEK)	9.35	72	17583	19.64 ug/L #	90
23) Diisopropylether (DIPE)	9.36	45	1264508	20.63 ug/L	97
24) cis-1,2-dichloroethene	9.54	96	394069	20.41 ug/L	99
25) Bromochloromethane	9.75	128	131470	19.69 ug/L	98
26) Chloroform	9.81	83	765098	21.27 ug/L	97
27) 2,2-Dichloropropane	9.92	77	647349	22.38 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	937641	20.15 ug/L	99
30) 1,2-Dichloroethane	10.66	62	471956	20.99 ug/L	99
31) 1,1,1-Trichloroethane	10.79	97	713528	22.66 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	638435	19.65 ug/L	99
34) 1,1-Dichloropropene	11.03	75	554780	25.24 ug/L	98
35) Carbon tetrachloride	11.27	117	590418	25.38 ug/L	98
36) Benzene	11.31	78	1264697	22.83 ug/L	98
37) Dibromomethane	12.05	93	185550	22.76 ug/L	100
38) 1,2-Dichloropropane	12.09	63	322718	23.12 ug/L	99
39) Trichloroethene	12.14	95	412538	24.01 ug/L	99
40) Bromodichloromethane	12.20	83	494490	22.78 ug/L	100

(#) = qualifier out of range (m) = manual integration
03151109.D 031411.M Tue Mar 15 19:35:41 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151109.D Vial: 2
Acq On : 15 Mar 2011 10:53 am Operator: NL
Sample : 11C0567-MSD1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:12 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

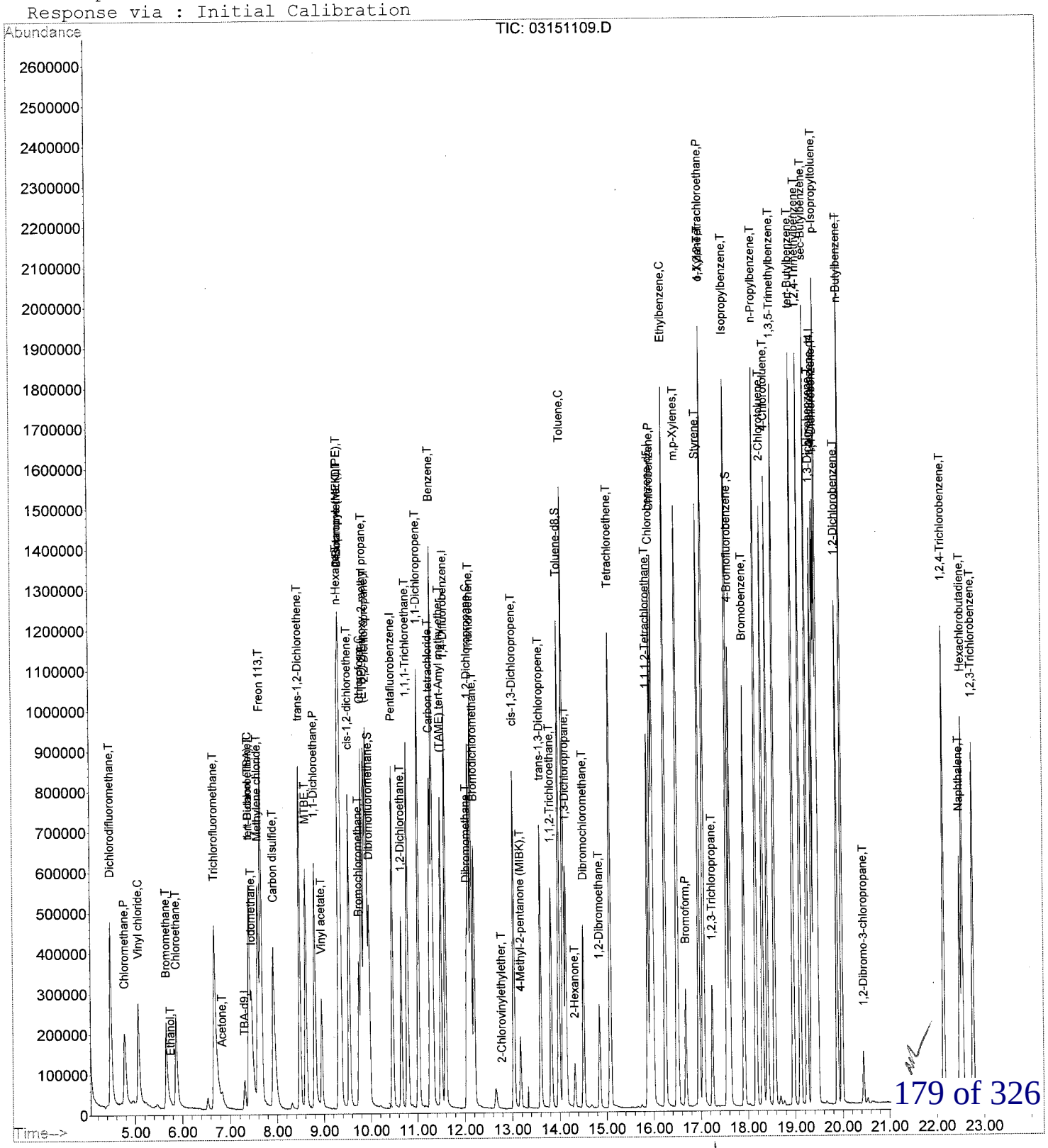
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41) 2-Chlorovinylethylether	12.77	63	545	0.12 ug/L #	67
42) cis-1,3-Dichloropropene	13.04	75	493530	23.24 ug/L	98
43) 4-Methyl-2-pentanone (MIBK	13.18	43	160782	23.32 ug/L	100
44) trans-1,3-Dichloropropene	13.60	75	418034	23.93 ug/L	98
45) 1,1,2-Trichloroethane	13.82	97	205093	22.15 ug/L	98
47) Toluene	14.08	92	760585	22.59 ug/L	97
49) 1,3-Dichloropropane	14.14	76	348538	22.08 ug/L	98
50) 2-Hexanone	14.33	43	103218	20.82 ug/L	94
51) Dibromochloromethane	14.52	129	282912	22.64 ug/L	100
52) 1,2-Dibromoethane	14.85	107	208063	21.85 ug/L	99
53) Tetrachloroethene	15.08	164	343514	24.39 ug/L	99
54) 1,1,1,2-Tetrachloroethane	15.88	131	316888	21.97 ug/L	99
55) Chlorobenzene	15.99	112	828709	22.35 ug/L	99
56) Ethylbenzene	16.25	91	1586232	23.91 ug/L	100
57) m,p-Xylenes	16.50	106	597393	25.56 ug/L	100
58) Styrene	16.96	104	825588	23.25 ug/L	99
59) o-Xylene	17.06	106	513631	24.92 ug/L	99
62) Bromoform	16.68	173	170627	21.54 ug/L	99
63) 1,1,2,2-Tetrachloroethane	17.05	83	190176	22.16 ug/L	100
64) 1,2,3-Trichloropropane	17.25	110	55380	22.24 ug/L	99
65) Isopropylbenzene	17.56	105	1530174	26.82 ug/L	99
66) Bromobenzene	17.92	156	361461	22.91 ug/L	99
67) n-Propylbenzene	18.17	91	1823402	24.67 ug/L	100
68) 2-Chlorotoluene	18.32	91	1073528	23.01 ug/L	99
69) 4-Chlorotoluene	18.42	91	1139456	24.03 ug/L	99
70) 1,3,5-Trimethylbenzene	18.57	105	1244467	24.33 ug/L	100
71) tert-Butylbenzene	18.96	119	985647	23.68 ug/L	98
72) 1,2,4-Trimethylbenzene	19.10	105	1245494	24.30 ug/L	99
73) sec-Butylbenzene	19.25	105	1603966	24.46 ug/L	99
74) 1,3-Dichlorobenzene	19.36	146	635545	22.48 ug/L	99
75) 1,4-Dichlorobenzene	19.44	146	627058	22.18 ug/L	99
76) p-Isopropyltoluene	19.47	119	1292683	24.44 ug/L	100
77) 1,2-Dichlorobenzene	19.89	146	554772	22.44 ug/L	99
78) n-Butylbenzene	19.98	91	1355858	25.52 ug/L	99
79) 1,2-Dibromo-3-chloropropan	20.44	75	33845	21.78 ug/L	94
80) 1,2,4-Trichlorobenzene	22.16	180	498645	24.85 ug/L	99
81) Naphthalene	22.49	128	568990	24.34 ug/L	99
82) Hexachlorobutadiene	22.55	225	270435	25.54 ug/L	99
83) 1,2,3-Trichlorobenzene	22.76	180	388095	24.13 ug/L	98

(#) = qualifier out of range (m) = manual integration
03151109.D 031411.M Tue Mar 15 19:35:41 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151109.D Vial: 2
Acq On : 15 Mar 2011 10:53 am Operator: NL
Sample : 11C0567-MSD1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:12 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151110.D Vial: 3
Acq On : 15 Mar 2011 11:25 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:35 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

clean out

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	106968	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	687275	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	903361	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	811544	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	470216	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	342314	21.72 ug/L	0.00
Spiked Amount 25.000			Recovery =	86.88%	
46) Toluene-d8	13.99	98	946280	23.75 ug/L	0.00
Spiked Amount 25.000			Recovery =	95.00%	
60) 4-Bromofluorobenzene	17.62	95	486819	27.19 ug/L	0.00
Spiked Amount 25.000			Recovery =	108.76%	

Target Compounds					Qvalue
2) Ethanol	5.92	45	1001	23.48 ug/L	91
3) tert-Butanol (TBA)	7.41	59	434	Below Cal #	70
6) Chloromethane	4.78	50	3752	0.26 ug/L	92
8) Bromomethane	5.67	94	1611	0.96 ug/L #	67
11) Acetone	6.86	43	3546	1.04 ug/L #	80
12) Iodomethane	7.47	142	1296	1.87 ug/L #	96
14) Methylene chloride	7.59	84	2863	0.15 ug/L	99
16) Carbon disulfide	7.92	76	16788	0.37 ug/L #	70
20) Vinyl acetate	8.96	43	1999	0.13 ug/L #	92
24) cis-1,2-dichloroethene	9.54	96	1998	0.10 ug/L #	61
25) Bromochloromethane	9.75	128	647	0.10 ug/L #	74
37) Dibromomethane	12.04	93	1235	0.15 ug/L	94
43) 4-Methyl-2-pentanone (MIBK	13.17	43	3693	0.52 ug/L #	86
44) trans-1,3-Dichloropropene	13.61	75	2314	0.13 ug/L #	45
50) 2-Hexanone	14.34	43	4212	0.85 ug/L #	87
54) 1,1,1,2-Tetrachloroethane	15.88	131	1576	0.11 ug/L #	23
55) Chlorobenzene	16.00	112	3803	0.10 ug/L #	19
56) Ethylbenzene	16.24	91	6649	0.10 ug/L	91
58) Styrene	16.96	104	5372	0.15 ug/L #	86
59) o-Xylene	17.07	106	2513	Below Cal #	81
62) Bromoform	16.68	173	979	0.12 ug/L #	58
63) 1,1,2,2-Tetrachloroethane	17.05	83	1919	0.21 ug/L #	71
64) 1,2,3-Trichloropropane	17.25	110	677	0.26 ug/L #	87
65) Isopropylbenzene	17.56	105	7102	0.12 ug/L	100
66) Bromobenzene	17.92	156	3087	0.18 ug/L #	80
67) n-Propylbenzene	18.18	91	11086	0.14 ug/L	99
68) 2-Chlorotoluene	18.31	91	7321	0.15 ug/L #	89
69) 4-Chlorotoluene	18.42	91	7450	0.15 ug/L	97
70) 1,3,5-Trimethylbenzene	18.57	105	6783	0.13 ug/L	92
71) tert-Butylbenzene	18.96	119	5384	0.12 ug/L	92
72) 1,2,4-Trimethylbenzene	19.10	105	9602	0.18 ug/L	89
73) sec-Butylbenzene	19.25	105	9621	0.14 ug/L	99
74) 1,3-Dichlorobenzene	19.36	146	8779	0.29 ug/L	92
75) 1,4-Dichlorobenzene	19.44	146	8984	0.30 ug/L #	63
76) p-Isopropyltoluene	19.48	119	8777	0.16 ug/L #	91
77) 1,2-Dichlorobenzene	19.89	146	7613	0.29 ug/L #	93

(#) = qualifier out of range (m) = manual integration
03151110.D 031411.M Tue Mar 15 19:35:51 2011

M 3/16/11

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151110.D Vial: 3
Acq On : 15 Mar 2011 11:25 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:35 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

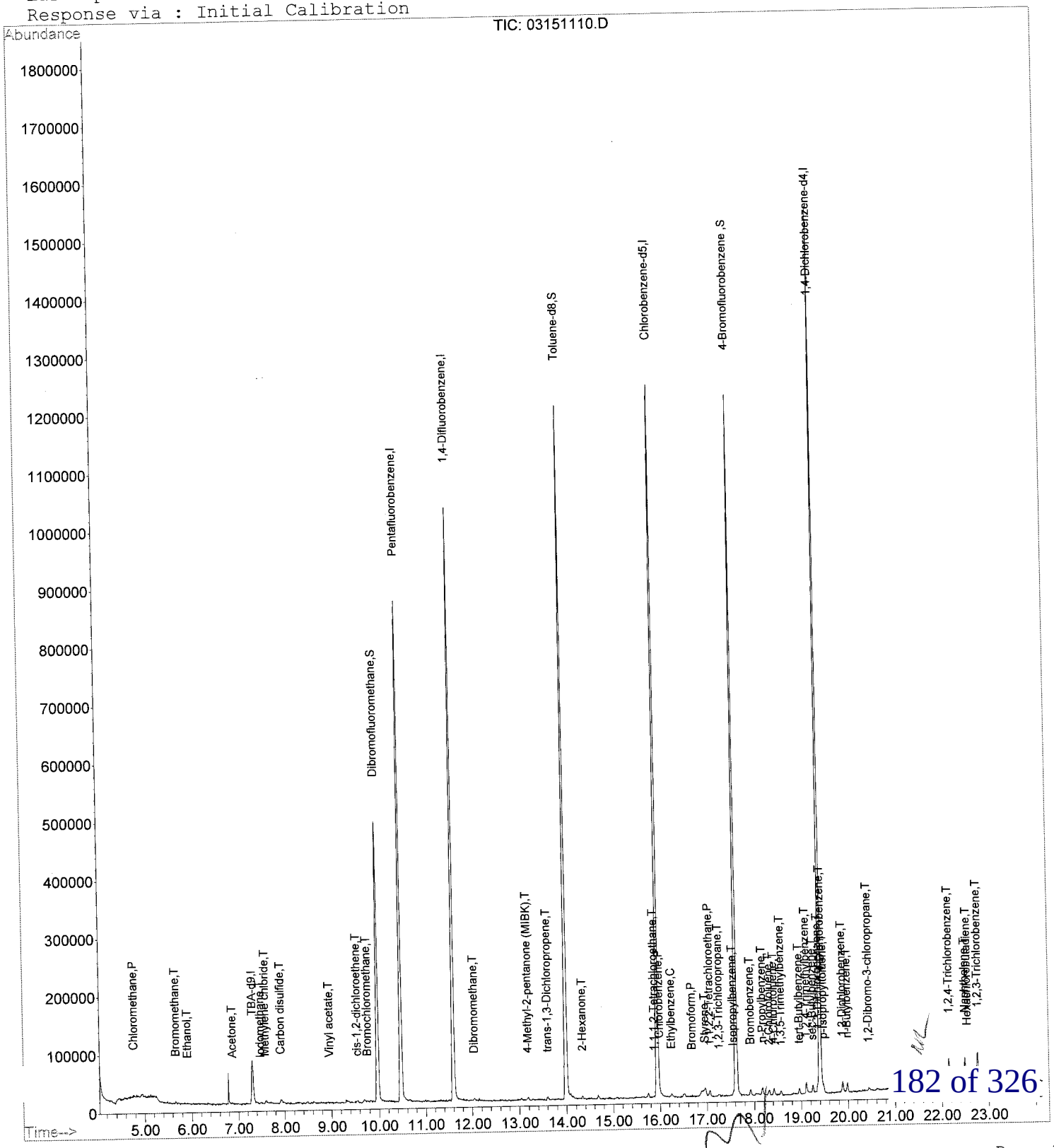
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
78) n-Butylbenzene	19.98	91	13619	0.24 ug/L	96
79) 1,2-Dibromo-3-chloropropan	20.44	75	1556	0.95 ug/L #	77
80) 1,2,4-Trichlorobenzene	22.15	180	17821	0.84 ug/L	99
81) Naphthalene	22.50	128	41920	1.69 ug/L	100
82) Hexachlorobutadiene	22.54	225	6246	0.56 ug/L	92
83) 1,2,3-Trichlorobenzene	22.76	180	23930	1.41 ug/L	98

(#) = qualifier out of range (m) = manual integration
03151110.D 031411.M Tue Mar 15 19:35:51 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151110.D Vial: 3
Acq On : 15 Mar 2011 11:25 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:35 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



03151110.D 031411.M Tue Mar 15 19:35:53 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151111.D Vial: 4
Acq On : 15 Mar 2011 11:58 am Operator: NL
Sample : 11C0567-BLK1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:12 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	111306	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	703394	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	891884	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	811953	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	482551	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	334180	20.72 ug/L	0.00
Spiked Amount 25.000			Recovery =	82.88%	
46) Toluene-d8	13.99	98	976384	24.82 ug/L	0.00
Spiked Amount 25.000			Recovery =	99.28%	
60) 4-Bromofluorobenzene	17.62	95	501319	27.99 ug/L	0.00
Spiked Amount 25.000			Recovery =	111.96%	

Target Compounds					Qvalue
2) Ethanol	5.78	45	423	9.53 ug/L	79 NT
3) tert-Butanol (TBA)	7.40	59	113	Below Cal #	81 1
8) Bromomethane	5.66	94	757	0.89 ug/L #	63 no sm
11) Acetone	6.86	43	1978	0.57 ug/L #	62 ND
12) Iodomethane	7.50	142	397	1.81 ug/L #	86 no sm
14) Methylene chloride	7.60	84	1775	0.09 ug/L	88 <RL
16) Carbon disulfide	7.92	76	11179	0.24 ug/L #	73
32) (TAME) tert-Amyl methy eth	11.60	73	13214	0.39 ug/L #	39
43) 4-Methyl-2-pentanone (MIBK	13.17	43	887	0.13 ug/L #	56
50) 2-Hexanone	14.35	43	768	0.15 ug/L #	67
54) 1,1,1,2-Tetrachloroethane	15.87	131	1370	0.09 ug/L #	10
59) o-Xylene	17.06	106	430	Below Cal #	85
74) 1,3-Dichlorobenzene	19.37	146	3014	0.10 ug/L #	72
75) 1,4-Dichlorobenzene	19.43	146	3279	0.11 ug/L #	1
79) 1,2-Dibromo-3-chloropropan	20.46	75	451	0.27 ug/L #	21
80) 1,2,4-Trichlorobenzene	22.15	180	3945	0.18 ug/L #	85
81) Naphthalene	22.50	128	7051	0.28 ug/L	95
83) 1,2,3-Trichlorobenzene	22.76	180	4028	0.23 ug/L	93

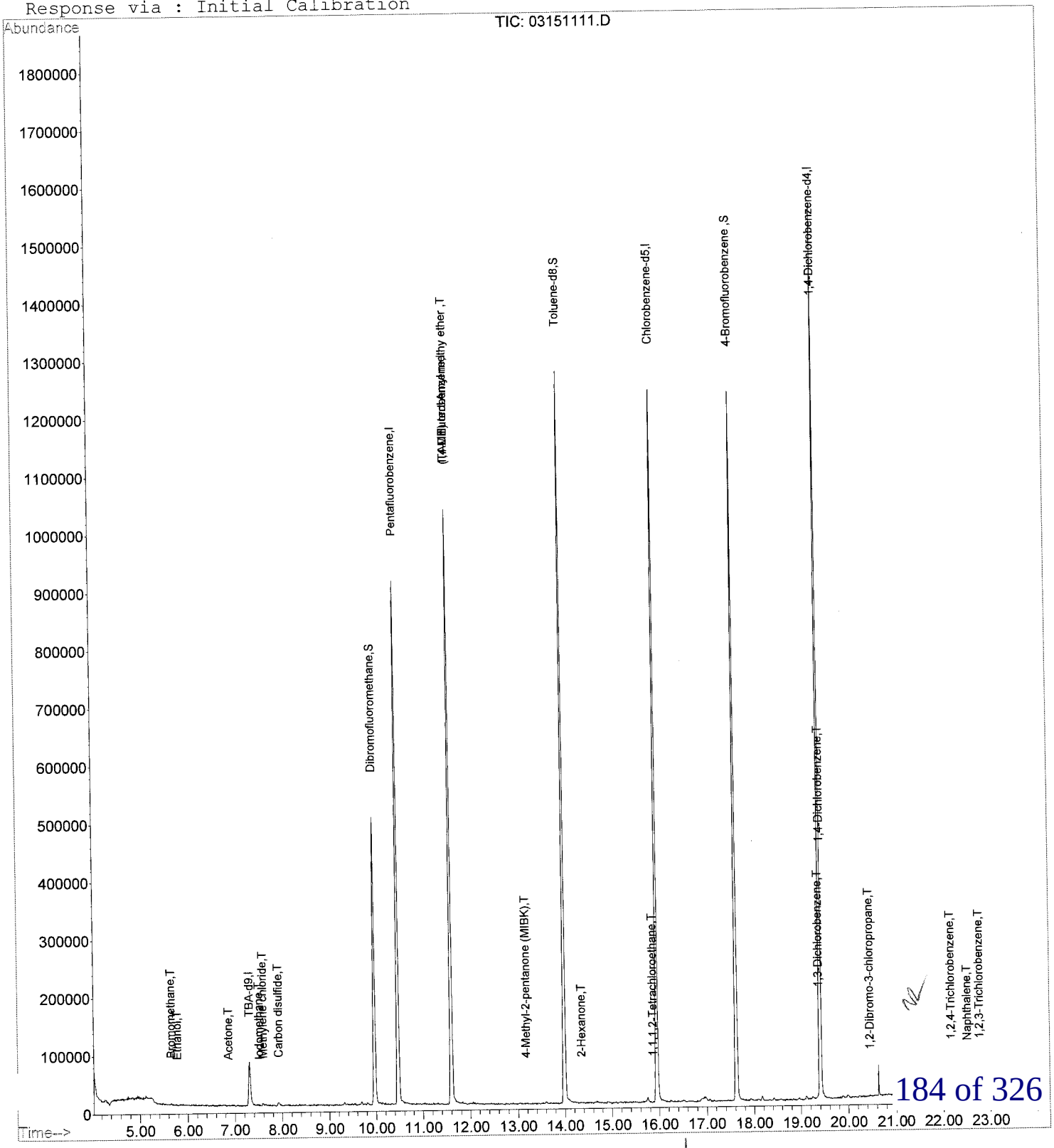
MS 3/16/11

(#) = qualifier out of range (m) = manual integration
03151111.D 031411.M Tue Mar 15 19:36:00 2011 M 4/11/11

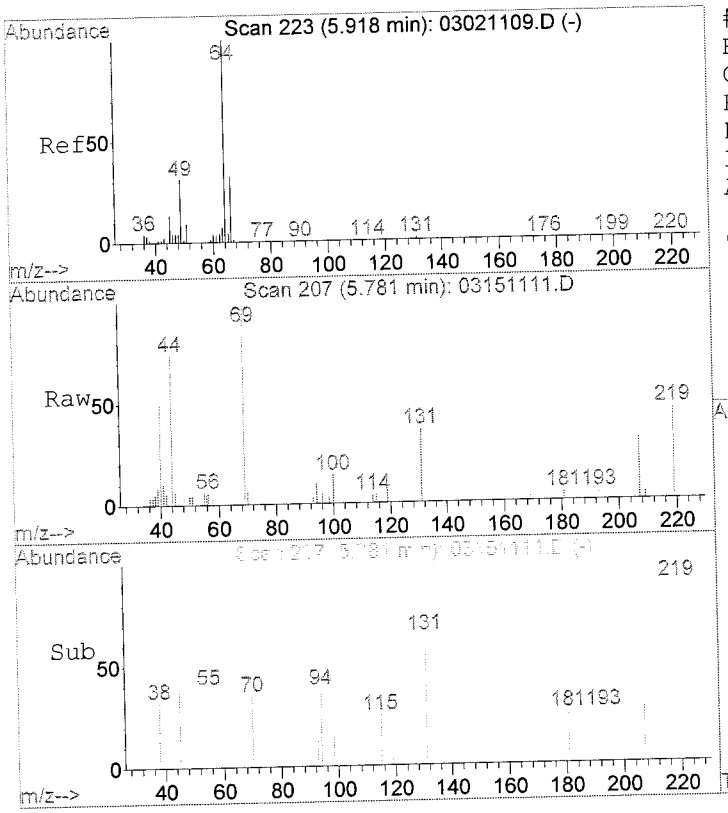
Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151111.D Vial: 4
Acq On : 15 Mar 2011 11:58 am Operator: NL
Sample : 11C0567-BLK1 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:12 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



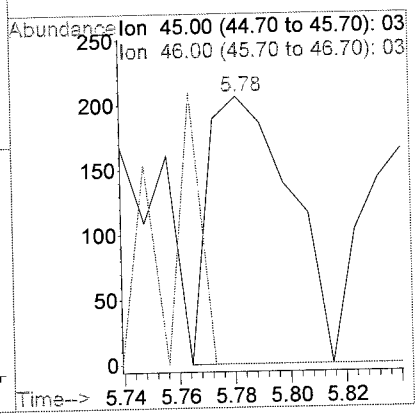
03151111.D 031411.M Tue Mar 15 19:36:00 2011

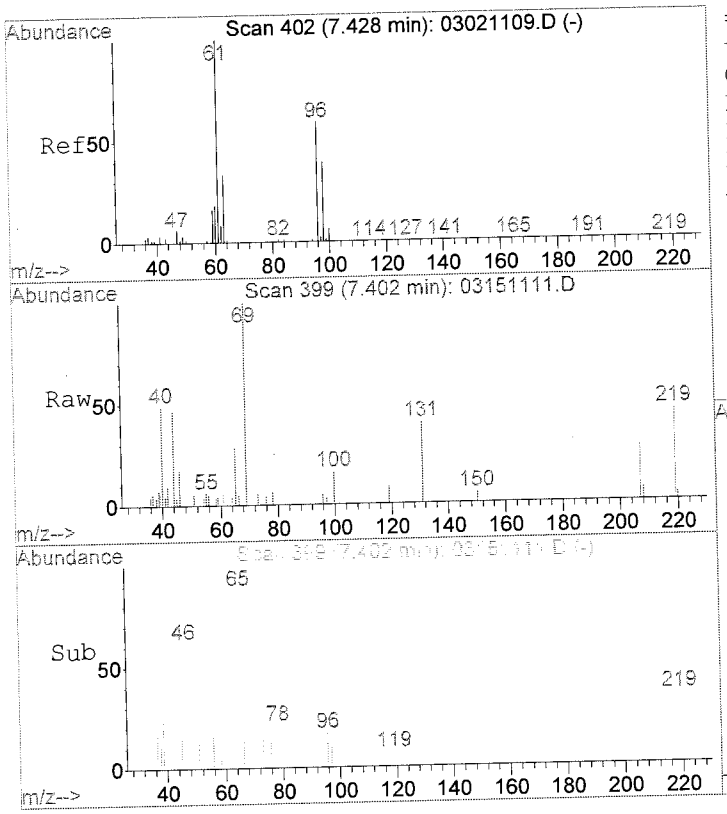


#2
Ethanol
Concen: 9.53 ug/L
RT: 5.78 min Scan# 207
Delta R.T. -0.12 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion: 45 Resp: 423

Ion	Ratio	Lower	Upper
45	100		
46	25.1	17.5	57.5

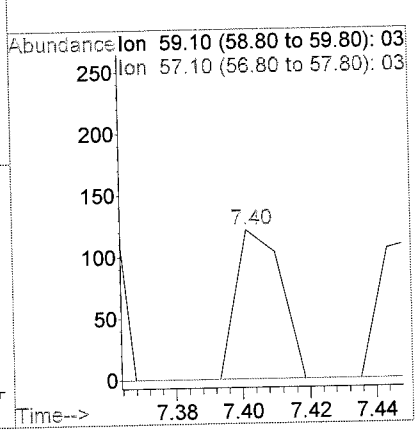


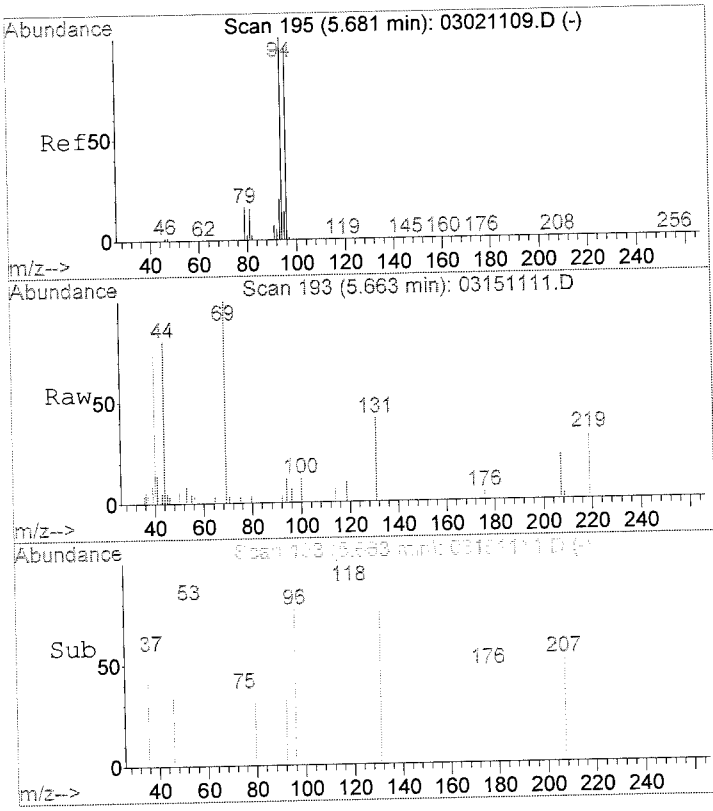


#3
tert-Butanol (TBA)
Concen: Below Cal
RT: 7.40 min Scan# 399
Delta R.T. -0.02 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion: 59 Resp: 113

Ion	Ratio	Lower	Upper
59	100		
57	0.0	5.0	7.6#

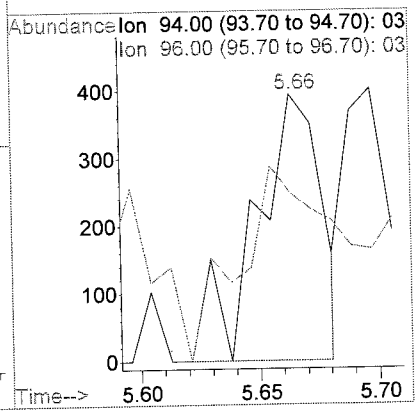


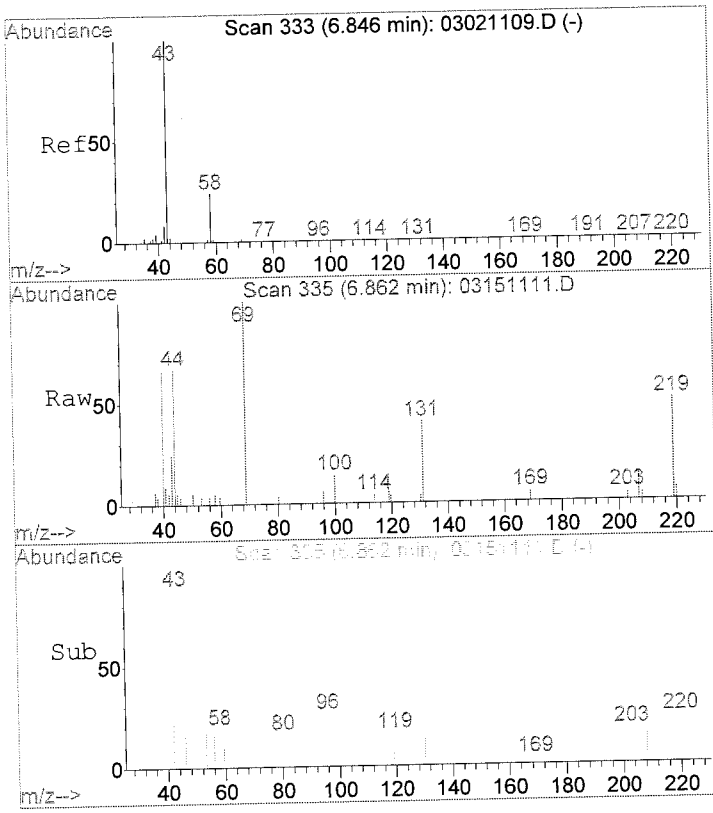


#8
Bromomethane
Concen: 0.89 ug/L
RT: 5.66 min Scan# 193
Delta R.T. 0.00 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion: 94 Resp: 757

Ion	Ratio	Lower	Upper
94	100		
96	135.9	79.5	119.3#

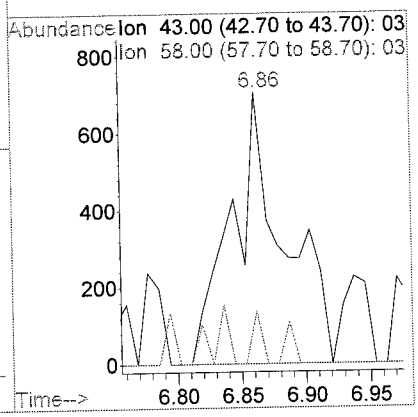


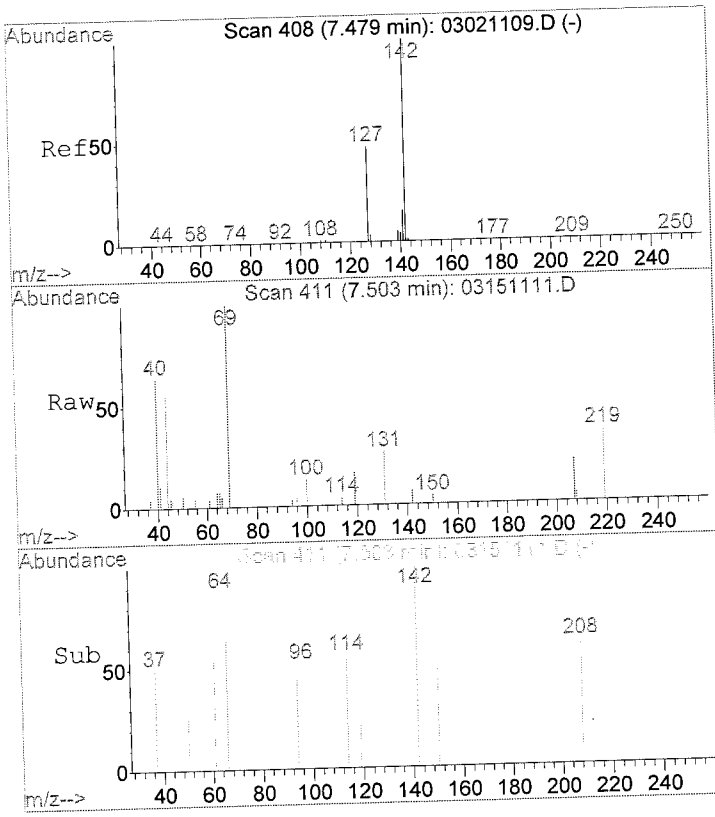


#11
Acetone
Concen: 0.57 ug/L
RT: 6.86 min Scan# 335
Delta R.T. 0.03 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion: 43 Resp: 1978

Ion	Ratio	Lower	Upper
43	100		
58	3.5	17.0	25.6#

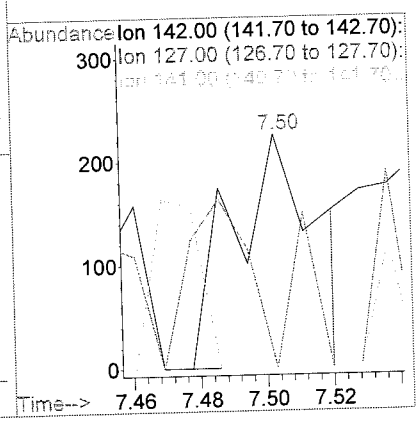


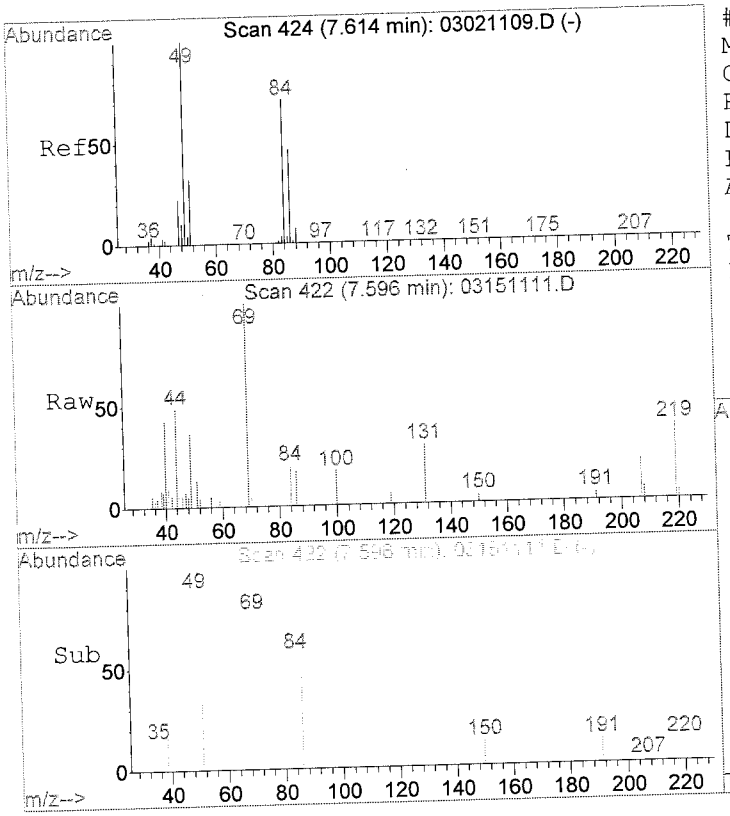


#12
Iodomethane
Concen: 1.81 ug/L
RT: 7.50 min Scan# 411
Delta R.T. 0.04 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion:142 Resp: 397

Ion	Ratio	Lower	Upper
142	100		
127	51.4	44.9	67.3
141	0.0	13.1	19.7#

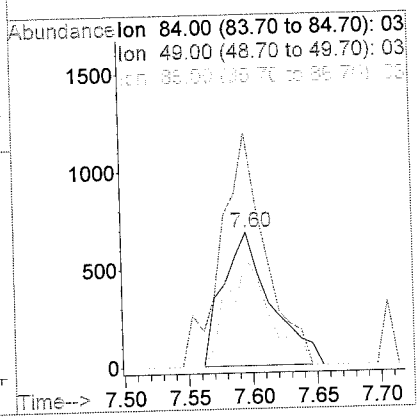


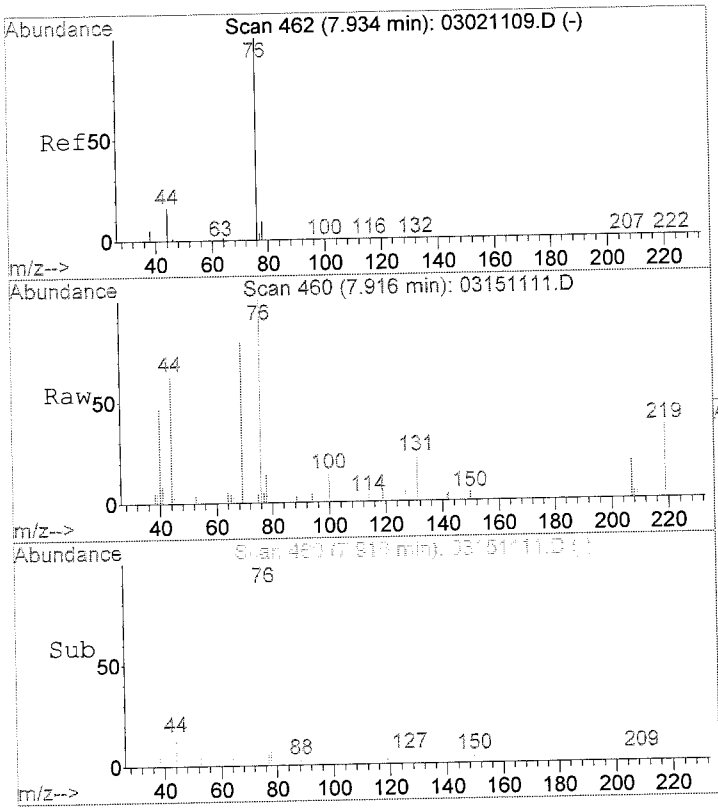


#14
Methylene chloride
Concen: 0.09 ug/L
RT: 7.60 min Scan# 422
Delta R.T. 0.00 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion: 84 Resp: 1775

Ion	Ratio	Lower	Upper
84	100		
49	161.5	116.7	175.1
86	72.1	50.2	75.2

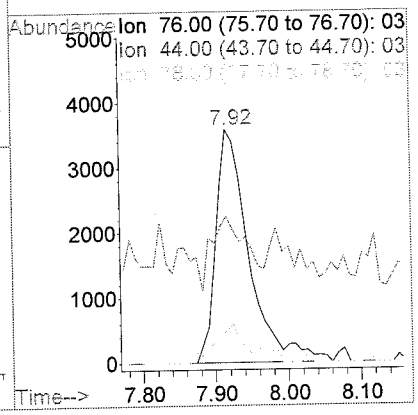


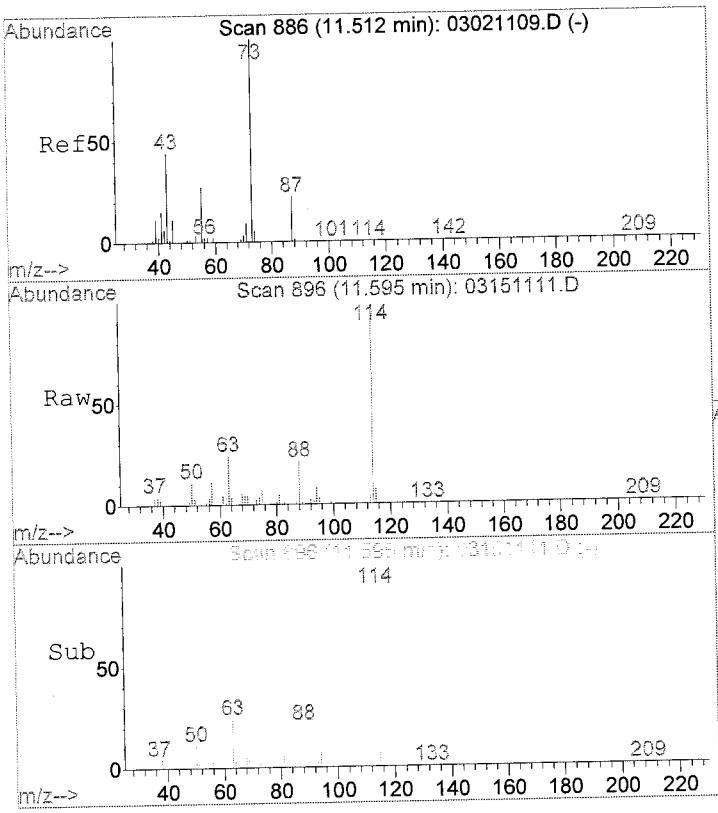


#16
Carbon disulfide
Concen: 0.24 ug/L
RT: 7.92 min Scan# 460
Delta R.T. -0.01 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion: 76 Resp: 11179

Ion	Ratio	Lower	Upper
76	100		
44	34.1	15.0	22.4#
78	13.6	7.2	10.8#

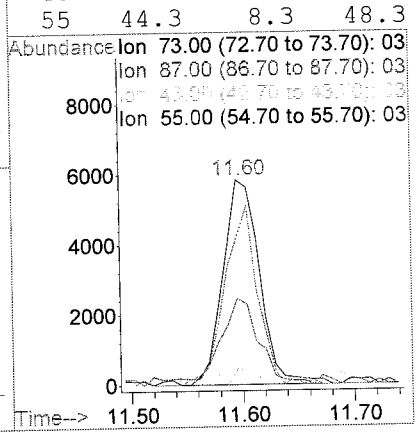


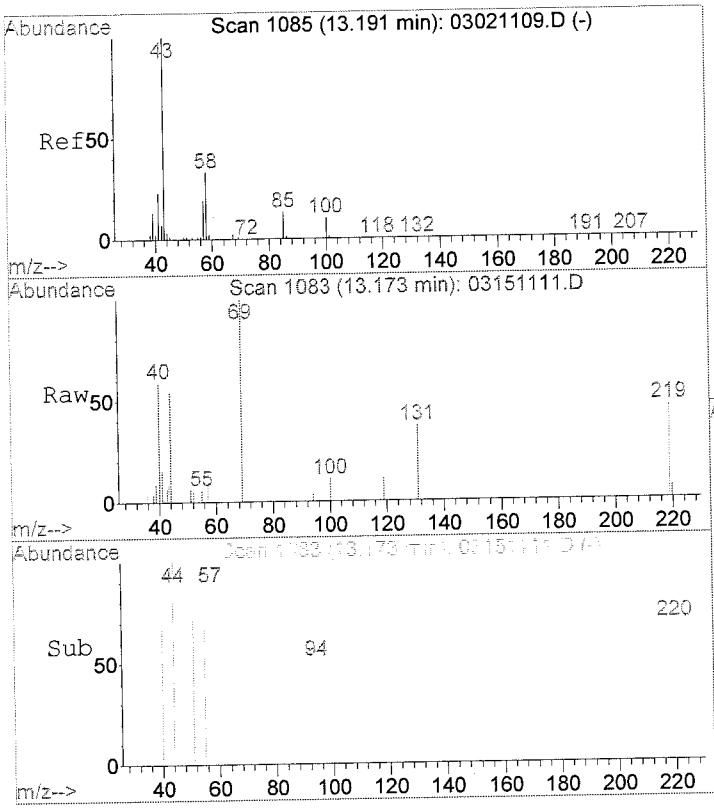


#32
(TAME) tert-Amyl methy ether
Concen: 0.39 ug/L
RT: 11.60 min Scan# 896
Delta R.T. 0.09 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion: 73 Resp: 13214

Ion	Ratio	Lower	Upper
73	100		
87	78.1	4.2	44.2#
43	9.8	26.6	66.6#
55	44.3	8.3	48.3

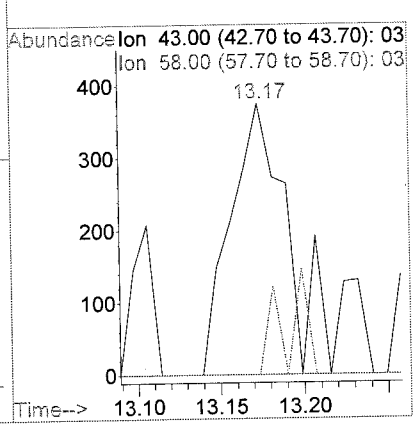


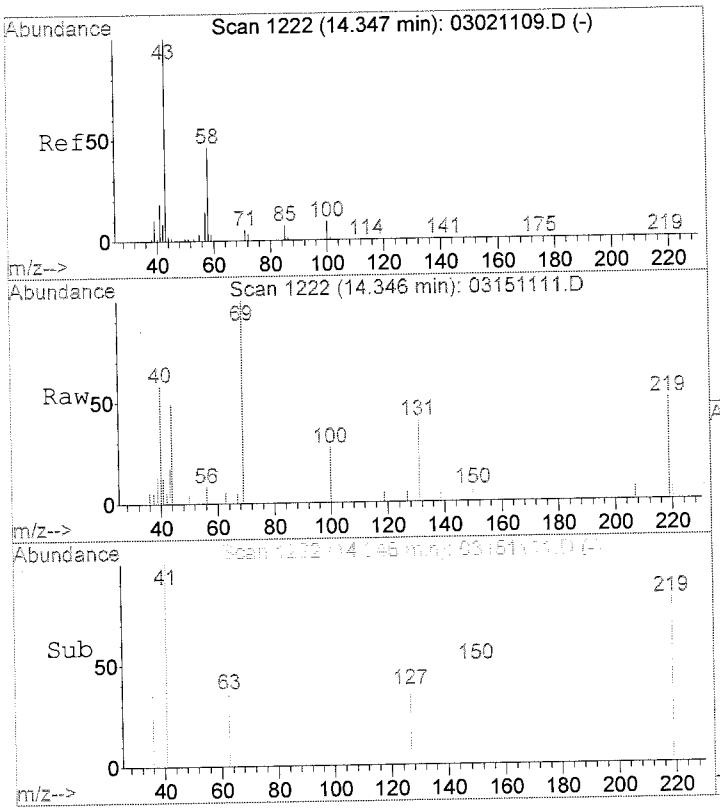


#43
4-Methyl-2-pentanone (MIBK)
Concen: 0.13 ug/L
RT: 13.17 min Scan# 1083
Delta R.T. 0.00 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion: 43 Resp: 887

Ion	Ratio	Lower	Upper
43	100		
58	7.0	24.9	37.3#

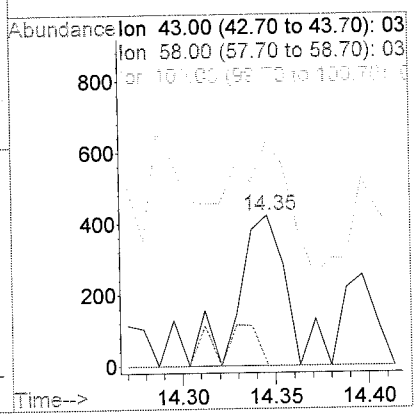


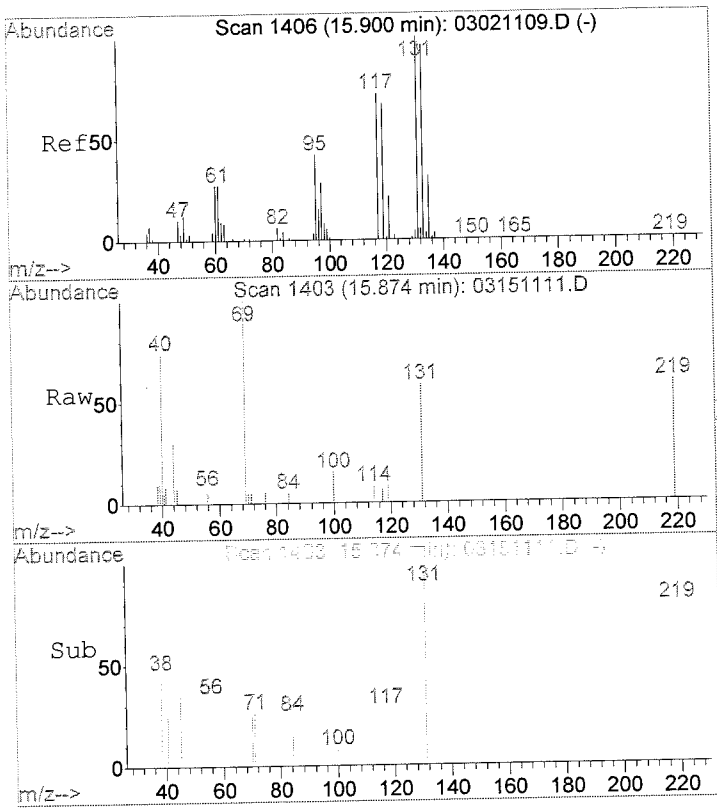


#50
2-Hexanone
Concen: 0.15 ug/L
RT: 14.35 min Scan# 1222
Delta R.T. 0.02 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion: 43 Resp: 768

Ion	Ratio	Lower	Upper
43	100		
58	22.4	35.7	53.5#
100	0.0	7.8	11.6#

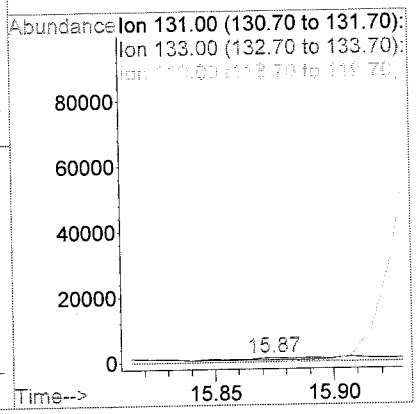


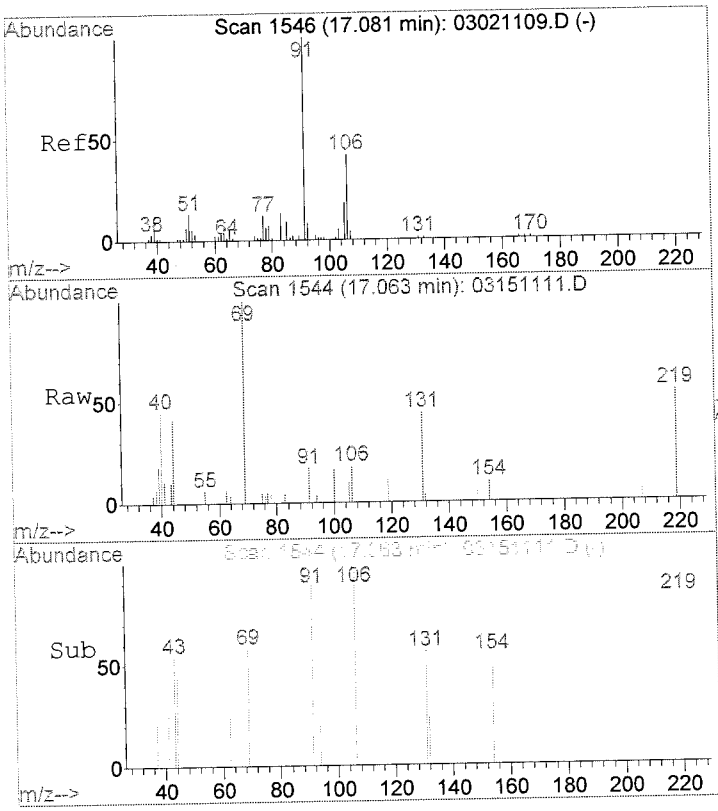


#54
1,1,1,2-Tetrachloroethane
Concen: 0.09 ug/L
RT: 15.87 min Scan# 1403
Delta R.T. -0.01 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion:131 Resp: 1370

Ion	Ratio	Lower	Upper
131	100		
133	3.8	77.7	116.5#
119	0.0	53.0	79.4#

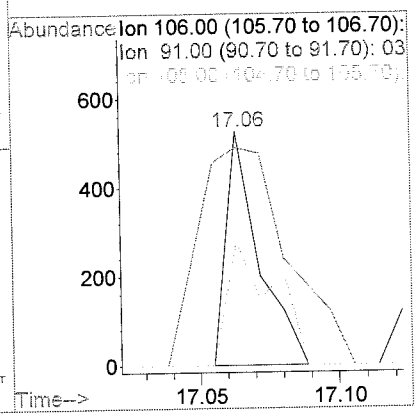


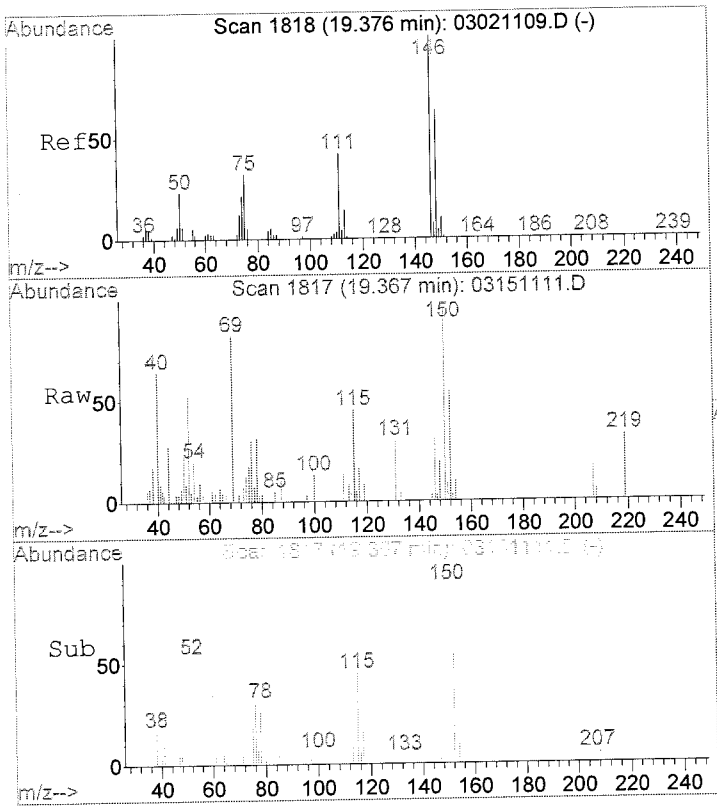


#59
o-Xylene
Concen: Below Cal
RT: 17.06 min Scan# 1544
Delta R.T. 0.00 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion:106 Resp: 430

Ion	Ratio	Lower	Upper
106	100		
91	257.2	222.7	262.7
105	74.7	22.9	62.9#

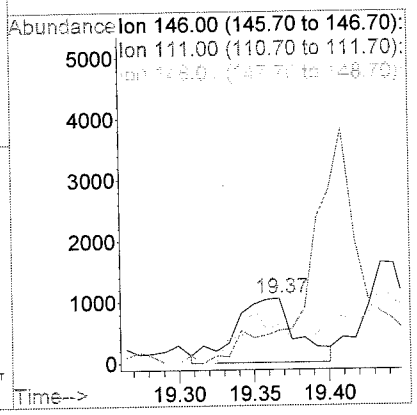


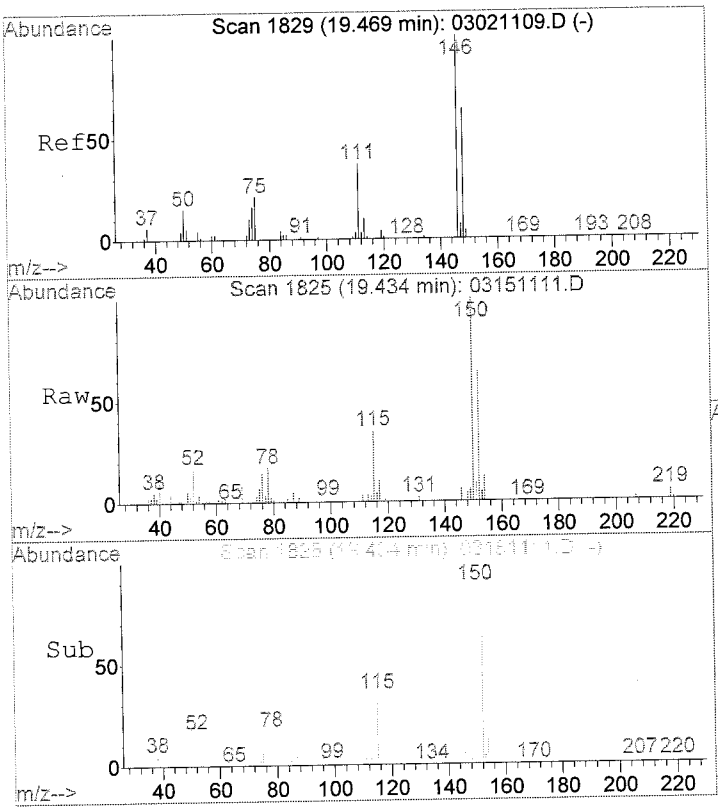


#74
1,3-Dichlorobenzene
Concen: 0.10 ug/L
RT: 19.37 min Scan# 1817
Delta R.T. 0.01 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion:146 Resp: 3014

Ion	Ratio	Lower	Upper
146	100		
111	0.0	34.3	51.5#
148	63.4	52.1	78.1

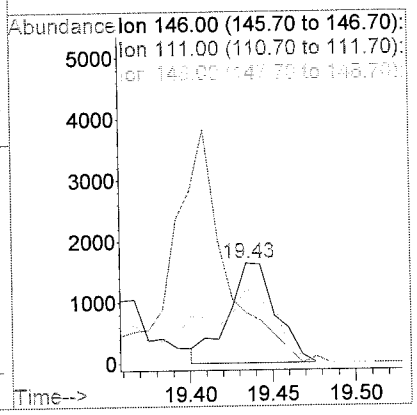


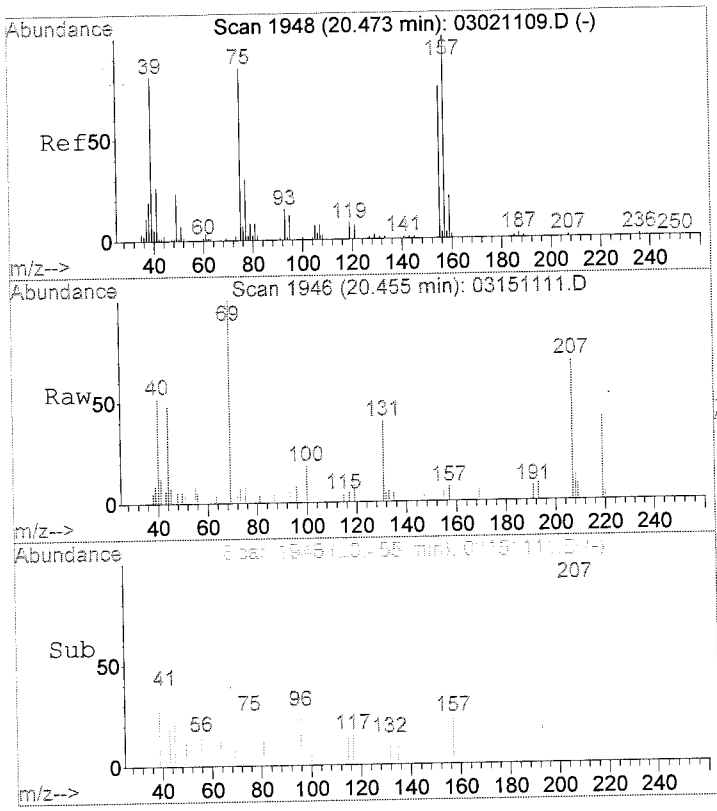


#75
1,4-Dichlorobenzene
Concen: 0.11 ug/L
RT: 19.43 min Scan# 1825
Delta R.T. -0.01 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion:146 Resp: 3279

Ion	Ratio	Lower	Upper
146	100		
111	277.5	33.9	50.9#
148	107.3	52.2	78.4#

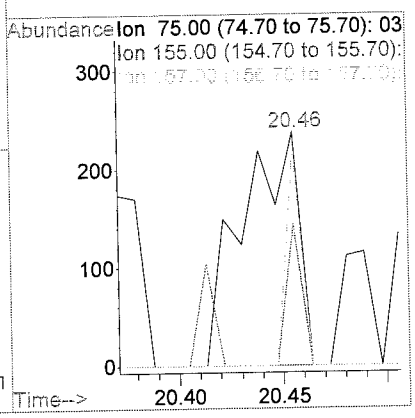


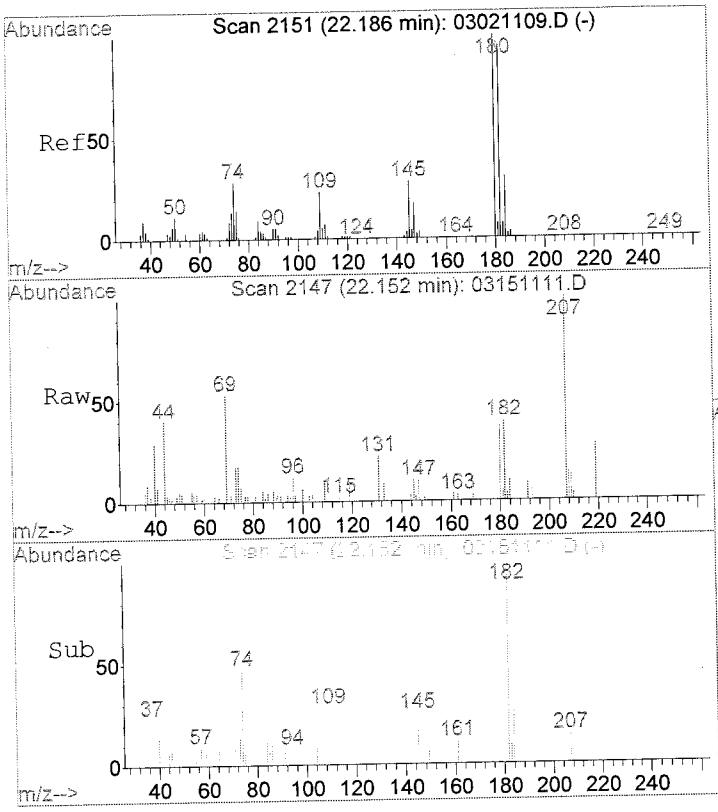


#79
1,2-Dibromo-3-chloropropane
Concen: 0.27 ug/L
RT: 20.46 min Scan# 1946
Delta R.T. 0.01 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion: 75 Resp: 451

Ion	Ratio	Lower	Upper
75	100		
155	16.0	67.3	100.9#
157	24.4	89.6	134.4#

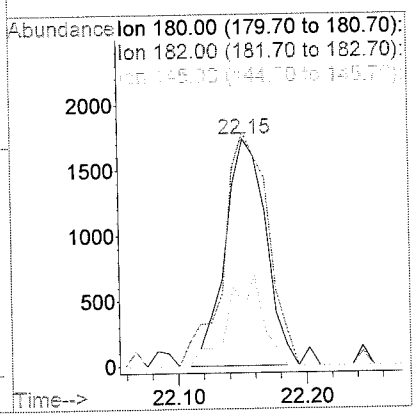


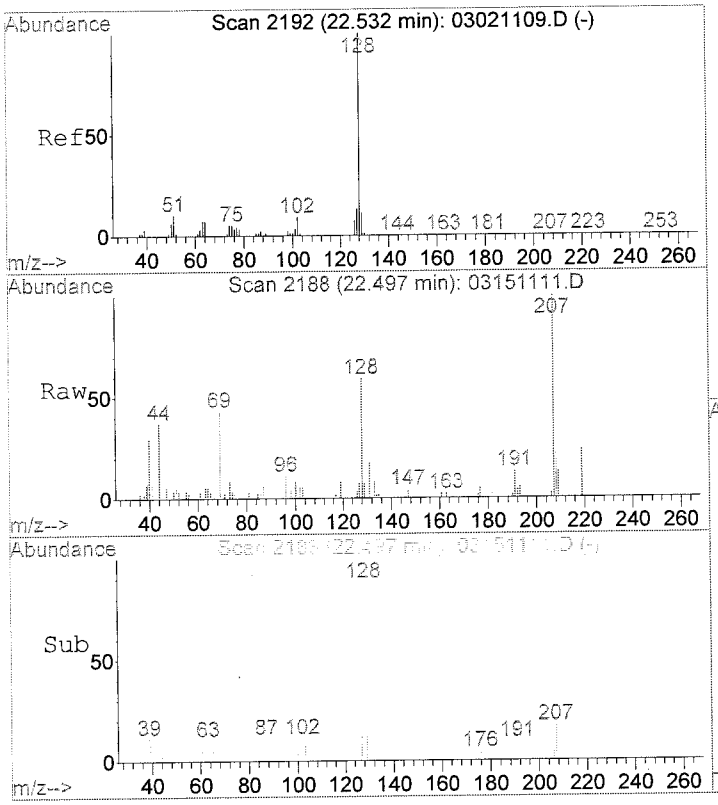


#80
1,2,4-Trichlorobenzene
Concen: 0.18 ug/L
RT: 22.15 min Scan# 2147
Delta R.T. 0.00 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion:180 Resp: 3945

Ion	Ratio	Lower	Upper
180	100		
182	110.2	76.7	115.1
145	33.2	20.7	31.1#

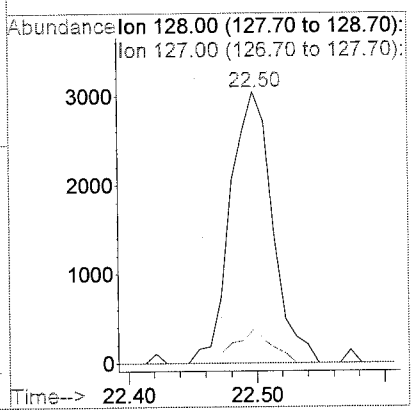


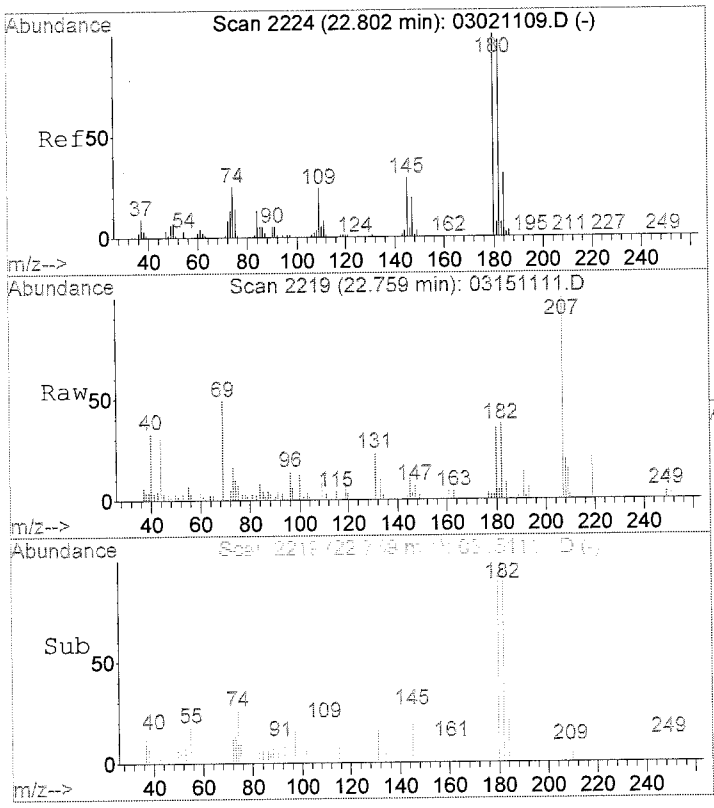


#81
Naphthalene
Concen: 0.28 ug/L
RT: 22.50 min Scan# 2188
Delta R.T. 0.00 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion:128 Resp: 7051

Ion	Ratio	Lower	Upper
128	100		
127	10.8	10.2	15.4

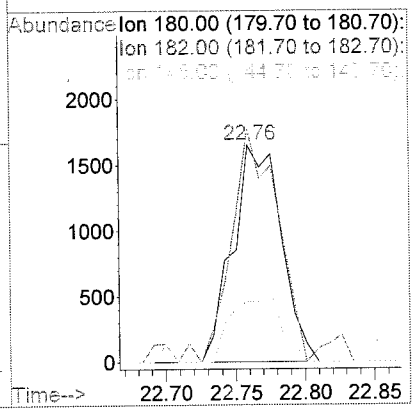




#83
1,2,3-Trichlorobenzene
Concen: 0.23 ug/L
RT: 22.76 min Scan# 2219
Delta R.T. -0.01 min
Lab File: 03151111.D
Acq: 15 Mar 2011 11:58 am

Tgt Ion:180 Resp: 4028

Ion	Ratio	Lower	Upper
180	100		
182	104.4	78.2	117.2
145	31.5	22.6	34.0



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151116.D Vial: 9
Acq On : 15 Mar 2011 2:40 pm Operator: NL
Sample : PUC0635-01 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:14 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.32	65	79776	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	619464	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	787105	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	713662	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	432390	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	311770	21.95 ug/L	0.00
Spiked Amount 25.000			Recovery	= 87.80%	
46) Toluene-d8	14.00	98	867390	24.99 ug/L	0.00
Spiked Amount 25.000			Recovery	= 99.96%	
60) 4-Bromofluorobenzene	17.63	95	441527	28.05 ug/L	0.00
Spiked Amount 25.000			Recovery	= 112.20%	
Target Compounds					Qvalue
2) Ethanol	5.92	45	752	23.65 ug/L	99 NJ
3) tert-Butanol (TBA)	7.43	59	301	Below Cal #	16 L
6) Chloromethane	4.78	50	1591	0.12 ug/L #	41 LRL
8) Bromomethane	5.57	94	308	0.85 ug/L #	1 NSM
11) Acetone	6.85	43	1647	0.54 ug/L	97 ND
16) Carbon disulfide	7.94	76	8757	0.22 ug/L # J	86 LRL
32) (TAME) tert-Amyl methy eth	11.61	73	11441	0.39 ug/L #	43 NJ
41) 2-Chlorovinylethylether	12.78	63	981	0.24 ug/L #	38 L
43) 4-Methyl-2-pentanone (MIBK	13.47	43	736	0.12 ug/L # ND	44 LRL
45) 1,1,2-Trichloroethane	14.01	97	12572	1.53 ug/L #	1 WRT
49) 1,3-Dichloropropane	13.99	76	12691	0.91 ug/L #	83 L
56) Ethylbenzene	16.25	91	29416	0.50 ug/L	99
57) m,p-Xylenes	16.51	106	36196	1.75 ug/L	99
59) o-Xylene	17.07	106	9089	0.26 ug/L J	96 LRL
79) 1,2-Dibromo-3-chloropropan	20.50	75	166	0.11 ug/L # ND	1 L
81) Naphthalene	22.50	128	2810	0.12 ug/L #	83 L

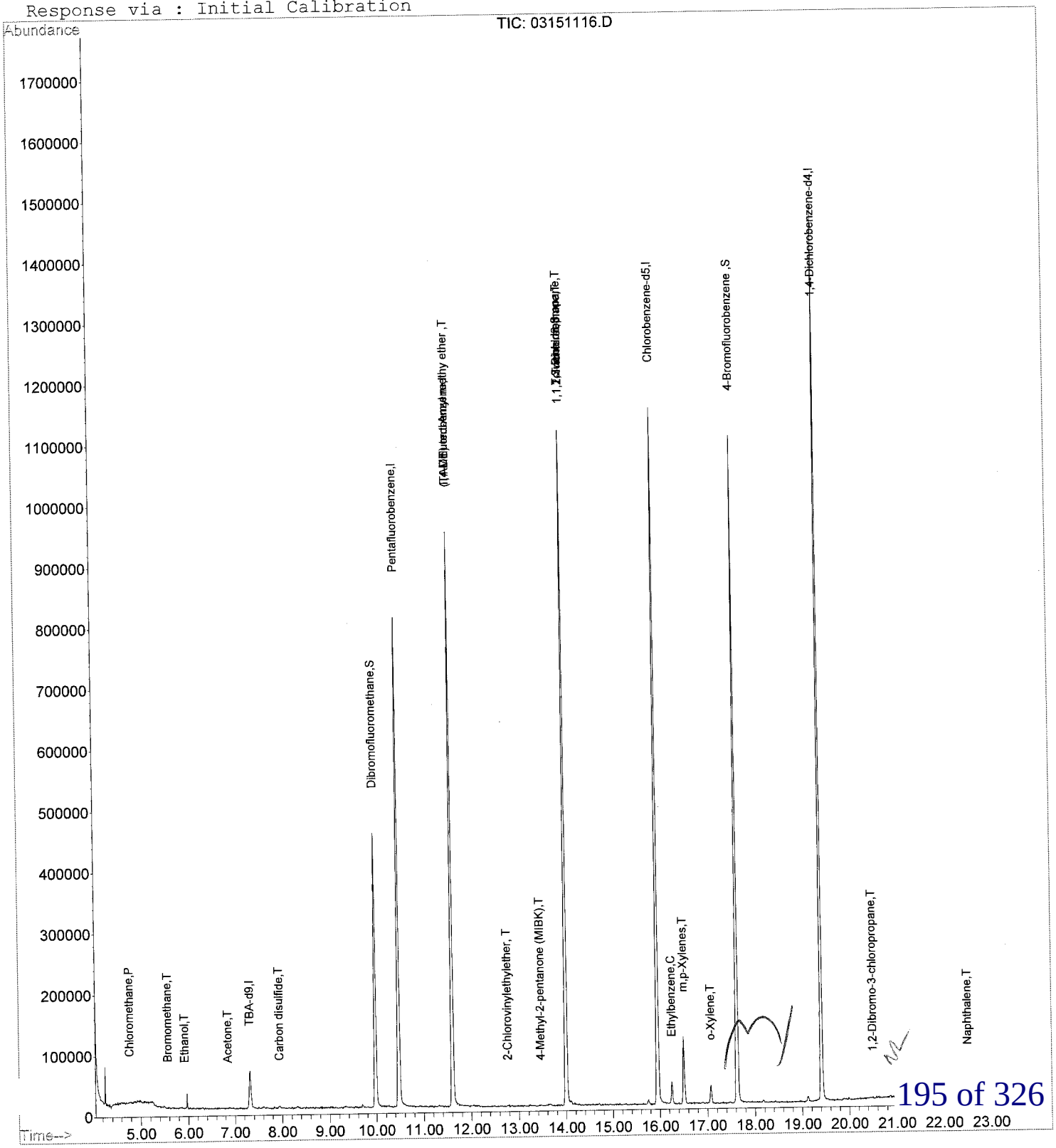
3/16/11 3/16/11

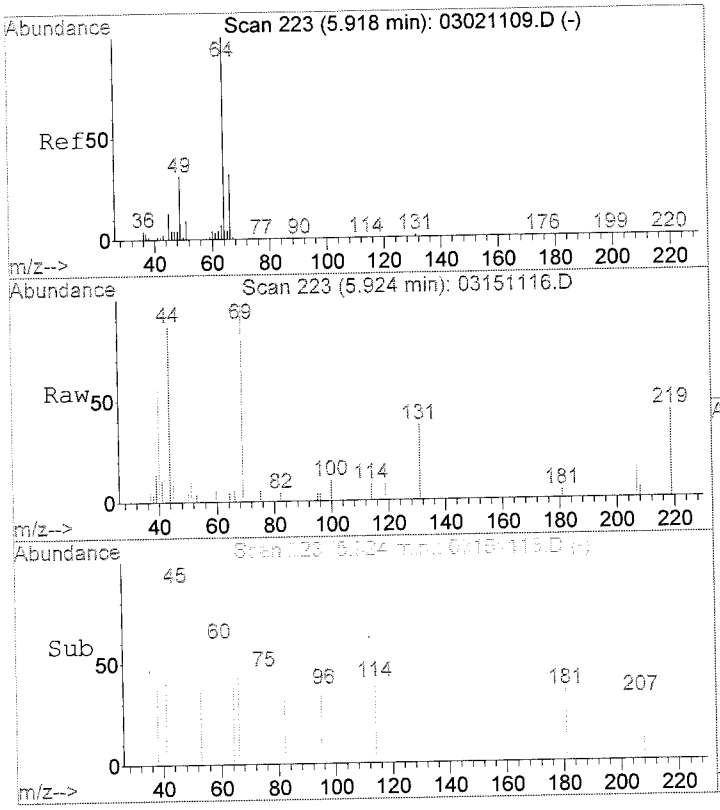
(#) = qualifier out of range (m) = manual integration
03151116.D 031411.M Tue Mar 15 19:36:56 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151116.D Vial: 9
Acq On : 15 Mar 2011 2:40 pm Operator: NL
Sample : PUC0635-01 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:14 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration

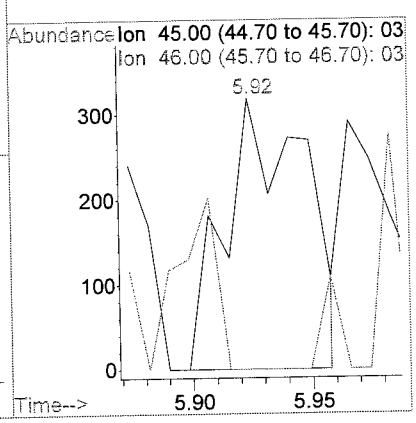


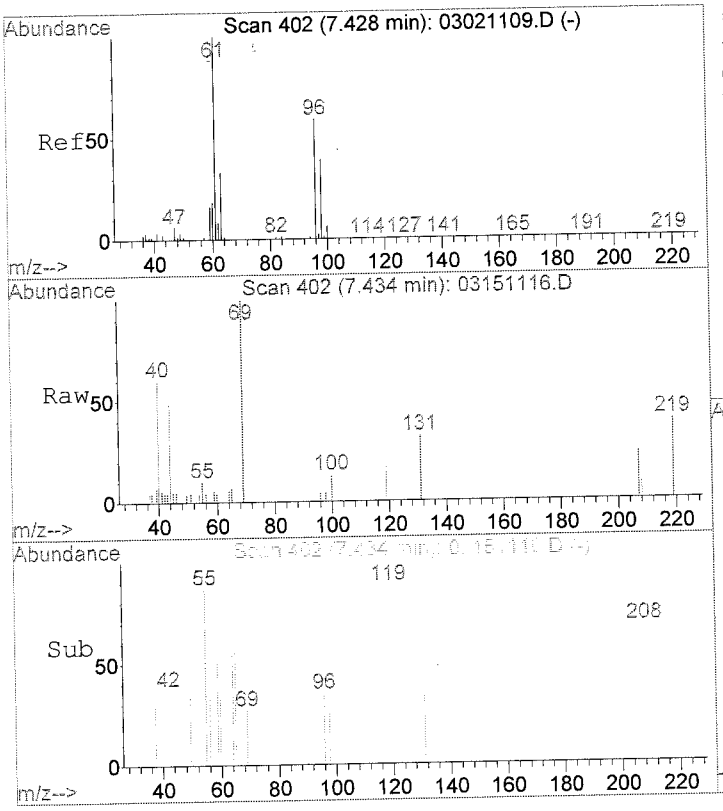


#2
Ethanol
Concen: 23.65 ug/L
RT: 5.92 min Scan# 223
Delta R.T. 0.02 min
Lab File: 03151116.D
Acq: 15 Mar 2011 2:40 pm

Tgt Ion: 45 Resp: 752

Ion	Ratio	Lower	Upper
45	100		
46	38.2	17.5	57.5

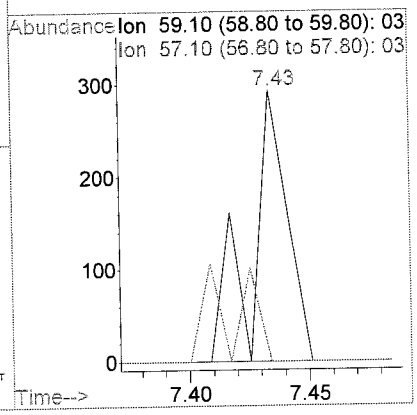


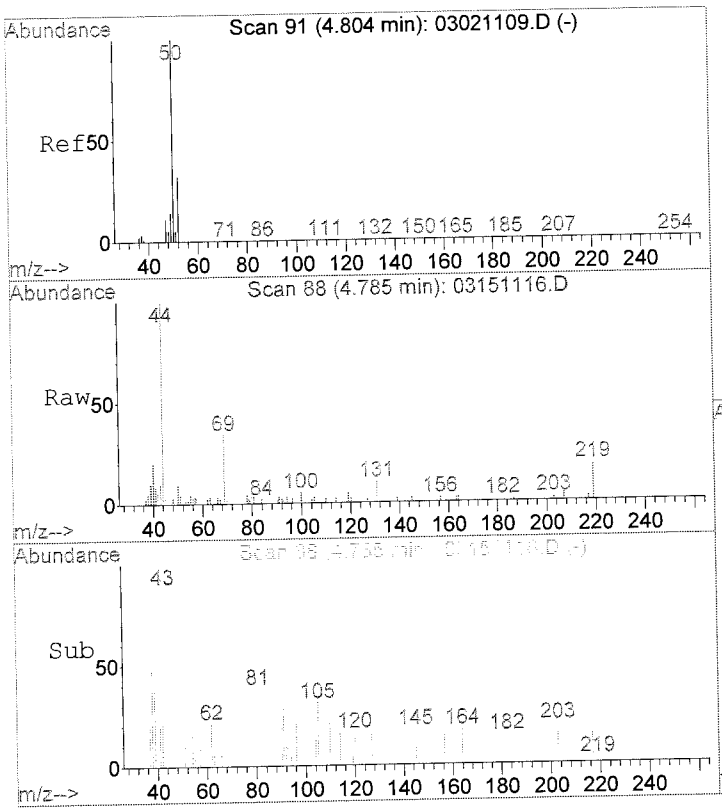


#3
tert-Butanol (TBA)
Concen: Below Cal
RT: 7.43 min Scan# 402
Delta R.T. 0.02 min
Lab File: 03151116.D
Acq: 15 Mar 2011 2:40 pm

Tgt Ion: 59 Resp: 301

Ion	Ratio	Lower	Upper
59	100		
57	34.9	5.0	7.6#

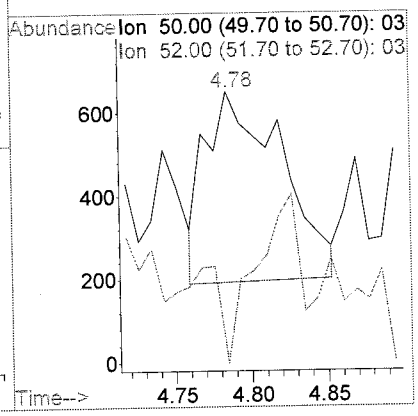


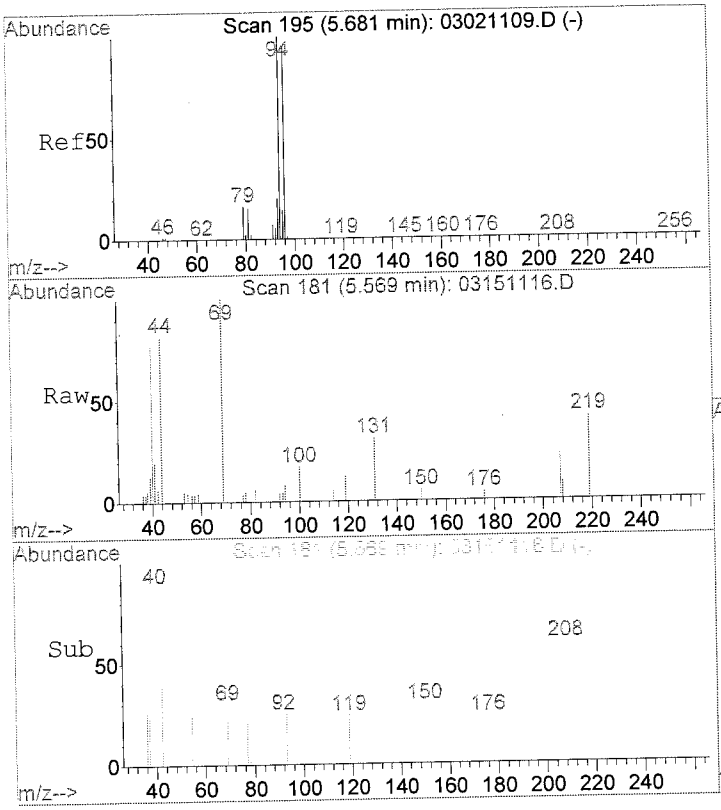


#6
Chloromethane
Concen: 0.12 ug/L
RT: 4.78 min Scan# 88
Delta R.T. 0.01 min
Lab File: 03151116.D
Acq: 15 Mar 2011 2:40 pm

Tgt Ion: 50 Resp: 1591

Ion	Ratio	Lower	Upper
50	100		
52	0.0	13.2	53.2#

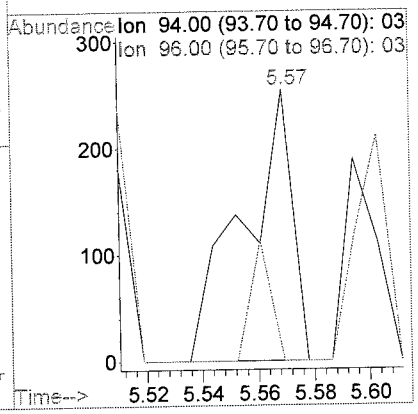




#8
Bromomethane
Concen: 0.85 ug/L
RT: 5.57 min Scan# 181
Delta R.T. -0.09 min
Lab File: 03151116.D
Acq: 15 Mar 2011 2:40 pm

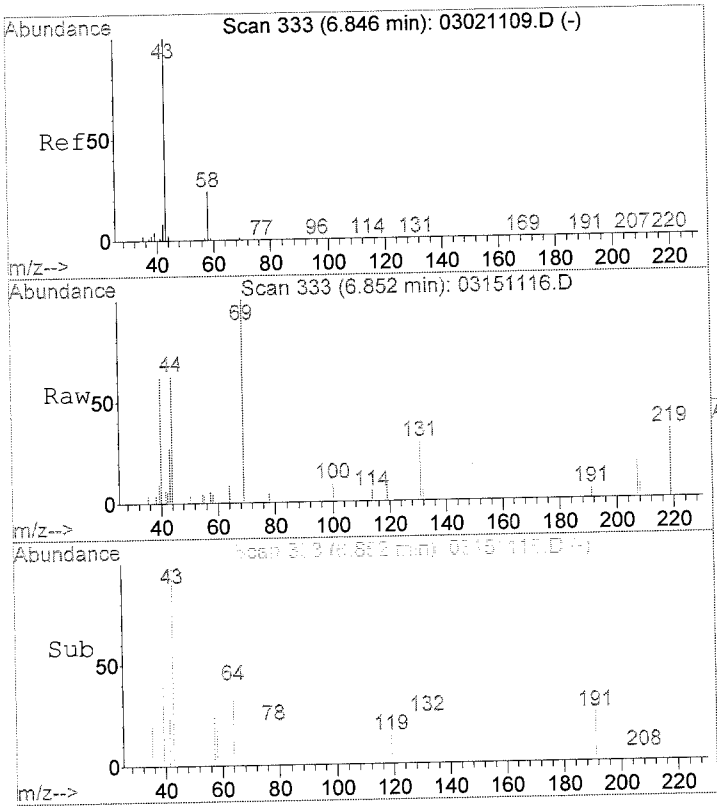
Tgt Ion: 94 Resp: 308

Ion	Ratio	Lower	Upper
94	100		
96	0.0	79.5	119.3#



NBM

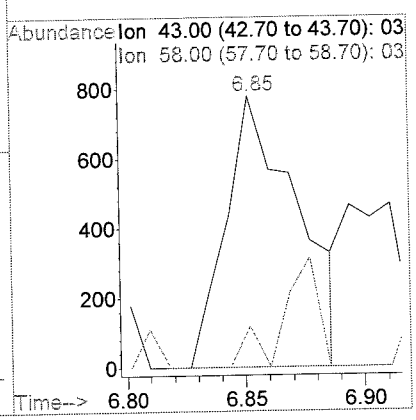
NL

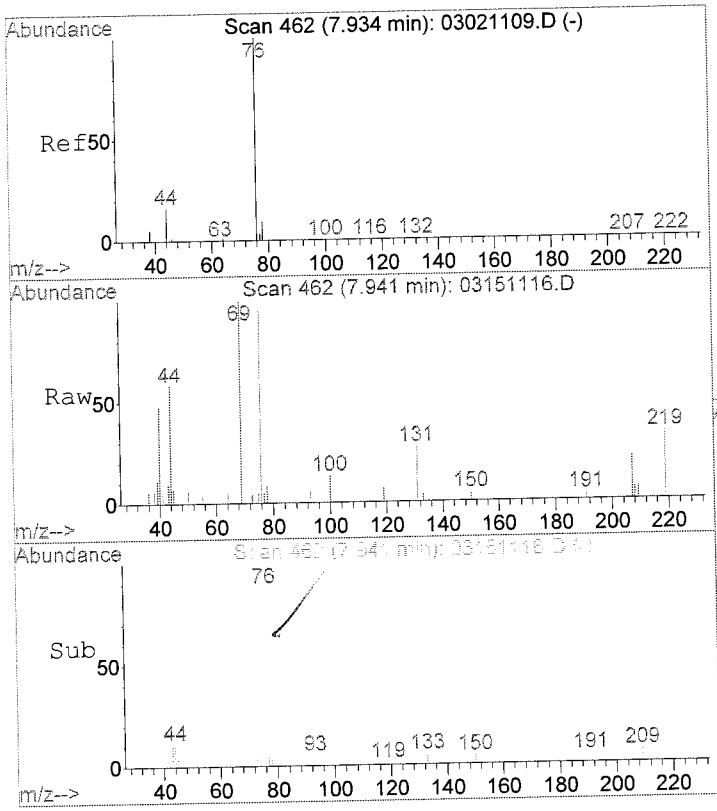


#11
Acetone
Concen: 0.54 ug/L
RT: 6.85 min Scan# 333
Delta R.T. 0.02 min
Lab File: 03151116.D
Acq: 15 Mar 2011 2:40 pm

Tgt Ion: 43 Resp: 1647

Ion	Ratio	Lower	Upper
43	100		
58	19.9	17.0	25.6

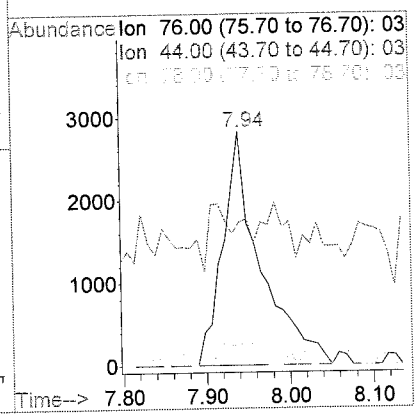


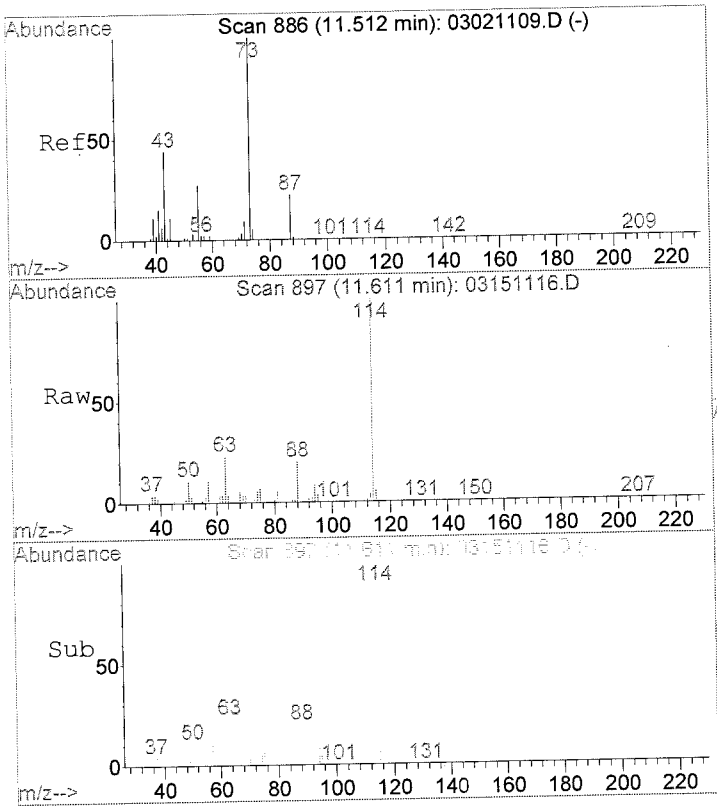


#16
Carbon disulfide
Concen: 0.22 ug/L
RT: 7.94 min Scan# 462
Delta R.T. 0.02 min
Lab File: 03151116.D
Acq: 15 Mar 2011 2:40 pm

Tgt Ion: 76 Resp: 8757

Ion	Ratio	Lower	Upper
76	100		
44	9.9	15.0	22.4#
78	10.2	7.2	10.8

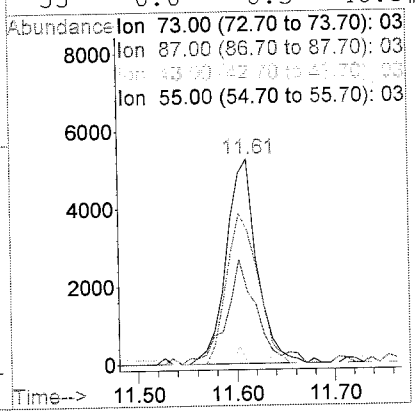


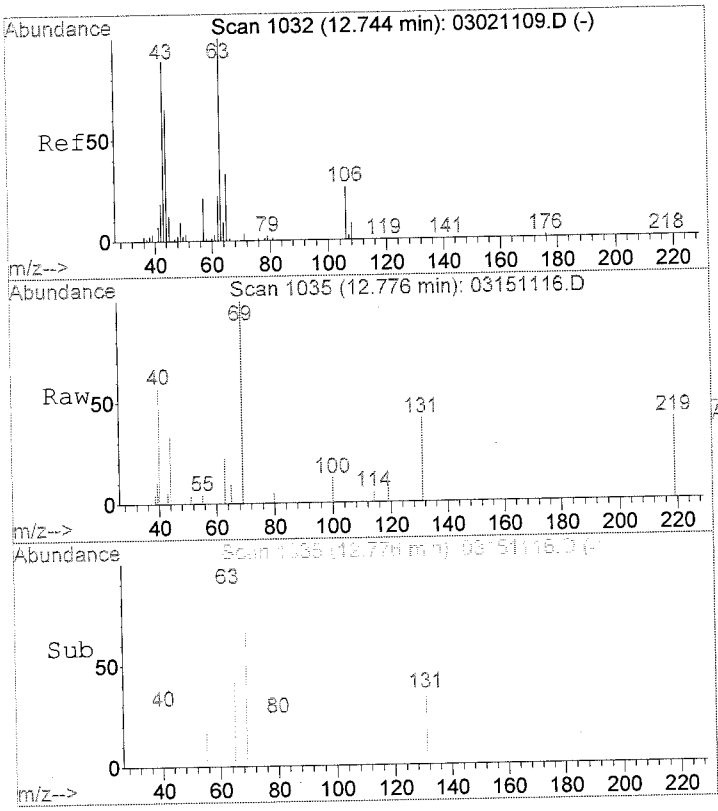


#32
(TAME) tert-Amyl methy ether
Concen: 0.39 ug/L
RT: 11.61 min Scan# 897
Delta R.T. 0.11 min
Lab File: 03151116.D
Acq: 15 Mar 2011 2:40 pm

Tgt Ion: 73 Resp: 11441

Ion	Ratio	Lower	Upper
73	100		
87	0.0	4.2	44.2#
43	5.1	26.6	66.6#
55	0.0	8.3	48.3#

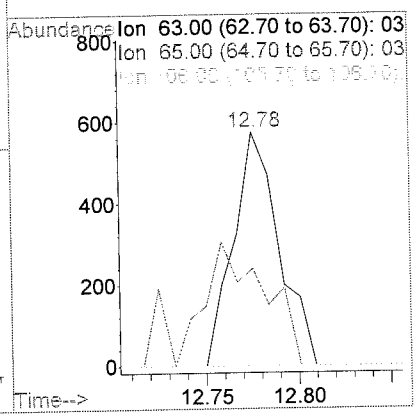


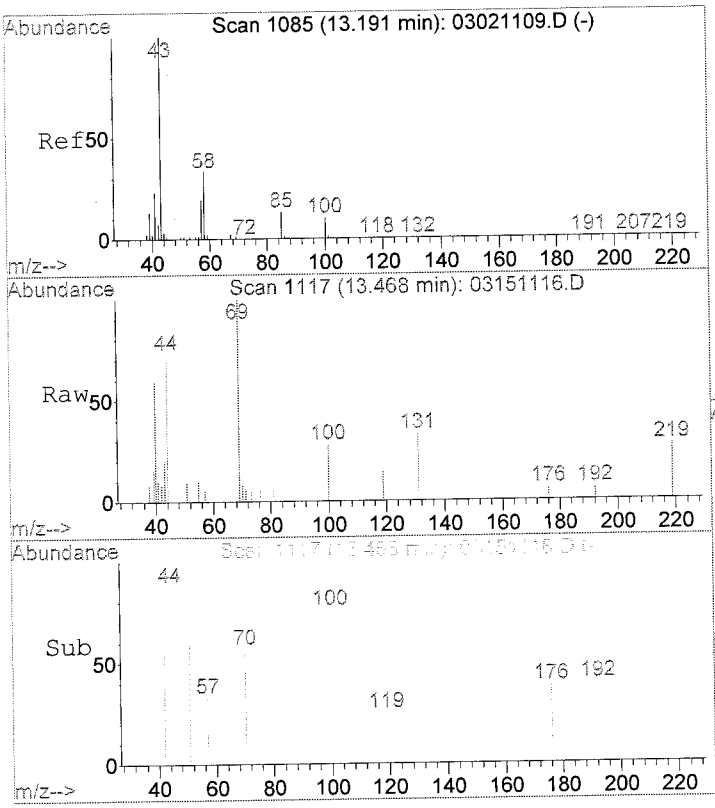


#41
2-Chlorovinylethylether
Concen: 0.24 ug/L
RT: 12.78 min Scan# 1035
Delta R.T. 0.05 min
Lab File: 03151116.D
Acq: 15 Mar 2011 2:40 pm

Tgt Ion: 63 Resp: 981

Ion	Ratio	Lower	Upper
63	100		
65	70.1	25.5	38.3#
106	0.0	23.0	34.6#

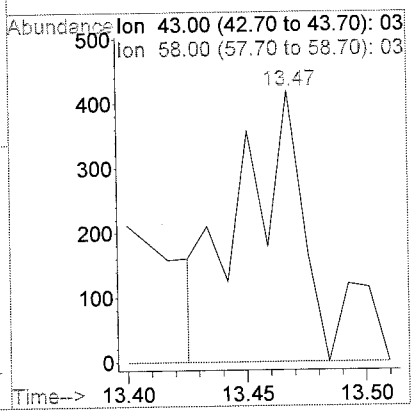


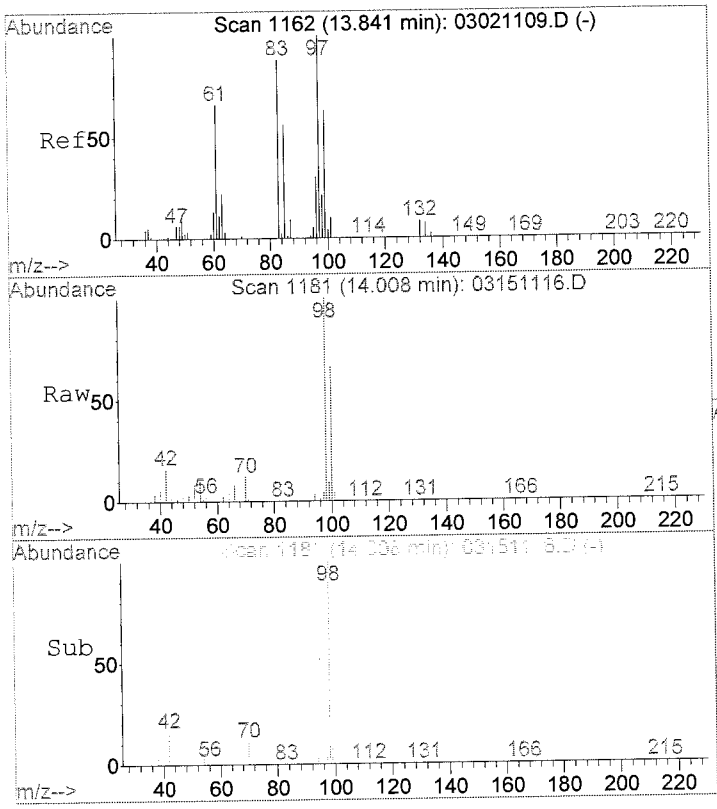


#43
4-Methyl-2-pentanone (MIBK)
Concen: 0.12 ug/L
RT: 13.47 min Scan# 1117
Delta R.T. 0.29 min
Lab File: 03151116.D
Acq: 15 Mar 2011 2:40 pm

Tgt Ion: 43 Resp: 736

Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.9	37.3#

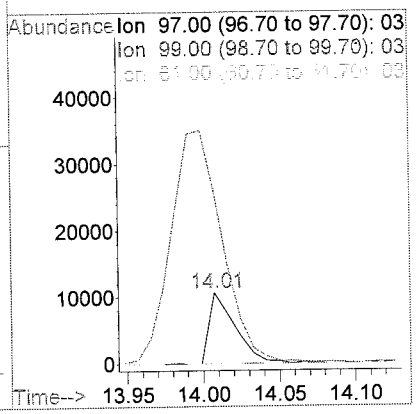




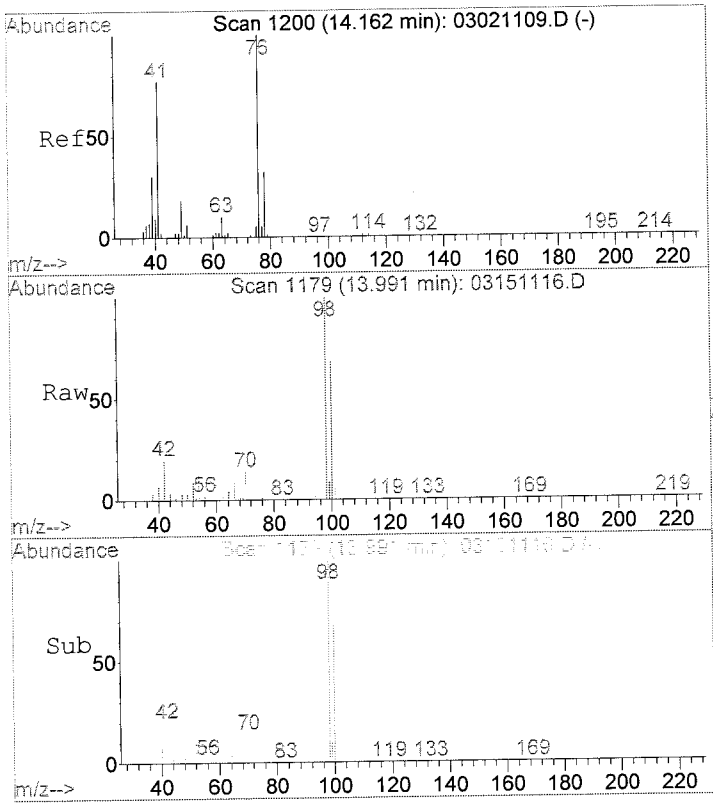
#45
1,1,2-Trichloroethane
Concen: 1.53 ug/L
RT: 14.01 min Scan# 1181
Delta R.T. 0.18 min
Lab File: 03151116.D
Acq: 15 Mar 2011 2:40 pm

Tgt Ion: 97 Resp: 12572

Ion	Ratio	Lower	Upper
97	100		
99	652.4	50.6	76.0#
61	0.8	60.0	90.0#



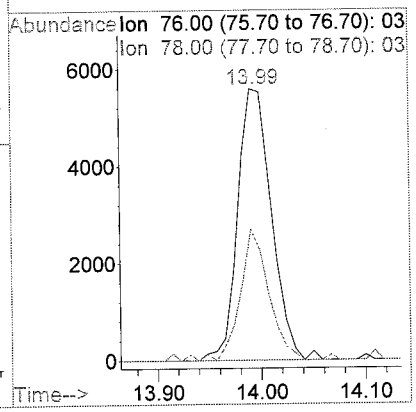
WPT



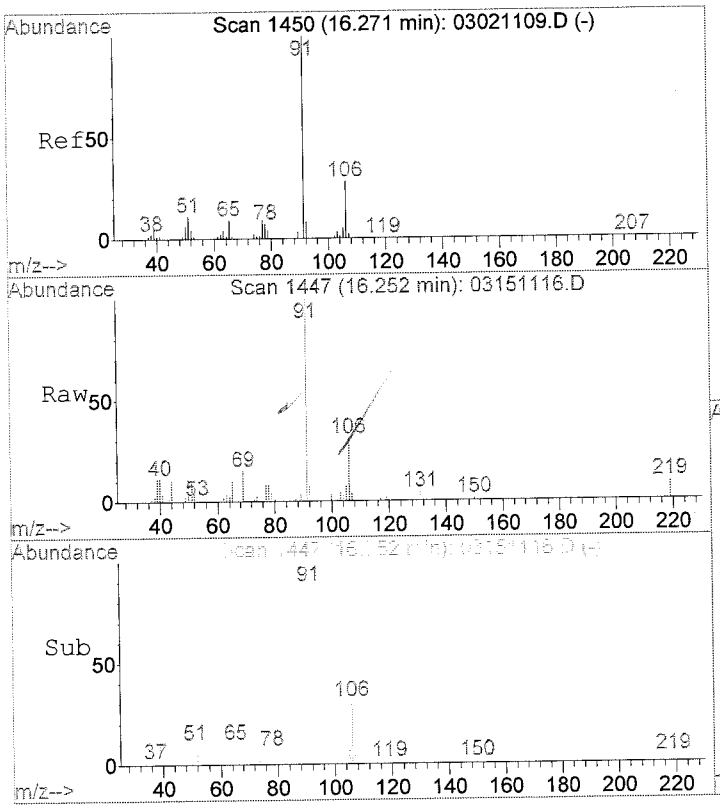
#49
1,3-Dichloropropane
Concen: 0.91 ug/L
RT: 13.99 min Scan# 1179
Delta R.T. -0.15 min
Lab File: 03151116.D
Acq: 15 Mar 2011 2:40 pm

Tgt Ion: 76 Resp: 12691

Ion	Ratio	Lower	Upper
76	100		
78	40.6	25.0	37.6#



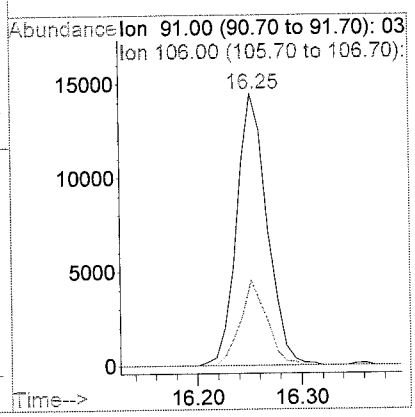
w RT

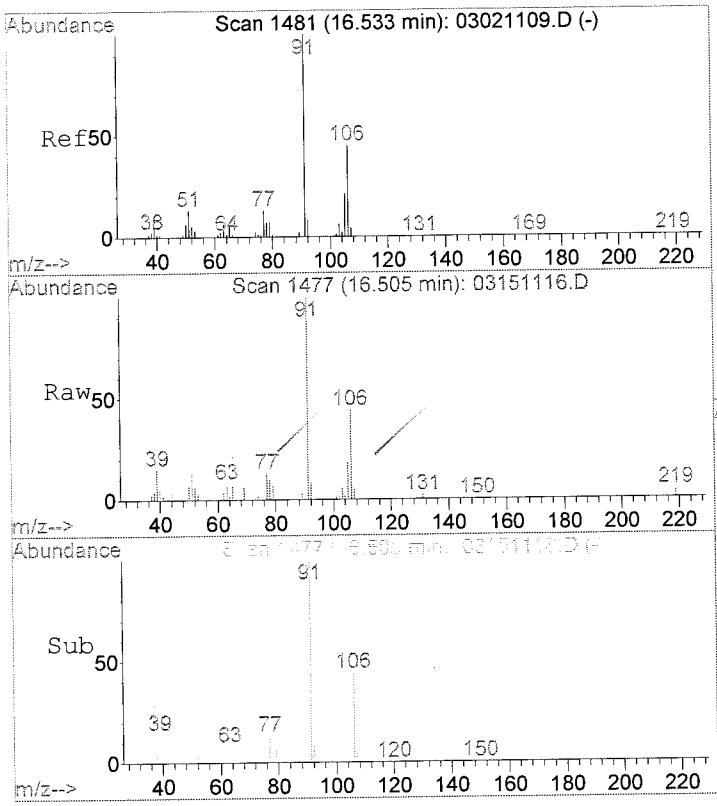


#56
Ethylbenzene
Concen: 0.50 ug/L
RT: 16.25 min Scan# 1447
Delta R.T. 0.01 min
Lab File: 03151116.D
Acq: 15 Mar 2011 2:40 pm

Tgt Ion: 91 Resp: 29416

Ion	Ratio	Lower	Upper
91	100		
106	27.3	22.3	33.5

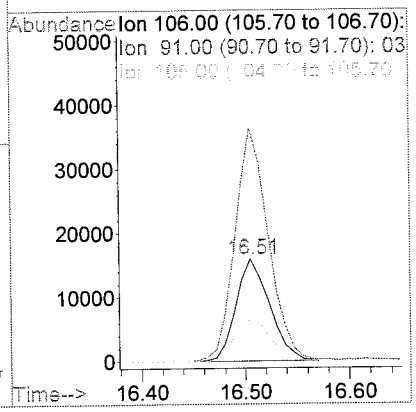


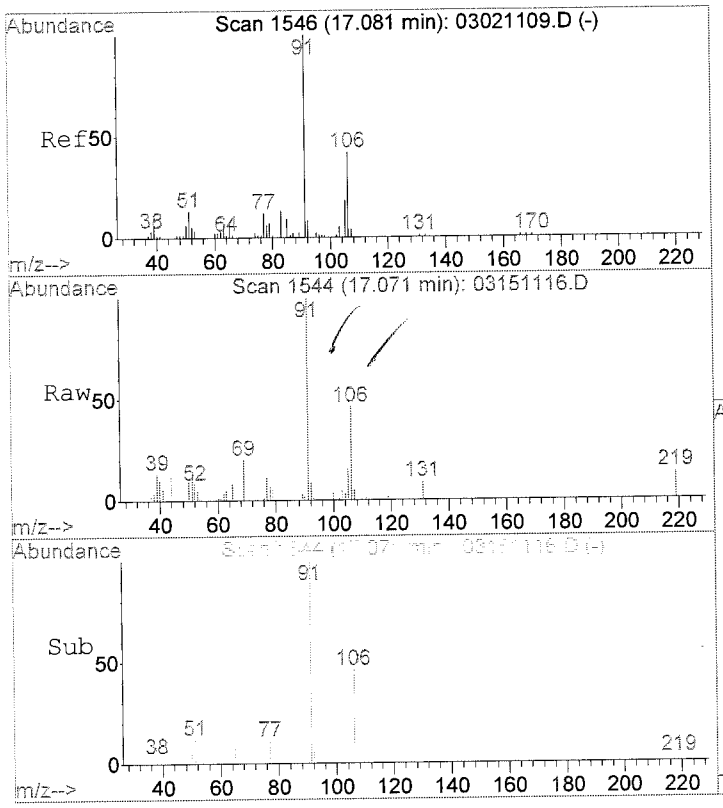


#57
m,p-Xylenes
Concen: 1.75 ug/L
RT: 16.51 min Scan# 1477
Delta R.T. -0.00 min
Lab File: 03151116.D
Acq: 15 Mar 2011 2:40 pm

Tgt Ion:106 Resp: 36196

Ion	Ratio	Lower	Upper
106	100		
91	227.0	182.2	273.4
105	44.1	37.7	56.5

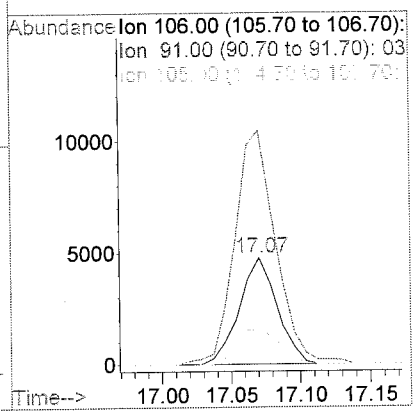


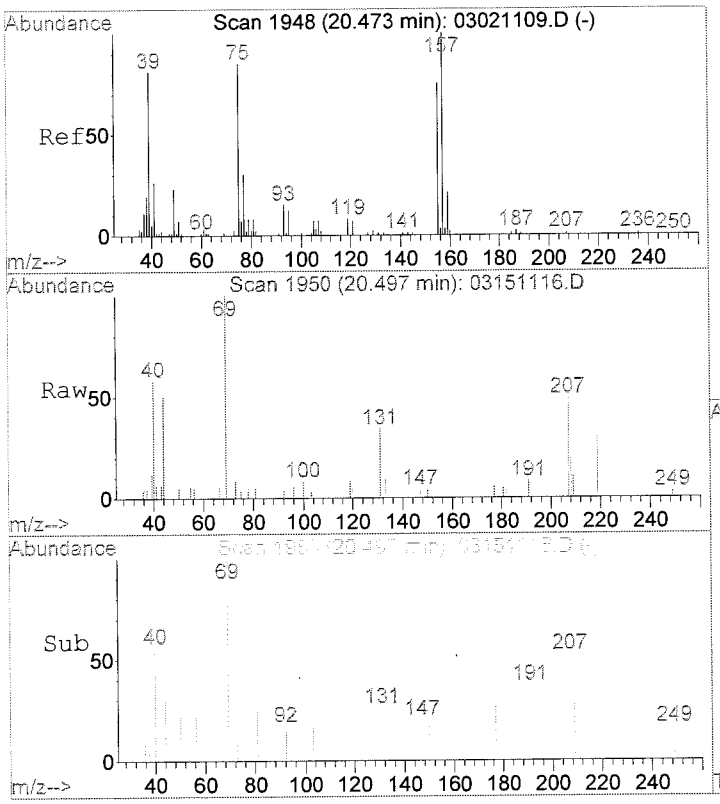


#59
o-Xylene
Concen: 0.26 ug/L
RT: 17.07 min Scan# 1544
Delta R.T. 0.01 min
Lab File: 03151116.D
Acq: 15 Mar 2011 2:40 pm

Tgt Ion:106 Resp: 9089

Ion	Ratio	Lower	Upper
106	100		
91	236.4	222.7	262.7
105	37.9	22.9	62.9

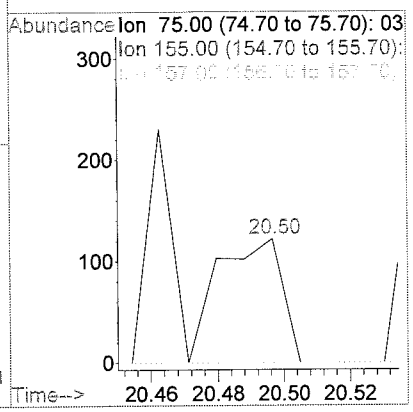


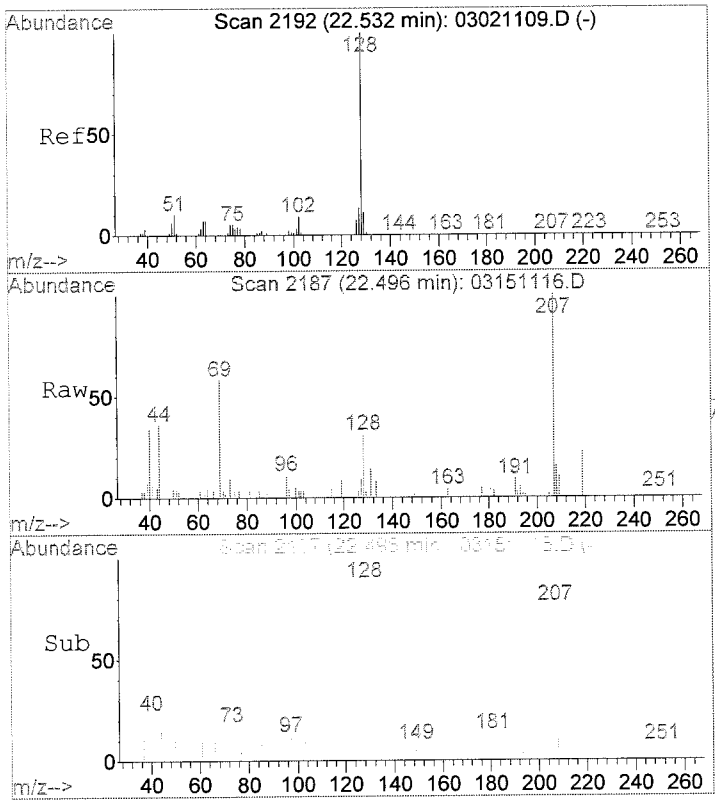


#79
1,2-Dibromo-3-chloropropane
Concen: 0.11 ug/L
RT: 20.50 min Scan# 1950
Delta R.T. 0.05 min
Lab File: 03151116.D
Acq: 15 Mar 2011 2:40 pm

Tgt Ion: 75 Resp: 166

Ion	Ratio	Lower	Upper
75	100		
155	0.0	67.3	100.9#
157	0.0	89.6	134.4#

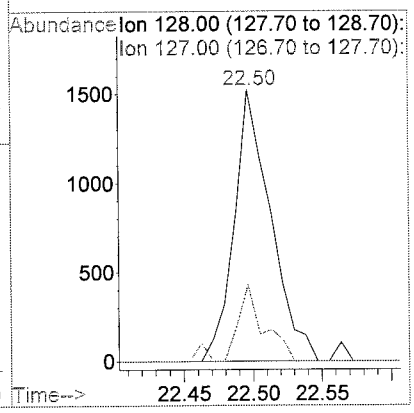




#81
Naphthalene
Concen: 0.12 ug/L
RT: 22.50 min Scan# 2187
Delta R.T. -0.00 min
Lab File: 03151116.D
Acq: 15 Mar 2011 2:40 pm

Tgt Ion:128 Resp: 2810

Ion	Ratio	Lower	Upper
128	100		
127	19.4	10.2	15.4#



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151117.D Vial: 10
Acq On : 15 Mar 2011 3:13 pm Operator: NL
Sample : PUC0635-02 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:15 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	91382	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	611184	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.61	114	797898	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	727174	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	446285	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	314438	22.44 ug/L	0.01
Spiked Amount 25.000			Recovery = 89.76%		
46) Toluene-d8	13.99	98	845257	24.02 ug/L	0.00
Spiked Amount 25.000			Recovery = 96.08%		
60) 4-Bromofluorobenzene	17.62	95	447899	27.92 ug/L	0.00
Spiked Amount 25.000			Recovery = 111.68%		

Target Compounds					Qvalue	
2) Ethanol	5.78	45	530	14.55 ug/L	79	NT
3) tert-Butanol (TBA)	7.42	59	56	Below Cal #	81	
8) Bromomethane	5.66	94	382	0.86 ug/L #	1	NSM
11) Acetone	6.86	43	2585	0.85 ug/L #	85	<RL
12) Iodomethane	7.51	142	54	1.79 ug/L #	32	NSM
16) Carbon disulfide	7.93	76	10094	0.25 ug/L #	88	<RL
32) (TAME) tert-Amyl methy eth	11.61	73	12530	0.43 ug/L #	34	NT
39) Trichloroethene	12.15	95	4324	0.28 ug/L #	89	<RL
43) 4-Methyl-2-pentanone (MIBK	13.45	43	1132	0.18 ug/L #	44	
45) 1,1,2-Trichloroethane	14.01	97	9909	1.19 ug/L #	1	WRT
49) 1,3-Dichloropropane	13.99	76	12527	0.88 ug/L #	67	
54) 1,1,1,2-Tetrachloroethane	15.95	131	1371	0.11 ug/L #	1	<RL
57) m,p-Xylenes	16.52	106	1963	0.09 ug/L	97	
59) o-Xylene	17.07	106	529	Below Cal #	68	
79) 1,2-Dibromo-3-chloropropan	20.42	75	211	0.14 ug/L #	1	

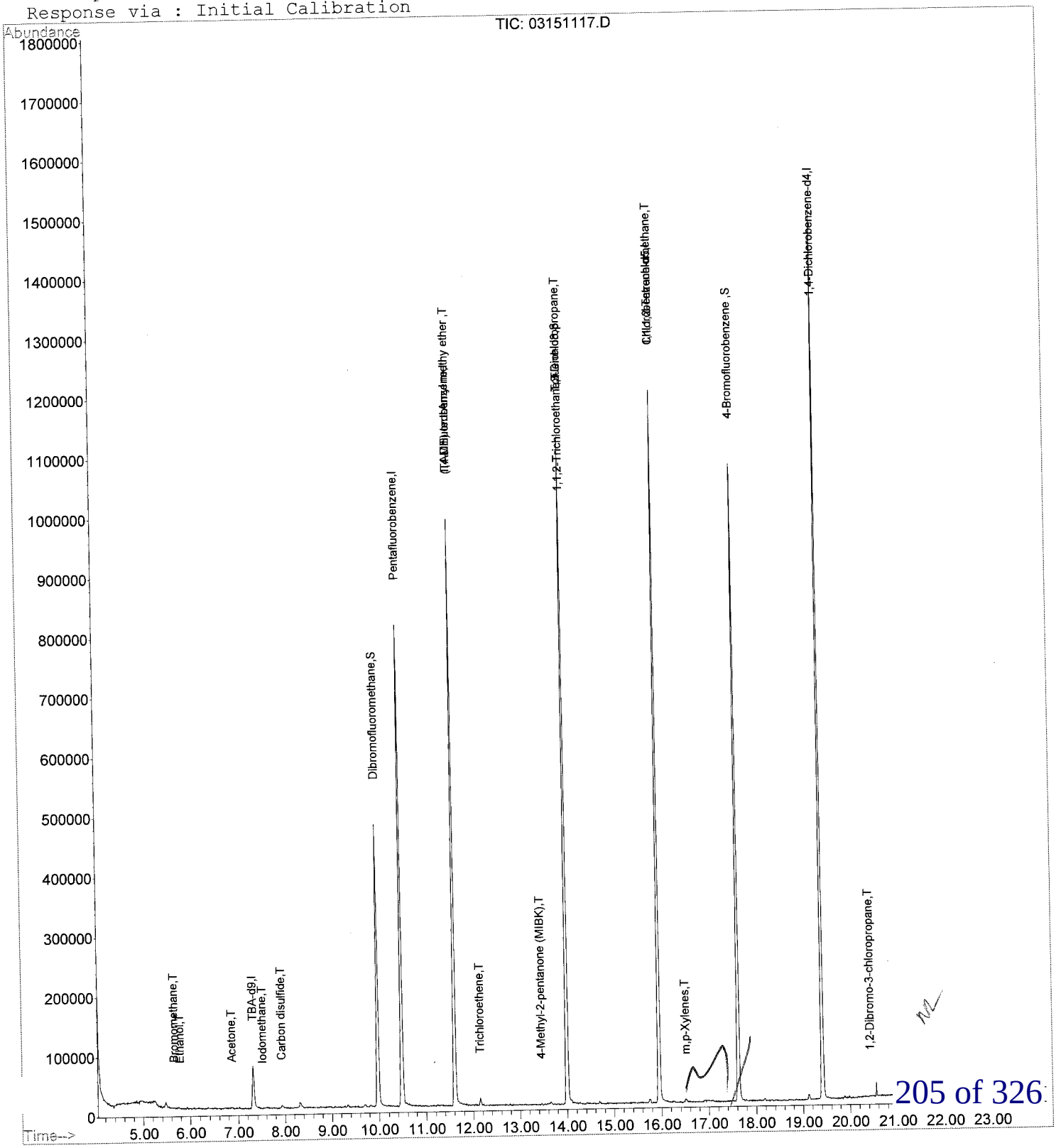
MV 3/16/11

(#) = qualifier out of range (m) = manual integration
03151117.D 031411.M Tue Mar 15 19:37:08 2011

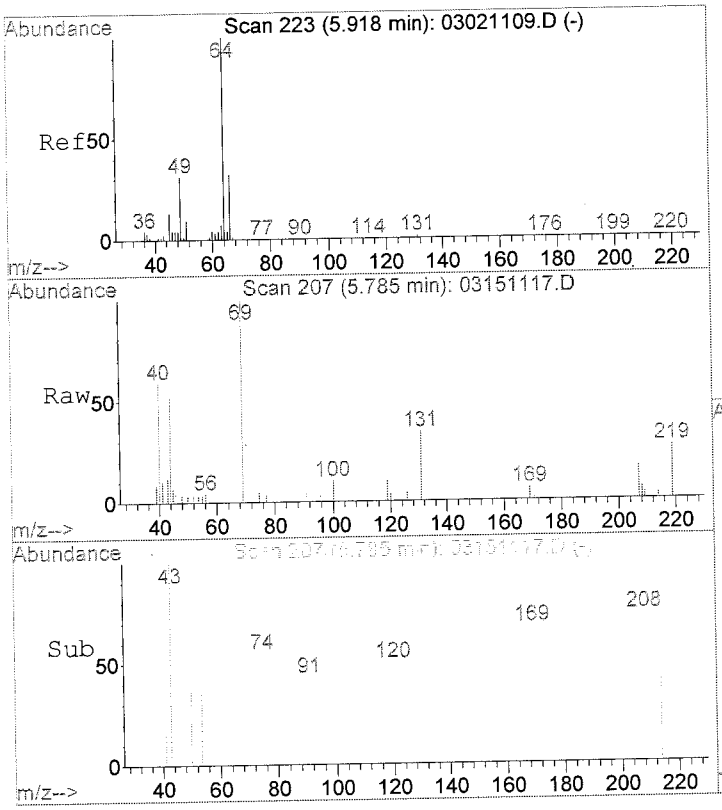
Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151117.D Vial: 10
Acq On : 15 Mar 2011 3:13 pm Operator: NL
Sample : PUC0635-02 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:15 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



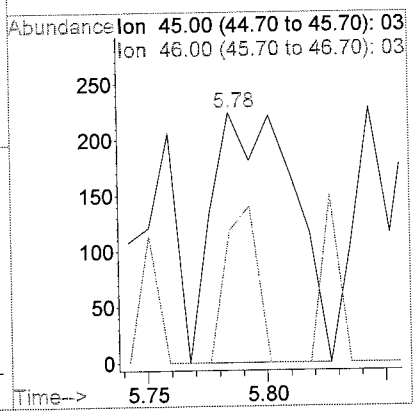
03151117.D 031411.M Tue Mar 15 19:37:09 2011

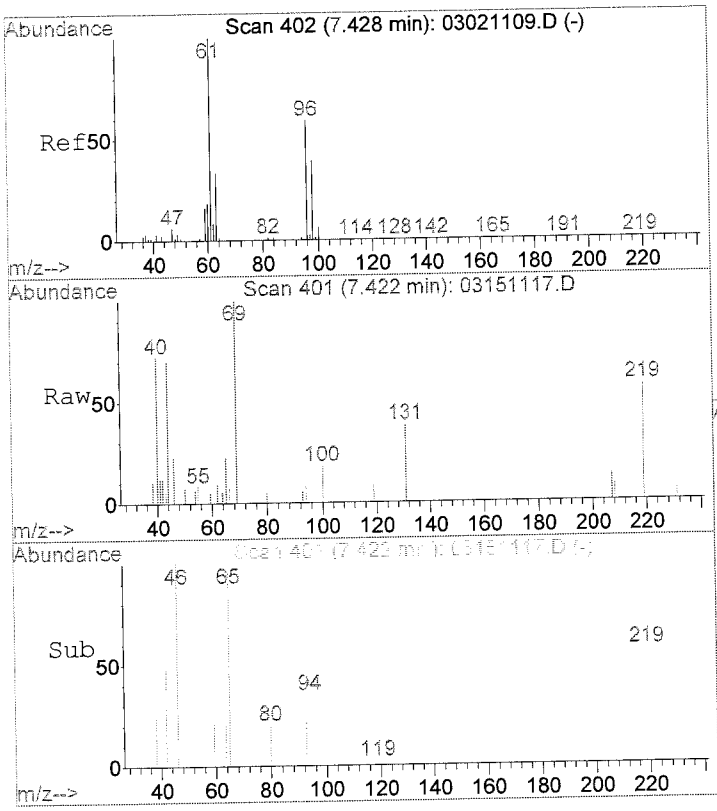


#2
Ethanol
Concen: 14.55 ug/L
RT: 5.78 min Scan# 207
Delta R.T. -0.11 min
Lab File: 03151117.D
Acq: 15 Mar 2011 3:13 pm

Tgt Ion: 45 Resp: 530

Ion	Ratio	Lower	Upper
45	100		
46	24.7	17.5	57.5

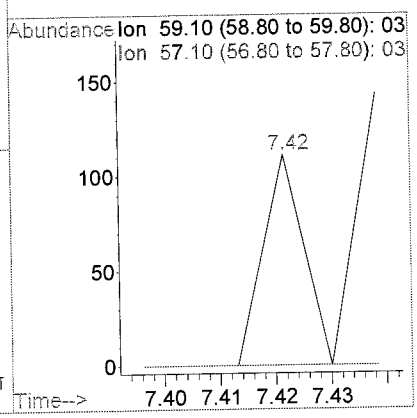


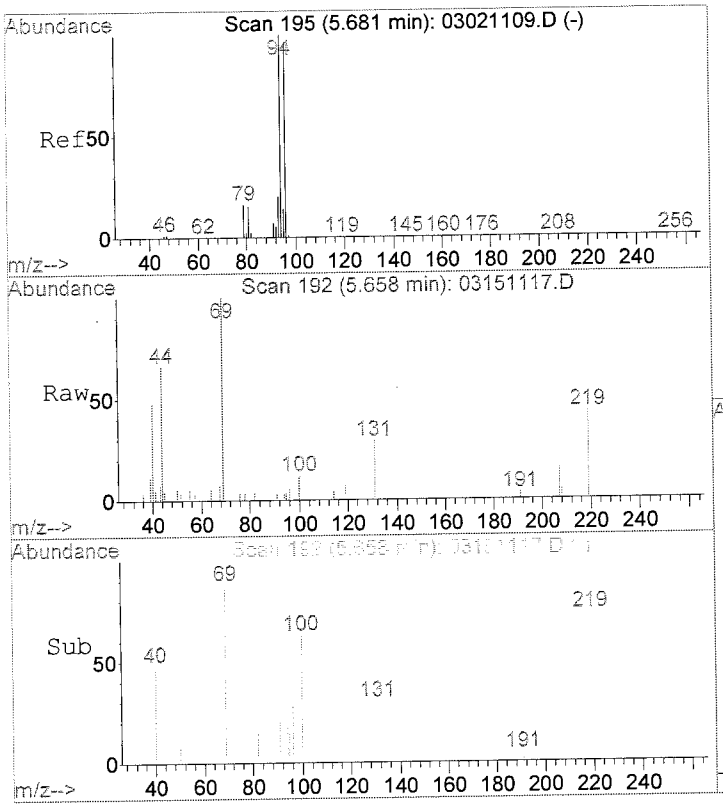


#3
tert-Butanol (TBA)
Concen: Below Cal
RT: 7.42 min Scan# 401
Delta R.T. 0.00 min
Lab File: 03151117.D
Acq: 15 Mar 2011 3:13 pm

Tgt Ion: 59 Resp: 56

Ion	Ratio	Lower	Upper
59	100		
57	0.0	5.0	7.6#

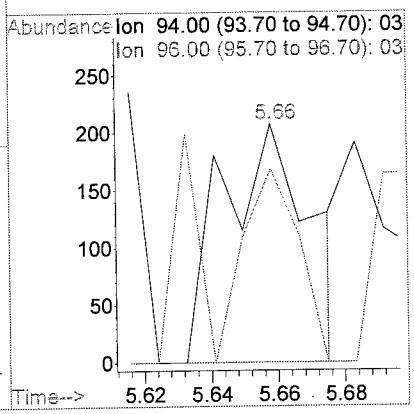


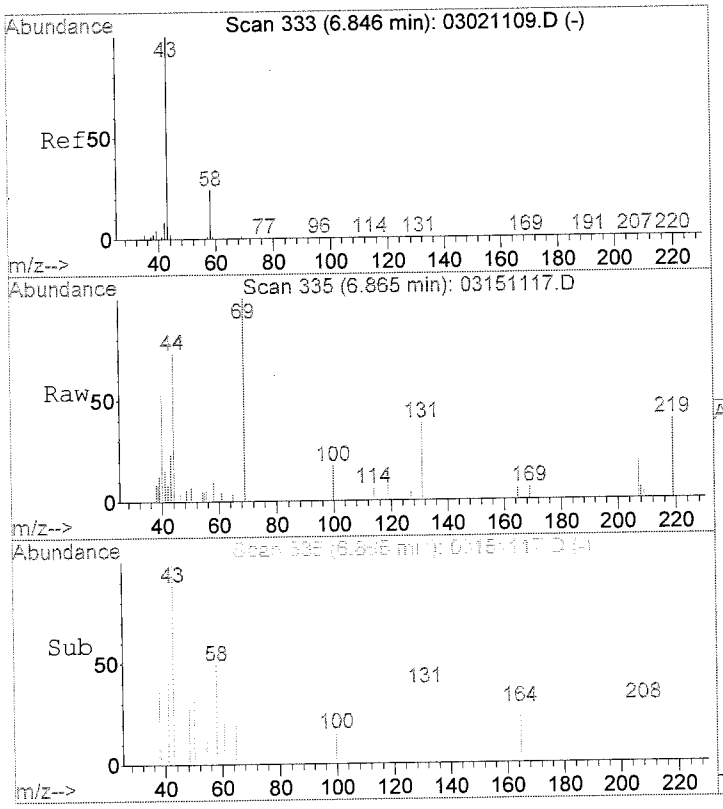


#8
Bromomethane
Concen: 0.86 ug/L
RT: 5.66 min Scan# 192
Delta R.T. -0.00 min
Lab File: 03151117.D
Acq: 15 Mar 2011 3:13 pm

Tgt Ion: 94 Resp: 382

Ion	Ratio	Lower	Upper
94	100		
96	0.0	79.5	119.3#

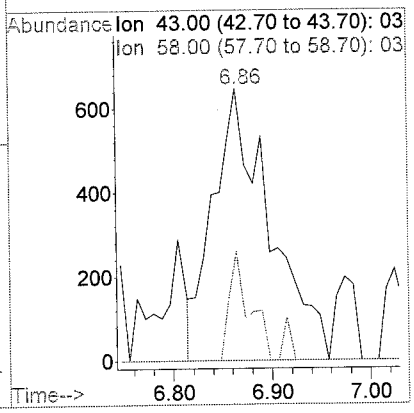


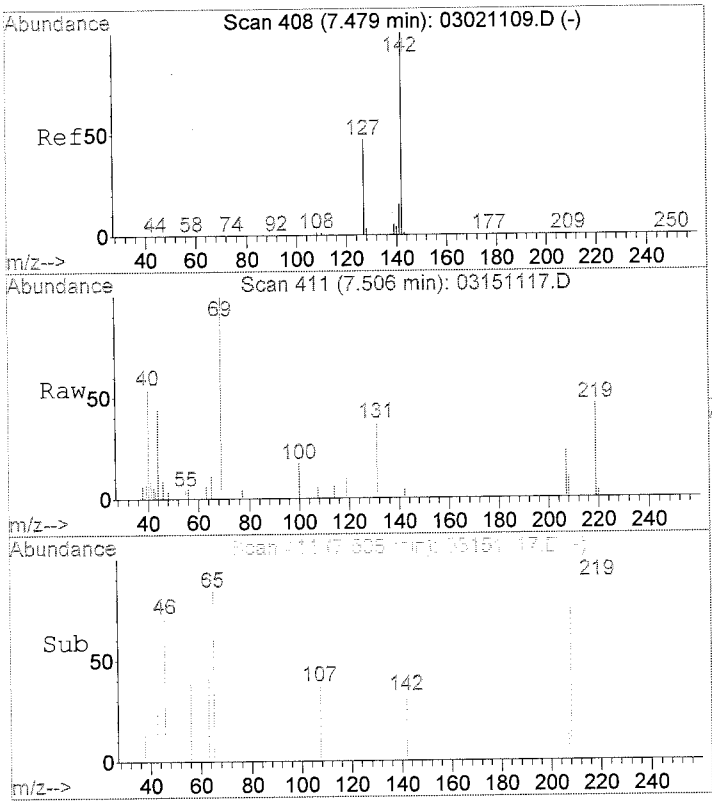


#11
Acetone
Concen: 0.85 ug/L
RT: 6.86 min Scan# 335
Delta R.T. 0.04 min
Lab File: 03151117.D
Acq: 15 Mar 2011 3:13 pm

Tgt Ion: 43 Resp: 2585

Ion	Ratio	Lower	Upper
43	100		
58	14.5	17.0	25.6#

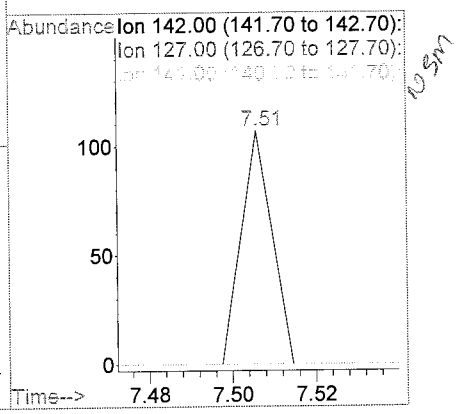


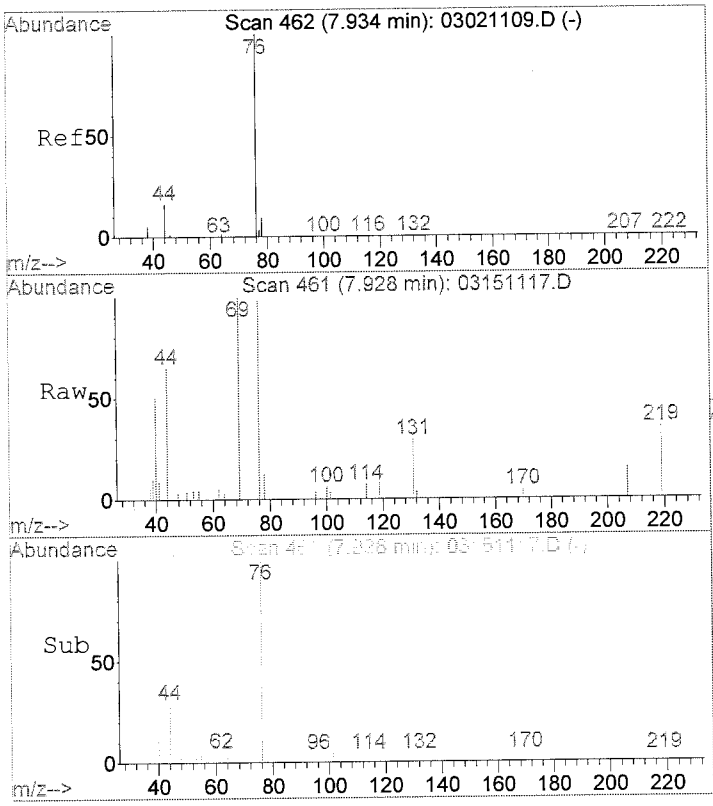


#12
Iodomethane
Concen: 1.79 ug/L
RT: 7.51 min Scan# 411
Delta R.T. 0.05 min
Lab File: 03151117.D
Acq: 15 Mar 2011 3:13 pm

Tgt Ion:142 Resp: 54

Ion	Ratio	Lower	Upper
142	100		
127	0.0	44.9	67.3#
141	0.0	13.1	19.7#

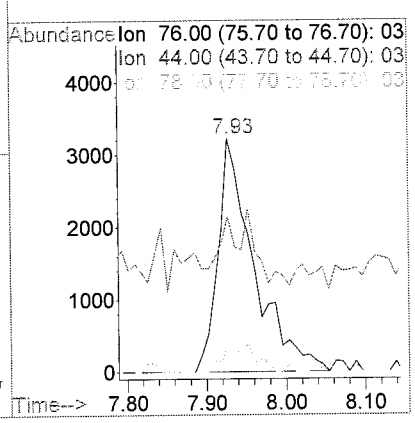


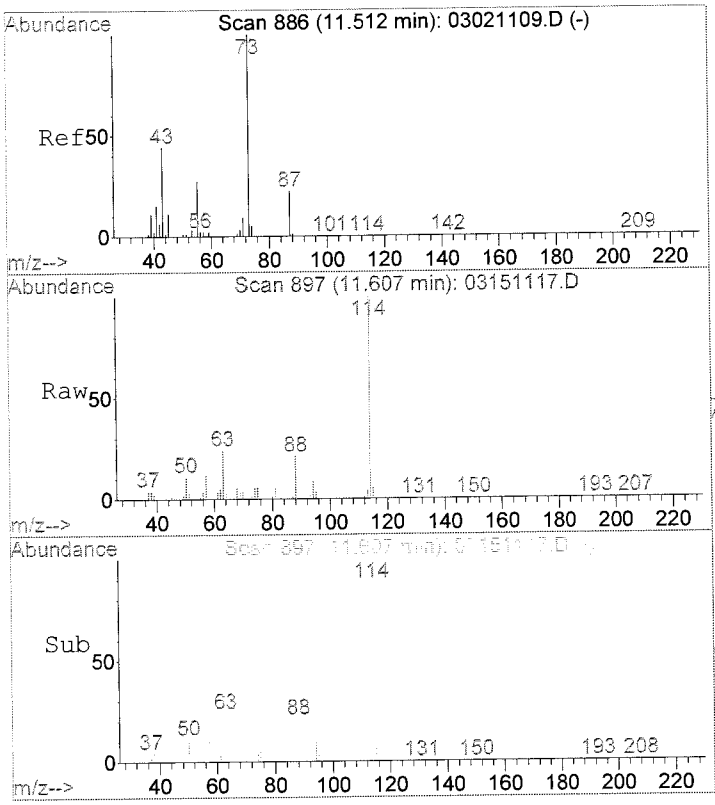


#16
Carbon disulfide
Concen: 0.25 ug/L
RT: 7.93 min Scan# 461
Delta R.T. 0.00 min
Lab File: 03151117.D
Acq: 15 Mar 2011 3:13 pm

Tgt Ion: 76 Resp: 10094

Ion	Ratio	Lower	Upper
76	100		
44	11.6	15.0	22.4#
78	10.6	7.2	10.8

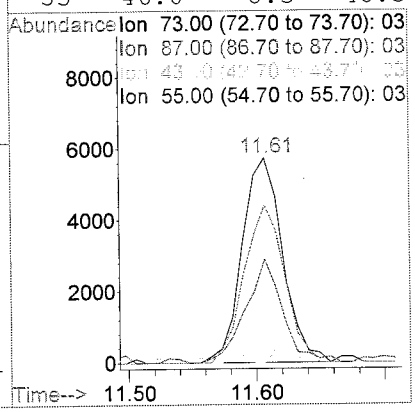


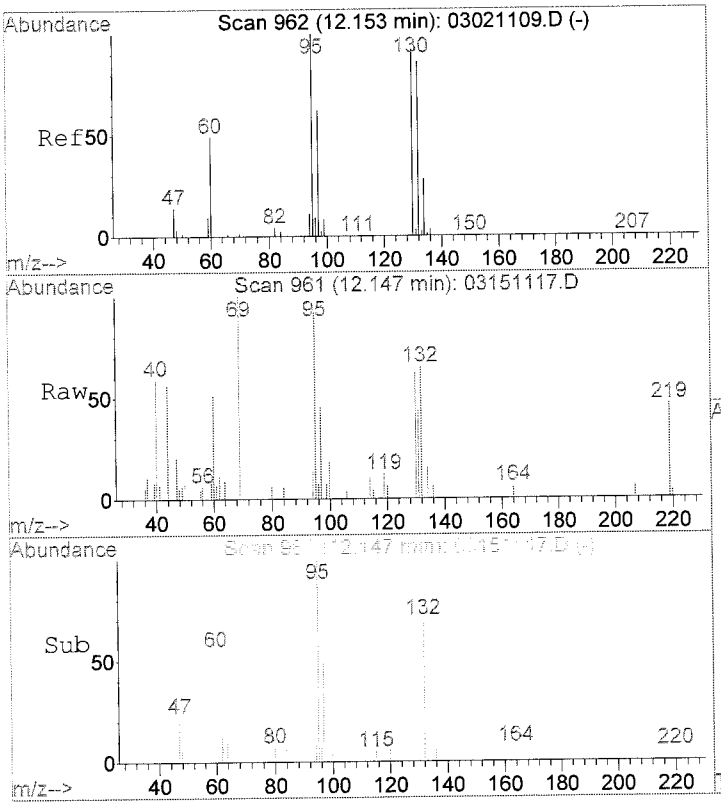


#32
(TAME) tert-Amyl methy ether
Concen: 0.43 ug/L
RT: 11.61 min Scan# 897
Delta R.T. 0.10 min
Lab File: 03151117.D
Acq: 15 Mar 2011 3:13 pm

Tgt Ion: 73 Resp: 12530

Ion	Ratio	Lower	Upper
73	100		
87	76.5	4.2	44.2#
43	3.3	26.6	66.6#
55	46.0	8.3	48.3

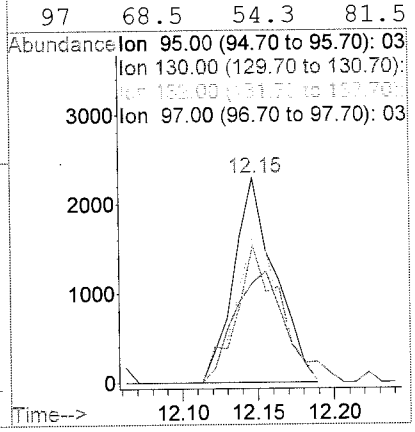


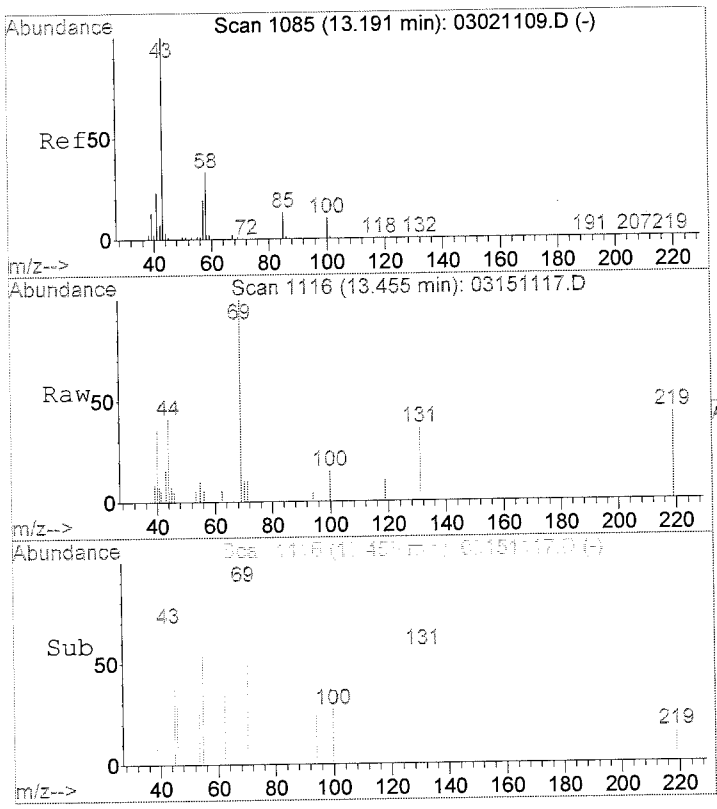


#39
Trichloroethene
Concen: 0.28 ug/L
RT: 12.15 min Scan# 961
Delta R.T. 0.00 min
Lab File: 03151117.D
Acq: 15 Mar 2011 3:13 pm

Tgt Ion: 95 Resp: 4324

Ion	Ratio	Lower	Upper
95	100		
130	69.6	70.3	105.5#
132	75.2	68.5	102.7
97	68.5	54.3	81.5

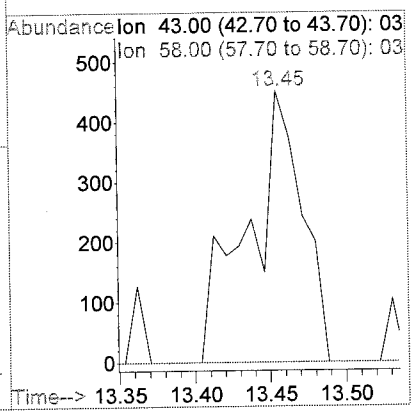


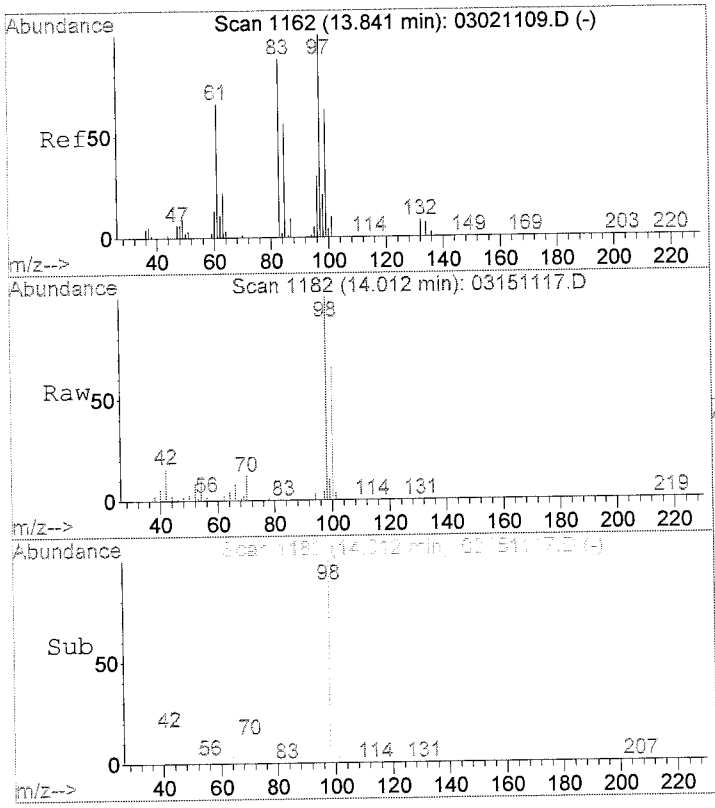


#43
4-Methyl-2-pentanone (MIBK)
Concen: 0.18 ug/L
RT: 13.45 min Scan# 1116
Delta R.T. 0.28 min
Lab File: 03151117.D
Acq: 15 Mar 2011 3:13 pm

Tgt Ion: 43 Resp: 1132

Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.9	37.3#

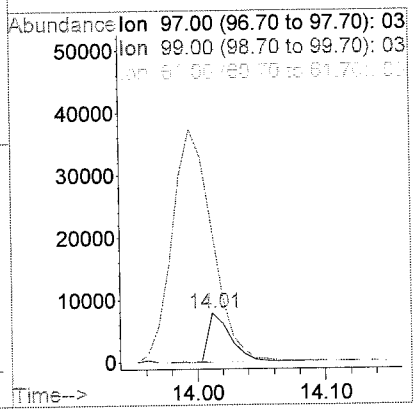




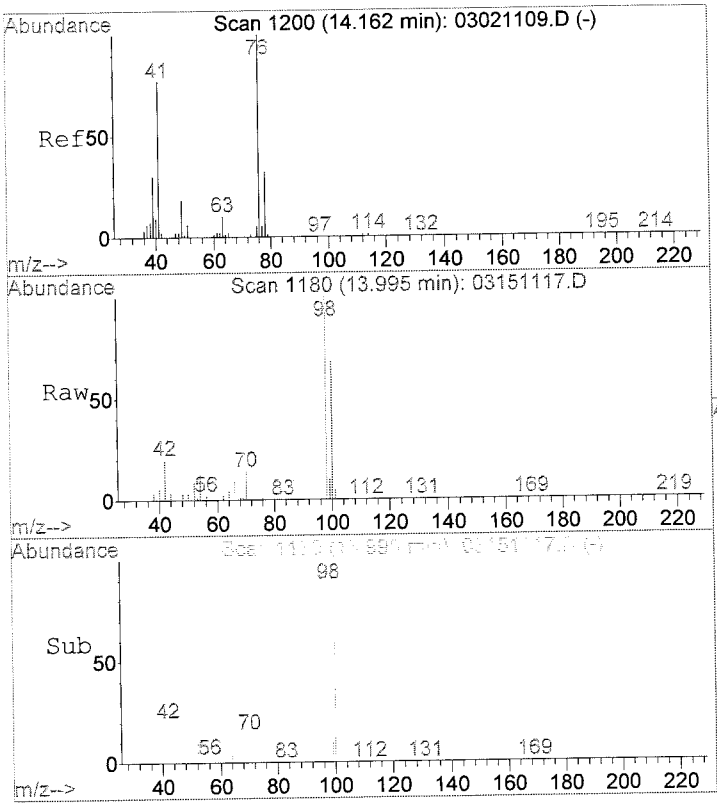
#45
1,1,2-Trichloroethane
Concen: 1.19 ug/L
RT: 14.01 min Scan# 1182
Delta R.T. 0.19 min
Lab File: 03151117.D
Acq: 15 Mar 2011 3:13 pm

Tgt Ion: 97 Resp: 9909

Ion	Ratio	Lower	Upper
97	100		
99	824.5	50.6	76.0#
61	2.4	60.0	90.0#



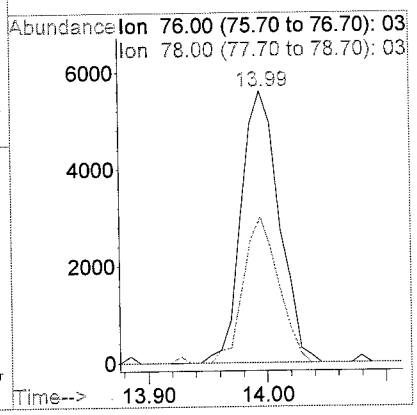
WRT

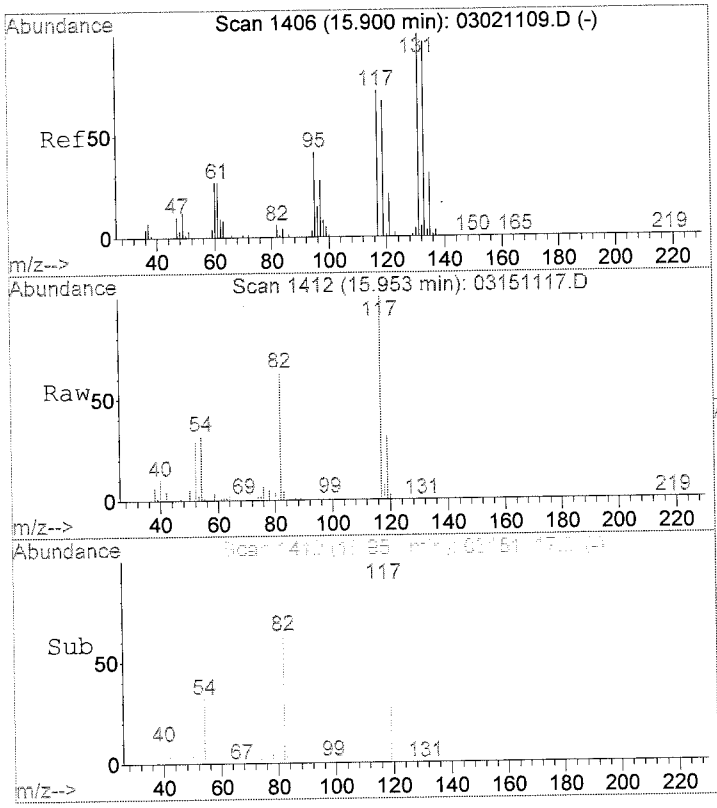


#49
1,3-Dichloropropane
Concen: 0.88 ug/L
RT: 13.99 min Scan# 1180
Delta R.T. -0.15 min
Lab File: 03151117.D
Acq: 15 Mar 2011 3:13 pm

Tgt Ion: 76 Resp: 12527

Ion	Ratio	Lower	Upper
76	100		
78	49.5	25.0	37.6#

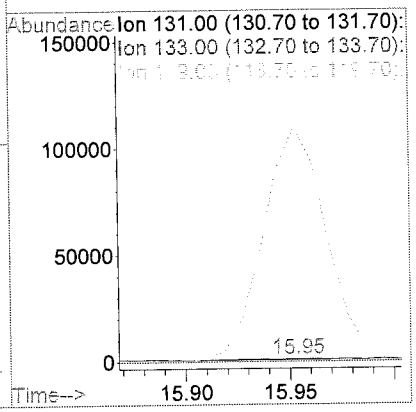


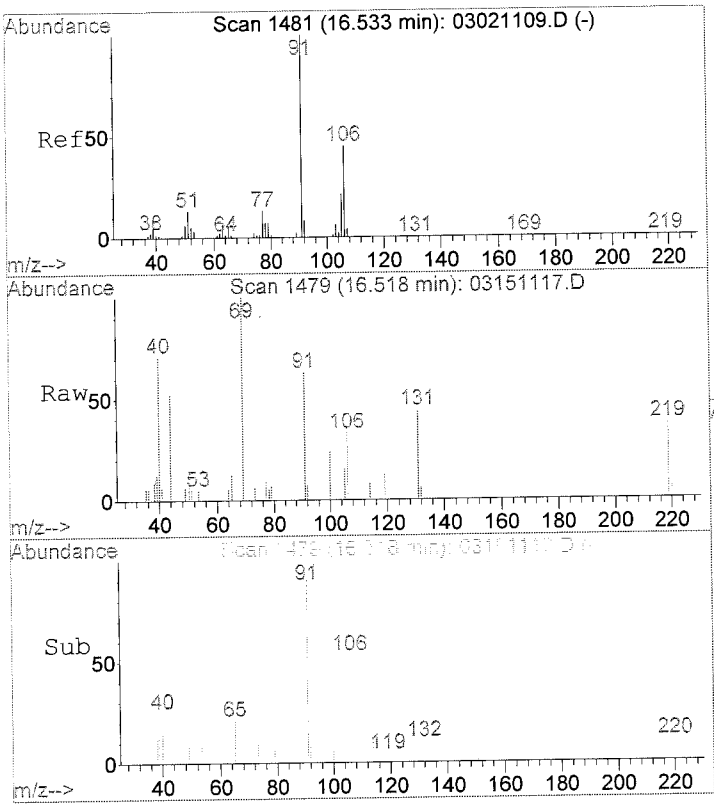


#54
1,1,1,2-Tetrachloroethane
Concen: 0.11 ug/L
RT: 15.95 min Scan# 1412
Delta R.T. 0.07 min
Lab File: 03151117.D
Acq: 15 Mar 2011 3:13 pm

Tgt Ion:131 Resp: 1371

Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.7	116.5#
119	16994.1	53.0	79.4#

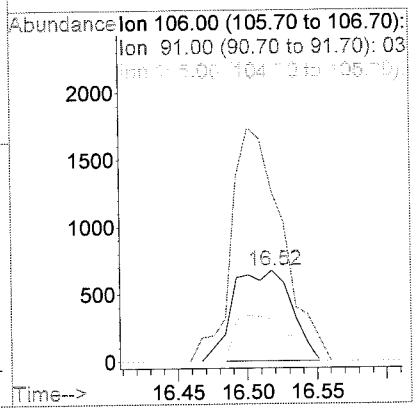


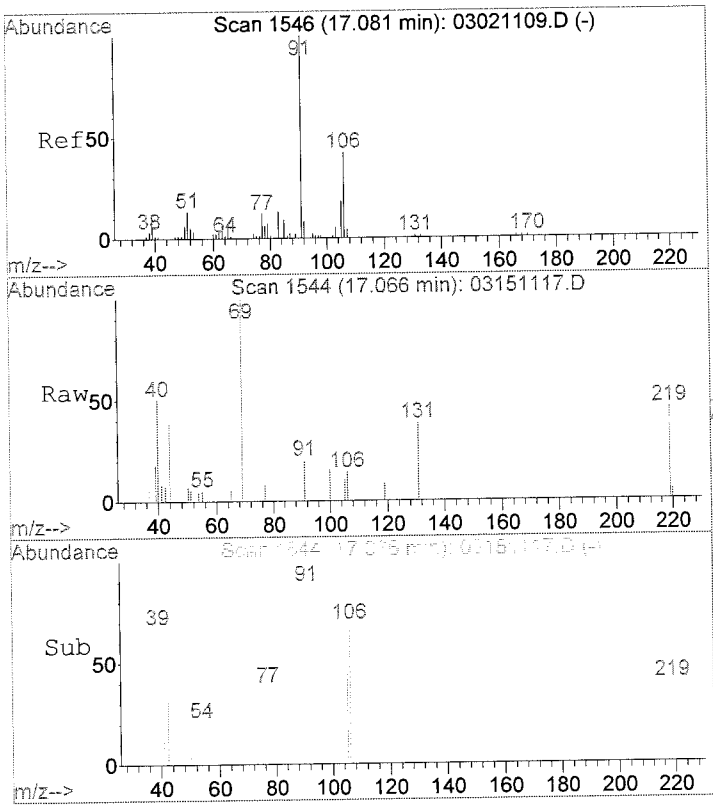


#57
m,p-Xylenes
Concen: 0.09 ug/L
RT: 16.52 min Scan# 1479
Delta R.T. 0.01 min
Lab File: 03151117.D
Acq: 15 Mar 2011 3:13 pm

Tgt Ion:106 Resp: 1963

Ion	Ratio	Lower	Upper
106	100		
91	223.3	182.2	273.4
105	46.1	37.7	56.5

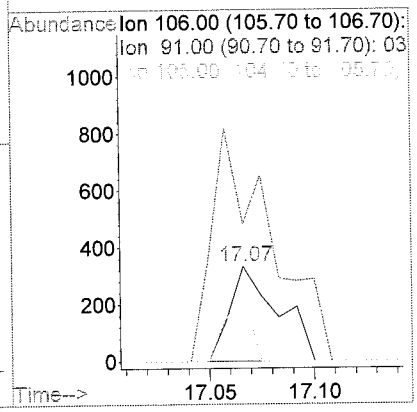


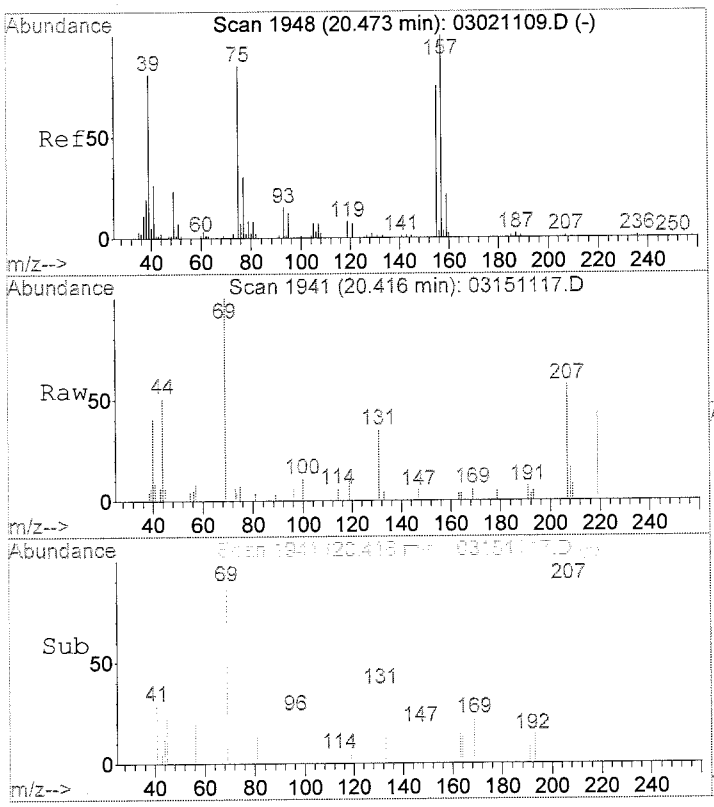


#59
o-Xylene
Concen: Below Cal
RT: 17.07 min Scan# 1544
Delta R.T. 0.00 min
Lab File: 03151117.D
Acq: 15 Mar 2011 3:13 pm

Tgt Ion:106 Resp: 529

Ion	Ratio	Lower	Upper
106	100		
91	303.2	222.7	262.7#
105	36.3	22.9	62.9

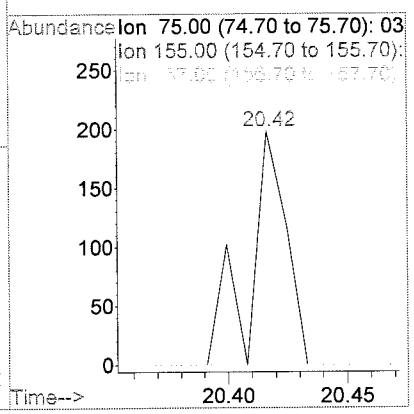




#79
1,2-Dibromo-3-chloropropane
Concen: 0.14 ug/L
RT: 20.42 min Scan# 1941
Delta R.T. -0.03 min
Lab File: 03151117.D
Acq: 15 Mar 2011 3:13 pm

Tgt Ion: 75 Resp: 211

Ion	Ratio	Lower	Upper
75	100		
155	0.0	67.3	100.9#
157	0.0	89.6	134.4#



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151118.D Vial: 11
Acq On : 15 Mar 2011 3:44 pm Operator: NL
Sample : PUC0635-03 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:15 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.32	65	79241	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	585154	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.61	114	756521	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.96	117	674931	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	396030	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	292563	21.81 ug/L	0.01
Spiked Amount 25.000			Recovery =	87.24%	
46) Toluene-d8	14.00	98	808345	24.23 ug/L	0.00
Spiked Amount 25.000			Recovery =	96.92%	
60) 4-Bromofluorobenzene	17.63	95	411754	27.66 ug/L	0.00
Spiked Amount 25.000			Recovery =	110.64%	

Target Compounds					Qvalue
2) Ethanol	5.91	45	798	25.27 ug/L	77 NT
3) tert-Butanol (TBA)	7.42	59	715	Below Cal #	81
6) Chloromethane	4.80	50	1157	0.10 ug/L #	33 LRL
8) Bromomethane	5.69	94	452	0.87 ug/L #	71 NSM
11) Acetone	6.87	43	1435	0.49 ug/L #	74 ND
12) Iodomethane	7.45	142	103	1.80 ug/L #	32 NSM
13) 1,1-Dichloroethene	7.42	96	11562	0.84 ug/L	98
14) Methylene chloride	7.62	84	1497	0.09 ug/L #	82 ND
16) Carbon disulfide	7.93	76	7705	0.20 ug/L #	75 LRL
18) MTBE	8.63	73	3170	0.11 ug/L #	79
19) 1,1-Dichloroethane	8.82	63	24088	0.83 ug/L	96
22) 2-Butanone (MEK)	9.56	72	83	0.11 ug/L #	1 ND
24) cis-1,2-dichloroethene	9.55	96	6382	0.38 ug/L	93 LRL
26) Chloroform	9.82	83	42362	1.37 ug/L	98
32) (TAME) tert-Amyl methy eth	11.60	73	12460	0.44 ug/L #	43 NT
39) Trichloroethene	12.15	95	24129	1.64 ug/L	96 ~~WRT~~ NL 3/16/11
40) Bromodichloromethane	12.21	83	1961	0.11 ug/L #	74 ND
43) 4-Methyl-2-pentanone (MIBK	13.45	43	1287	0.22 ug/L #	44
45) 1,1,2-Trichloroethane	14.01	97	11847	1.50 ug/L #	1 WRT
49) 1,3-Dichloropropane	14.00	76	11331	0.86 ug/L #	67
53) Tetrachloroethene	15.09	164	3056	0.26 ug/L	89 LRL
59) o-Xylene	17.07	106	140	Below Cal #	76
79) 1,2-Dibromo-3-chloropropan	20.53	75	171	0.12 ug/L #	15

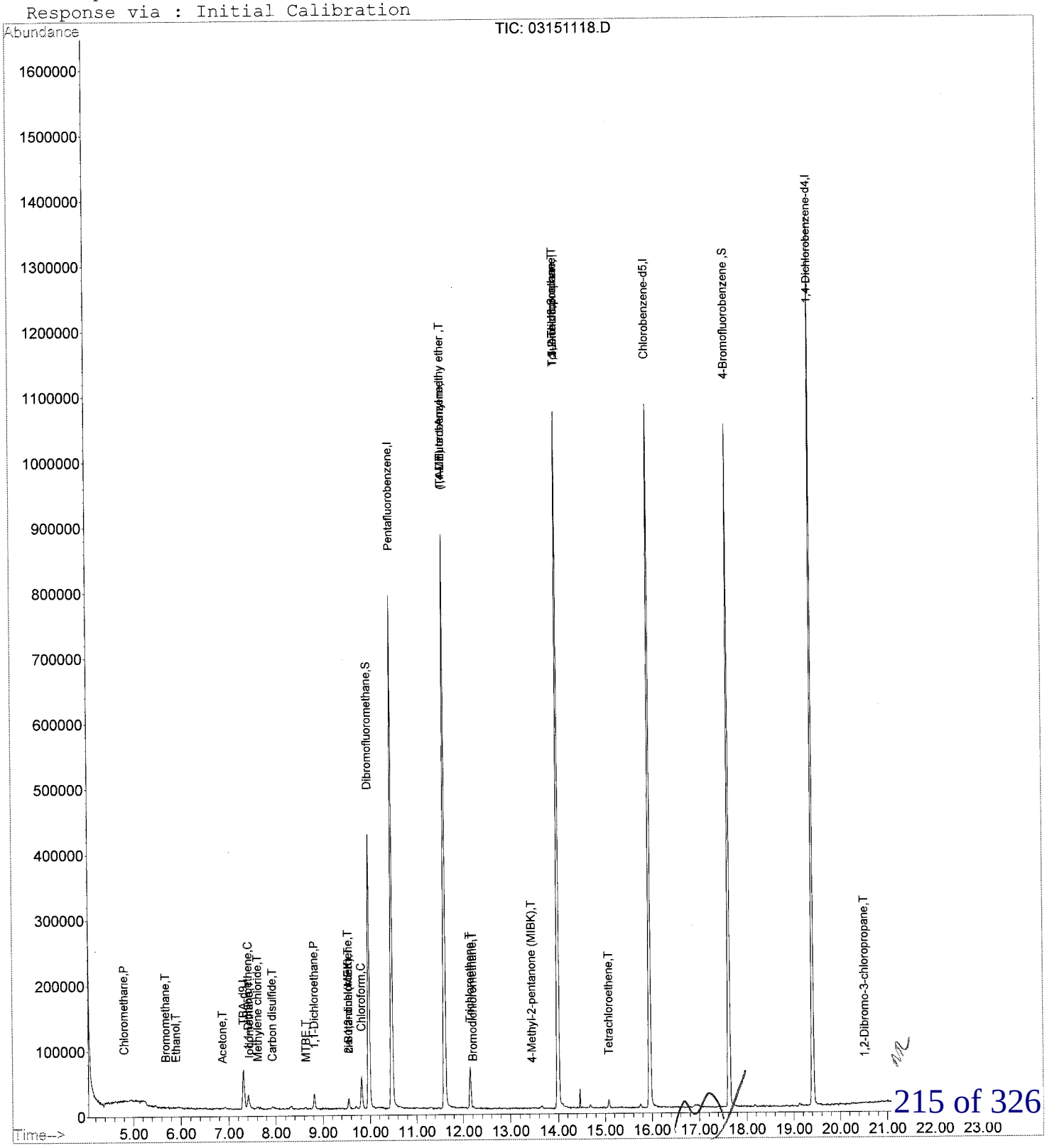
NL 3/16/11

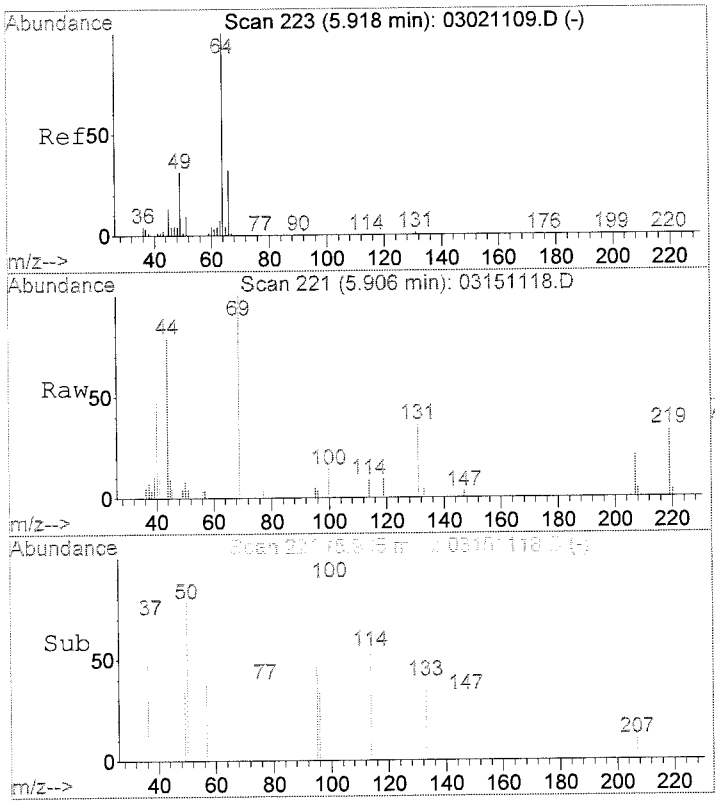
(#) = qualifier out of range (m) = manual integration
03151118.D 031411.M Tue Mar 15 19:37:27 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031511\03151118.D Vial: 11
Acq On : 15 Mar 2011 3:44 pm Operator: NL
Sample : PUC0635-03 Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 19:15 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration

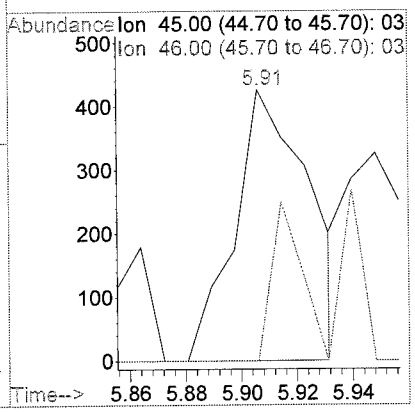


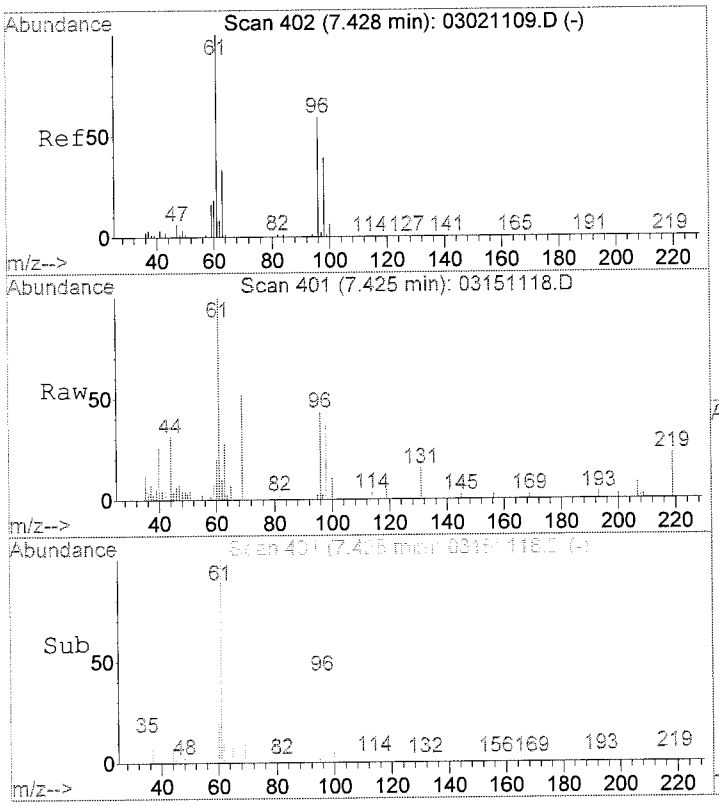


#2
Ethanol
Concen: 25.27 ug/L
RT: 5.91 min Scan# 221
Delta R.T. 0.01 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 45 Resp: 798

Ion	Ratio	Lower	Upper
45	100		
46	23.8	17.5	57.5

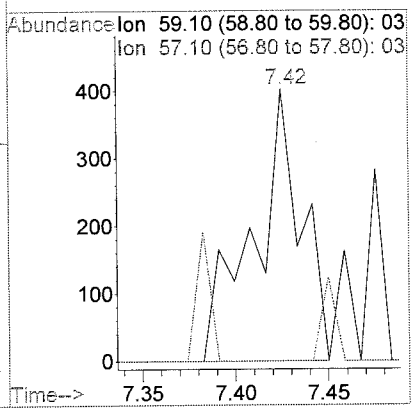


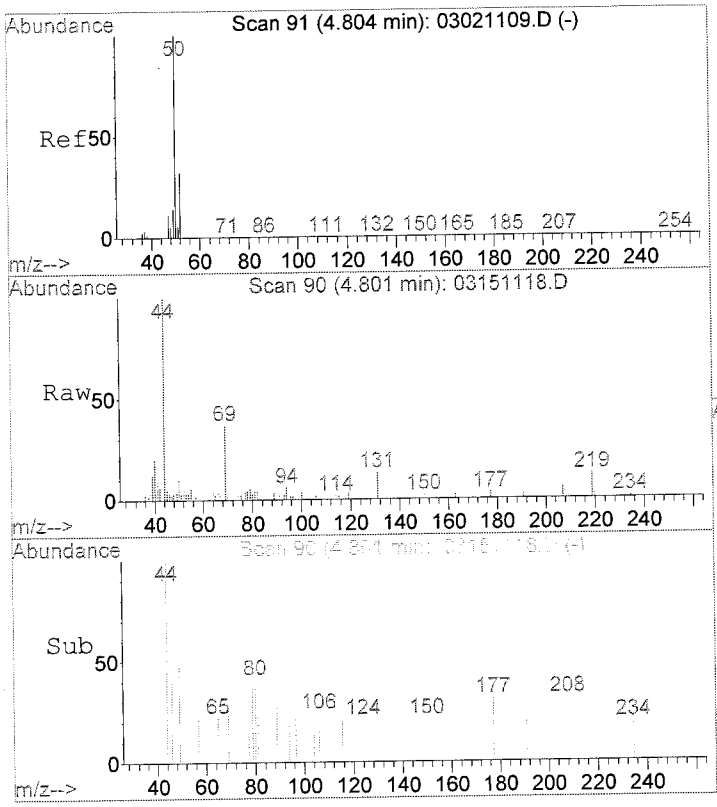


#3
tert-Butanol (TBA)
Concen: Below Cal
RT: 7.42 min Scan# 401
Delta R.T. 0.01 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 59 Resp: 715

Ion	Ratio	Lower	Upper
59	100		
57	0.0	5.0	7.6#

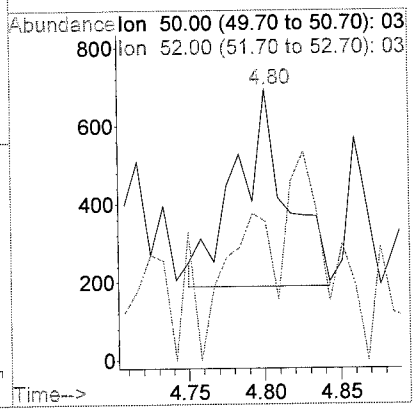


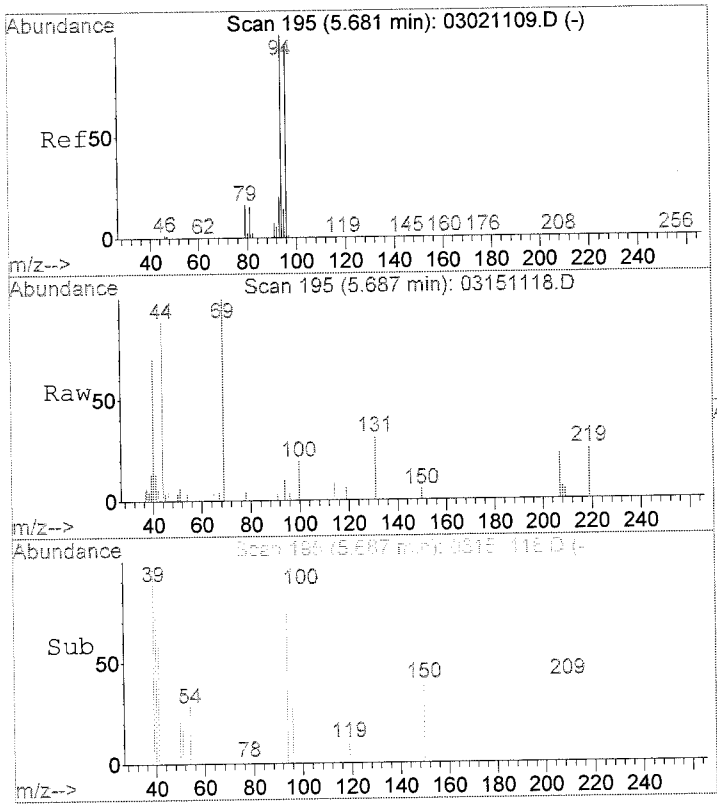


#6
Chloromethane
Concen: 0.10 ug/L
RT: 4.80 min Scan# 90
Delta R.T. 0.02 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 50 Resp: 1157

Ion	Ratio	Lower	Upper
50	100		
52	71.3	13.2	53.2#

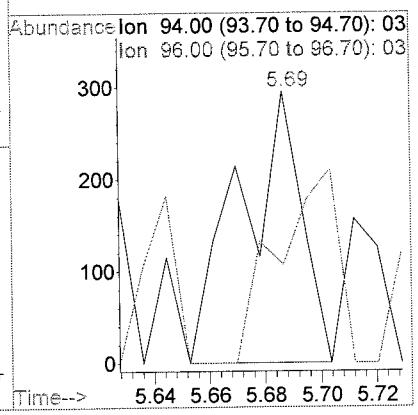


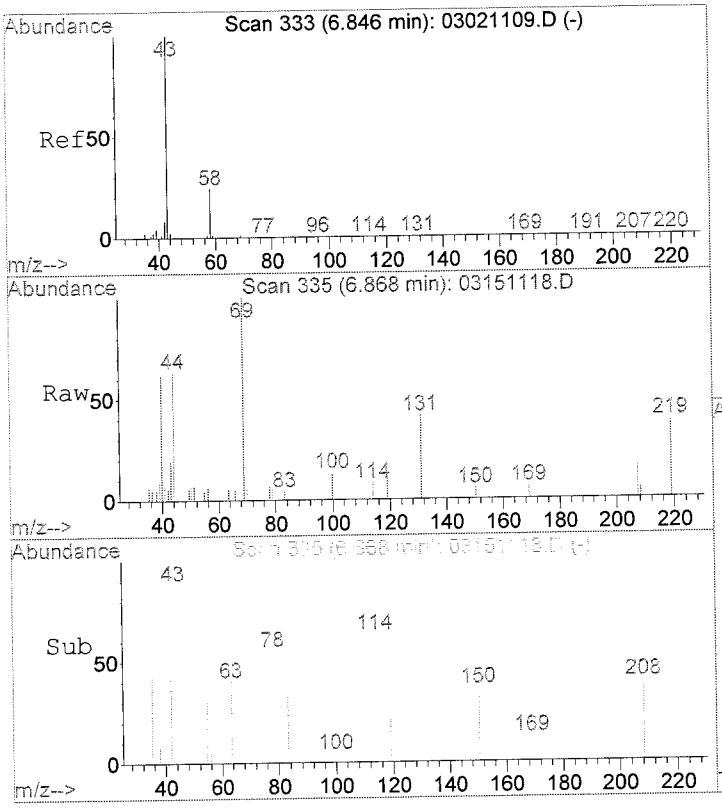


#8
Bromomethane
Concen: 0.87 ug/L
RT: 5.69 min Scan# 195
Delta R.T. 0.02 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 94 Resp: 452

Ion	Ratio	Lower	Upper
94	100		
96	70.4	79.5	119.3#

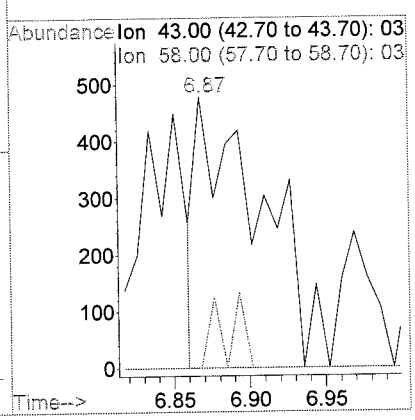


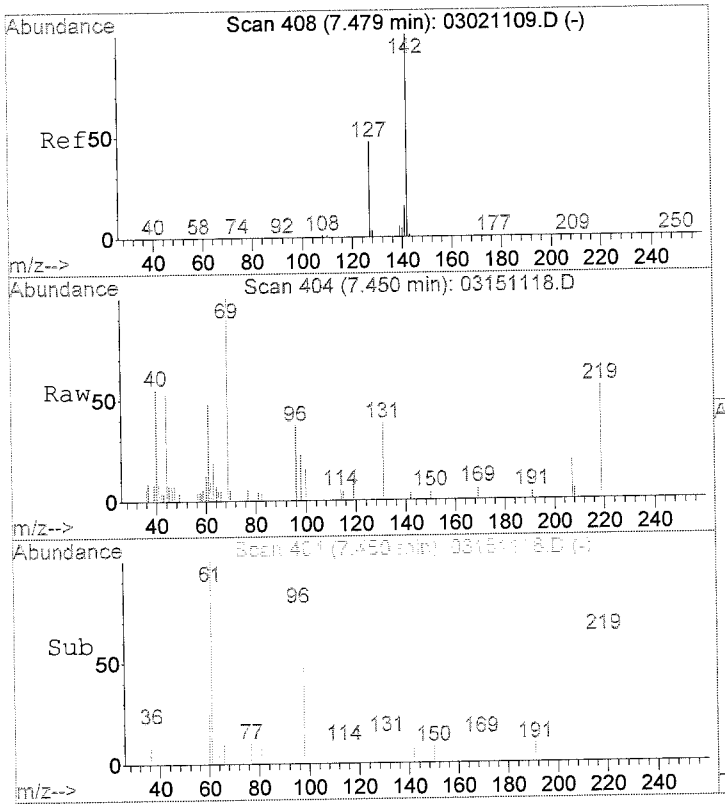


#11
Acetone
Concen: 0.49 ug/L
RT: 6.87 min Scan# 335
Delta R.T. 0.04 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 43 Resp: 1435

Ion	Ratio	Lower	Upper
43	100		
58	9.1	17.0	25.6#

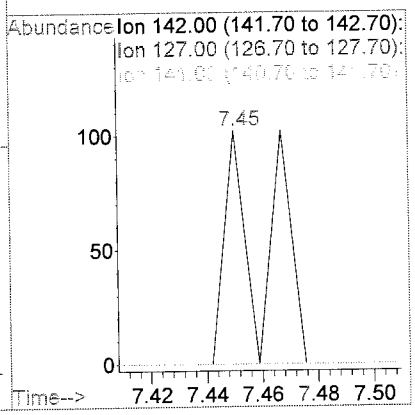




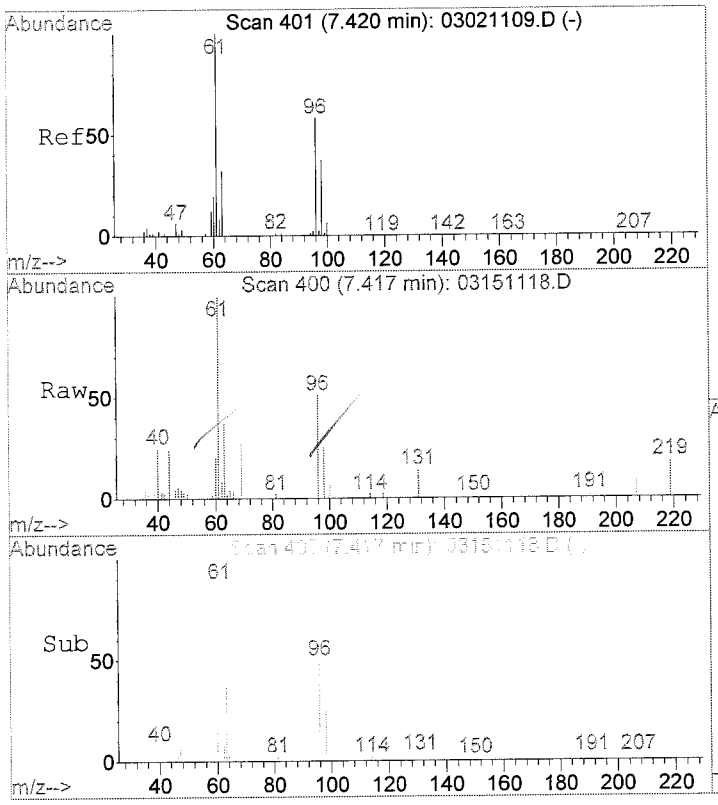
#12
Iodomethane
Concen: 1.80 ug/L
RT: 7.45 min Scan# 404
Delta R.T. -0.01 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion:142 Resp: 103

Ion	Ratio	Lower	Upper
142	100		
127	0.0	44.9	67.3#
141	0.0	13.1	19.7#



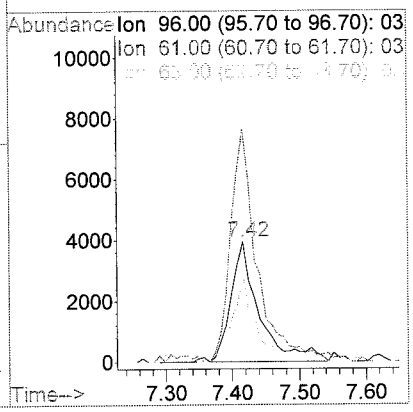
NSM

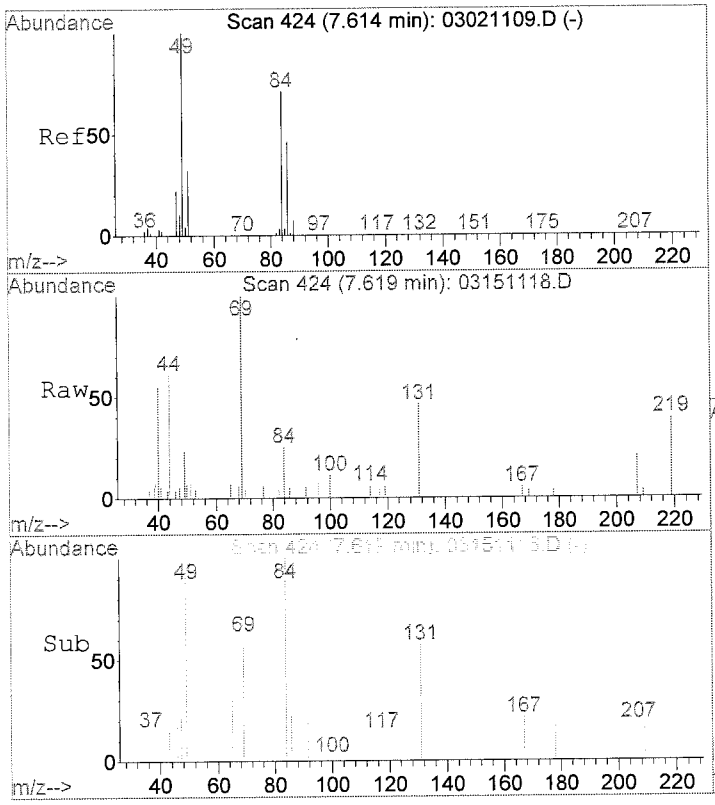


#13
1,1-Dichloroethene
Concen: 0.84 ug/L
RT: 7.42 min Scan# 400
Delta R.T. 0.01 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 96 Resp: 11562

Ion	Ratio	Lower	Upper
96	100		
61	183.1	147.6	221.4
63	62.1	47.0	70.4

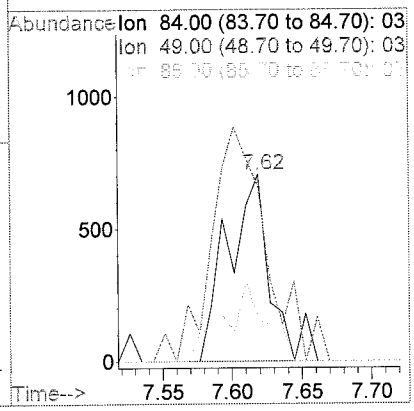


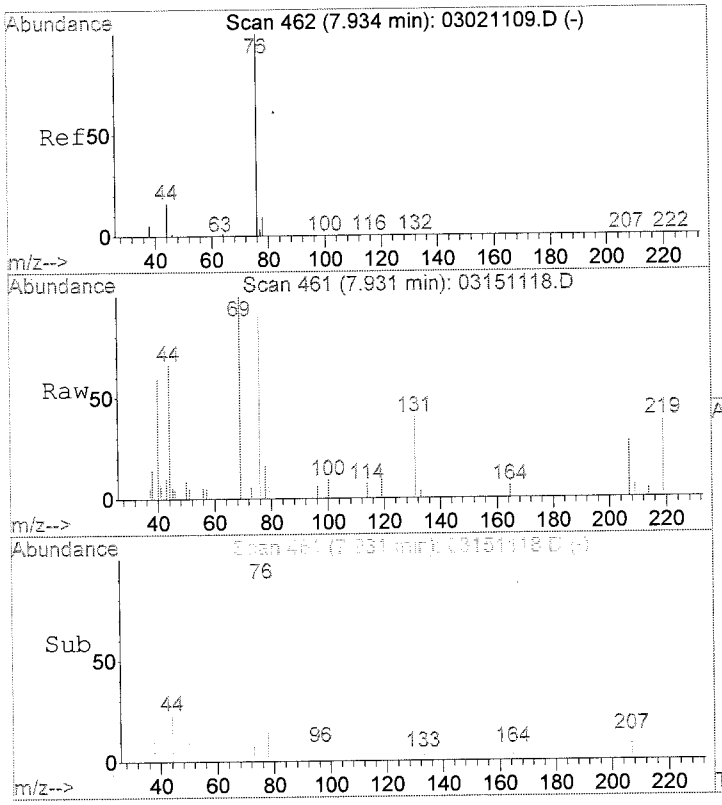


#14
Methylene chloride
Concen: 0.09 ug/L
RT: 7.62 min Scan# 424
Delta R.T. 0.02 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 84 Resp: 1497

Ion	Ratio	Lower	Upper
84	100		
49	163.1	116.7	175.1
86	41.6	50.2	75.2#

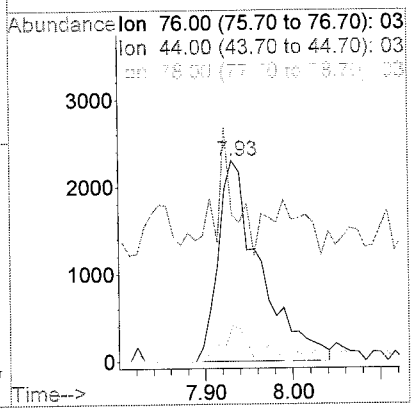


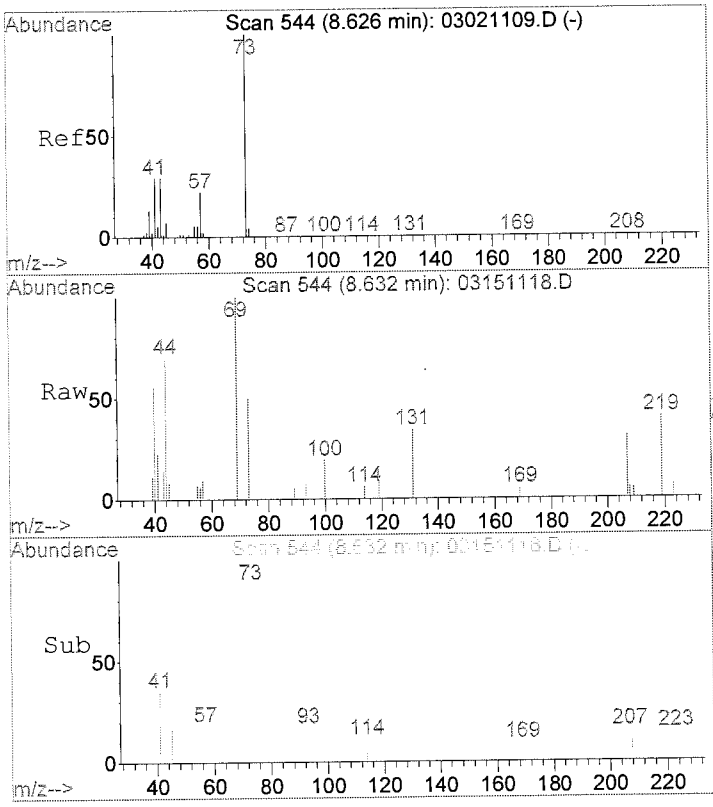


#16
Carbon disulfide
Concen: 0.20 ug/L
RT: 7.93 min Scan# 461
Delta R.T. 0.01 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 76 Resp: 7705

Ion	Ratio	Lower	Upper
76	100		
44	35.4	15.0	22.4#
78	9.4	7.2	10.8

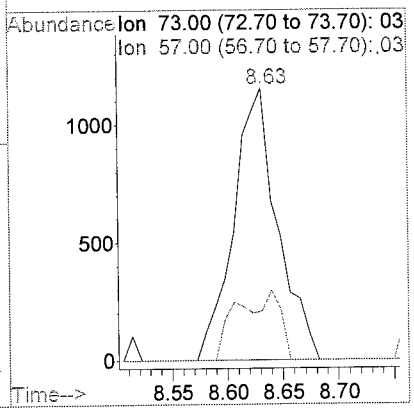


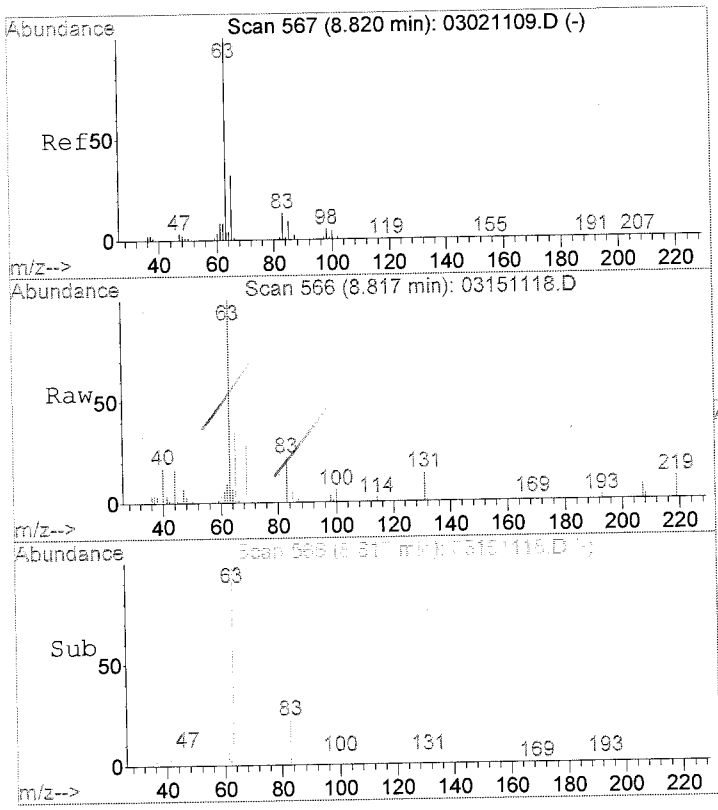


#18
MTBE
Concen: 0.11 ug/L
RT: 8.63 min Scan# 544
Delta R.T. 0.01 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 73 Resp: 3170

Ion	Ratio	Lower	Upper
73	100		
57	11.4	17.0	25.6#

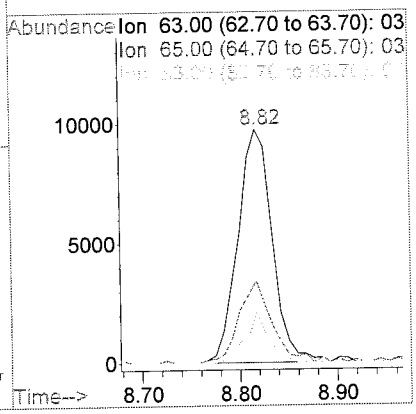


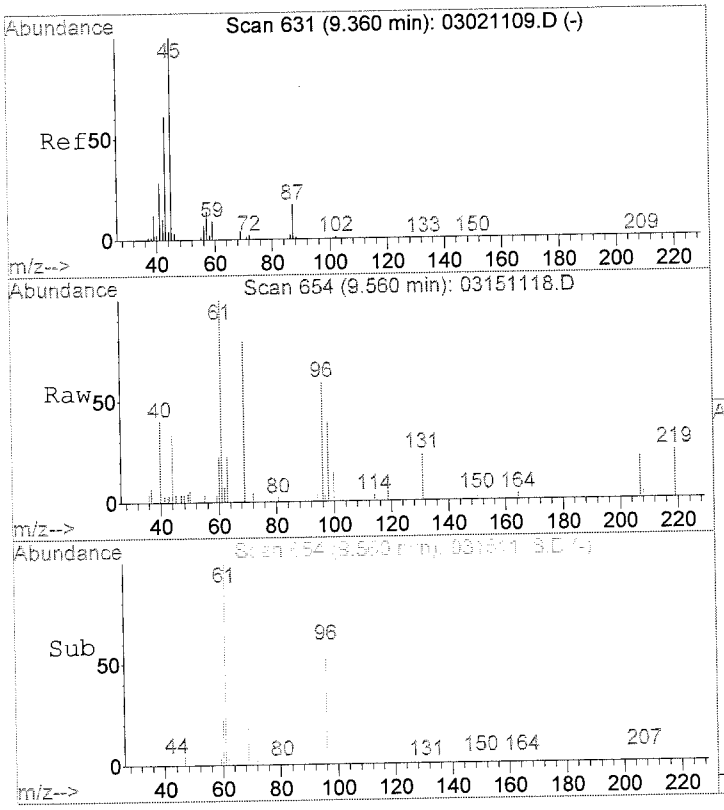


#19
1,1-Dichloroethane
Concen: 0.83 ug/L
RT: 8.82 min Scan# 566
Delta R.T. 0.01 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 63 Resp: 24088

Ion	Ratio	Lower	Upper
63	100		
65	34.4	25.3	37.9
83	14.9	11.3	16.9

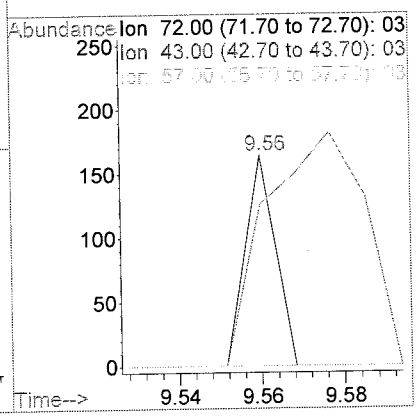


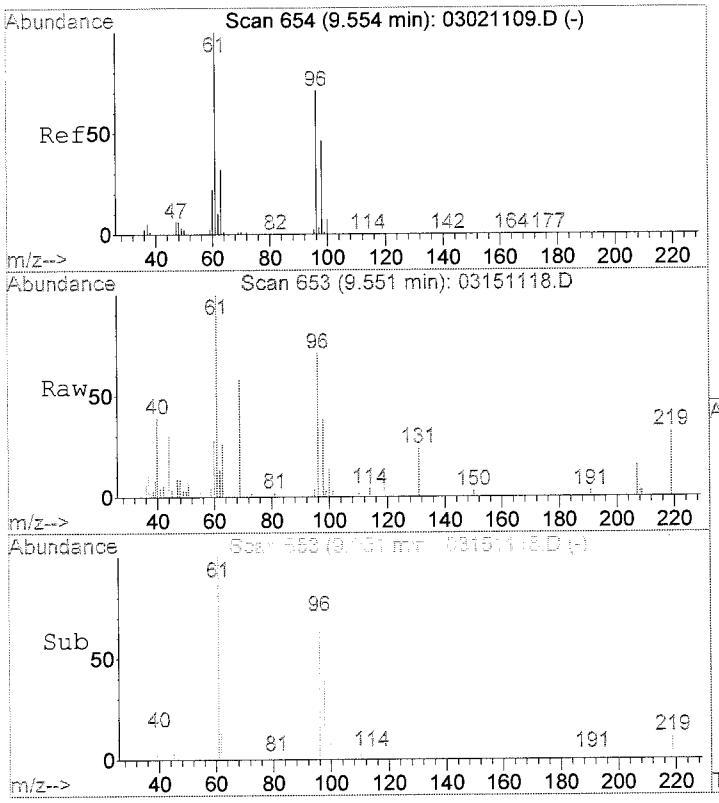


#22
2-Butanone (MEK)
Concen: 0.11 ug/L
RT: 9.56 min Scan# 654
Delta R.T. 0.22 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 72 Resp: 83

Ion	Ratio	Lower	Upper
72	100		
43	0.0	4526.1	6789.1#
57	0.0	0.0	0.0

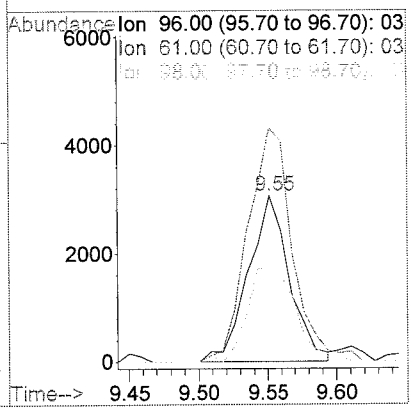


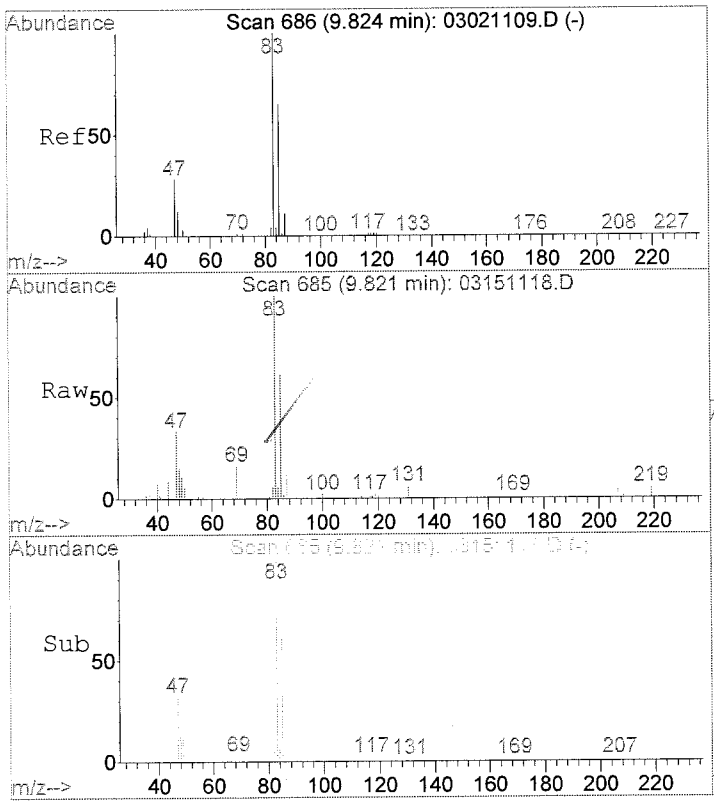


#24
cis-1,2-dichloroethene
Concen: 0.38 ug/L
RT: 9.55 min Scan# 653
Delta R.T. 0.01 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 96 Resp: 6382

Ion	Ratio	Lower	Upper
96	100		
61	152.9	114.5	171.7
98	67.1	50.8	76.2

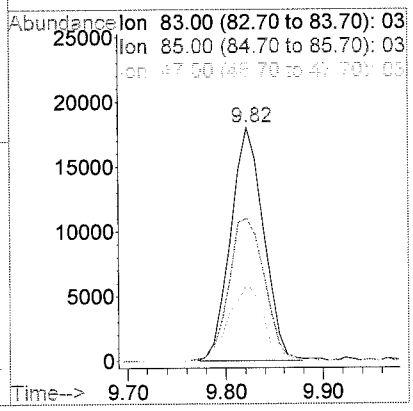


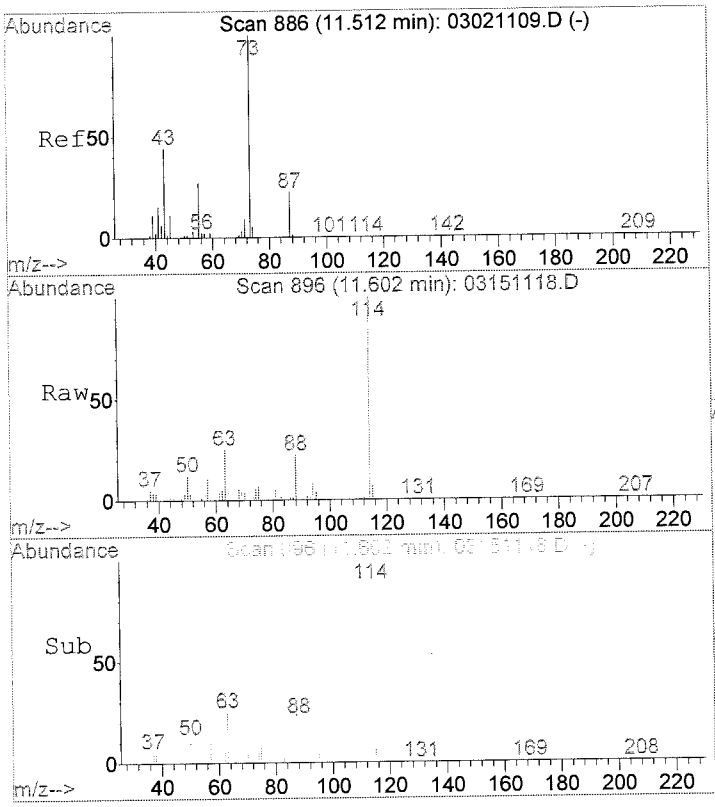


#26
Chloroform
Concen: 1.37 ug/L
RT: 9.82 min Scan# 685
Delta R.T. 0.01 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 83 Resp: 42362

Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.4	78.6
47	33.9	25.3	37.9

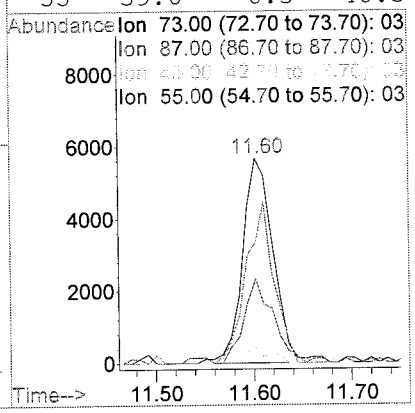


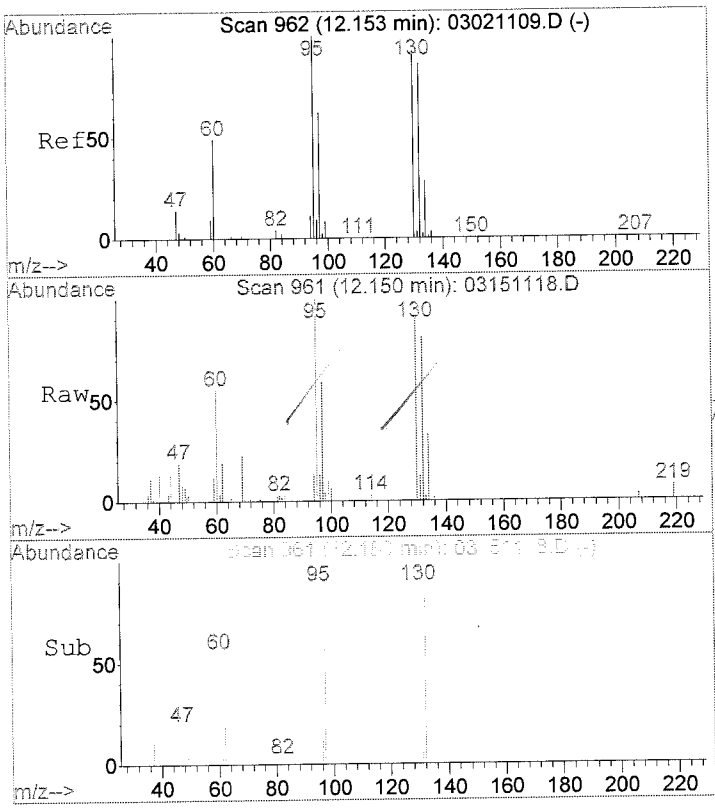


#32
(TAME) tert-Amyl methy ether
Concen: 0.44 ug/L
RT: 11.60 min Scan# 896
Delta R.T. 0.10 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 73 Resp: 12460

Ion	Ratio	Lower	Upper
73	100		
87	71.2	4.2	44.2#
43	6.8	26.6	66.6#
55	39.0	8.3	48.3

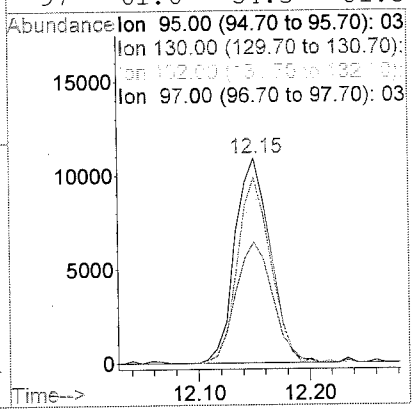


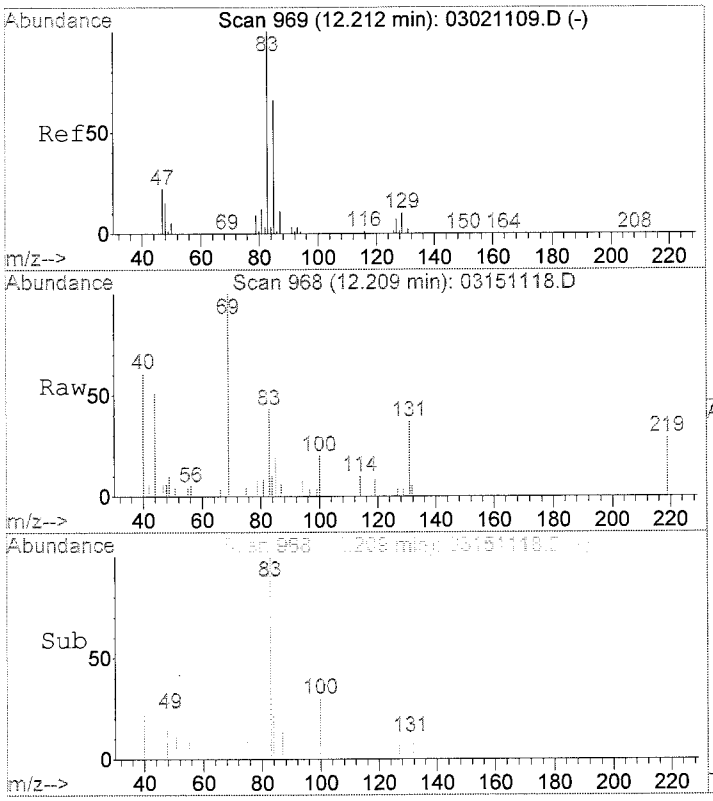


#39
Trichloroethene
Concen: 1.64 ug/L
RT: 12.15 min Scan# 961
Delta R.T. 0.01 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 95 Resp: 24129

Ion	Ratio	Lower	Upper
95	100		
130	85.8	70.3	105.5
132	83.4	68.5	102.7
97	61.6	54.3	81.5

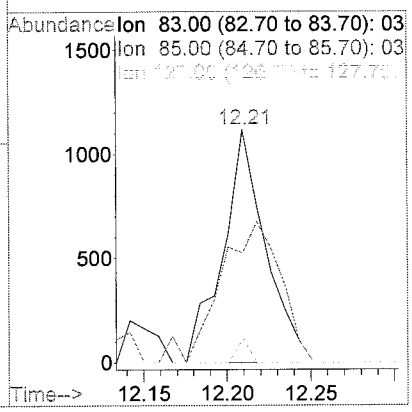


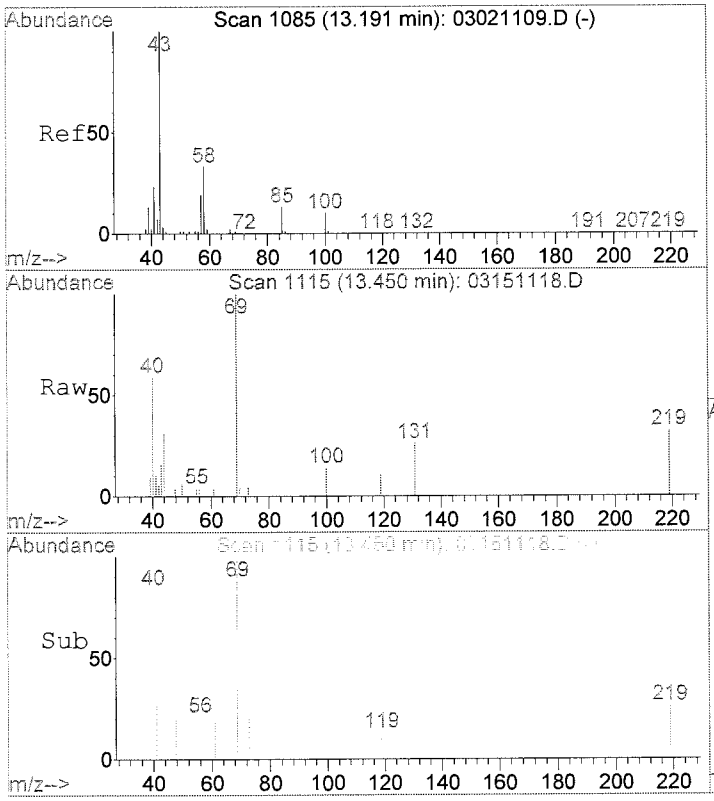


#40
Bromodichloromethane
Concen: 0.11 ug/L
RT: 12.21 min Scan# 968
Delta R.T. 0.01 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 83 Resp: 1961

Ion	Ratio	Lower	Upper
83	100		
85	86.7	52.3	78.5#
127	3.0	6.5	9.7#

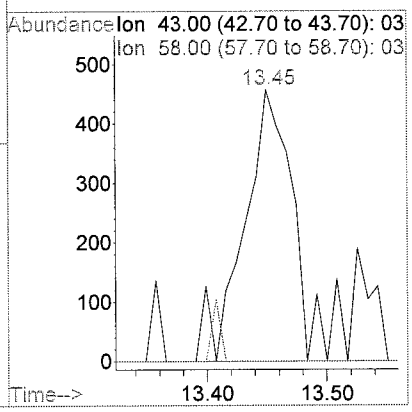


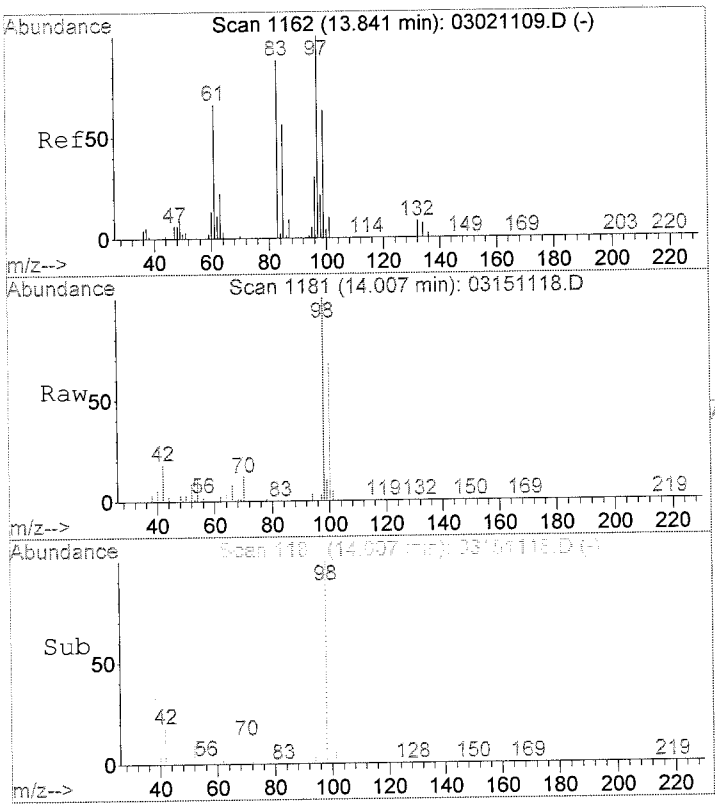


#43
4-Methyl-2-pentanone (MIBK)
Concen: 0.22 ug/L
RT: 13.45 min Scan# 1115
Delta R.T. 0.28 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 43 Resp: 1287

Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.9	37.3#

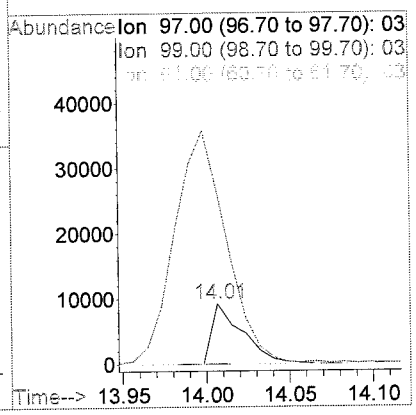




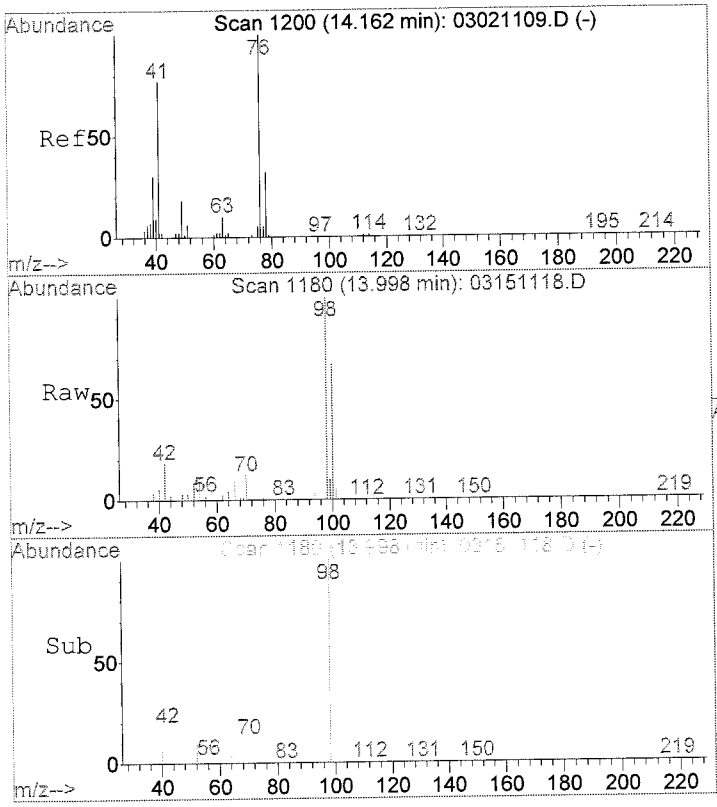
#45
1,1,2-Trichloroethane
Concen: 1.50 ug/L
RT: 14.01 min Scan# 1181
Delta R.T. 0.18 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 97 Resp: 11847

Ion	Ratio	Lower	Upper
97	100		
99	657.2	50.6	76.0#
61	1.9	60.0	90.0#



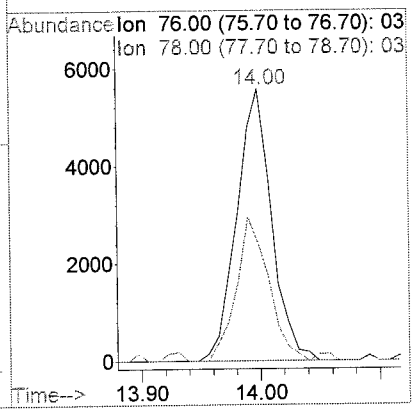
WRT



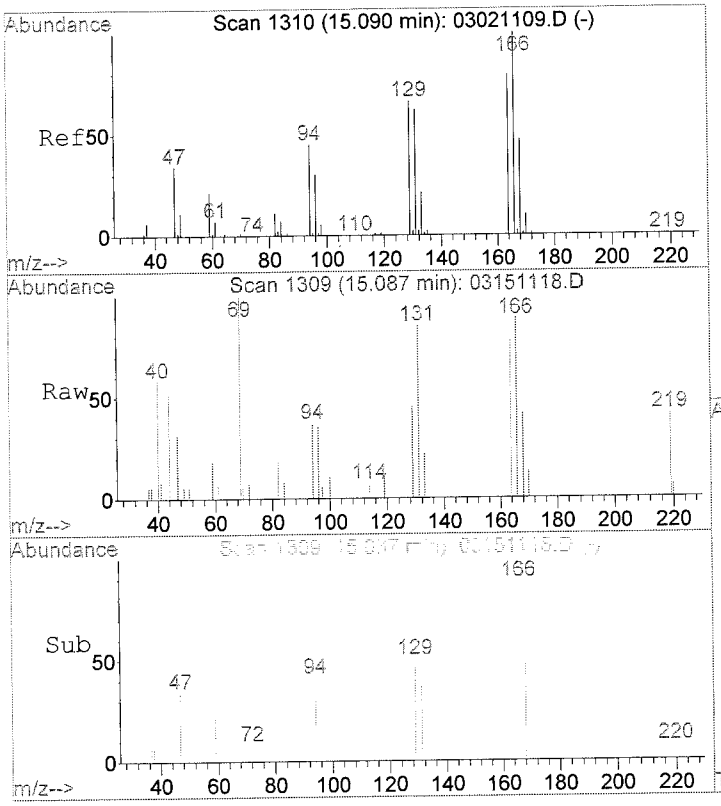
#49
1,3-Dichloropropane
Concen: 0.86 ug/L
RT: 14.00 min Scan# 1180
Delta R.T. -0.15 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 76 Resp: 11331

Ion	Ratio	Lower	Upper
76	100		
78	49.4	25.0	37.6#



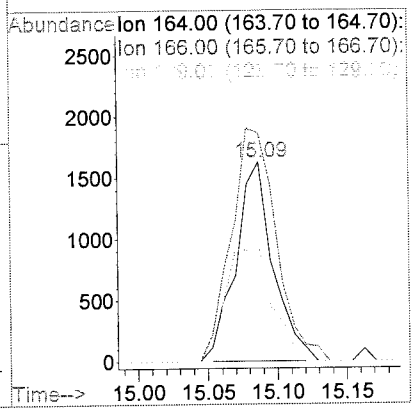
WRT

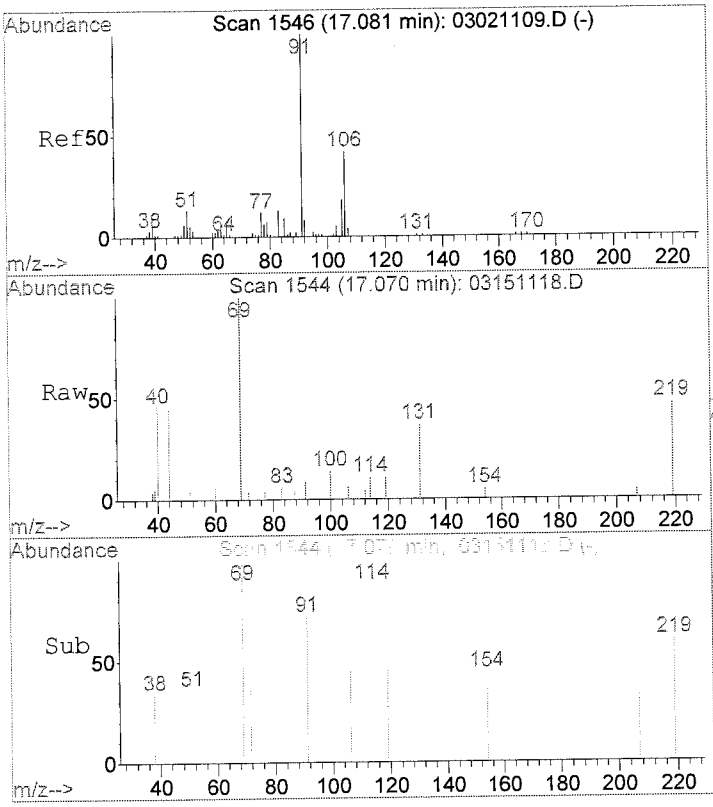


#53
Tetrachloroethene
Concen: 0.26 ug/L
RT: 15.09 min Scan# 1309
Delta R.T. 0.01 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion:164 Resp: 3056

Ion	Ratio	Lower	Upper
164	100		
166	141.0	104.6	157.0
129	68.8	65.2	97.8

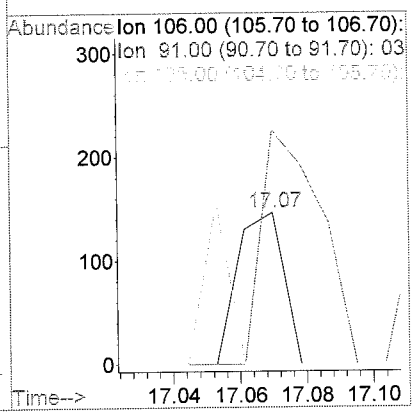


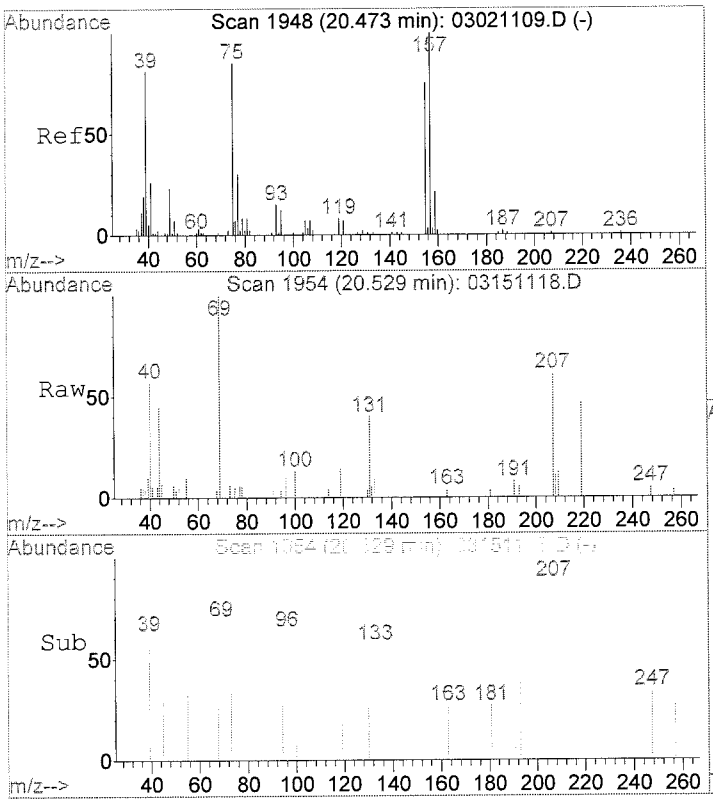


#59
o-Xylene
Concen: Below Cal
RT: 17.07 min Scan# 1544
Delta R.T. 0.01 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion:106 Resp: 140

Ion	Ratio	Lower	Upper
106	100		
91	200.0	222.7	262.7#
105	56.4	22.9	62.9

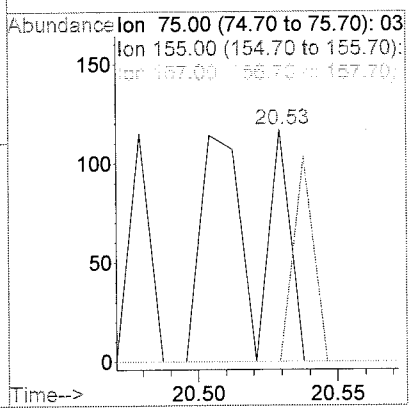




#79
1,2-Dibromo-3-chloropropane
Concen: 0.12 ug/L
RT: 20.53 min Scan# 1954
Delta R.T. 0.08 min
Lab File: 03151118.D
Acq: 15 Mar 2011 3:44 pm

Tgt Ion: 75 Resp: 171

Ion	Ratio	Lower	Upper
75	100		
155	30.4	67.3	100.9#
157	0.0	89.6	134.4#



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

DIGESTION and/or EXTRACTION

METHOD: EPA 3520C

Work Order:

PUC0635-01,02 & 03

TestAmerica Phoenix ☐Check box if the back of the previous page is used for additional noted, comments, or calculations. The use of other scratch paper is strictly prohibited.

Extraction Date: 3-14-11 **Liquid/Liquid Extraction Record** Test Code: 1,4 Dioxane

LIMS Batch No: BNA03/011A Element No.: 11C0426 Analytical Method: 3520-BNA

Solvent/Lot No.1. DCM/J45501 2. — Final Sol.: DCM/J45501 Na_2SO_4 Lot #: NA

Acid/Base/Lot No.1. — 2. — 3. —

Surrogate: Mod 8270 Conc. 200ppm Volume: 100ml Std. ID#: PU61K7 Exp Date 8-24-11

Spike #1: 1,4Dioxane Conc. 100ppm Volume: 200ml Std. ID#: P05700 Exp Date 10-31-13

Spike #2: — Conc. — Volume: — Std. ID#: — Exp Date —

Spike #3: — Conc. — Volume: — Std. ID#: — Exp Date —

Spike #4: — Conc. — Volume: — Std. ID#: — Exp Date —

Start Time: 1640 End Time: 1930 3/14/11 Spiked By: TA Spike Witness: KP

K-D'd by: DM/JG E-vap'd by: DM Solvent Ex'd by: NA Brought to V_f & Vialed by: a

	Sample #	RE	Sample Frac.	pH[1]		Initial Vol/Wt (mLs/g)	Final Vol. (mLs)	K-D'd (√)	Evp'd (√)	Clean Up[2]	Color	Sample linked at:
1	MB	NA	NA	5	NA	1L	1	√	√	NA	clear	NA
2	LCS			5		1L	1	√	√		clear	
3	LCSD			5		1L	1	√	√		clear	
4	~~MS~~ PU0635-1		D	7		1L	1	√	√		clear	
5	~~MSD~~ PU0635-2		E	7		1L	1	√	√		clear	
6	~~RLV~~ PU0635-3		D	7		1L	1	√	√		clear	
7	PU0637-1		D	7		1L	1	√	√		clear	
8	PU0637-4		D	7		1L	1	√	√		clear.	
9	PU0637-7		D	7	√	1L	1	√	√		clear	
10												
11												
12												
13												
14												
15												
16												
17						3/14/11						
18				C								
19												
20												
21												
22												
23												
24												
25												

[1]Sample pH / Adjusted pH; [2]AW is Acid Wash, DW is DCM wash.

a = Acid Fraction, b = base/neutral fraction

☒ Insufficient Sample for MS/MSD ___ MS/MSD Designated ___ MS/MSD Chosen ☑ Sample Container(s) Shaken & Rinsed with Solvent

Sample Extracts located in: Box# _____ Row(s) & Numbers _____ BNA Freezer ☒ SVOA's Fridge ____

Comments: _____

Reviewer Signature: _____ Date: _____

PREPARATION BENCH SHEET

11C0426

TestAmerica Phoenix

Printed: 3/16/2011 1:22:10PM

Matrix: Water **'repared using: N_GCMS Semivolatiles - N_EPA 3520(** **Surrogate used: PU01147**

Lab Number	C	Analysis	Prepared	Initial (ml)	Final (ml)	Source ID	Spike 1	ul Spike	Spike 2	ul Spike	ul Surrogate	Initials			Extraction Comments
11C0426-BLK1		QC	03/11/11 16:40	1000	1						100				
11C0426-BS1		QC	03/11/11 16:40	1000	1		PT05700	200			100				
11C0426-BSD1		QC	03/11/11 16:40	1000	1		PT05700	200			100				
PUC0635-01	D	N_1,4-Dioxane (SW82	03/11/11 16:40	1000	1						100				LEVEL 3 DP
PUC0635-02	E	N_1,4-Dioxane (SW82	03/11/11 16:40	1000	1						100				LEVEL 3 DP
PUC0635-03	D	N_1,4-Dioxane (SW82	03/11/11 16:40	1000	1						100				LEVEL 3 DP
PUC0637-01	D	N_1,4-Dioxane (SW82	03/11/11 16:40	1000	1						100				
PUC0637-02	D	N_1,4-Dioxane (SW82	03/11/11 16:40	1000	1						100				
PUC0637-04	D	N_1,4-Dioxane (SW82	03/11/11 16:40	1000	1						100				

Reagents used in Batch

Reagent	Description	Solvent

230 of 326

Spiking essed By Date

C Tai 3/16/11

Preparation Reviewed By Date

Extracts Received By Date

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CALIBRATION DATA

METHOD

MODIFIED EPA 8270C

DATE: 01/05/11

Work Order: PUC0635-01,02 & 03

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Phoenix

SOP No. PE-QAD-022, Rev. 0
Effective Date: 08/18/2008
Page No.: 1 of 1

Attachment 1

INITIAL CALIBRATION CURVE CHECKLIST

Department: Semivoa	Method: Mod. 8270 C	Instrument#: C cms 14
Analyst: C-Lauri	Analysis Date: 01-05-11	

Method name saved in the file: DIUPANE\010511.m

1. How many calibration points were used? 3, 4, 5, 6, 7, 8, (9) 10, 11, 12
2. Did the calibration curve pass the method criteria? (Y) N
3. Were any points of the curve removed or replaced? Y (N)
   If yes, what points were removed or replaced: lowest middle highest
   Why?
4. Were any individual analyte points removed? Y (N)
   If yes, what points were removed or replaced: lowest middle highest
   List of the analytes:
   Why?
5. Circle the calibration model used (you may circle one or more):
   - ☑ Average Response Factor
   - ☐ Linear Regression / not forced through zero / simple linear
     - ☐ Equal weighting
     - ☐ Inverse of concentration
     - ☐ Inverse of square of concentration
   - ☐ Linear Regression / forced through zero
   - ☐ 2nd Order Regression (Quadratic) / not forced through zero
     - ☐ Equal weighting
     - ☐ Inverse of concentration
     - ☐ Inverse of square of concentration
6. Did the calibration meet the Good Documentation Practices SOP requirements: (Y) N

Review Signatures:	Analyst: C Lauri	Date: 1-5-11
	Reviewer: Jessica Breuer	Date: 01/05/11

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Phoenix

SOP No. PE-QAD-022, Rev. 1
Effective Date: 09/30/2010
Page No.: 1 of 1

Attachment 1

INITIAL CALIBRATION CURVE CHECKLIST

Department: Semivol	Method: Mod. 8270C	Instrument #: GCMS19
Analyst: C. Lauria	Analysis Date: ~~3/25/11~~ 01/05/11	3/21/11

Method name saved in the file: DIPGAME\010511D.m

1. How many calibration points were used? 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
2. Did the calibration curve pass the method criteria? Y N
3. Were any points of the curve removed or replaced? Y N

   If yes, what points were removed or replaced: lowest middle highest

   Why?

4. Were any individual analyte points removed? Y N

   If yes, what points were removed or replaced: lowest middle highest

   List of the analytes:

   Why? update due to RT-shift.

5. Circle the calibration model used (you may circle one or more)
   - ☐ Average Response Factor
   - ☐ Linear Regression / not forced through zero / simple linear
     - ☐ Equal weighting
     - ☐ Inverse of concentration
     - ☐ Inverse of square of concentration
   - ☐ Linear Regression / forced through zero
   - ☐ 2nd Order Regression (Quadratic) / not forced through zero
     - ☐ Equal weighting
     - ☐ Inverse of concentration
     - ☐ Inverse of square of concentration
6. Did the calibration meet the Good Documentation Practices SOP requirements: Y N

Review Signatures:	Analyst: C Lau	Date: 3/01/2011
	Reviewer: Jessica Beuchert	Date: 03/01/11

EPA 8270C Modified 1,4-Dioxane by Isotope Dilution, Extraction & GC/MS Analysis
Data Review Checklist (Example)

ANALYSIS DATE: 01-05-11

	MEETS CRITERIA?
1. DFTPP (50ng) VERIFY MEETS CRITERIA EVERY 12 HOURS DIOXANE	Y / N
2. INITIAL CALIBRATION CURVE (MIN. 5 LEVELS) DATE: 01051 1.M	Y / N
- SPCC N-NITROSODI-N-PROPYLAMINE MUST MEET MIN. RF 0.05	Y / N
- CCC 1,4-DICHLOROBENZENE < 30% RSD, 1,4-DIOXANE ≤ 20% RSD	Y / N
- ALL OTHER COMPOUNDS < 15% RSD OR USE CURVE (r^2 > 0.990)	Y / N
TAILING FACTOR B/N BENZIDENE: 3.0	Y / N
3. INITIAL CALIBRATION VERIFICATION (SEC. SOURCE) ANALYZED	Y / N
4. CONTINUING CALIBRATION CHECK (EVERY 12 HOURS)	
- SPCC N-NITROSODI-N-PROPYLAMINE MUST MEET MIN. RF 0.05	Y / N
- CCC 1,4-DICHLOROBENZENE < 20% D; 1,4-DIOXANE ≤ 20%	Y / N
- IS 1,4-DCB-d4 AREA –50% TO –100% TO MID-POINT IN I. CAL	Y / N
- IS 1,4-DCB-d4 RT ± 30 SEC. TO MID-POINT IN INITIAL CALIB.	Y / N
- TAILING FACTOR B/N BENZIDENE. 3.0	Y / N
5. METHOD BLANK	
- ANALYZE ONE PER BATCH (< 20 SAMPLES)	Y / N
- 1,4-DIOXANE MUST BE < REPORTING LIMIT	Y / N
6. LCS/LCSD WITHIN LIMITS	
- MUST BE ANALYZED PER 20 SAMPLES/BATCH	Y / N
- % RECOVERY WITHIN 80 – 120% LIMITS	Y / N
- RPD WITHIN LIMITS (≤ 25 RPD)	Y / N

Continued on next page

SOP Number/Revision: 05-020.03

TITLE: EPA 8270C Modified 1,4-Dioxane By Isotope Dilution, Extraction and GC-MS Analysis

Date Issued: March 2007

Expiration Date: March 2009

NOT TO BE PHOTOCOPIED

7. MS/MSD
   - MUST BE ANALYZED PER 20 SAMPLES/BATCH Y / N
   - % RECOVERY WITHIN 70 – 130% LIMITS Y / N
   - RPD WITHIN LIMITS (≤ 25 RPD) Y / N

8. SAMPLES
   - EXTRACTED WITHIN 7 DAYS OF SAMPLING Y / N
   - ANALYZED WITHIN 40 DAYS OF EXTRACTION Y / N
   - IS 1,4-DCB-d4 RT ± 30 SECs AND IS AREA –50% TO +100% TO CONT. CAL Y / N
   - SURROGATE RECOVERIES WITHIN LIMITS Y / N

9. TUNE INJECTED WITHIN 12hr TIME PERIOD (Y) N

COMMENTS

ANALYST: DATE: 1-5-11

REVIEWER: DATE:

Response Factor Report GCMS14

Method Path : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥
Method File : 010511.M
Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
Last Update : Wed Jan 05 13:29:49 2011
Response Via : Initial Calibration

Calibration Files
1 =01051106.D 2 =01051107.D 3 =01051108.D 4 =01051109.D 5 =01051110.D 6 =01051111.D 7 =01051112.D 8 =01051113.D
9 =01051114.D

	Compound	1	2	3	4	5	6	7	8	9	Avg	%RSD
1) I	1,4-Dioxane-d8	----------ISTD----------										
2) C	1,4-Dioxane	0.973	1.050	1.052	1.067	1.050	1.011	0.998	1.018	0.940	1.018	4.12
3) I	1,4-Dichlorobenzen...	----------ISTD----------										
4) C*	1,4-Dichlorobe...	1.651	1.666	1.745	1.716	1.666	1.657	1.608	1.594	1.496	1.644	4.43
5) P	N-Nitrosodi-n-...	1.075	1.120	1.247	1.256	1.255	1.224	1.213	1.195	1.171	1.195	5.28
6) S	Nitrobenzene-d5	1.669	1.711	1.924	1.883	1.869	1.811	1.804	1.761	1.697	1.792	4.99

(#) = Out of Range

G 1.5.11

TC 010511

Response Factor Report GCMS14

Method Path : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥
Method File : 010511D.M
Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
Last Update : Mon Feb 28 10:27:25 2011
Response Via : Initial Calibration

update RT shift on 2-28-11

Calibration Files
1 =01051106.D 2 =01051107.D 3 =01051108.D 4 =01051109.D 5 =01051110.D 6 =01051111.D 7 =01051112.D 8 =01051113.D
9 =01051114.D

		Compound	1	2	3	4	5	6	7	8	9	Avg	%RSD
1)	I	1,4-Dioxane-d8	----------ISTD----------										
2)	C	1,4-Dioxane	0.973	1.050	1.052	1.067	1.050	1.011	0.998	1.018	0.940	1.018	4.12
3)	I	1,4-Dichlorobenzen...	----------ISTD----------										
4)	C*	1,4-Dichlorobe...	1.651	1.666	1.745	1.716	1.666	1.657	1.608	1.594	1.496	1.644	4.43
5)	P	N-Nitrosodi-n-...	1.075	1.120	1.247	1.256	1.255	1.224	1.213	1.195	1.171	1.195	5.28
6)	S	Nitrobenzene-d5	1.669	1.711	1.924	1.883	1.869	1.811	1.804	1.761	1.697	1.792	4.99

(#) = Out of Range

Calibration Status Report GCMS14

Method Path : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\
Method File : 010511.M
Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
Last Update : Wed Jan 05 13:29:49 2011
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	1	1	20	D:\msdchem\1\GCMS14\DATA\010511\01051106.D
2	2	1	20	D:\msdchem\1\GCMS14\DATA\010511\01051107.D
3	3	2	20	D:\msdchem\1\GCMS14\DATA\010511\01051108.D
4	4	4	20	D:\msdchem\1\GCMS14\DATA\010511\01051109.D
5	5	10	20	D:\msdchem\1\GCMS14\DATA\010511\01051110.D
6	6	20	20	D:\msdchem\1\GCMS14\DATA\010511\01051111.D
7	7	30	20	D:\msdchem\1\GCMS14\DATA\010511\01051112.D
8	8	40	20	D:\msdchem\1\GCMS14\DATA\010511\01051113.D
9	9	100	20	D:\msdchem\1\GCMS14\DATA\010511\01051114.D
10	CC	10	20	D:\msdchem\1\GCMS14\DATA\010511\01051110.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Jan 05 13:28 2011	Jan 05 11:25 2011	1/05/11
2	2	Jan 05 13:28 2011	Jan 05 11:44 2011	
3	3	Jan 05 13:28 2011	Jan 05 11:54 2011	
4	4	Jan 05 13:28 2011	Jan 05 12:19 2011	
5	5	Jan 05 13:28 2011	Jan 05 12:20 2011	
6	6	Jan 05 13:28 2011	Jan 05 12:43 2011	
7	7	Jan 05 13:28 2011	Jan 05 12:57 2011	
8	8	Jan 05 13:28 2011	Jan 05 13:09 2011	
9	9	Jan 05 13:28 2011	Jan 05 13:26 2011	
10	CC	Jan 05 13:29 2011	Jan 05 12:20 2011	

1.5-11

010511.M Wed Jan 05 13:33:03 2011

Calibration Status Report GCMS14

Method Path : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\
Method File : 010511D.M
Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
Last Update : Mon Feb 28 10:27:25 2011
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	1	1	20	D:\msdchem\1\GCMS14\DATA\010511\01051106.D
2	2	1	20	D:\msdchem\1\GCMS14\DATA\010511\01051107.D
3	3	2	20	D:\msdchem\1\GCMS14\DATA\010511\01051108.D
4	4	4	20	D:\msdchem\1\GCMS14\DATA\010511\01051109.D
5	5	10	20	D:\msdchem\1\GCMS14\DATA\010511\01051110.D
6	6	20	20	D:\msdchem\1\GCMS14\DATA\010511\01051111.D
7	7	30	20	D:\msdchem\1\GCMS14\DATA\010511\01051112.D
8	8	40	20	D:\msdchem\1\GCMS14\DATA\010511\01051113.D
9	9	100	20	D:\msdchem\1\GCMS14\DATA\010511\01051114.D
10	CC	10	20	R:\022511\02251108.D used to update due to RT shift

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Jan 05 13:28 2011	Jan 05 11:25 2011	1/05/2011
2	2	Jan 05 13:28 2011	Jan 05 11:44 2011	
3	3	Jan 05 13:28 2011	Jan 05 11:54 2011	
4	4	Jan 05 13:28 2011	Jan 05 12:19 2011	
5	5	Jan 05 13:28 2011	Jan 05 12:20 2011	
6	6	Jan 05 13:28 2011	Jan 05 12:43 2011	
7	7	Jan 05 13:28 2011	Jan 05 12:57 2011	
8	8	Jan 05 13:28 2011	Jan 05 13:09 2011	
9	9	Jan 05 13:28 2011	Jan 05 13:26 2011	
10	CC	Feb 28 10:27 2011	Feb 28 10:27 2011	25 Feb 2011 6:23 pm

a 2/28/11

010511D.M Mon Feb 28 10:59:27 2011

3/30/11

Compound List Report GCMS14

Method Path : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\
Method File : 010511.M
Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
Last Update : Wed Jan 05 13:29:49 2011
Response Via : Initial Calibration

Total Cpnds : 6

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	1,4-Dioxane-d8	96	2.975	1.000	A	1	A	B
2	C	1,4-Dioxane	88	3.028	1.018	A	2	A	B
3	I	1,4-Dichlorobenzene-d4	152	6.092	1.000	A	0	A	B
4	C*	1,4-Dichlorobenzene	146	6.104	1.002	A	1	A	B
5	P	N-Nitrosodi-n-propylamine	70	6.422	1.054	A	1	A	B
6	S	Nitrobenzene-d5	82	6.557	1.076	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

)10511.M Wed Jan 05 13:33:14 2011

Sample Name 10ug/mL PU00063
Data File Name 01051110.D
Data File Path D:\msdchem\1\GCMS14\DATA\010511\
Operator CL
Date Acquired 1/5/2011 12:12
Misc Info 1,4-DIOXANE
Instrument Name GCMS14

10ug/mL PU00063
01051110.D
D:\msdchem\1\GCMS14\DATA\010511\
DIOX010511.m

	CCV Response	ICAL Response	0.5X	2X	PASS/FAIL
Internal Standard					
1,4-Dichlorobenzene-d4	243008	243008	121504	486016	PASS

Internal Standard	RT	RT	-0.5min	+0.5min	
1,4-Dichlorobenzene-d4	6.09	6.09	5.59	6.59	PASS

update
a 1-5-11

MOS

Sample Name 10ug/mL PU00063
Data File Name 01051110.D
Data File Path D:\msdchem\1\GCMS14\DATA\010511\
Operator CL
Date Acquired 1/5/2011 12:12
Misc Info 1,4-DIOXANE
Instrument Name GCMS14

10ug/mL PU00063
01051110.D
D:\msdchem\1\GCMS14\DATA\010511\

	NAME	RT	CCV RRT Value (Target/IS)	mid-RT 010511.M	AGREE -0.06	AGREE 0.06	PASS/FAIL
IS	1,4-Dioxane-d8	2.975					
	1,4-Dioxane	3.028	1.0178	1.0178	0.9578	1.0778	<-PASS
IS	1,4-Dichlorobenzene-d4	6.092					
	1,4-Dichlorobenzene	6.104	1.0019	1.0019	0.9419	1.0619	<-PASS
	N-Nitrosodi-n-propylamine	6.422	1.0541	1.0541	0.9941	1.1141	<-PASS
	Nitrobenzene-d5	6.557	1.0763	1.0763	1.0163	1.1363	<-PASS

Update only.
Added in Revised
Review checklist for
1,4-Dioxane

a 3-09-11.

BB 0911

TestAmerica
Phoenix

GCMS 14 - RUN LOGBOOK

Sequence Name: D:¥msdchem¥1¥GCMS14¥sequence¥010511.S
Comment:
Operator: CL
Data Path: D:¥MSDCHEM¥1¥GCMS14¥DATA¥010511¥
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line			Sample Name/Misc Info		
1)	Sample	1	01051101	DB5MS14	DCM
2)	Sample	2	01051102	DB5MS14	DCM
3)	Sample	3	01051103	DB5MS14	25ng tune pu00017
4)	Sample	4	01051104	DB5MS14	✓25ng TUNE PU00017
5)	Sample	5	01051105	DIOXANE	BLANK
6)	Sample	6	01051106	DIOXANE	0.5ug/mL PU00059
7)	Sample	7	01051107	DIOXANE	1.0ug/mL PU00060
8)	Sample	8	01051108	DIOXANE	2.0ug/mL PU00061
9)	Sample	9	01051109	DIOXANE	4.0ug/mL PU00062
10)	Sample	10	01051110	DIOXANE	10ug/mL PU00063
11)	Sample	11	01051111	DIOXANE	20ug/mL PU00064
12)	Sample	12	01051112	DIOXANE	30ug/mL PU00065
13)	Sample	13	01051113	DIOXANE	40ug/mL PU00066
14)	Sample	14	01051114	DIOXANE	100ug/mL PU0067
15)	Sample	15	01051115	DIOXANE	QCS10ug/mL PU00068
16)	Sample	1	01051116	DIOXANE	~~10ug/mL PU00063ccv~~
17)	Sample	2	01051117	DIOXANE	10ug/mL PU00063ccv
18)	Sample	3	01051118	DIOXANE	11A0067-BLK1
19)	Sample	4	01051119	DIOXANE	PTL1256-03RE1
20)	Sample	5	01051120	DIOXANE	PTL1256-04RE1
21)	Sample	6	01051121	DIOXANE	PTL1256-06RE1
22)	Sample	7	01051122	DIOXANE	PTL1256-07RE1
23)	Sample	8	01051123	DIOXANE	PTL1262-01RE1
24)	Sample	9	01051124	DIOXANE	PTL1262-02RE1
25)	Sample	10	01051125	DIOXANE	PTL1256-10
26)	Sample	11	01051126	DIOXANE	PTL1262-01
27)	Sample	12	01051127	DIOXANE	PTL1262-02

a 1/6/11

a 1-5-11

a 1-5-11 PCM

a 1-6-11

Sequence Reviewed By: a Date: 1-6-11

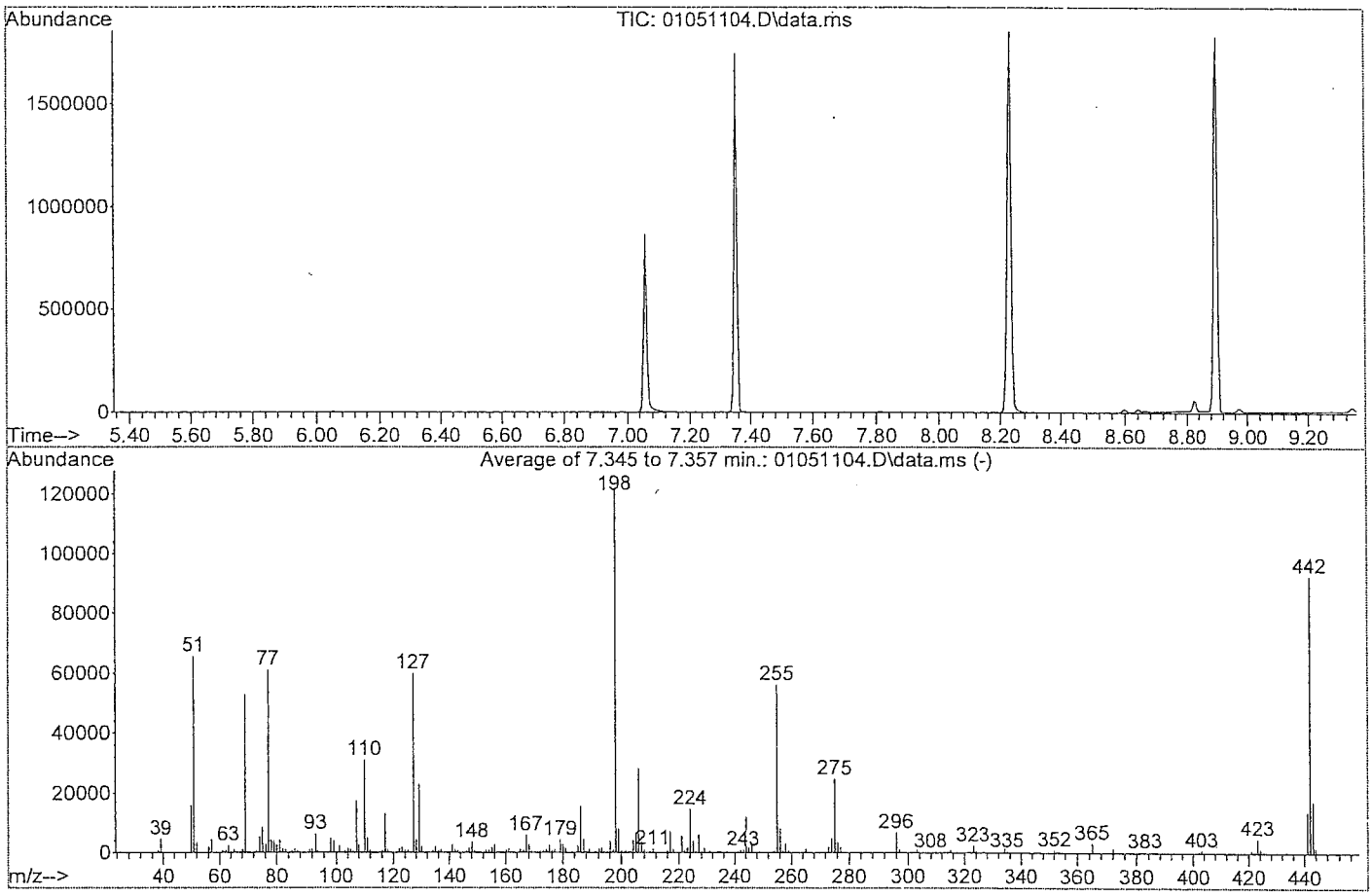
Date Analyzed: 1-6-11 Analyst: a Date Run: 1-5-11

DFTPP

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051104.D
Acq On : 5 Jan 2011 10:19 am
Operator : CL
Sample : 25ng TUNE PU00017
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: rteint.p

Method : D:¥msdchem¥1¥GCMS14¥METHODS¥TUNE8270.M
Title : DFTPP, TAILING EVA. :ACID<5.0, BN<3.0, DEG. <=20%
Last Update : Fri Sep 10 17:23:33 2010



AutoFind: Scans 963, 964, 965; Background Corrected with Scan 958

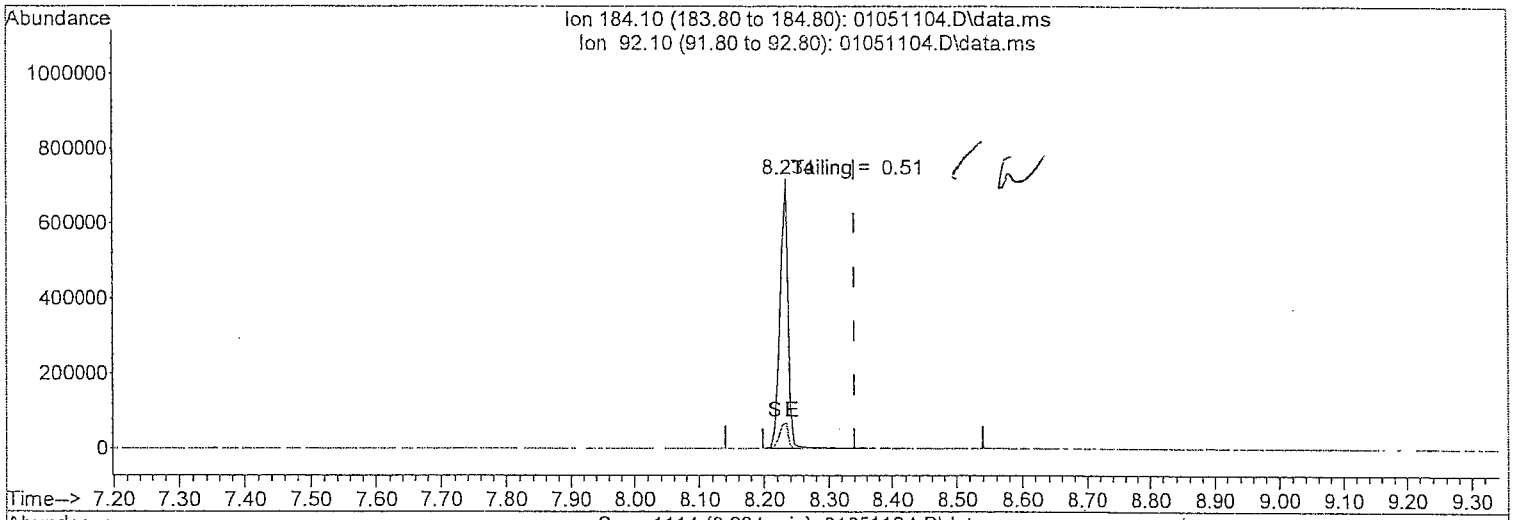
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	54.0	65567	PASS
68	69	0.00	2	1.8	948	PASS
69	198	0.00	100	43.2	52531	PASS
70	69	0.00	2	0.4	221	PASS
127	198	40	60	49.2	59789	PASS
197	198	0.00	1	0.7	889	PASS
198	198	100	100	100.0	121514	PASS
199	198	5	9	6.5	7948	PASS
275	198	10	30	20.3	24613	PASS
365	198	1	100	2.6	3102	PASS
441	443	0.01	100	78.5	13579	PASS
442	198	40	100	76.1	92525	PASS
443	442	17	23	18.7	17299	PASS

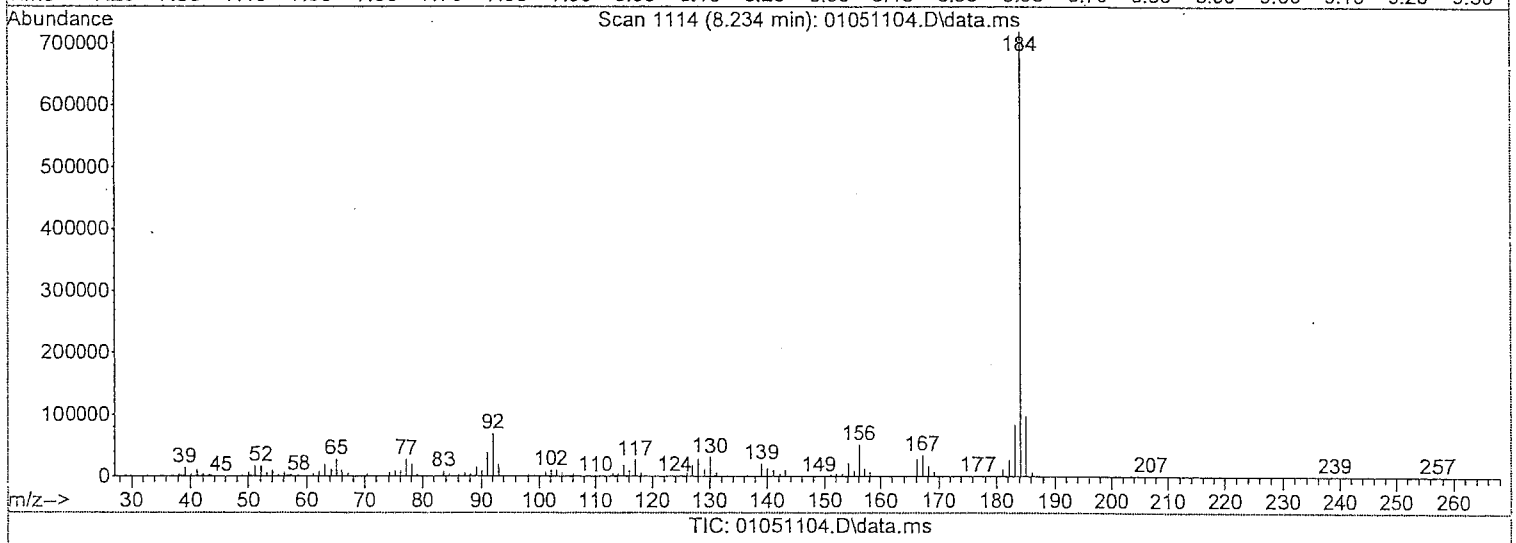
1.5.11

Quantitation Report (Qedit)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051104.D
Acq On : 5 Jan 2011 10:19 am
Operator : CL
Sample : 25ng TUNE PU00017
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 05 11:46:05 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥TUNE8270.M
Quant Title : DFTPP,TAILING EVA.:ACID<5.0,BN<3.0,DEG.<=20%
QLast Update : Fri Sep 10 17:23:33 2010
Response via : Continuing Cal File: D:¥msdchem¥1¥GCMS14¥DATA¥091010A¥09101002.D





(2) Benzidine

8.234min (-0.106) 7.68

response 603050

Ion	Exp%	Act%
184.10	100	100
92.10	10.20	10.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051105.D
Acq On : 5 Jan 2011 10:44 am
Operator : CL
Sample : BLANK
Misc : 1,4-DIOXANE
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 05 13:45:56 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 13:29:49 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.969	96	300515	20.00 ug/mL	0.00
3) 1,4-Dichlorobenzene-d4	6.092	152	231052	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	0.000	82	0	0.00 ug/mL	
Target Compounds					Qvalue
2) 1,4-Dioxane	2.999	88	49	0.00 ug/mL#	1
4) 1,4-Dichlorobenzene	6.092	146	306	0.01 ug/mL#	1

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

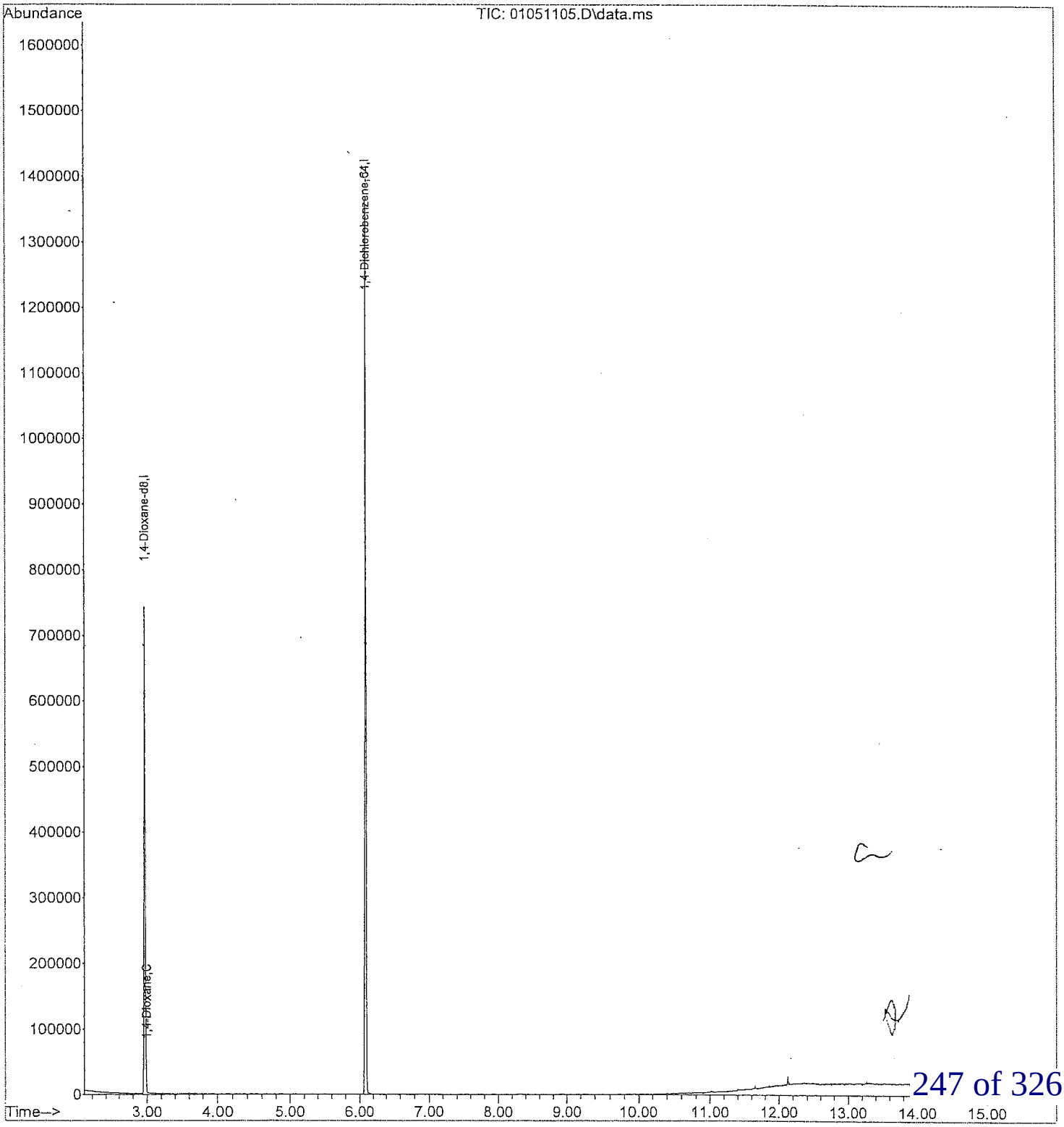
01-5-11

01/05/11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051105.D
Acq On : 5 Jan 2011 10:44 am
Operator : CL
Sample : BLANK
Misc : 1,4-DIOXANE
ALS Vial : 5 Sample Multiplier: 1

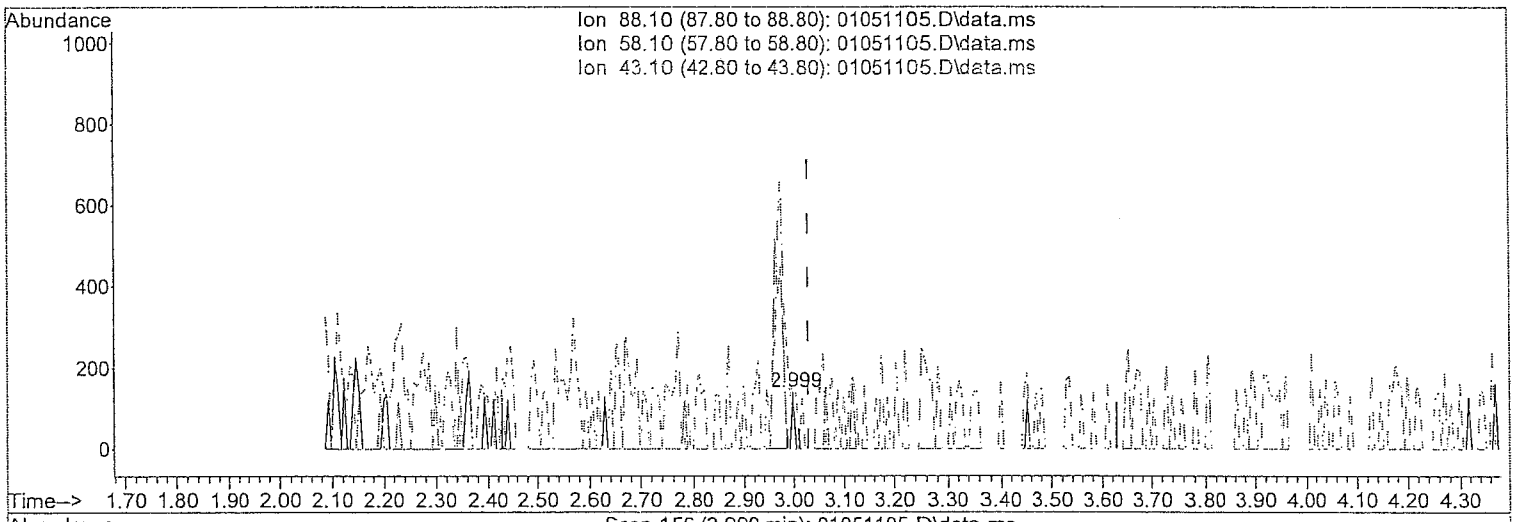
Quant Time: Jan 05 13:45:56 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 13:29:49 2011
Response via : Initial Calibration

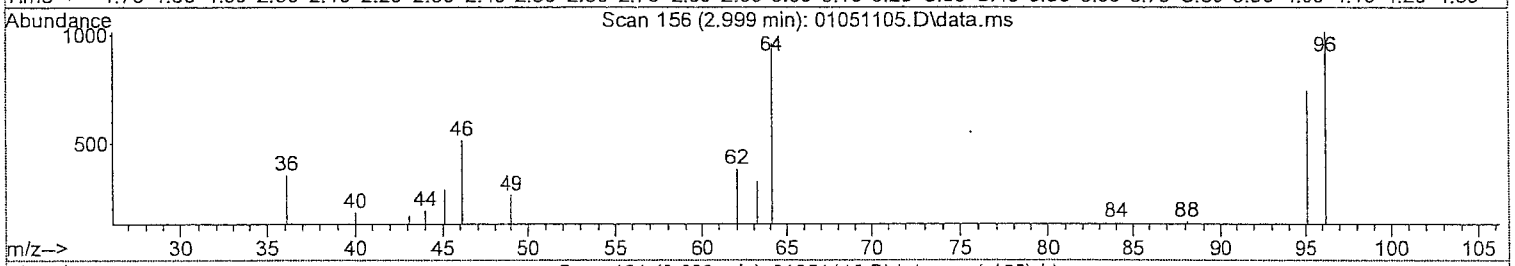


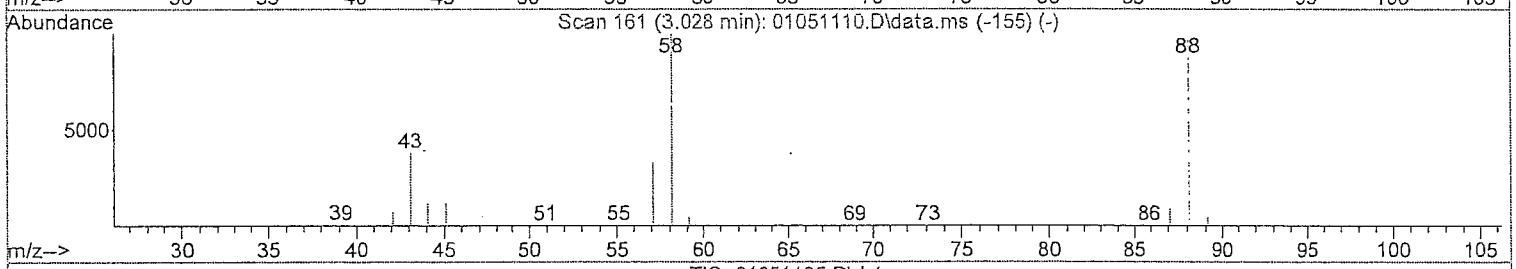
Quantitation Report (Qedit)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051105.D
Acq On : 5 Jan 2011 10:44 am
Operator : CL
Sample : BLANK
Misc : 1,4-DIOXANE
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 05 13:45:56 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 13:29:49 2011
Response via : Initial Calibration







TIC: 01051105.D\data.ms

(2) 1,4-Dioxane (C)

2.999min (-0.029) 0.00ug/mL

response 49

Ion	Exp%	Act%
88.10	100	100
58.10	97.60	1263.27#
43.10	39.30	2171.43#
0.00	0.00	0.00

ND ~1.5.11

TC 01051

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051106.D
Acq On : 5 Jan 2011 11:10 am
Operator : CL
Sample : 0.5ug/mL PU00059
Misc : 1,4-DIOXANE
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 05 11:25:57 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.963	96	318261	20.00 ug/mL	0.02
3) 1,4-Dichlorobenzene-d4	6.092	152	240601	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.557	82	20080	0.62 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.016	88	7745	0.48 ug/mL	96
4) 1,4-Dichlorobenzene	6.104	146	19858	0.51 ug/mL	87
5) N-Nitrosodi-n-propylamine	6.422	70	12932	0.61 ug/mL	98

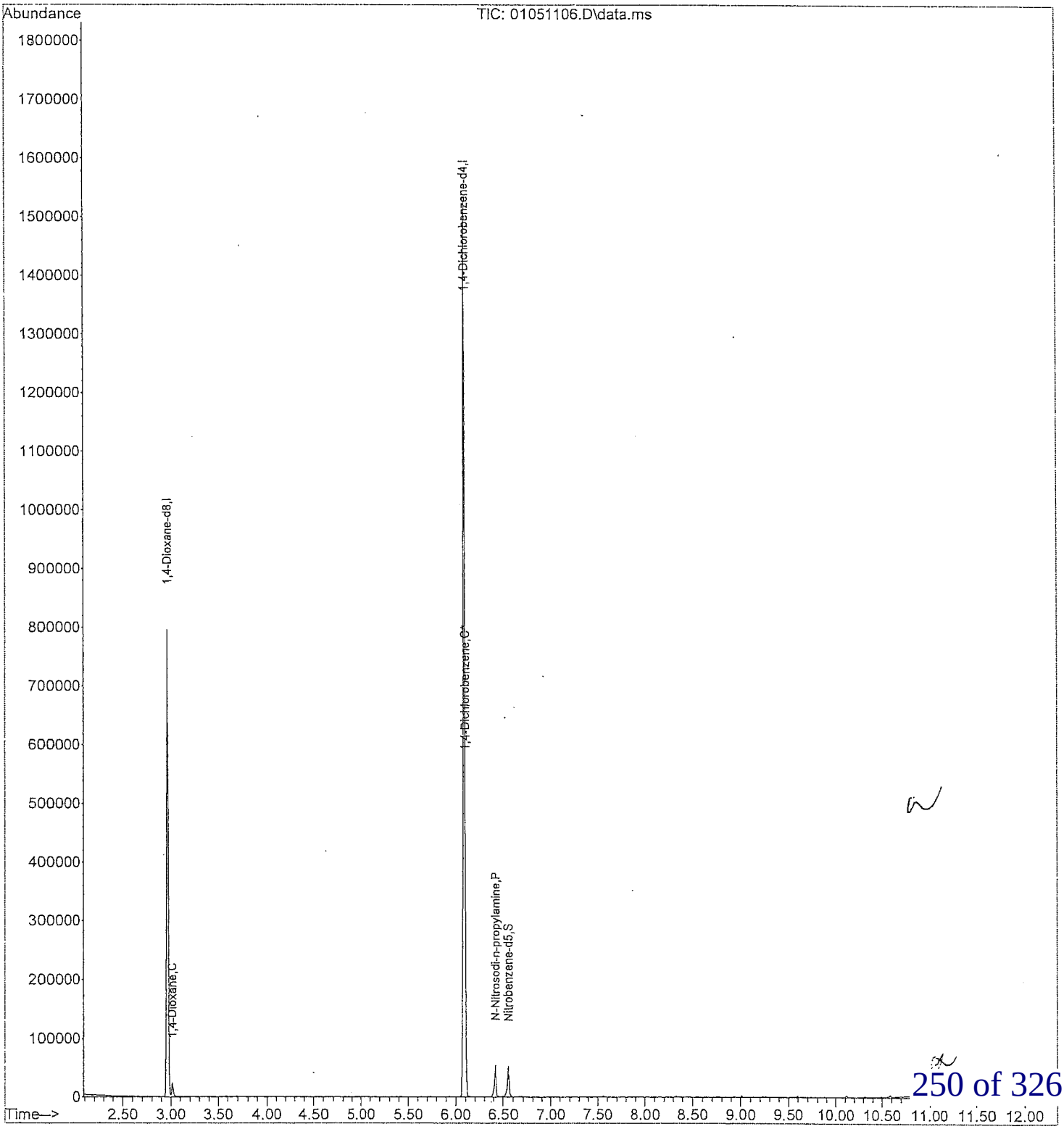
(#) = qualifier out of range (m) = manual integration (+) = signals summed

01-5-11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051106.D
Acq On : 5 Jan 2011 11:10 am
Operator : CL
Sample : 0.5ug/mL PU00059
Misc : 1,4-DIOXANE
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 05 11:25:57 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration



010511.M Wed Jan 05 11:26:26 2011

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051107.D
Acq On : 5 Jan 2011 11:32 am
Operator : CL
Sample : 1.0ug/mL PU00060
Misc : 1,4-DIOXANE
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 05 11:44:38 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.969	96	283387	20.00 ug/mL	0.02
3) 1,4-Dichlorobenzene-d4	6.092	152	213017	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.557	82	36439	1.28 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.022	88	14877	1.04 ug/mL	99
4) 1,4-Dichlorobenzene	6.104	146	35480	1.03 ug/mL	95
5) N-Nitrosodi-n-propylamine	6.422	70	23862	1.28 ug/mL	96

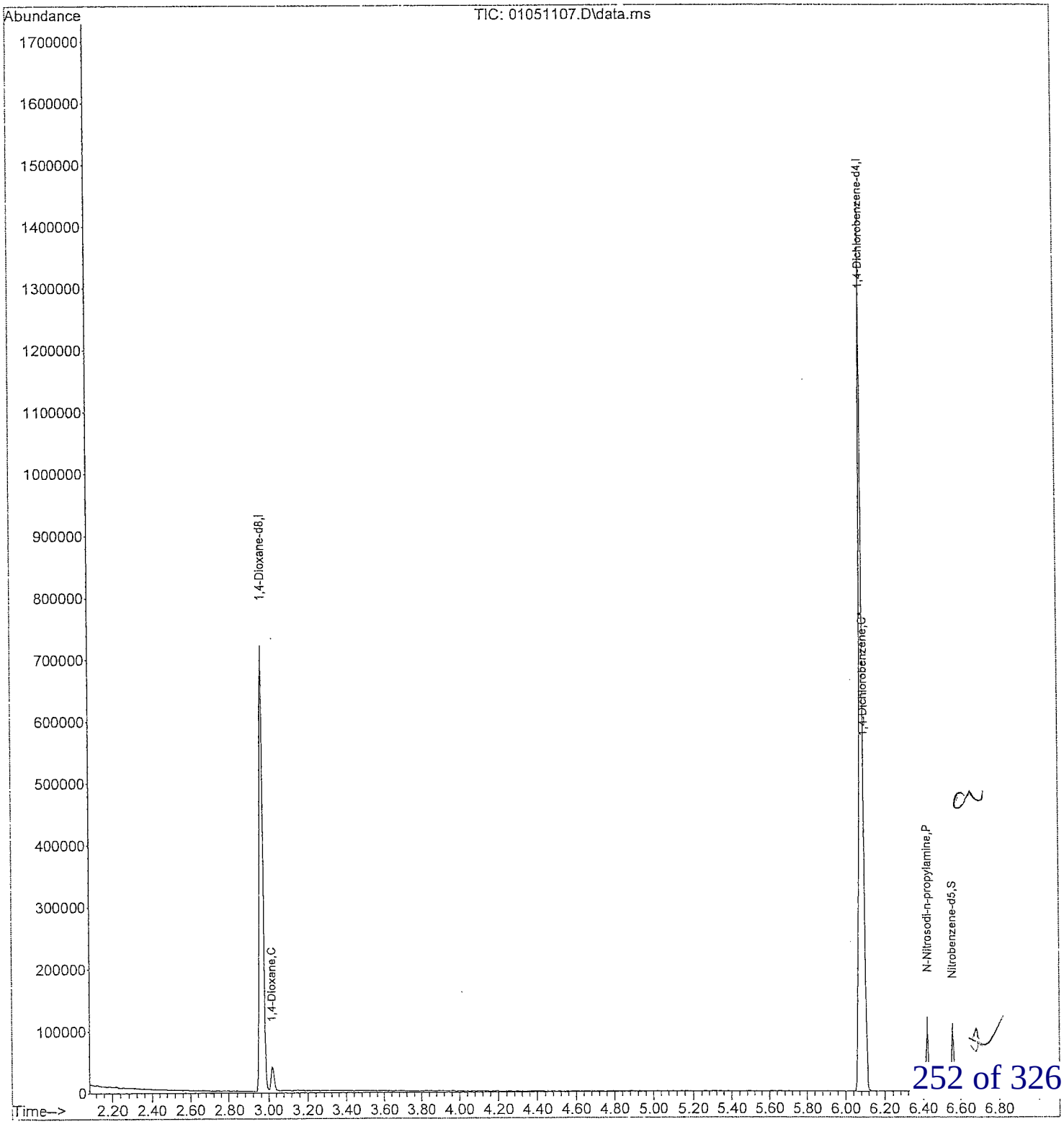
(#) = qualifier out of range (m) = manual integration (+) = signals summed

01.5.11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051107.D
Acq On : 5 Jan 2011 11:32 am
Operator : CL
Sample : 1.0ug/mL PU00060
Misc : 1,4-DIOXANE
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 05 11:44:38 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051108.D
Acq On : 5 Jan 2011 11:46 am
Operator : CL
Sample : 2.0ug/mL PU00061
Misc : 1,4-DIOXANE
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 05 11:54:31 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.975	96	323796	20.00 ug/mL	0.03
3) 1,4-Dichlorobenzene-d4	6.087	152	240424	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.557	82	92526	2.87 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.022	88	34074	2.09 ug/mL	99
4) 1,4-Dichlorobenzene	6.104	146	83920	2.15 ug/mL	99
5) N-Nitrosodi-n-propylamine	6.416	70	59969	2.84 ug/mL	99

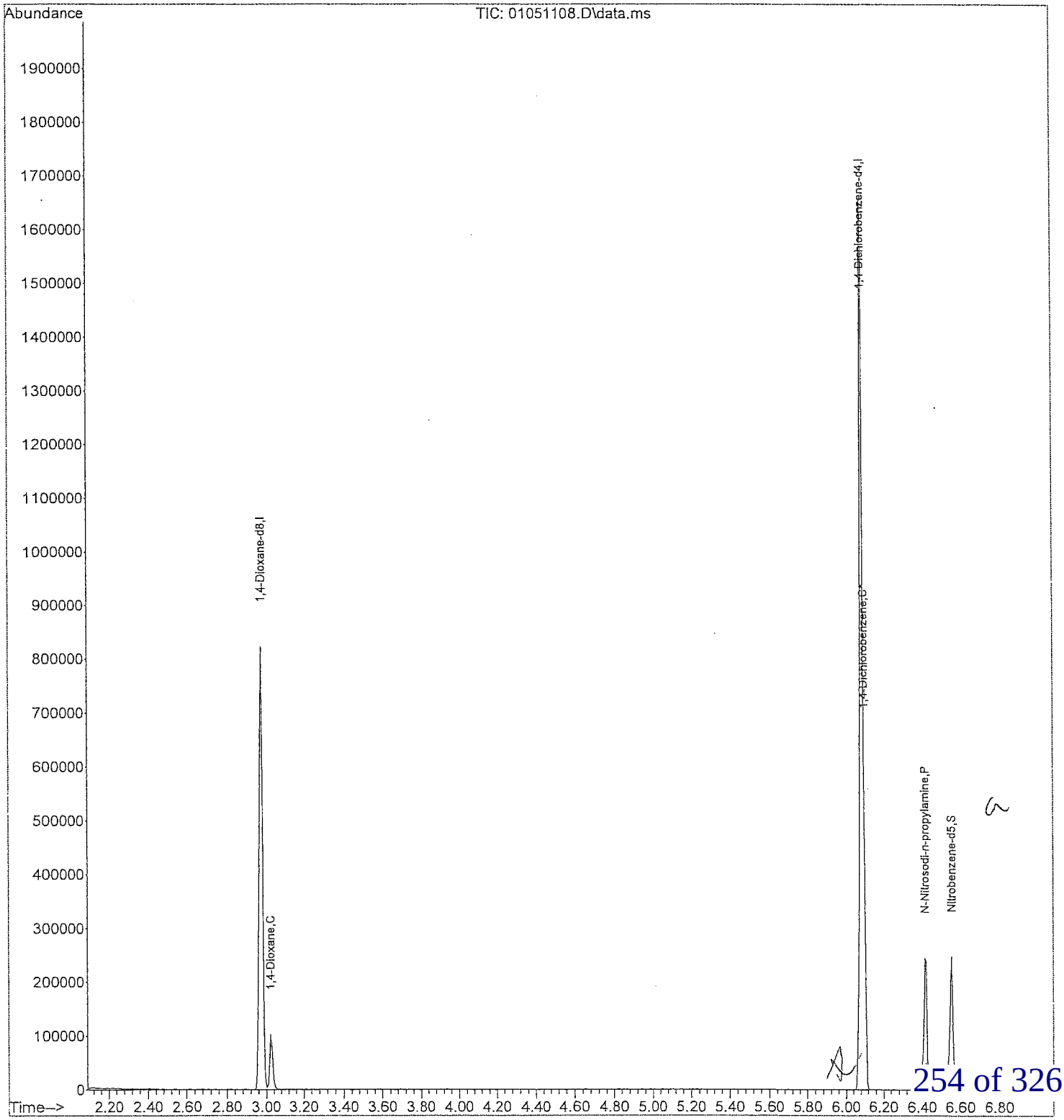
(#) = qualifier out of range (m) = manual integration (+) = signals summed

01.5.11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051108.D
Acq On : 5 Jan 2011 11:46 am
Operator : CL
Sample : 2.0ug/mL PU00061
Misc : 1,4-DIOXANE
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 05 11:54:31 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration



010511.M Wed Jan 05 11:54:58 2011 Page: 2

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051109.D
Acq On : 5 Jan 2011 11:59 am
Operator : CL
Sample : 4.0ug/mL PU00062
Misc : 1,4-DIOXANE
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 05 12:19:44 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.957	96	304589	20.00 ug/mL	0.01
3) 1,4-Dichlorobenzene-d4	6.092	152	229794	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.557	82	173101	5.62 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.004	88	65016	4.24 ug/mL	100
4) 1,4-Dichlorobenzene	6.104	146	157766	4.23 ug/mL	98
5) N-Nitrosodi-n-propylamine	6.422	70	115445	5.73 ug/mL	98

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

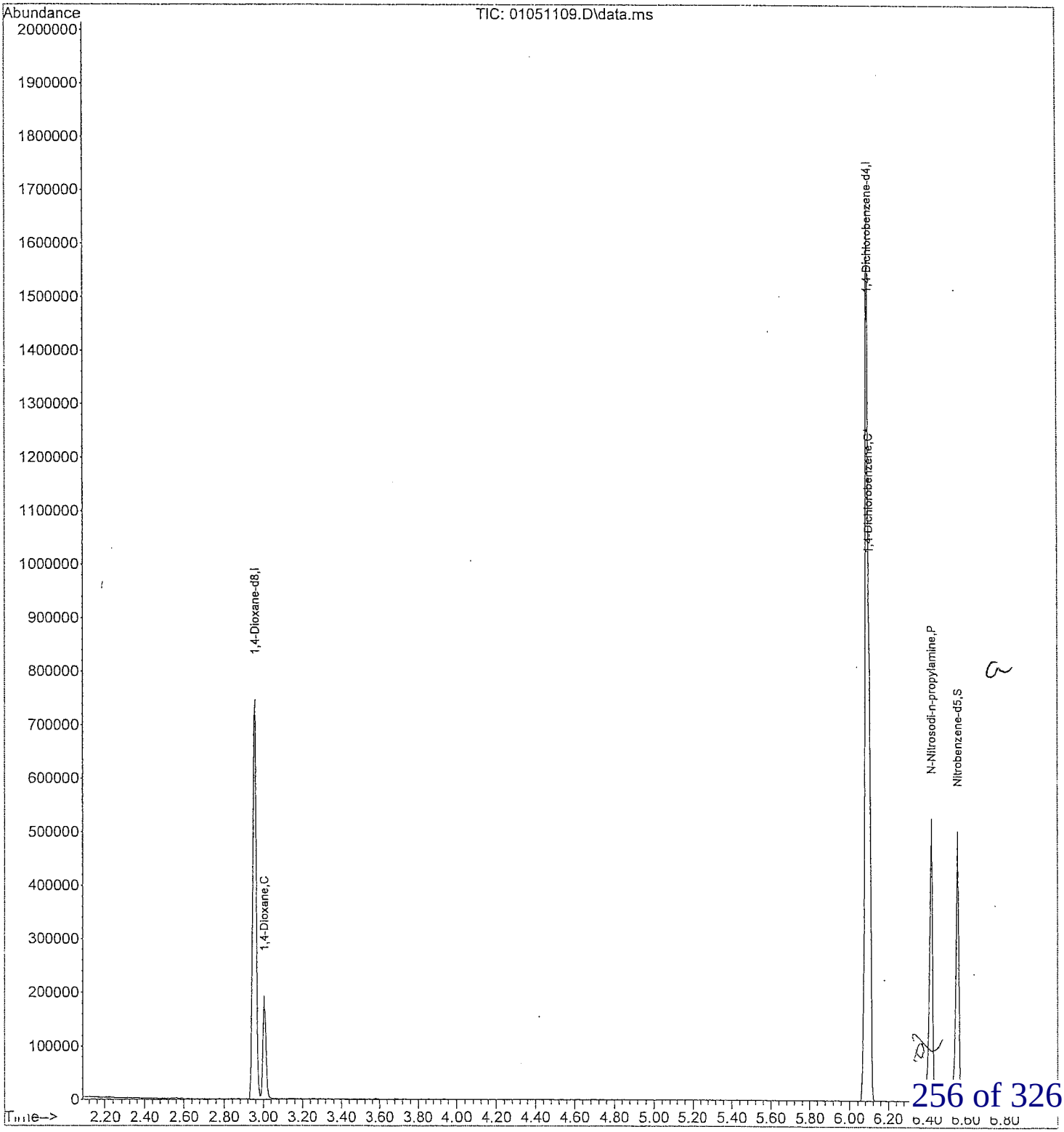
01.5.11

Final

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051109.D
Acq On : 5 Jan 2011 11:59 am
Operator : CL
Sample : 4.0ug/mL PU00062
Misc : 1,4-DIOXANE
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 05 12:19:44 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration



010511.M Wed Jan 05 12:20:06 2011

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051110.D
Acq On : 5 Jan 2011 12:12 pm
Operator : CL
Sample : 10ug/mL PU00063
Misc : 1,4-DIOXANE
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 05 12:20:18 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.975	96	326940	20.00 ug/mL	0.03
3) 1,4-Dichlorobenzene-d4	6.092	152	243008	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.557	82	454083	13.94 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.028	88	171569	10.42 ug/mL	99
4) 1,4-Dichlorobenzene	6.104	146	404965	10.27 ug/mL	99
5) N-Nitrosodi-n-propylamine	6.422	70	304989	14.31 ug/mL	100

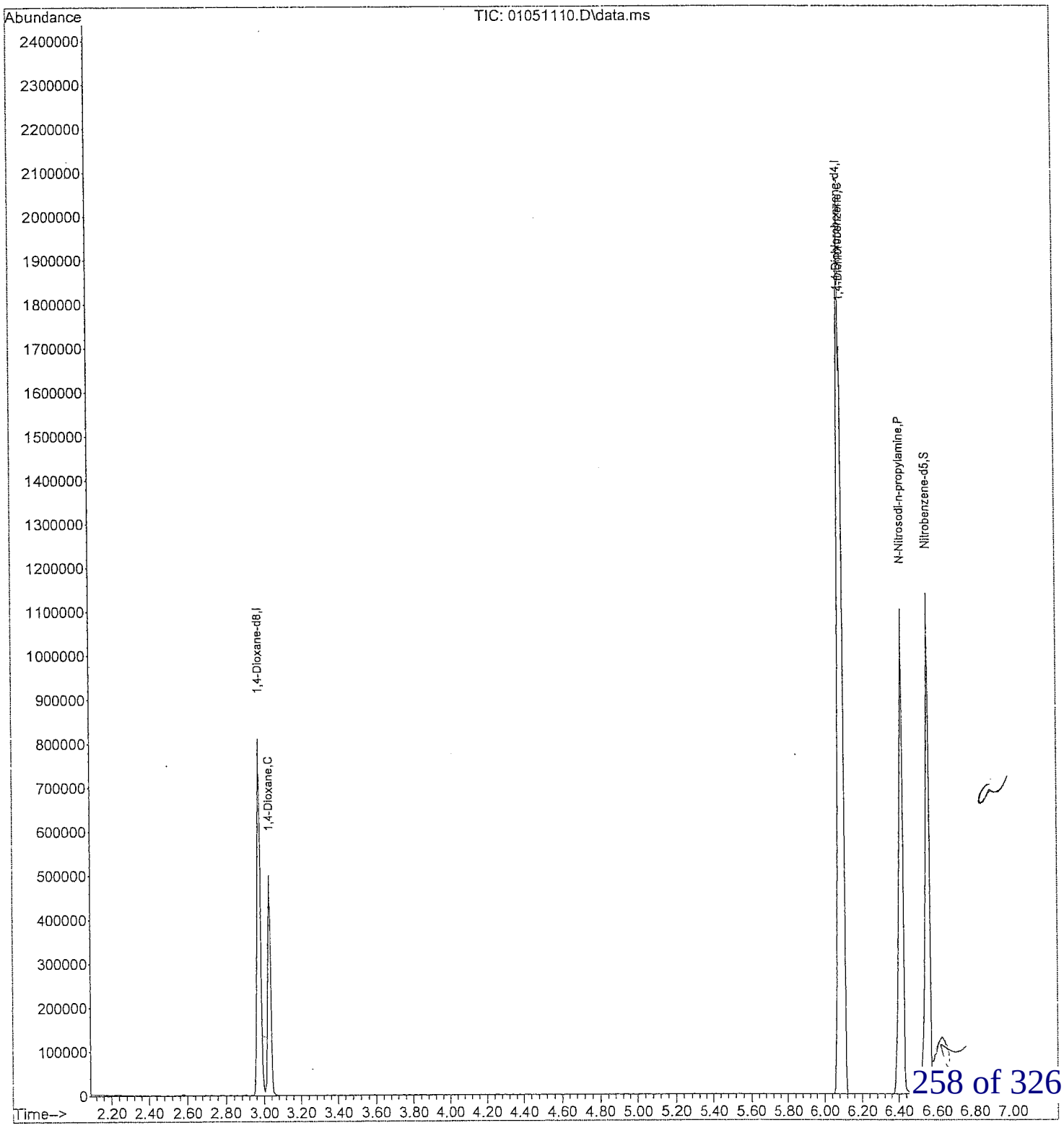
(#) = qualifier out of range (m) = manual integration (+) = signals summed

01.5.11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051110.D
Acq On : 5 Jan 2011 12:12 pm
Operator : CL
Sample : 10ug/mL PU00063
Misc : 1,4-DIOXANE
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 05 12:20:18 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051111.D
Acq On : 5 Jan 2011 12:25 pm
Operator : CL
Sample : 20ug/mL PU00064
Misc : 1,4-DIOXANE
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 05 12:43:52 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.892	96	258958	20.00 ug/mL	-0.05
3) 1,4-Dichlorobenzene-d4	6.092	152	185062	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.563	82	670408	27.02 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	2.951	88	261828	20.07 ug/mL	100
4) 1,4-Dichlorobenzene	6.104	146	613271	20.43 ug/mL	100
5) N-Nitrosodi-n-propylamine	6.428	70	453173	27.92 ug/mL	99

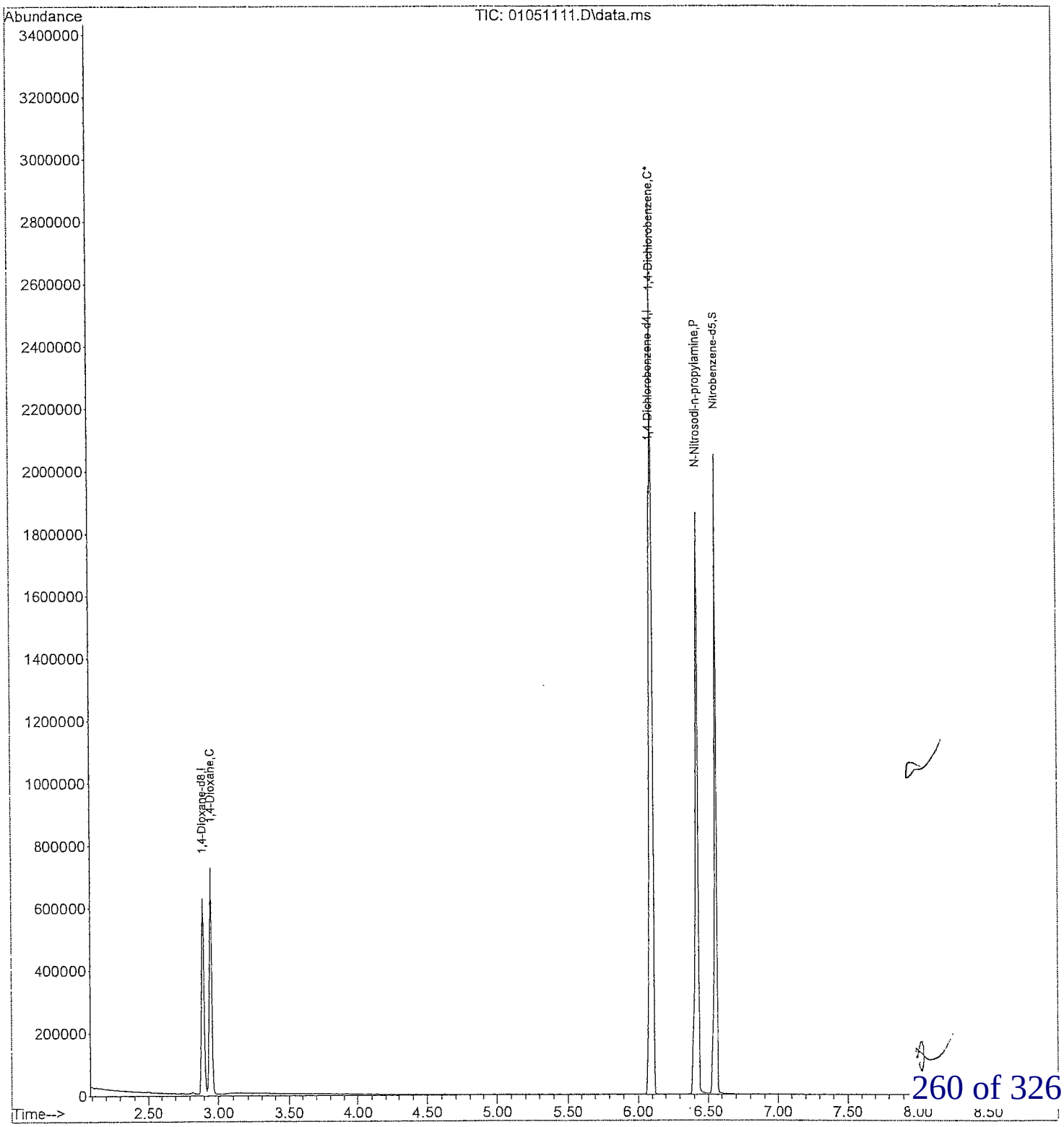
(#) = qualifier out of range (m) = manual integration (+) = signals summed

01.5.11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051111.D
Acq On : 5 Jan 2011 12:25 pm
Operator : CL
Sample : 20ug/mL PU00064
Misc : 1,4-DIOXANE
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 05 12:43:52 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051112.D
Acq On : 5 Jan 2011 12:41 pm
Operator : CL
Sample : 30ug/mL PU00065
Misc : 1,4-DIOXANE
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 05 12:57:20 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.975	96	330882	20.00 ug/mL	0.03
3) 1,4-Dichlorobenzene-d4	6.092	152	235894	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.563	82	1276344	40.36 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	3.040	88	495415	29.72 ug/mL	98
4) 1,4-Dichlorobenzene	6.104	146	1137949	29.74 ug/mL	100
5) N-Nitrosodi-n-propylamine	6.428	70	858130	41.47 ug/mL	99

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

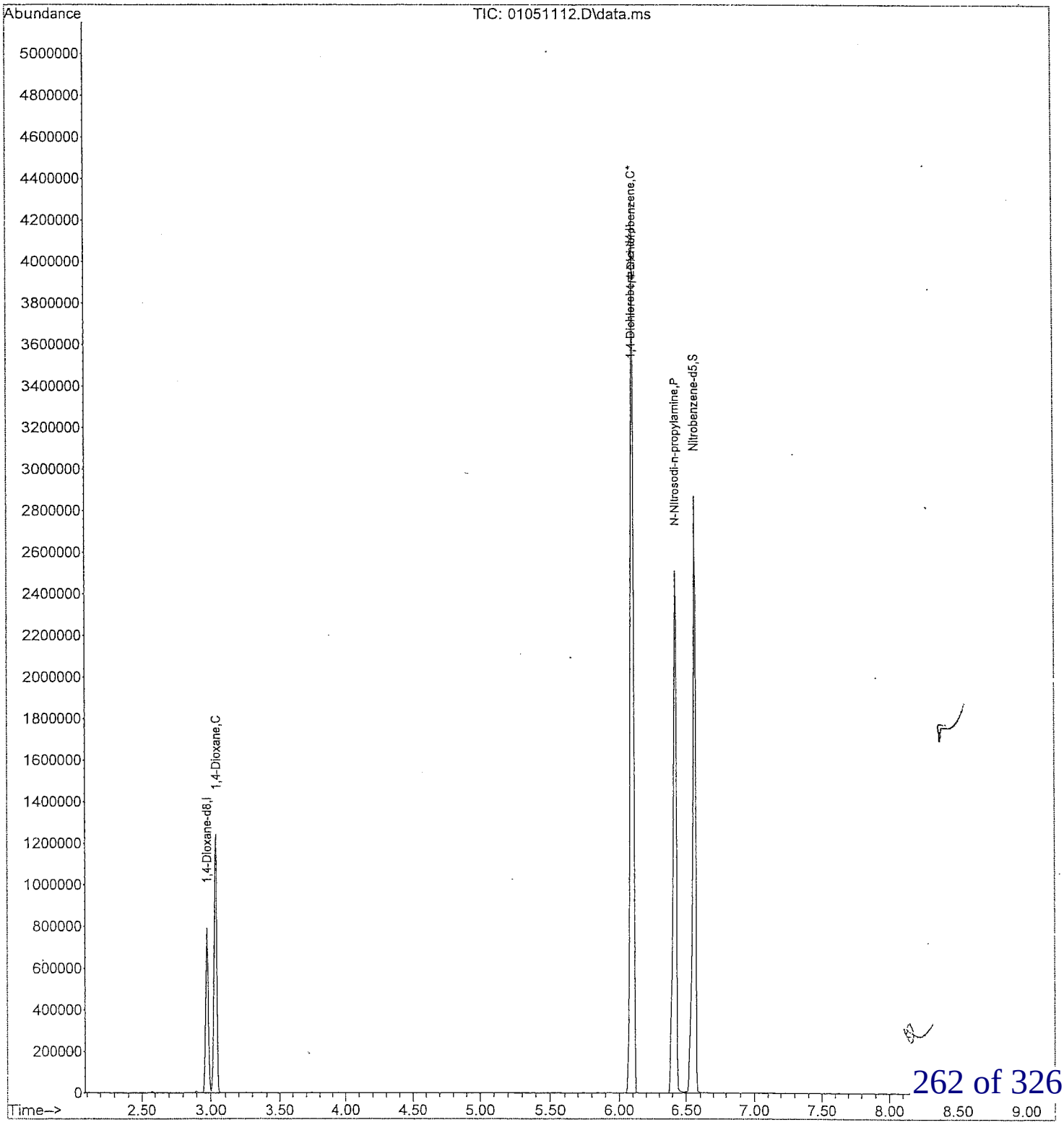
01.5.11

Test 100%

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051112.D
Acq On : 5 Jan 2011 12:41 pm
Operator : CL
Sample : 30ug/mL PU00065
Misc : 1,4-DIOXANE
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 05 12:57:20 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051113.D
Acq On : 5 Jan 2011 12:58 pm
Operator : CL
Sample : 40ug/mL PU00066
Misc : 1,4-DIOXANE
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 05 13:09:05 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.875	96	235570	20.00 ug/mL	-0.07
3) 1,4-Dichlorobenzene-d4	6.093	152	170137	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.569	82	1198475	52.55 ug/mL	0.01
Target Compounds					Qvalue
2) 1,4-Dioxane	2.940	88	479723	40.42 ug/mL	99
4) 1,4-Dichlorobenzene	6.110	146	1084666	39.30 ug/mL	99
5) N-Nitrosodi-n-propylamine	6.434	70	813006	54.48 ug/mL	100

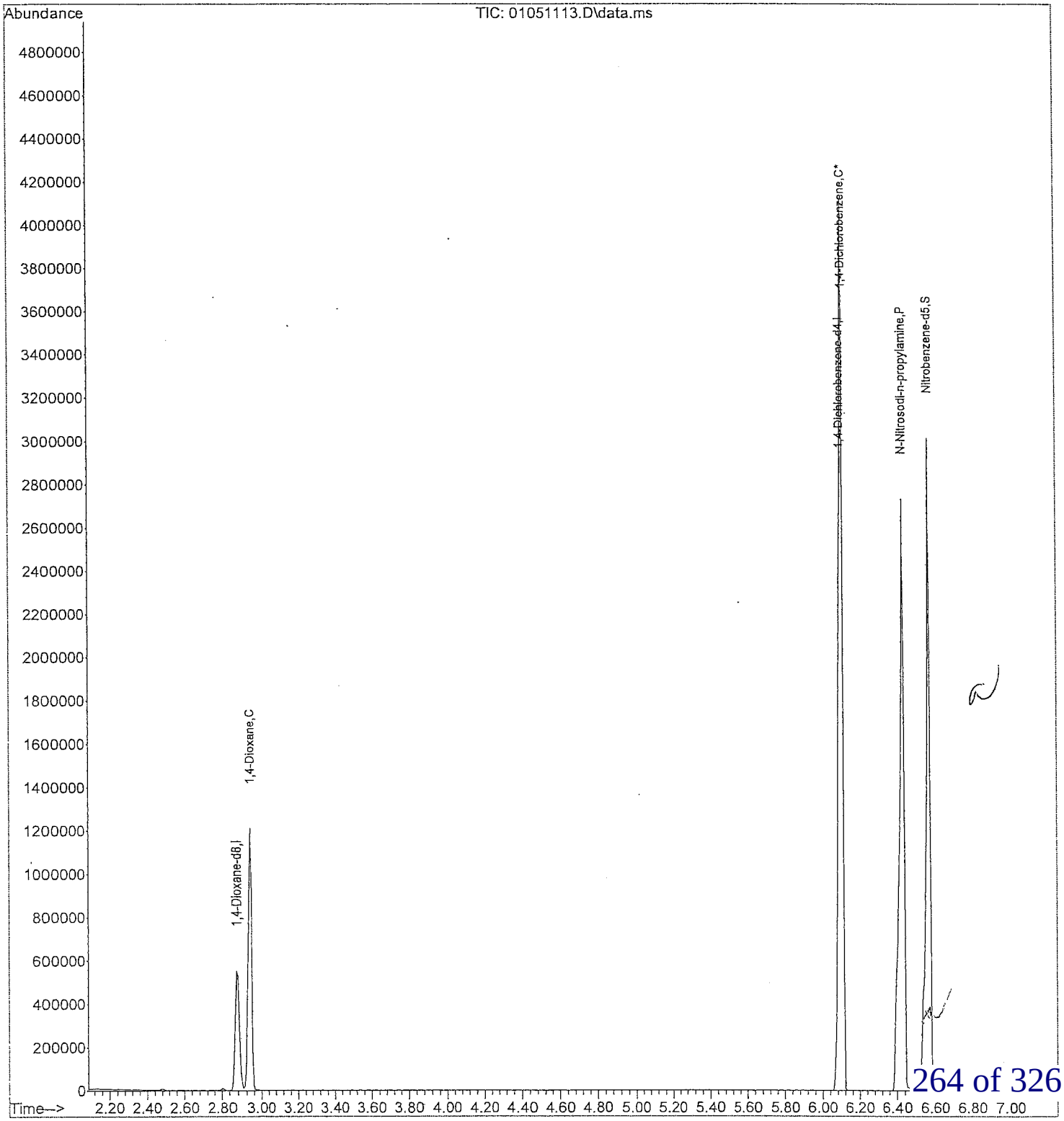
(#) = qualifier out of range (m) = manual integration (+) = signals summed

01.5.11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051113.D
Acq On : 5 Jan 2011 12:58 pm
Operator : CL
Sample : 40ug/mL PU00066
Misc : 1,4-DIOXANE
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 05 13:09:05 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration



010511.M Wed Jan 05 13:09:23 2011 Page: 2

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051114.D
Acq On : 5 Jan 2011 1:11 pm
Operator : CL
Sample : 100ug/mL PU0067
Misc : 1,4-DIOXANE
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 05 13:26:30 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.787	96	203549m	20.00 ug/mL	-0.16
3) 1,4-Dichlorobenzene-d4	6.092	152	140662	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.581	82	2386881	126.59 ug/mL	0.02
Target Compounds					Qvalue
2) 1,4-Dioxane	2.863	88	957052m	93.33 ug/mL	
4) 1,4-Dichlorobenzene	6.110	146	2103702	92.19 ug/mL	100
5) N-Nitrosodi-n-propylamine	6.451	70	1646696	133.46 ug/mL	99

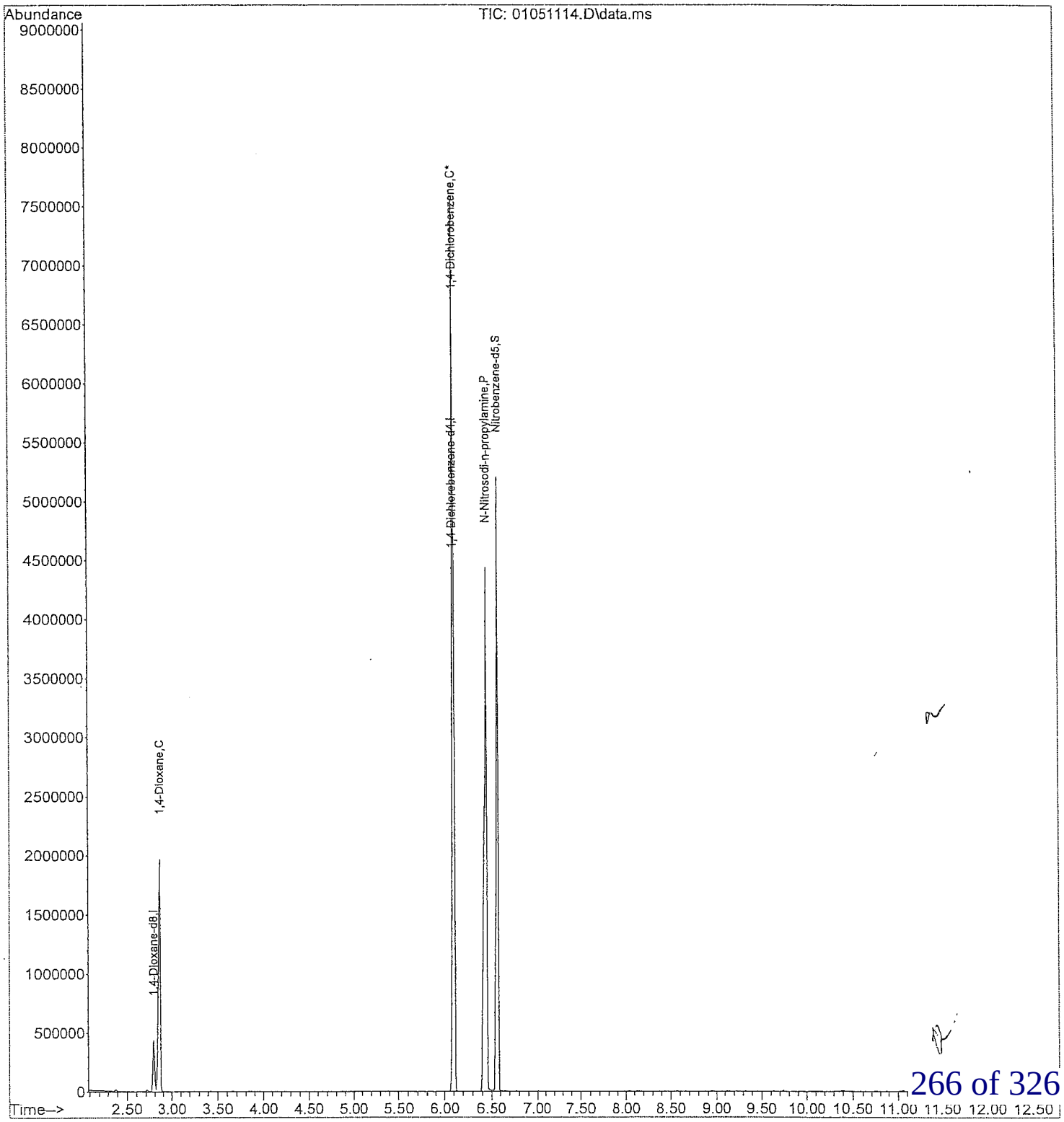
(#) = qualifier out of range (m) = manual integration (+) = signals summed

01.5.11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051114.D
Acq On : 5 Jan 2011 1:11 pm
Operator : CL
Sample : 100ug/mL PU0067
Misc : 1,4-DIOXANE
ALS Vial : 14 Sample Multiplier: 1

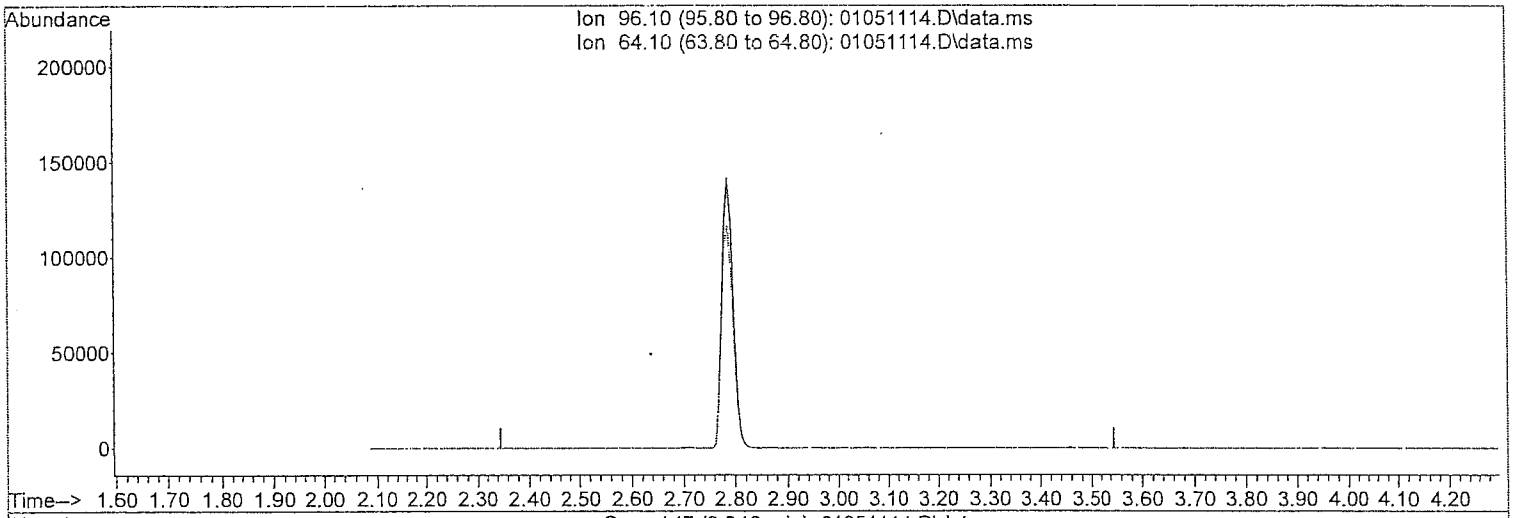
Quant Time: Jan 05 13:26:30 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration

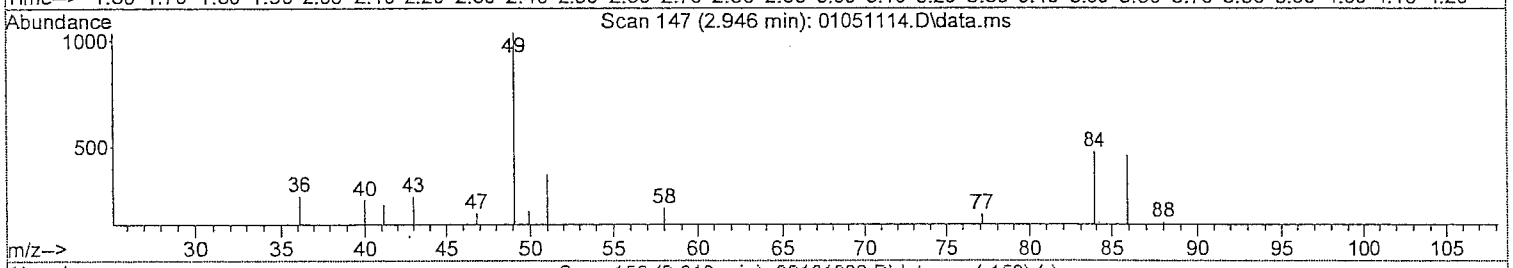


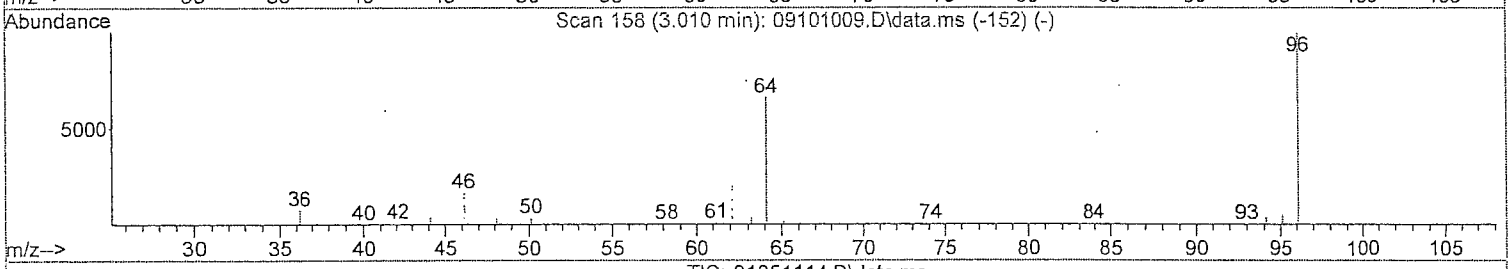
Quantitation Report (Qedit)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051114.D
Acq On : 5 Jan 2011 1:11 pm
Operator : CL
Sample : 100ug/mL PU0067
Misc : 1,4-DIOXANE
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 05 13:24:44 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration







TIC: 01051114.D\data.ms

B

(1) 1,4-Dioxane-d8 (I)

2.946min (-2.946) 0.00ug/mL

response 0

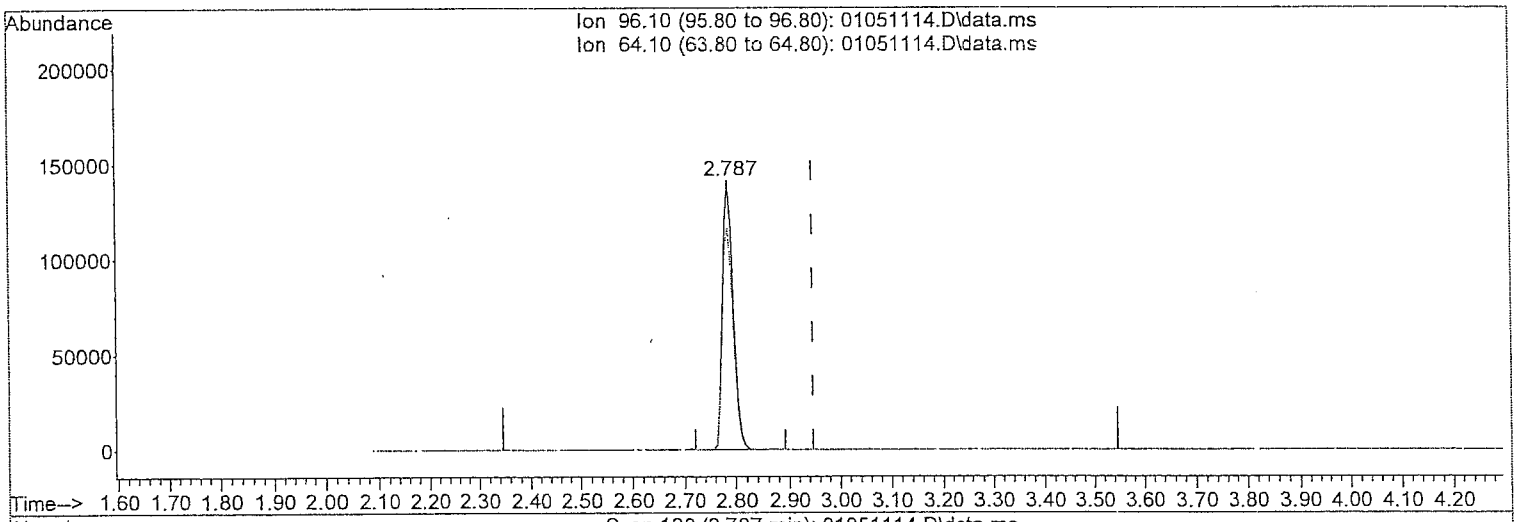
Ion	Exp%	Act%
96.10	100	0.00
64.10	83.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

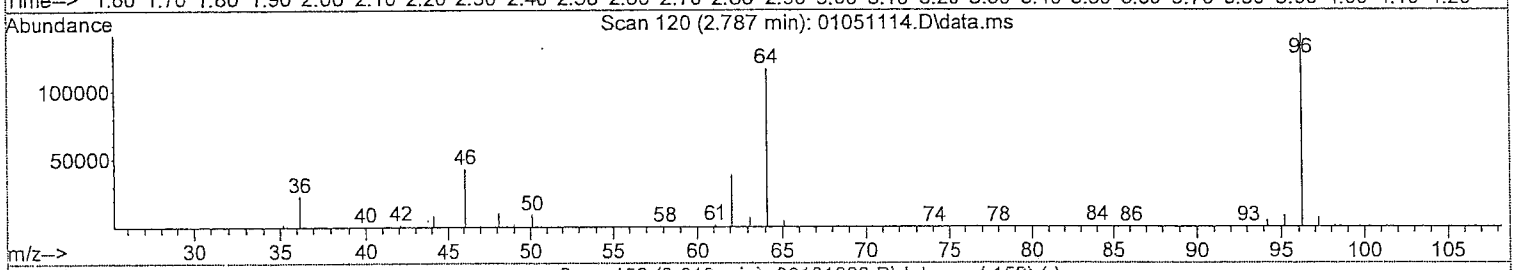
TD
01.5.11

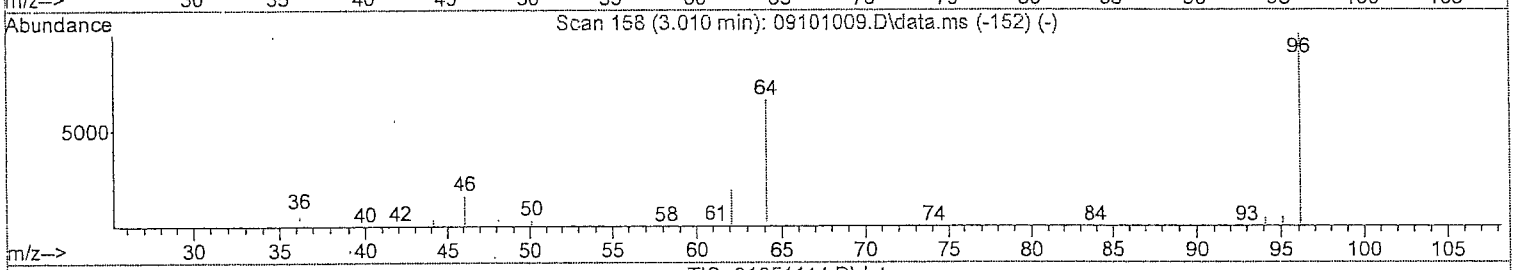
Quantitation Report (Qedit)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051114.D
Acq On : 5 Jan 2011 1:11 pm
Operator : CL
Sample : 100ug/mL PU0067
Misc : 1,4-DIOXANE
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 05 13:24:44 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration







TIC: 01051114.D\data.ms

(1) 1,4-Dioxane-d8 (I)

2.787min (-0.159) 20.00ug/mL m

response 203549

Ion	Exp%	Act%
96.10	100	100
64.10	83.80	83.74
0.00	0.00	0.00
0.00	0.00	0.00

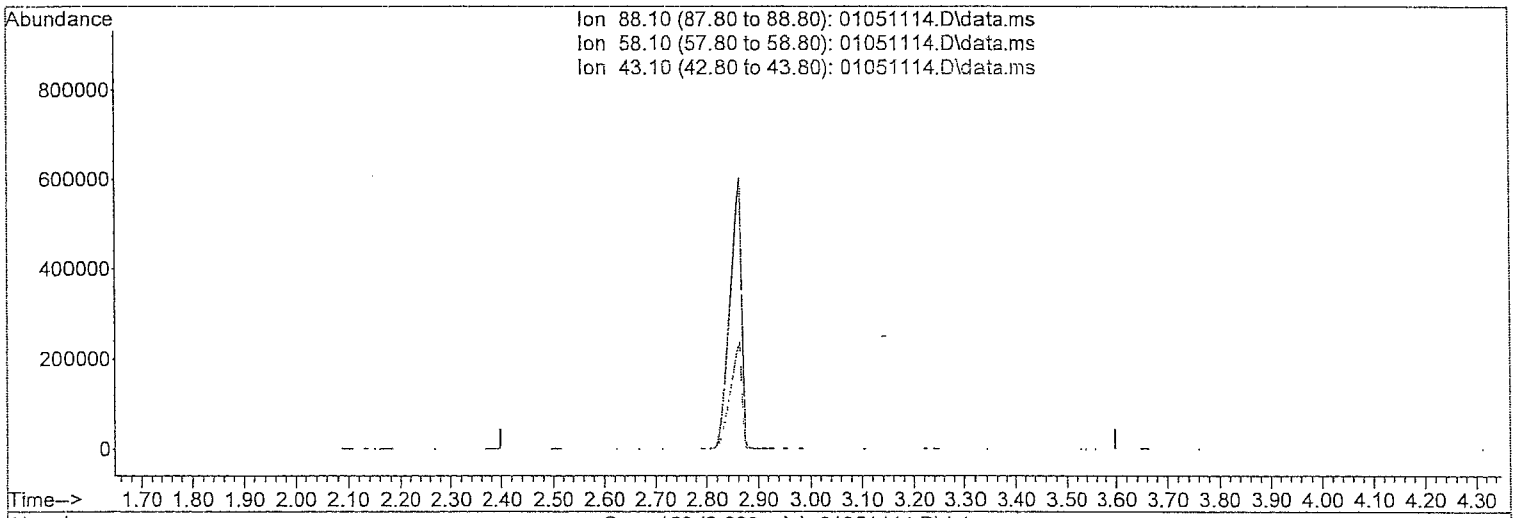
A

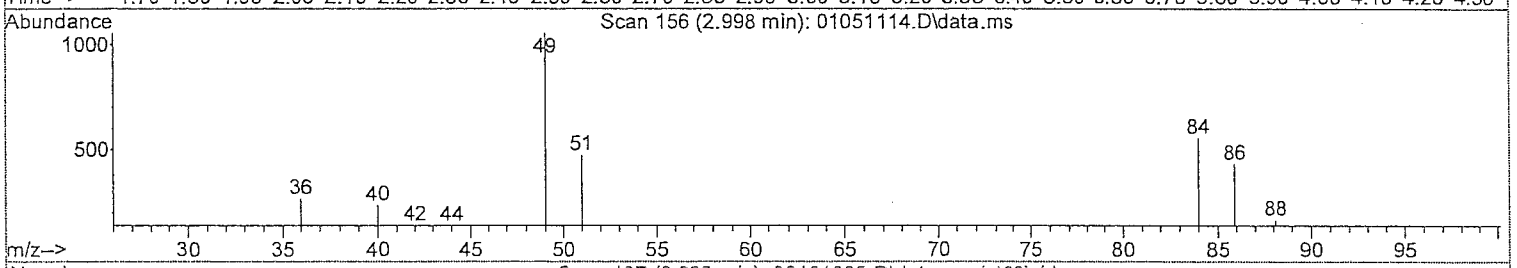
1-5-11

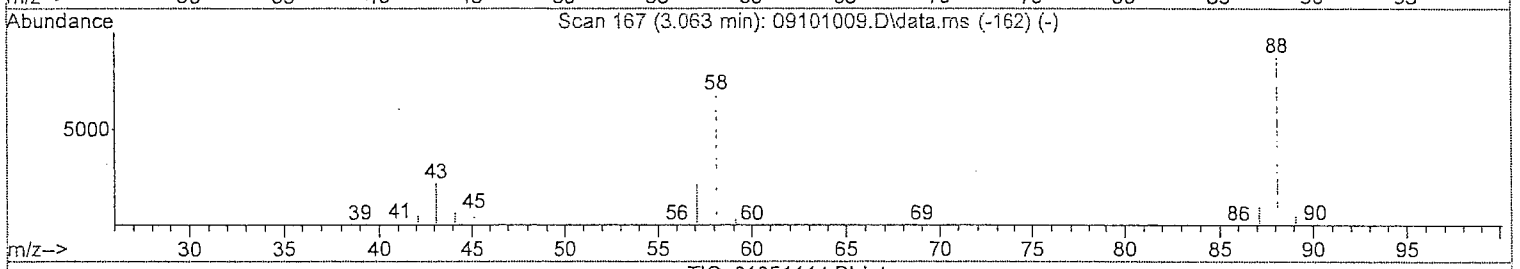
Quantitation Report (Qedit)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051114.D
Acq On : 5 Jan 2011 1:11 pm
Operator : CL
Sample : 100ug/mL PU0067
Misc : 1,4-DIOXANE
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 05 13:24:44 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration







TIC: 01051114.D\data.ms

B

(2) 1,4-Dioxane (C)

2.998min (-2.998) 0.00ug/mL

response 0

Ion	Exp%	Act%
88.10	100	0.00
58.10	97.70	0.00#
43.10	38.10	0.00#
0.00	0.00	0.00

ID

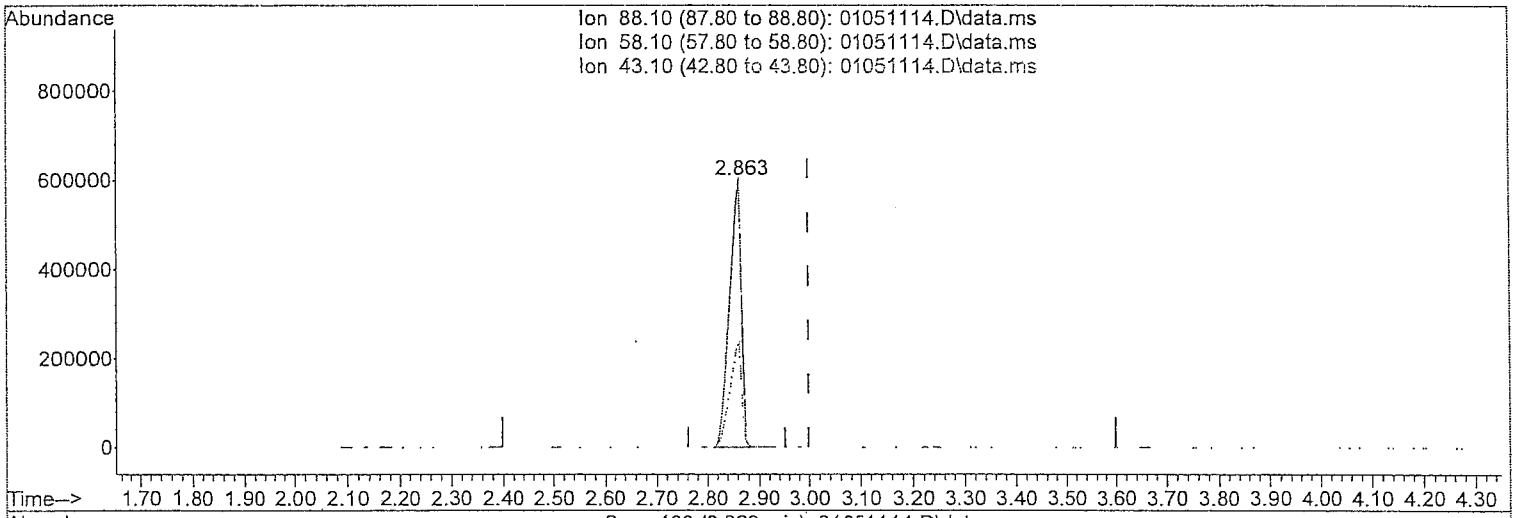
a1.5-11

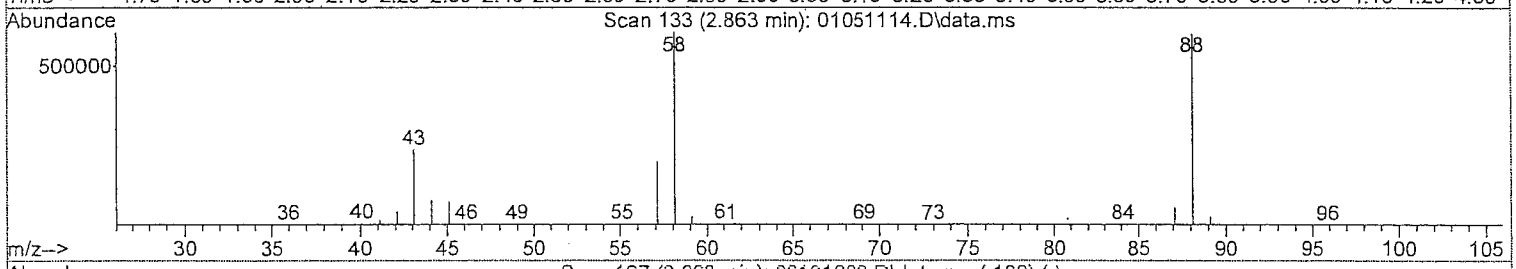
1/21/11

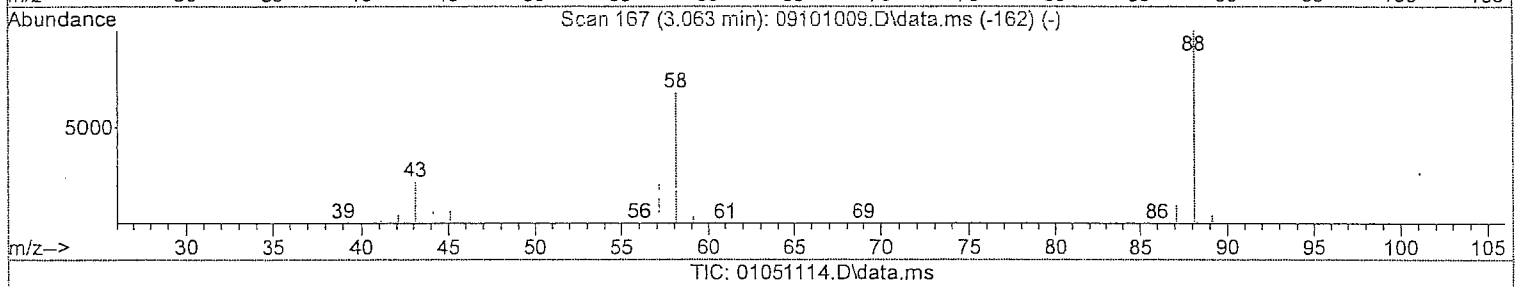
Quantitation Report (Qedit)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051114.D
Acq On : 5 Jan 2011 1:11 pm
Operator : CL
Sample : 100ug/mL PU0067
Misc : 1,4-DIOXANE
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 05 13:24:44 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 11:25:11 2011
Response via : Initial Calibration







TIC: 01051114.D\data.ms

(2) 1,4-Dioxane (C)

2.863min (-0.135) 93.33ug/mL m

response 957052

Ion	Exp%	Act%
88.10	100	100
58.10	97.70	100.08
43.10	38.10	38.93
0.00	0.00	0.00

01.5-11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051115.D
Acq On : 5 Jan 2011 1:33 pm
Operator : CL
Sample : QCS10ug/mL PU00068
Misc : 1,4-DIOXANE
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 05 13:43:34 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 13:29:49 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.946	96	322333	20.00 ug/mL	-0.03
3) 1,4-Dichlorobenzene-d4	6.086	152	233788	10.00 ug/mL	0.00
System Monitoring Compounds					
6) Nitrobenzene-d5	6.557	82	43	0.00 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	2.998	88	165372	10.08 ug/mL	98
4) 1,4-Dichlorobenzene	6.081	146	386	0.01 ug/mL#	1

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

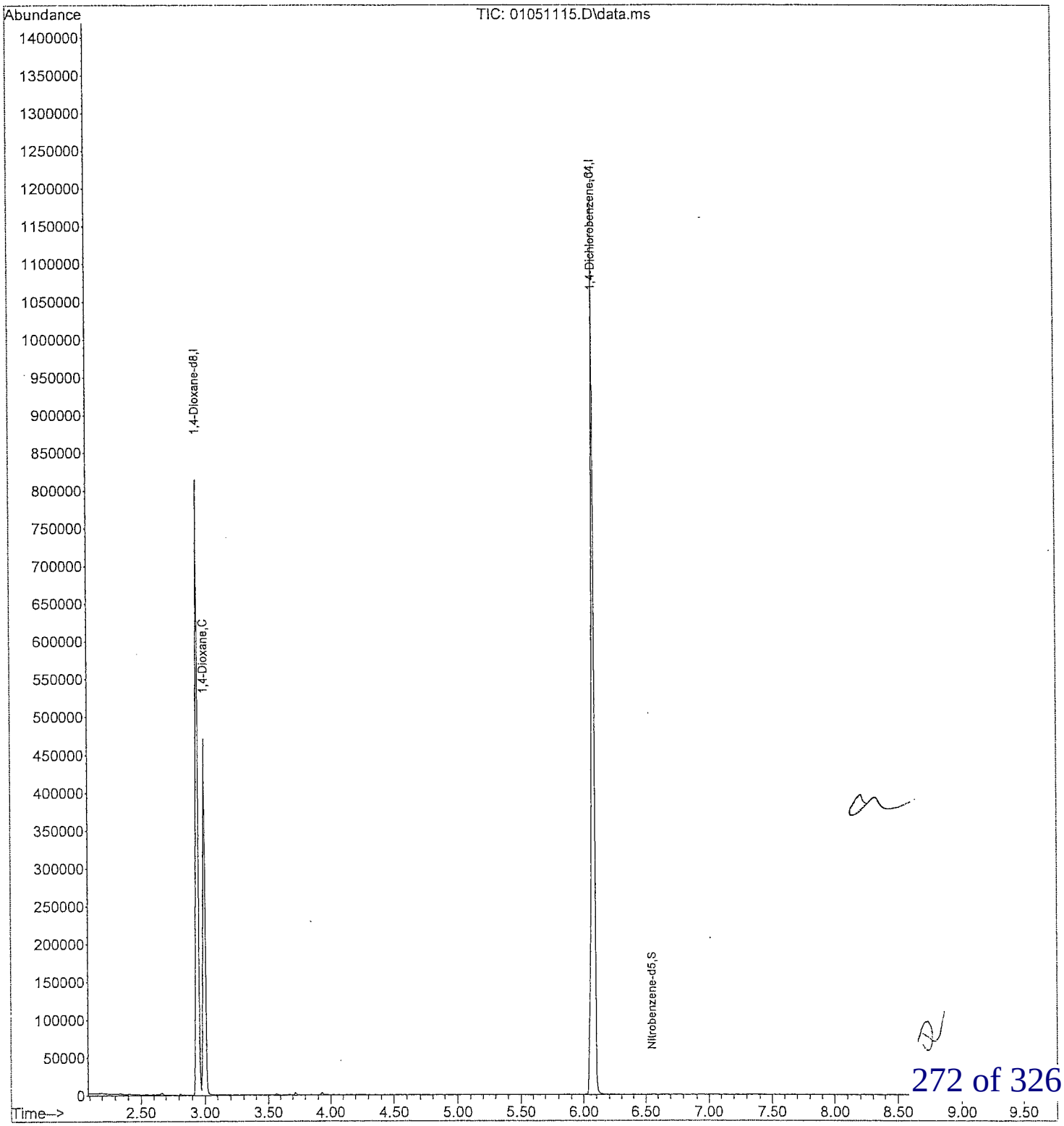
100.8 %

01.5.11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥010511¥
Data File : 01051115.D
Acq On : 5 Jan 2011 1:33 pm
Operator : CL
Sample : QCS10ug/mL PU00068
Misc : 1,4-DIOXANE
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 05 13:43:34 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Wed Jan 05 13:29:49 2011
Response via : Initial Calibration



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THE LEADER IN ENVIRONMENTAL TESTING

Phoenix

SOP No. PE-SVD-014, R.1
Effective Date: 01/18/2011
Page No.: 1 of 1

Attachment 9
ANALYTICAL DATA REVIEW CHECKLIST

SOP PE-SVD-014 R.1
1, 4-Dioxane by Modified EPA 8270C

Analyst: C-Lawrie	Batch ID# 11C0426	Date Analyzed: 3-14-11

	Description	Yes	No	NA[1]
1.	Tune 3:02 PM			
-	DFTPP (~~50~~ 25 ng) meets method criteria?	✓		
-	Tailing – Benzidine (Base/Neutrals) ≤ 3.0?	✓		
-	All samples analyzed <12 hours from time of Tune?	✓		
2.	Calibration Curve (minimum of 5 levels)	✓		
-	SPCC N-Nitroso-propylamine meets min. RF 0.05?	✓		
-	CCC 1,4-Dichlorobenzene ≤30%	✓		
-	All compounds RSD ≤20% or linear/quadratic r^2≥0.99	✓		
-	QCS recovered ± 30%	✓		
-	Date of Initial Calibration: 010511D Instrument: C CMS 14			
3.	Retention Times Updated?		✓	
4.	CCVs all analytes ~~recovered~~ within ± 20% D (includes CCC 1, 4-Dichlorobenzene)?	✓		
-	SPCC N-Nitroso-propylamine meets min. RF 0.05?	✓		
-	Internal Standard RT ± 0.5 min. from 10 ~~ppb~~ µg/mL std. in ICAL?	✓		
-	Internal Standard Areas -50% to + 100 ~~200~~% of 10 ~~ppb~~ µg/mL std. in ICAL?	✓		
-	Analyte RRTs ± 0.06 from ~~50ppb~~ 10 µg/mL std. in ICAL?	✓		
5.	Method Blank extracted with batch?	✓		
-	All target analytes recovered <RL?	✓		
6.	LCS/LCSD extracted with batch?	✓		
-	Recoveries within Laboratory Limits?	✓		
-	RPDs ≤ Laboratory Limits?	✓		
7.	MS/MSD extracted with batch?			
-	Recoveries within Historical Limits?			
-	RPDs Laboratory Limits?			
8.	Samples extracted within 7 days from collection?	✓		
-	Samples analyzed within 40 days from extraction?	✓		
-	Internal Standard RT ± 0.5 min. from CCV?	✓		
-	Internal Standard Areas -50% to + 100 ~~200~~% of 10 ~~ppb~~ µg/mL std. in ICAL?	✓		
-	Maximum of 20 samples in batch?	✓		
-	Surrogate recoveries within Historical Limits?	✓		

Comments: IS Element ID (s): PID2037 (1,4-DCB-d4)

Review Signatures:	Analyst: C Lawrie	Date: 3/16/11
	Reviewer: Amy Lewrigh	Date: 3/17/11

[1]) NA: Not Applicable

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL DATA

METHOD: EPA 8270C

DATE: 03/14/11

WORK ORDER: PUC0635-01,02 & 03

TestAmerica
Phoenix

GCMS 14 - RUN LOGBOOK

Sequence Name: D:¥msdchem¥1¥GCMS14¥sequence¥031411.S
Comment:
Operator: CL
Data Path: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

a 3/15/11

Line			Sample Name/Misc Info		
1)	Sample	1	03141101	DB5MS14	DCM
2)	Sample	2	03141102	DB5MS14	DCM
3)	Sample	3	03141103	DB5MS14	25ng tune std pu01447
4)	Sample	4	03141104	DIOXANE	dcm
5)	Sample	5	03141105	DIOXANE	10ug/mL 14-diox -01520
6)	Sample	6	03141106	DIOXANE	DCM
7)	Sample	7	03141107	DIOXANE	11C0359-BLK1
8)	Sample	8	03141108	DIOXANE	PUC0525-09
9)	Sample	9	03141109	DIOXANE	PUC0526-01
10)	Sample	10	03141110	DIOXANE	DCM
11)	Sample	11	03141111	DIOXANE	11C0426-BLK1
12)	Sample	12	03141112	DIOXANE	11C0426-BS1
13)	Sample	13	03141113	DIOXANE	11C0426-BSD1
14)	Sample	14	03141114	DIOXANE	PUC0635-01
15)	Sample	15	03141115	DIOXANE	PUC0635-02
16)	Sample	16	03141116	DIOXANE	PUC0635-03
17)	Sample	17	03141117	DIOXANE	PUC0637-01
18)	Sample	18	03141118	DIOXANE	PUC0637-02
19)	Sample	19	03141119	DIOXANE	PUC0637-04
20)	Sample	20	03141120	DIOXANE	DCM
21)	Sample	21	03141121	DIOXANE	DCM

a 3-15-11

Sequence Reviewed By: a Date: 3-15-11

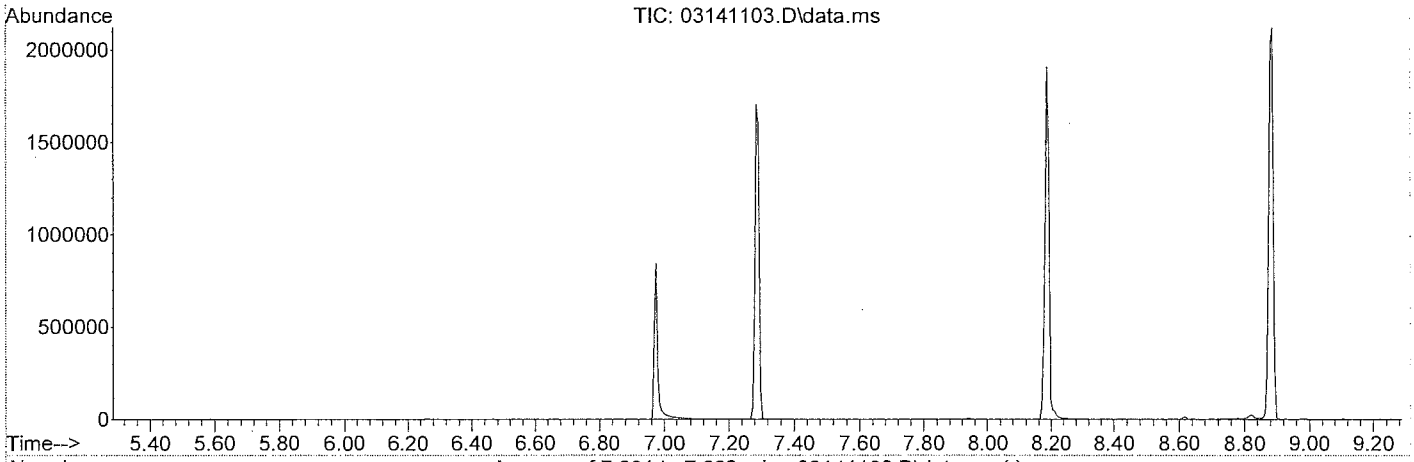
Date Analyzed: 3-15-11 Analyst: a Date Run: 3-14-11

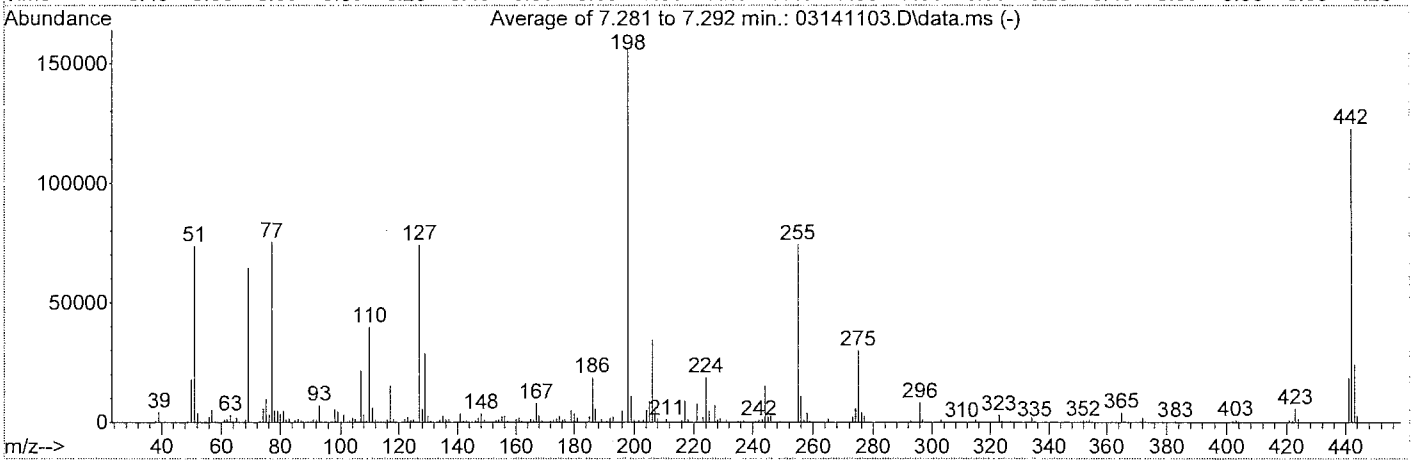
DFTPP

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥0311411¥
Data File : 03141103.D
Acq On : 14 Mar 2011 3:02 pm
Operator : CL
Sample : 25ng tune std pu01447
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: rteint.p

Method : D:¥msdchem¥1¥GCMS14¥METHODS¥TUNE8270.M
Title : DFTPP, TAILING EVA. :ACID<5.0, BN<3.0, DEG. <=20%
Last Update : Thu Feb 17 11:44:41 2011





AutoFind: Scans 952, 953, 954; Background Corrected with Scan 947

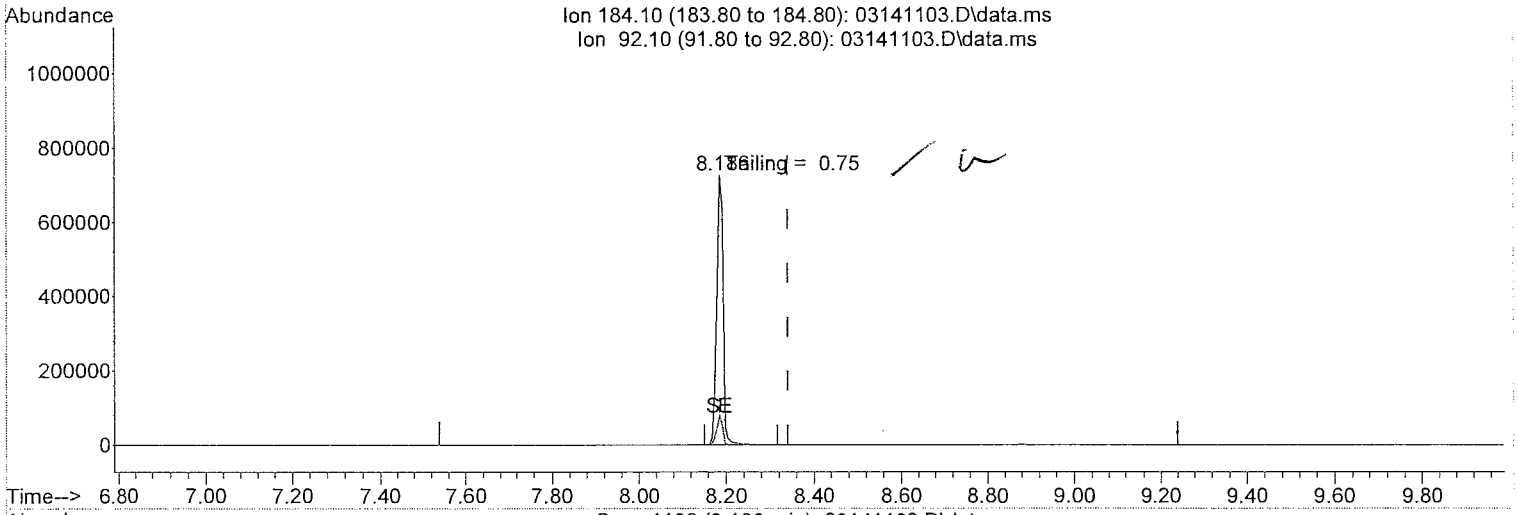
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	47.2	73661	PASS
68	69	0.00	2	1.5	975	PASS
69	198	0.00	100	41.3	64397	PASS
70	69	0.00	2	0.5	338	PASS
127	198	40	60	47.5	74112	PASS
197	198	0.00	1	0.3	472	PASS
198	198	100	100	100.0	156050	PASS
199	198	5	9	6.8	10686	PASS
275	198	10	30	19.3	30052	PASS
365	198	1	100	2.5	3941	PASS
441	443	0.01	100	76.4	18332	PASS
442	198	40	100	78.6	122698	PASS
443	442	17	23	19.5	23982	PASS

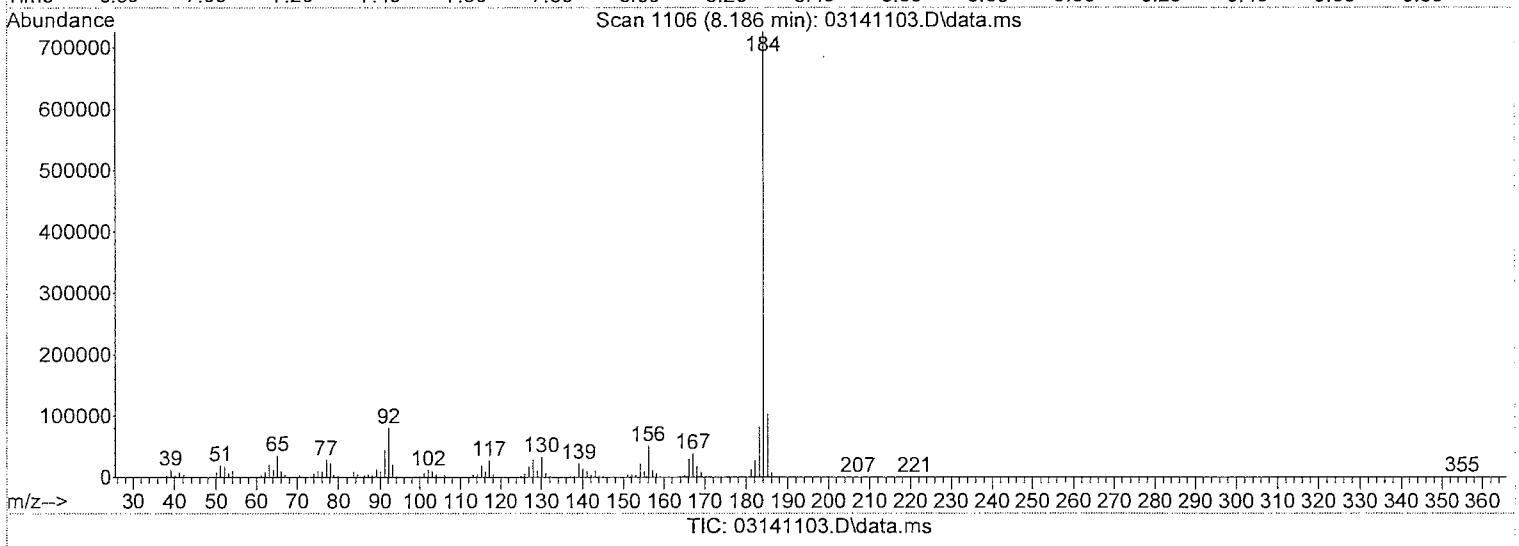
03-16-11

Quantitation Report (Qedit)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥0311411¥
Data File : 03141103.D
Acq On : 14 Mar 2011 3:02 pm
Operator : CL
Sample : 25ng tune std pu01447
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 14 15:19:36 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥TUNE8270.M
Quant Title : DFTPP, TAILING EVA. :ACID<5.0, BN<3.0, DEG. <=20%
QLast Update : Thu Feb 17 11:44:41 2011
Response via : Continuing Cal File: D:¥msdchem¥1¥GCMS14¥DATA¥091010A¥09101002.D





(2) Benzidine

8.186min (-0.153) 9.29

response 729701

Ion	Exp%	Act%
184.10	100	100
92.10	10.20	10.13
0.00	0.00	0.00
0.00	0.00	0.00

3/17/11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031411¥
Data File : 03141105.D
Acq On : 14 Mar 2011 3:54 pm
Operator : CL
Sample : 10ug/mL 14-diox -01520
Misc : CCV
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 16:16:45 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.775	96	272164	20.00 ug/mL	0.03
3) 1,4-Dichlorobenzene-d4	5.992	152	232291	10.00 ug/mL	-0.02
System Monitoring Compounds					
6) Nitrobenzene-d5	6.463	82	395089	9.49 ug/mL	-0.02
Target Compounds					Qvalue
2) 1,4-Dioxane	2.822	88	143271	10.34 ug/mL	96
4) 1,4-Dichlorobenzene	6.010	146	400994	10.50 ug/mL	100
5) N-Nitrosodi-n-propylamine	6.328	70	278815	10.04 ug/mL	99

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

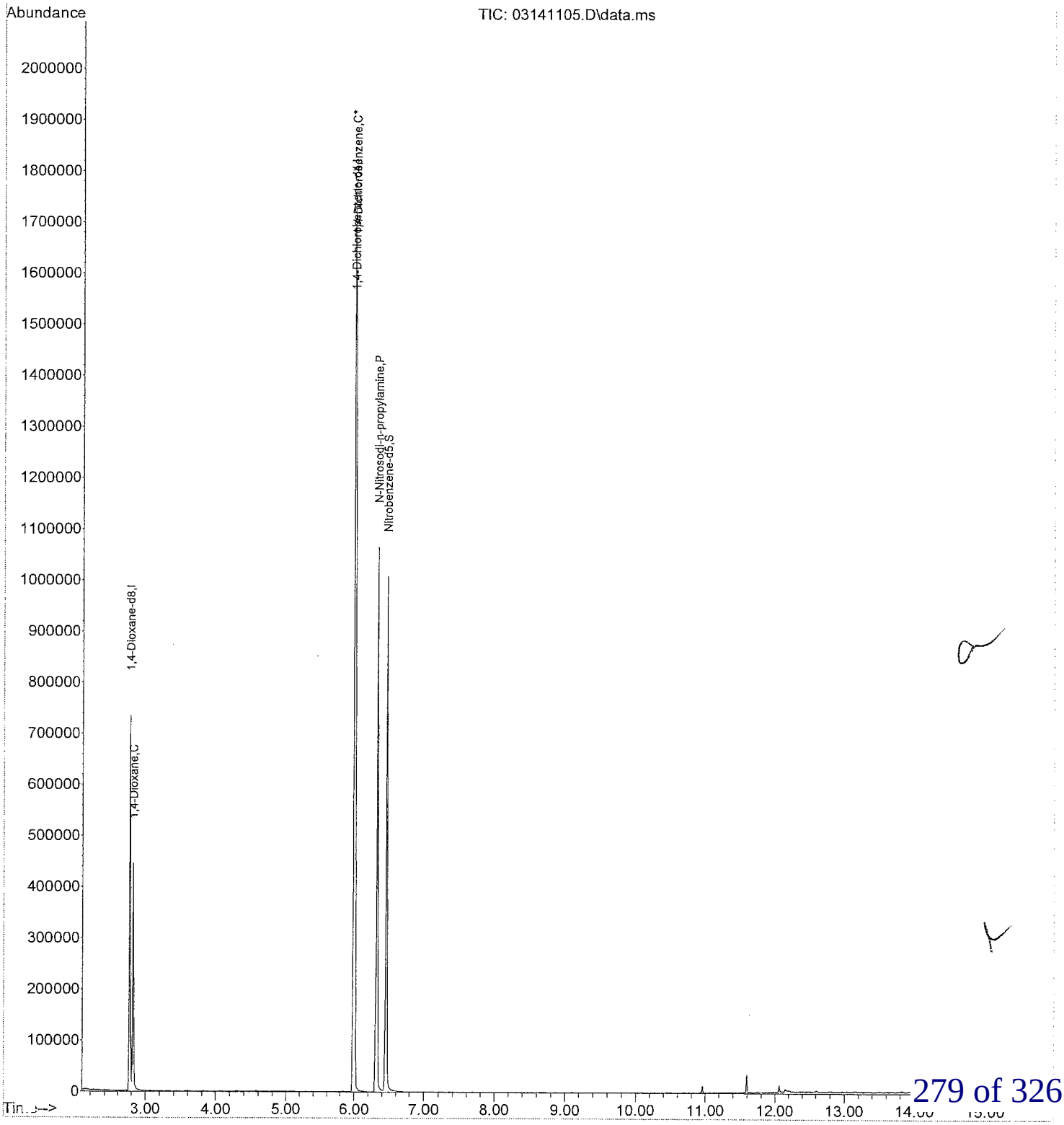
03-16-11

3/17/11

Quantitation Report (QT Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031411¥
Data File : 03141105.D
Acq On : 14 Mar 2011 3:54 pm
Operator : CL
Sample : 10ug/mL 14-diox -01520
Misc : CCV
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 16:16:45 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration



010511D.M Mon Mar 14 16:17:09 2011

Evaluate Continuing Calibration Report

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031411¥
Data File : 03141105.D
Acq On : 14 Mar 2011 3:54 pm
Operator : CL
Sample : 10ug/mL 14-diox -01520
Misc : CCV
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 16:16:45 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 40% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 400%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dioxane-d8	1.000	1.000	0.0	83	0.03
2 C	1,4-Dioxane	1.018	1.053	-3.4	84	0.03
3 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	-0.02
4 C*	1,4-Dichlorobenzene	1.644	1.726	-5.0	99	-0.02
5 P	N-Nitrosodi-n-propylamine	1.195	1.200	-0.4	91	-0.02
6 S	Nitrobenzene-d5	1.792	1.701	5.1	87	-0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

03-06-11

3/17/11

Compound List Report GCMS14

Method Path : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\
Method File : 010511D.M
Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
Last Update : Mon Feb 28 10:27:25 2011
Response Via : Initial Calibration

Total Cpnds : 6

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	1,4-Dioxane-d8	96	2.746	1.000	A	1	A	B
2	C	1,4-Dioxane	88	2.793	1.017	A	2	A	B
3	I	1,4-Dichlorobenzene-d4	152	6.010	1.000	A	0	A	B
4	C*	1,4-Dichlorobenzene	146	6.028	1.003	A	1	A	B
5	P	N-Nitrosodi-n-propylamine	70	6.345	1.056	A	1	A	B
6	S	Nitrobenzene-d5	82	6.481	1.078	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

010511D.M Mon Mar 14 16:18:58 2011

03.16.11

3/17/11

Sample Name 10ug/mL 14-diox -01520
Data File Name 03141105.D
Data File Path D:\msdchem\1\GCMS14\DATA\031411\
Operator CL
Date Acquired 3/14/2011 15:54
Misc Info CCV
Instrument Name GCMS14

10ug/mL PU00063
01051110.D
D:\msdchem\1\GCMS14\DATA\010511\

	NAME	RT	CCV RRT Value (Target/IS)	mid-RT 010511.M	AGREE -0.06	AGREE 0.06	PASS/FAIL
IS	1,4-Dioxane-d8	2.775					
	1,4-Dioxane	2.822	1.0170	1.0178	0.9578	1.0778	<-PASS
IS	1,4-Dichlorobenzene-d4	5.992					
	1,4-Dichlorobenzene	6.010	1.0029	1.0019	0.9419	1.0619	<-PASS
	N-Nitrosodi-n-propylamine	6.328	1.0559	1.0541	0.9941	1.1141	<-PASS
	Nitrobenzene-d5	6.463	1.0785	1.0763	1.0163	1.1363	<-PASS

3-16-11

3/17/11

Sample Name 10ug/mL 14-diox -01520
Data File Name 03141105.D
Data File Path D:\msdchem\1\GCMS14\DATA\031411\
Operator CL
Date Acquired 3/14/2011 15:54
Misc Info CCV
Instrument Name GCMS14

10ug/mL PU00063
01051110.D
D:\msdchem\1\GCMS14\DATA\010511\
DIOX010511.M

	CCV RESPONSE	**ICAL** RESPONSE	0.5X	2X	**PASS/FAIL**
Internal Standard					
1,4-Dichlorobenzene-d4	232291	243008	121504	486016	<-PASS

Internal Standard	RT	RT	-0.5min.	+0.5min	
1,4-Dichlorobenzene-d4	5.99	6.09	5.59	6.59	<-PASS

AJ-16-11

3/17/11

Sample Name 10ug/mL 14-diox -01520
Data File Name 03141105.D
Data File Path D:\msdchem\1\GCMS14\DATA\031411\
Operator CL
Date Acquired 3/14/2011 15:54
Misc Info CCV
Instrument Name GCMS14

10ug/mL 14-diox -01520
03141105.D
D:\msdchem\1\GCMS14\DATA\031411\

	SAMPLE RESPONSE	CCV RESPONSE	0.5X	2X	PASS/FAIL
Internal Standard					
1,4-Dichlorobenzene-d4	232291	232291	116145.5	464582	<-PASS

Internal Standard	RT	RT	-0.5min.	+0.5min	
1,4-Dichlorobenzene-d4	5.99	5.99	5.49	6.49	<-PASS

Daily update
on 3-16-11

3/17/11

Quantitation Report (QT Reviewed)

Data Path : D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥
Data File : 03141105.D
Acq On : 14 Mar 2011 3:54 pm
Operator : CL
Sample : 10ug/mL 14-diox -01520
Misc : CCV
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 16 13:21:00 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥03141105.D

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.992	152	232291	10.00 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane-d8	2.775	96	272164	20.00 ug/mL	100

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

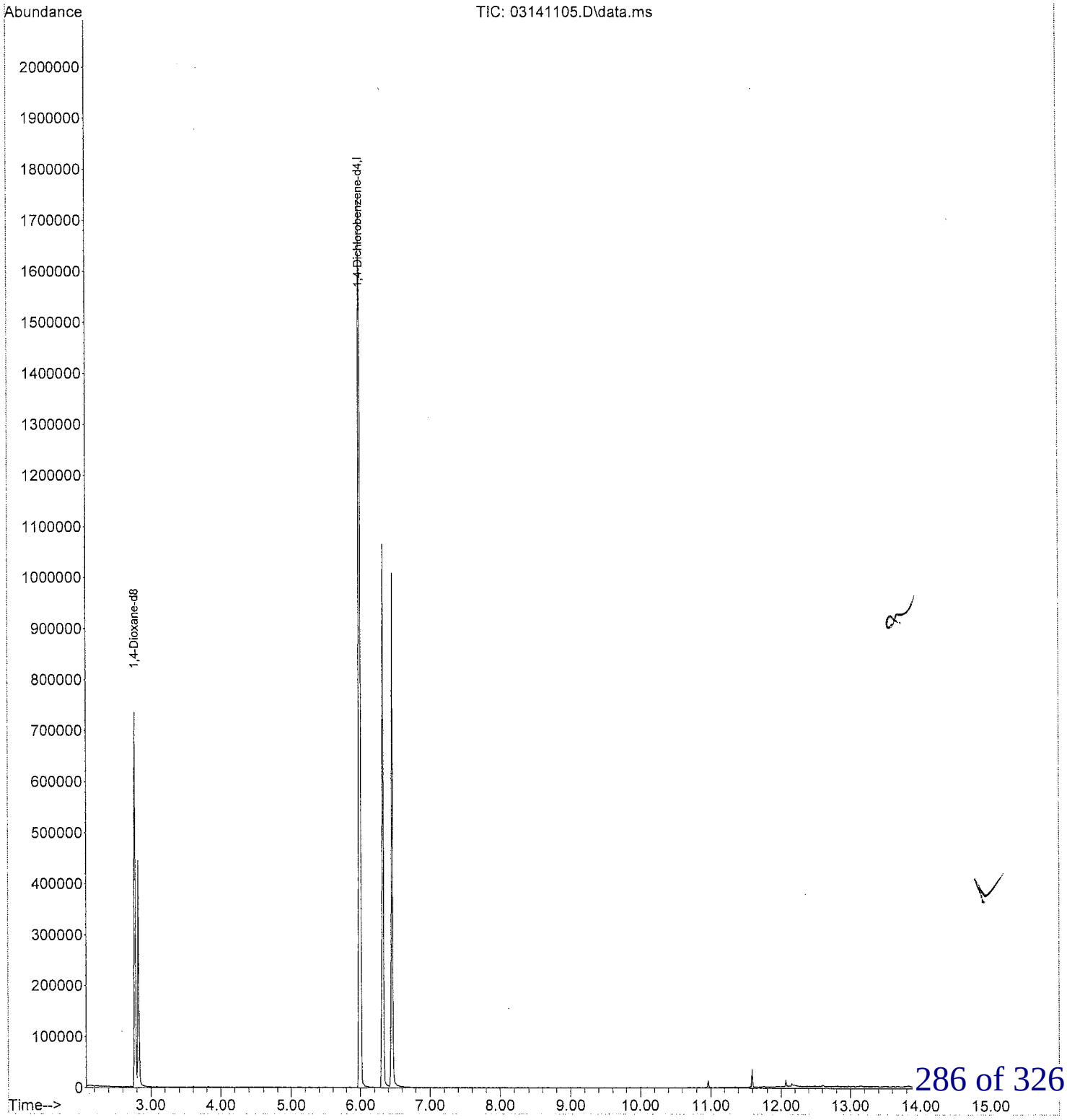
update
a 3-16-11

3/17/11

Quantitation Report (QT Reviewed)

Data Path : D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥
Data File : 03141105.D
Acq On : 14 Mar 2011 3:54 pm
Operator : CL
Sample : 10ug/mL 14-diox -01520
Misc : CCV
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 16 13:21:00 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥03141105.D



Calibration Status Report GCMS14

Method Path : D:\msdchem\1\GCMS14\METHODS\14DIOXD8\
Method File : 031411_D8.M
Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
Last Update : Wed Mar 16 13:20:28 2011
Response Via : Continuing Calibration

#	ID	Conc	ISTD Conc	Path\File
1	1	20	10	D:\MSDCHEM\1\GCMS14\DATA\031411\03141105.D
2	CC	20	10	D:\MSDCHEM\1\GCMS14\DATA\031411\03141105.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Mar 16 13:20 2011	Mar 16 13:19 2011	14 Mar 2011 3:54 pm
2	CC	Mar 16 13:20 2011	Mar 16 13:19 2011	14 Mar 2011 3:54 pm

)31411_D8.M Wed Mar 16 13:20:39 2011

3.16.11

3/17/11

Compound List Report GCMS14

Method Path : D:\msdchem\1\GCMS14\METHODS\14DIOXD8\
Method File : 031411_D8.M
Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
Last Update : Wed Mar 16 13:20:28 2011
Response Via : Continuing Calibration

Total Cpnds : 2

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1 I	1,4-Dichlorobenzene-d4	152	5.992	1.000	A	0	A	B
2	1,4-Dioxane-d8	96	2.775	0.463	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

)31411_D8.M Wed Mar 16 13:20:46 2011

3-16-11

3/17/11

Response Factor Report GCMS14

Method Path : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥
Method File : 031411_D8.M
Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
Last Update : Wed Mar 16 13:20:28 2011
Response Via : Continuing Calibration

Calibration Files
1 =03141105.D

Compound	1	Avg	%RSD
1) I 1,4-Dichlorobenzen...	----------ISTD----------		
2) 1,4-Dioxane-d8	0.586	0.586	0.00

(#) = Out of Range

Q 3.16.11

3/16/11

Quantitation Report (~~Not~~ Reviewed)

03-16-11

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031411¥
Data File : 03141111.D
Acq On : 14 Mar 2011 7:08 pm
Operator : CL
Sample : 11C0426-BLK1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 15 10:07:41 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.822	96	176550	20.00 ug/mL	0.08
3) 1,4-Dichlorobenzene-d4	5.992	152	221069	10.00 ug/mL	-0.02
System Monitoring Compounds					
6) Nitrobenzene-d5	6.463	82	681959	17.21 ug/mL	-0.02
Target Compounds					Qvalue
4) 1,4-Dichlorobenzene	5.992	146	642	0.02 ug/mL#	1

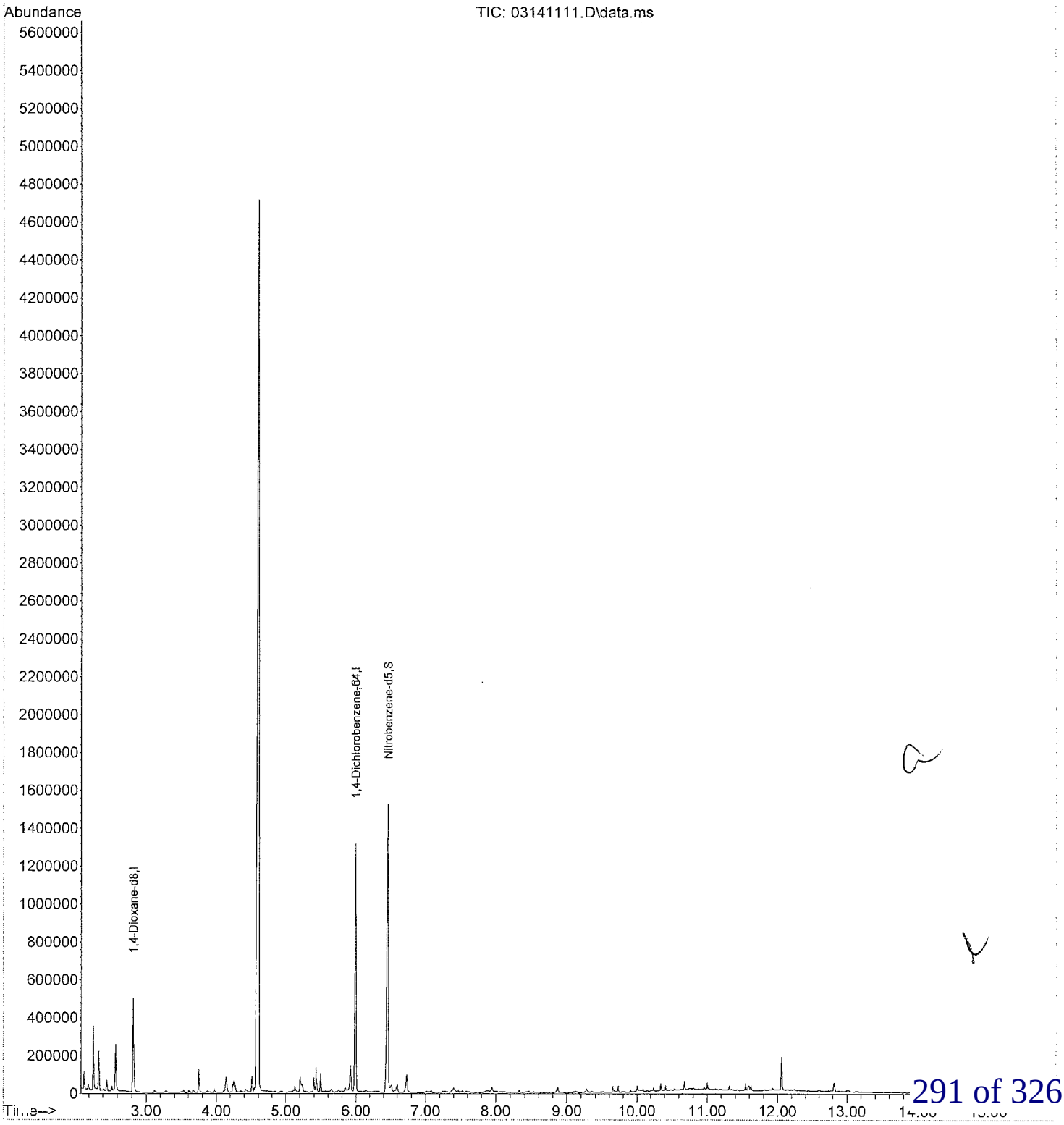
(#) = qualifier out of range (m) = manual integration (+) = signals summed

3/17/11

Quantitation Report (Not Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031411¥
Data File : 03141111.D
Acq On : 14 Mar 2011 7:08 pm
Operator : CL
Sample : 11C0426-BLK1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 15 10:07:41 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration



Sample Name 11C0426-BLK1
Data File Name 03141111.D
Data File Path D:\MSDCHEM\1\GCMS14\DATA\031411\
Operator CL
Date Acquired 3/14/2011 19:08
Misc Info
Instrument Name GCMS14

10ug/mL 14-diox -01520
03141105.D
D:\msdchem\1\GCMS14\DATA\031411\

	SAMPLE RESPONSE	CCV RESPONSE	0.5X	2X	PASS/FAIL
Internal Standard					
1,4-Dichlorobenzene-d4	221069	232291	116145.5	464582	<-PASS

Internal Standard	RT	RT	-0.5min.	+0.5min	
1,4-Dichlorobenzene-d4	5.99	5.99	5.49	6.49	<-PASS

3/17/11

Quantitation Report (~~Not~~ Reviewed)

03-16-11

Data Path : D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥
Data File : 03141111.D
Acq On : 14 Mar 2011 7:08 pm
Operator : CL
Sample : 11C0426-BLK1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 16 13:24:11 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥03141105.D

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.992	152	221069	10.00 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane-d8	2.822	96	176550	13.63 ug/mL	100

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

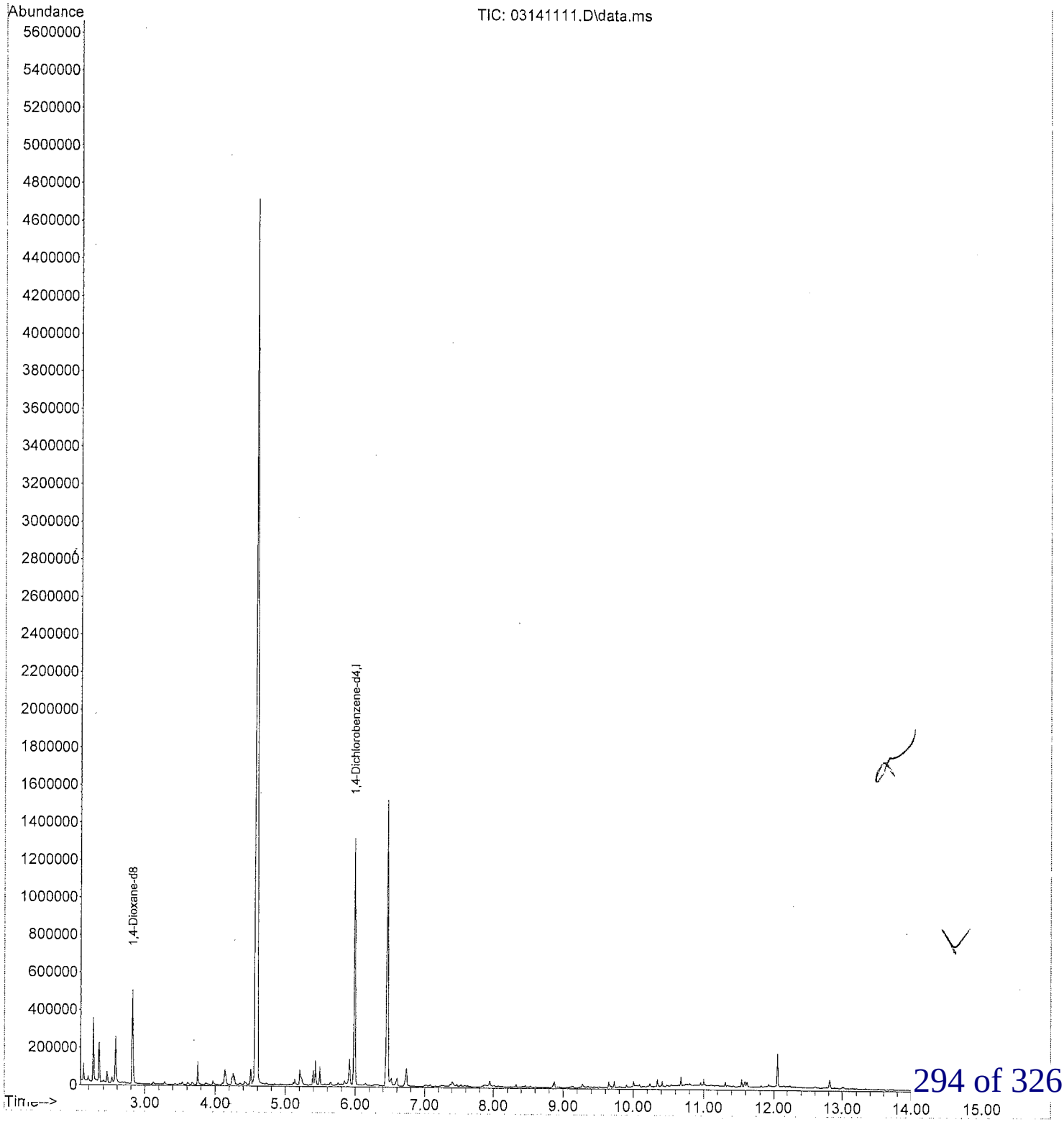
03-16-11

3/17/11

Quantitation Report (Not Reviewed)

Data Path : D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥
Data File : 03141111.D
Acq On : 14 Mar 2011 7:08 pm
Operator : CL
Sample : 11C0426-BLK1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 16 13:24:11 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥03141105.D



031411_D8.M Wed Mar 16 13:24:13 2011

Quantitation Report (~~Not~~ Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031411¥
Data File : 03141112.D
Acq On : 14 Mar 2011 7:34 pm
Operator : CL
Sample : 11C0426-BS1
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 15 10:07:46 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

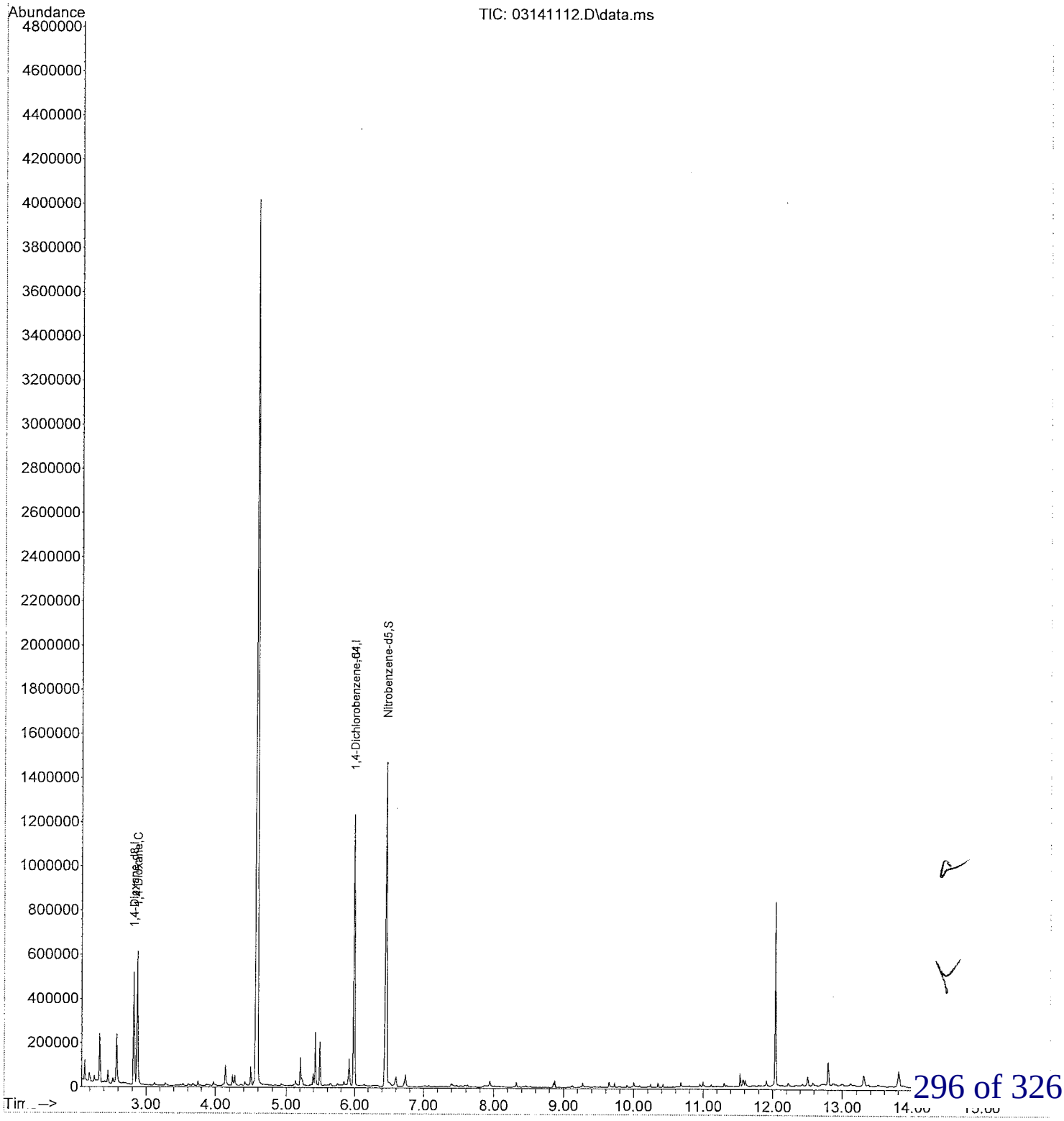
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.822	96	183428	20.00 ug/mL	0.08
3) 1,4-Dichlorobenzene-d4	5.992	152	212973	10.00 ug/mL	-0.02
System Monitoring Compounds					
6) Nitrobenzene-d5	6.463	82	664725	17.42 ug/mL	-0.02
Target Compounds					Qvalue
2) 1,4-Dioxane	2.875	88	193720	20.75 ug/mL	96
4) 1,4-Dichlorobenzene	5.998	146	497	0.01 ug/mL#	1

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

Quantitation Report (Not Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031411¥
Data File : 03141112.D
Acq On : 14 Mar 2011 7:34 pm
Operator : CL
Sample : 11C0426-BS1
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 15 10:07:46 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration



010511D.M Tue Mar 15 10:07:49 2011

Sample Name 11C0426-BS1
Data File Name 03141112.D
Data File Path D:\MSDCHEM\1\GCMS14\DATA\031411\
Operator CL
Date Acquired 3/14/2011 19:34
Misc Info
Instrument Name GCMS14

10ug/mL 14-diox -01520
03141105.D
D:\msdchem\1\GCMS14\DATA\031411\

	SAMPLE RESPONSE	CCV RESPONSE	0.5X	2X	PASS/FAIL
Internal Standard					
1,4-Dichlorobenzene-d4	212973	232291	116145.5	464582	<-PASS

Internal Standard	RT	RT	-0.5min.	+0.5min	
1,4-Dichlorobenzene-d4	5.99	5.99	5.49	6.49	<-PASS

3/17/11

Quantitation Report (Not Reviewed)

a 3-16-11

Data Path : D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥
Data File : 03141112.D
Acq On : 14 Mar 2011 7:34 pm
Operator : CL
Sample : 11C0426-BS1
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 16 13:24:15 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥03141105.D

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.992	152	212973	10.00 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane-d8	2.822	96	183428	14.70 ug/mL	98

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

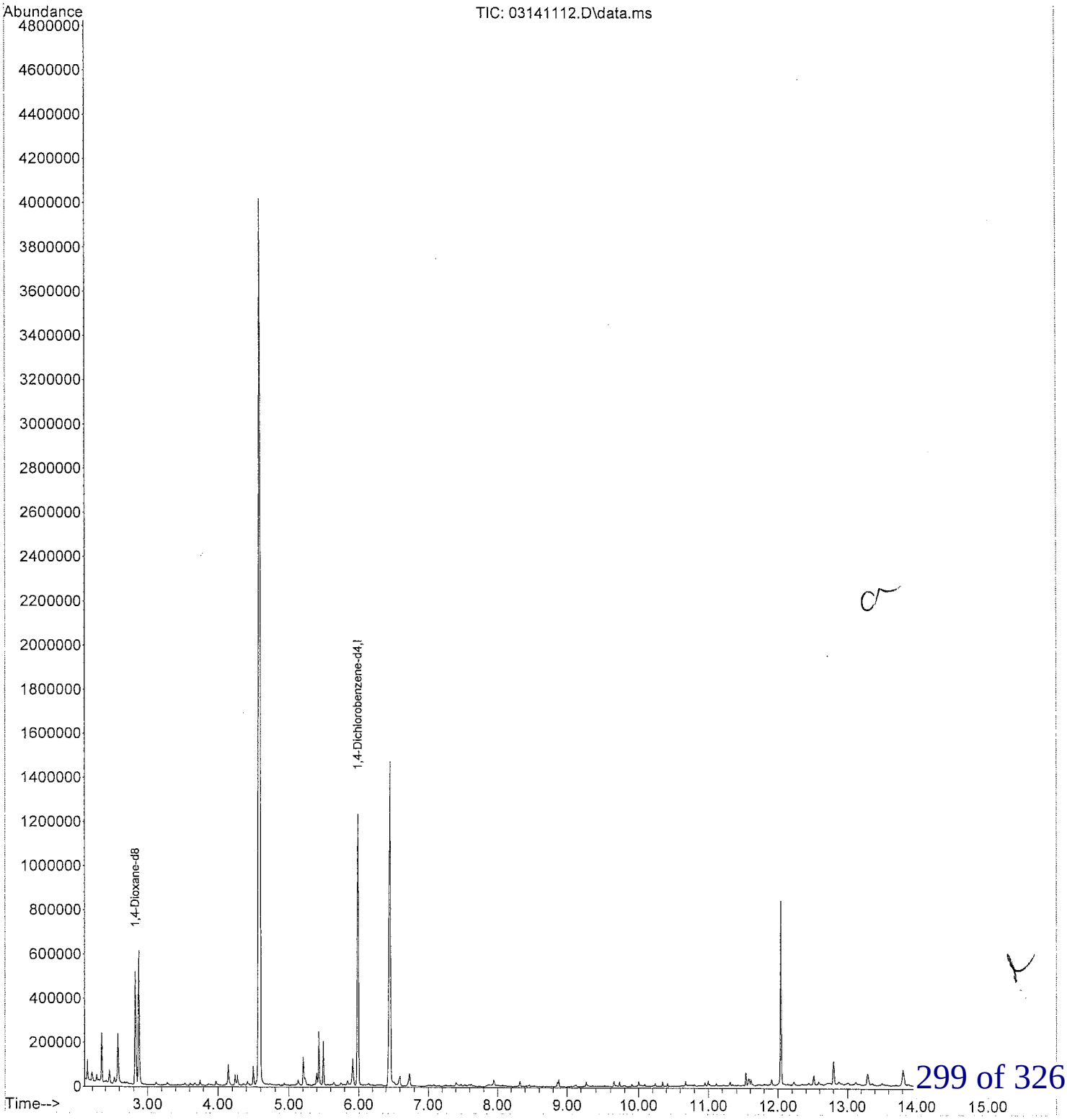
a 3-16-11

3/17/11

Quantitation Report (Not Reviewed)

Data Path : D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥
Data File : 03141112.D
Acq On : 14 Mar 2011 7:34 pm
Operator : CL
Sample : 11C0426-BS1
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 16 13:24:15 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥03141105.D



031411_D8.M Wed Mar 16 13:24:17 2011

Quantitation Report (Not Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031411¥
Data File : 03141113.D
Acq On : 14 Mar 2011 8:01 pm
Operator : CL
Sample : 11C0426-BSD1
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 10:07:51 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

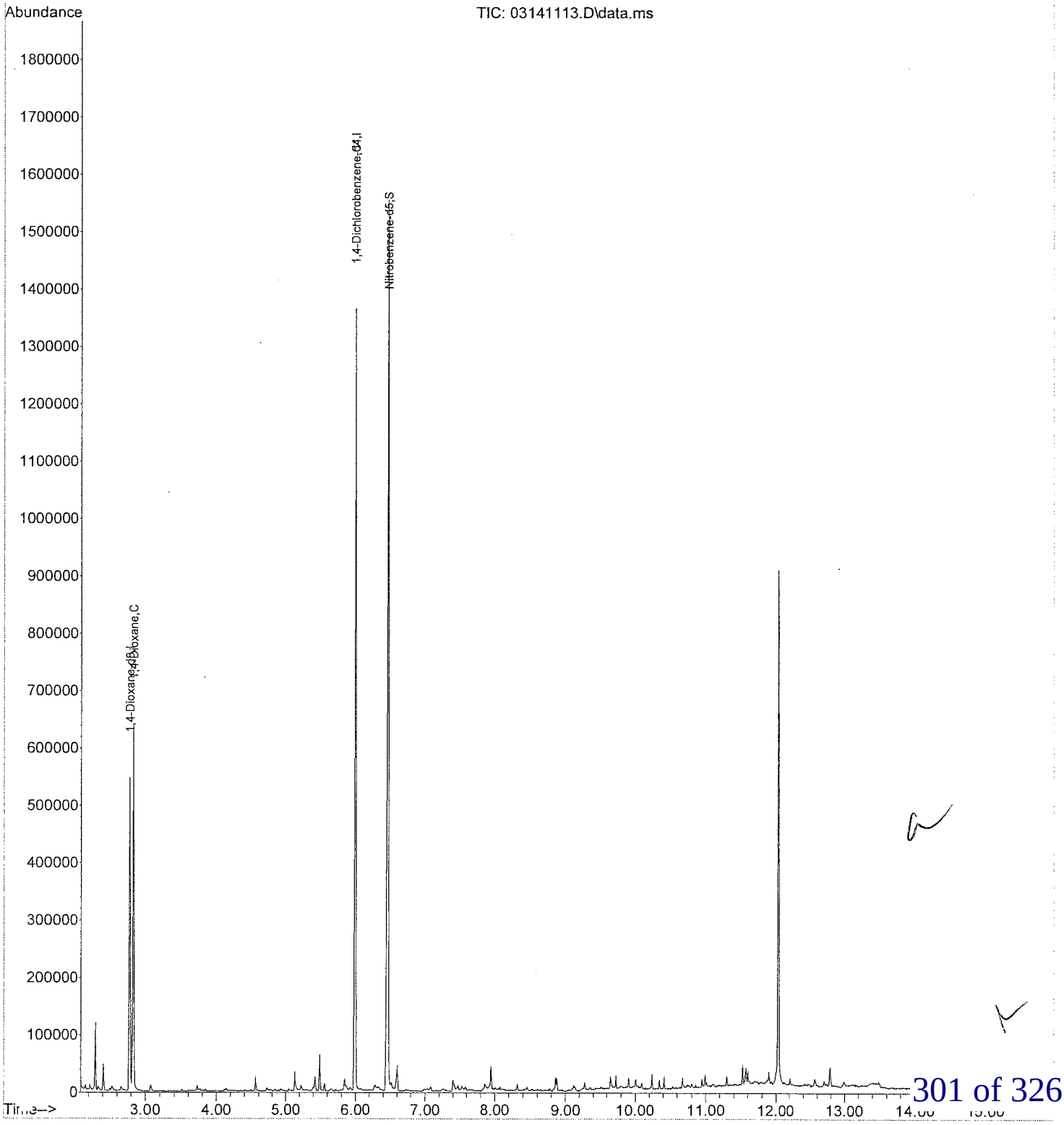
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.775	96	200803	20.00 ug/mL	0.03
3) 1,4-Dichlorobenzene-d4	5.992	152	219677	10.00 ug/mL	-0.02
System Monitoring Compounds					
6) Nitrobenzene-d5	6.463	82	671937	17.07 ug/mL	-0.02
Target Compounds					Qvalue
2) 1,4-Dioxane	2.828	88	211809	20.73 ug/mL	97
4) 1,4-Dichlorobenzene	5.998	146	474	0.01 ug/mL#	1

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

Quantitation Report (Not Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031411¥
Data File : 03141113.D
Acq On : 14 Mar 2011 8:01 pm
Operator : CL
Sample : 11C0426-BSD1
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 15 10:07:51 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration



010511D.M Tue Mar 15 10:07:54 2011

Sample Name 11C0426-BSD1
Data File Name 03141113.D
Data File Path D:\MSDCHEM\1\GCMS14\DATA\031411\
Operator CL
Date Acquired 3/14/2011 20:01
Misc Info
Instrument Name GCMS14

10ug/mL 14-diox -01520
03141105.D
D:\msdchem\1\GCMS14\DATA\031411\

	SAMPLE RESPONSE	CCV RESPONSE	0.5X	2X	PASS/FAIL
Internal Standard					
1,4-Dichlorobenzene-d4	219677	232291	116145.5	464582	<-PASS

Internal Standard	RT	RT	-0.5min.	+0.5min	
1,4-Dichlorobenzene-d4	5.99	5.99	5.49	6.49	<-PASS

3/17/11

Quantitation Report (Not Reviewed)

03-16-11

Data Path : D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥
Data File : 03141113.D
Acq On : 14 Mar 2011 8:01 pm
Operator : CL
Sample : 11C0426-BSD1
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 16 13:24:19 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥03141105.D

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.992	152	219677	10.00 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane-d8	2.775	96	200803	15.60 ug/mL	99

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

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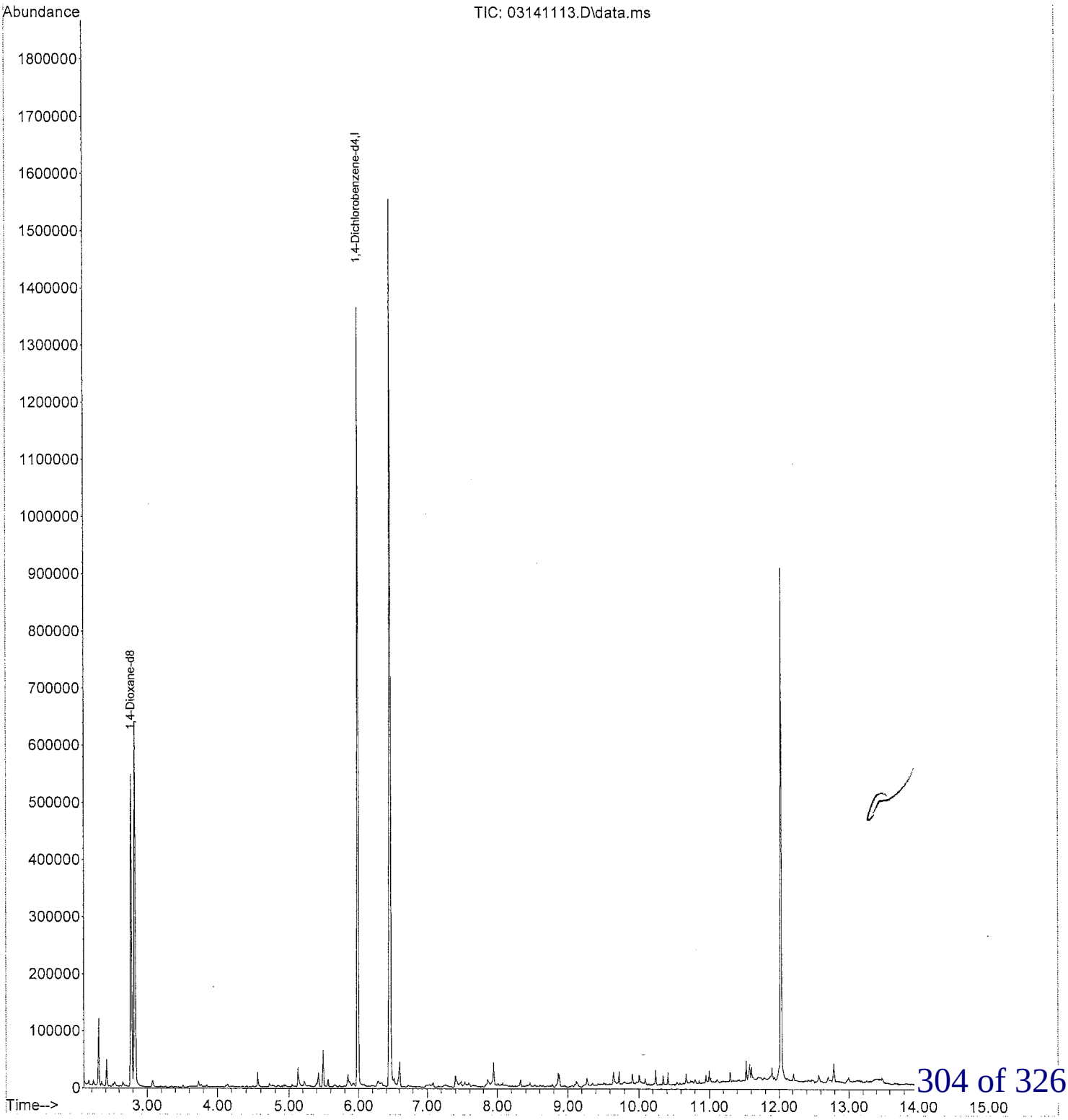
3/17/11

Quantitation Report (Not Reviewed)

Data Path : D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥
Data File : 03141113.D
Acq On : 14 Mar 2011 8:01 pm
Operator : CL
Sample : 11C0426-BSD1
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 16 13:24:19 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥03141105.D



Quantitation Report (QT Reviewed)

Data Path : n:\DATA\031411\
Data File : 03141114.D
Acq On : 14 Mar 2011 8:27 pm
Operator : CL
Sample : PUC0635-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 16 11:01:27 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dioxane-d8	2.85	96	185334m	20.00	ug/mL	0.11
3) 1,4-Dichlorobenzene-d4	5.99	152	222960	10.00	ug/mL	-0.02
System Monitoring Compounds						
6) Nitrobenzene-d5	6.46	82	713232	17.85	ug/mL	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.67	88	49	0.01	ug/mL#	1
4) 1,4-Dichlorobenzene	6.00	146	859	0.02	ug/mL#	1

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

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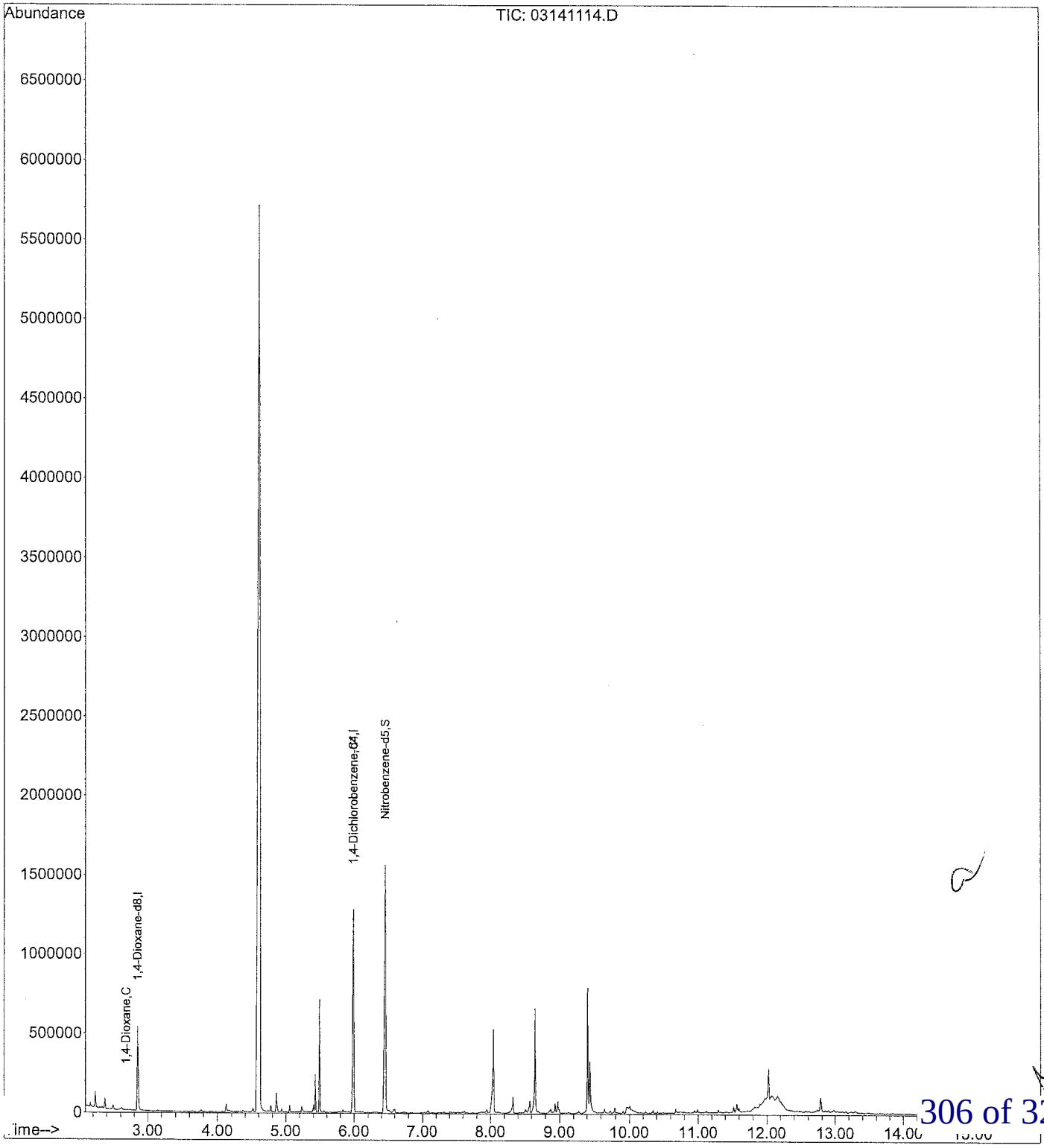
Quantitation Report (QT Reviewed)

Data Path : n:\DATA\031411\
Data File : 03141114.D
Acq On : 14 Mar 2011 8:27 pm
Operator : CL
Sample : PUC0635-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 16 11:01:27 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

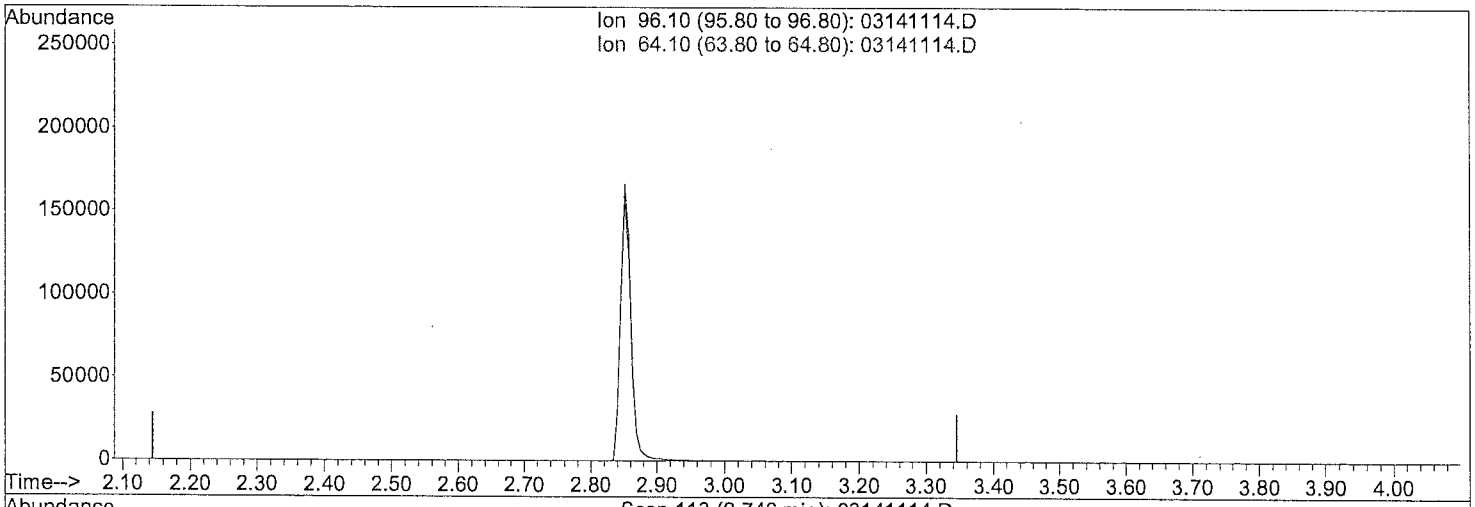


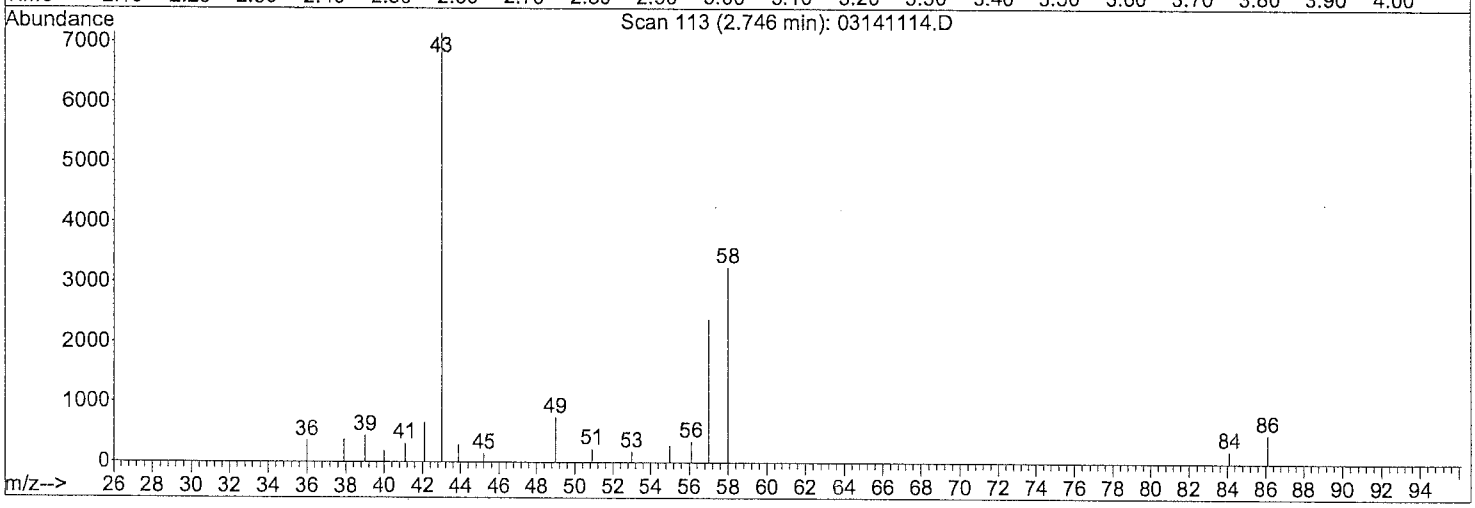
010511D.M Wed Mar 16 11:02:27 2011

Quantitation Report (Qedit)

Data Path : n:\DATA\031411\
Data File : 03141114.D
Acq On : 14 Mar 2011 8:27 pm
Operator : CL
Sample : PUC0635-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 15 10:07:56 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration





TIC: 03141114.D

(1) 1,4-Dioxane-d8 (I)

2.746min (-2.746) 0.00ug/mL

response 0

Ion	Exp%	Act%
96.10	100	0.00
64.10	93.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

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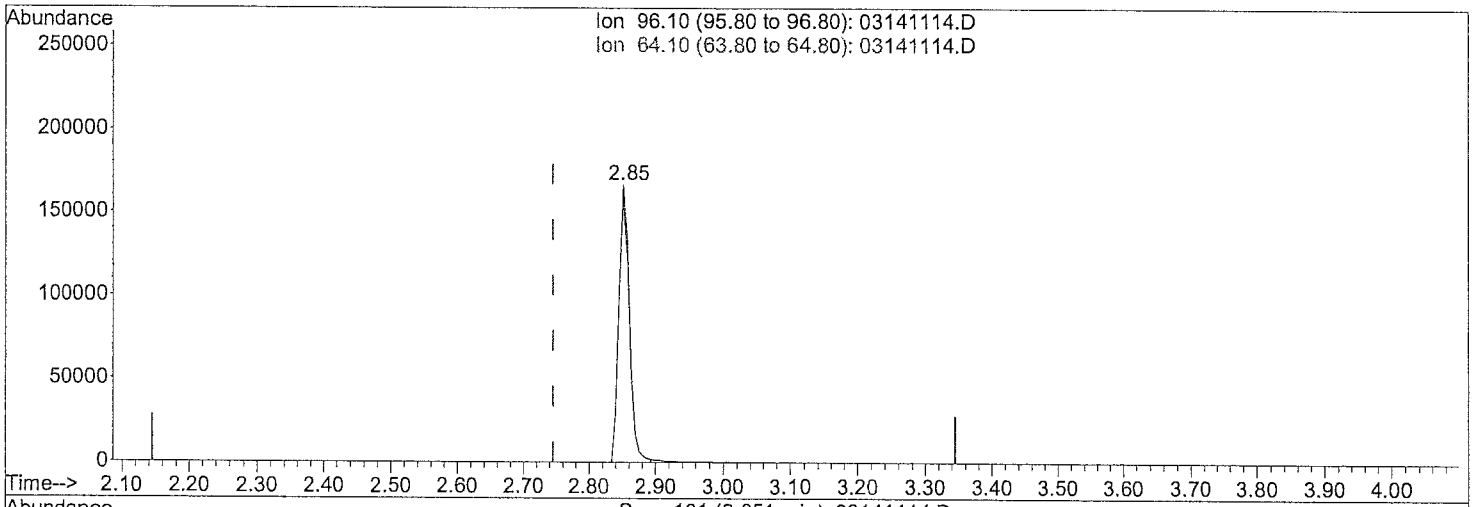
03-16-11

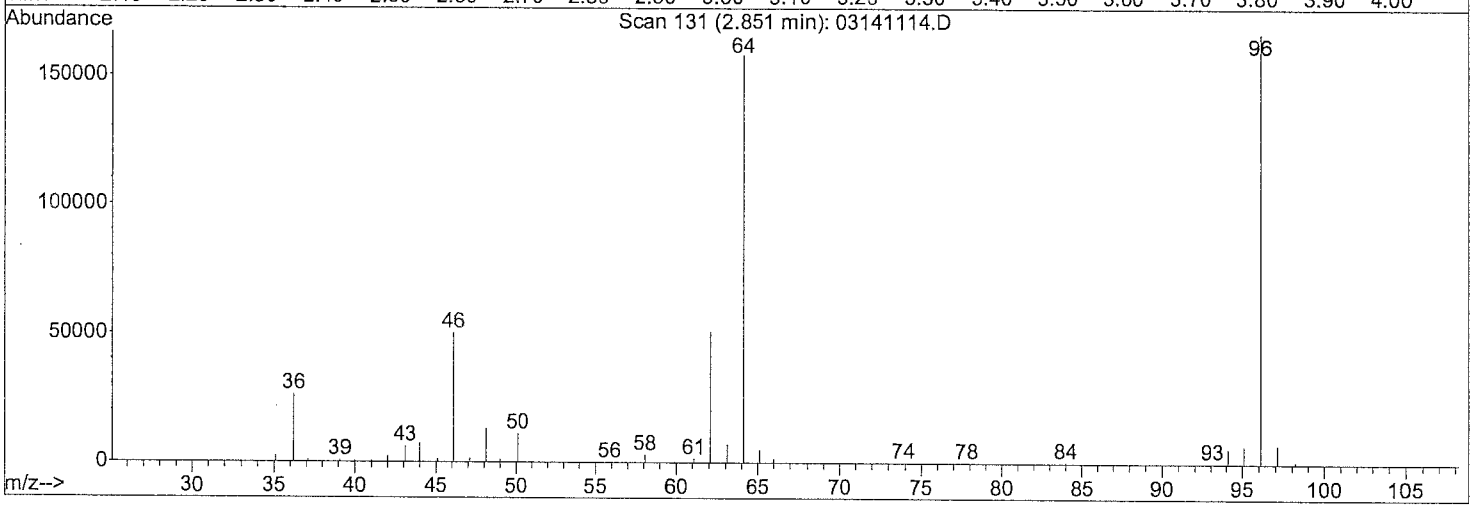
010511D.M Wed Mar 16 11:01:15 2011

Quantitation Report (Qedit)

Data Path : n:\DATA\031411\
Data File : 03141114.D
Acq On : 14 Mar 2011 8:27 pm
Operator : CL
Sample : PUC0635-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 15 10:07:56 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration





TIC: 03141114.D

(1) 1,4-Dioxane-d8 (I)

2.851min (+0.106) 20.00ug/mL m

response 185334

Ion	Exp%	Act%
96.10	100	100
64.10	93.60	92.99
0.00	0.00	0.00
0.00	0.00	0.00

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A 3/17/11

Sample Name PUC0635-01
Data File Name 03141114.D
Data File Path D:\MSDCHEM\1\GCMS14\DATA\031411\
Operator CL
Date Acquired 3/14/2011 20:27
Misc Info
Instrument Name GCMS14

10ug/mL 14-diox -01520
03141105.D
D:\msdchem\1\GCMS14\DATA\031411\

	SAMPLE RESPONSE	CCV RESPONSE	0.5X	2X	PASS/FAIL
Internal Standard					
1,4-Dichlorobenzene-d4	222960	232291	116145.5	464582	<-PASS

Internal Standard	RT	RT	-0.5min.	+0.5min	
1,4-Dichlorobenzene-d4	5.99	5.99	5.49	6.49	<-PASS

3/17/11

Quantitation Report (Not Reviewed)

03-16-11

Data Path : D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥
Data File : 03141114.D
Acq On : 14 Mar 2011 8:27 pm
Operator : CL
Sample : PUC0635-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 16 13:24:23 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥03141105.D

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.992	152	222960	10.00 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane-d8	2.851	96	188095	14.40 ug/mL	99

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

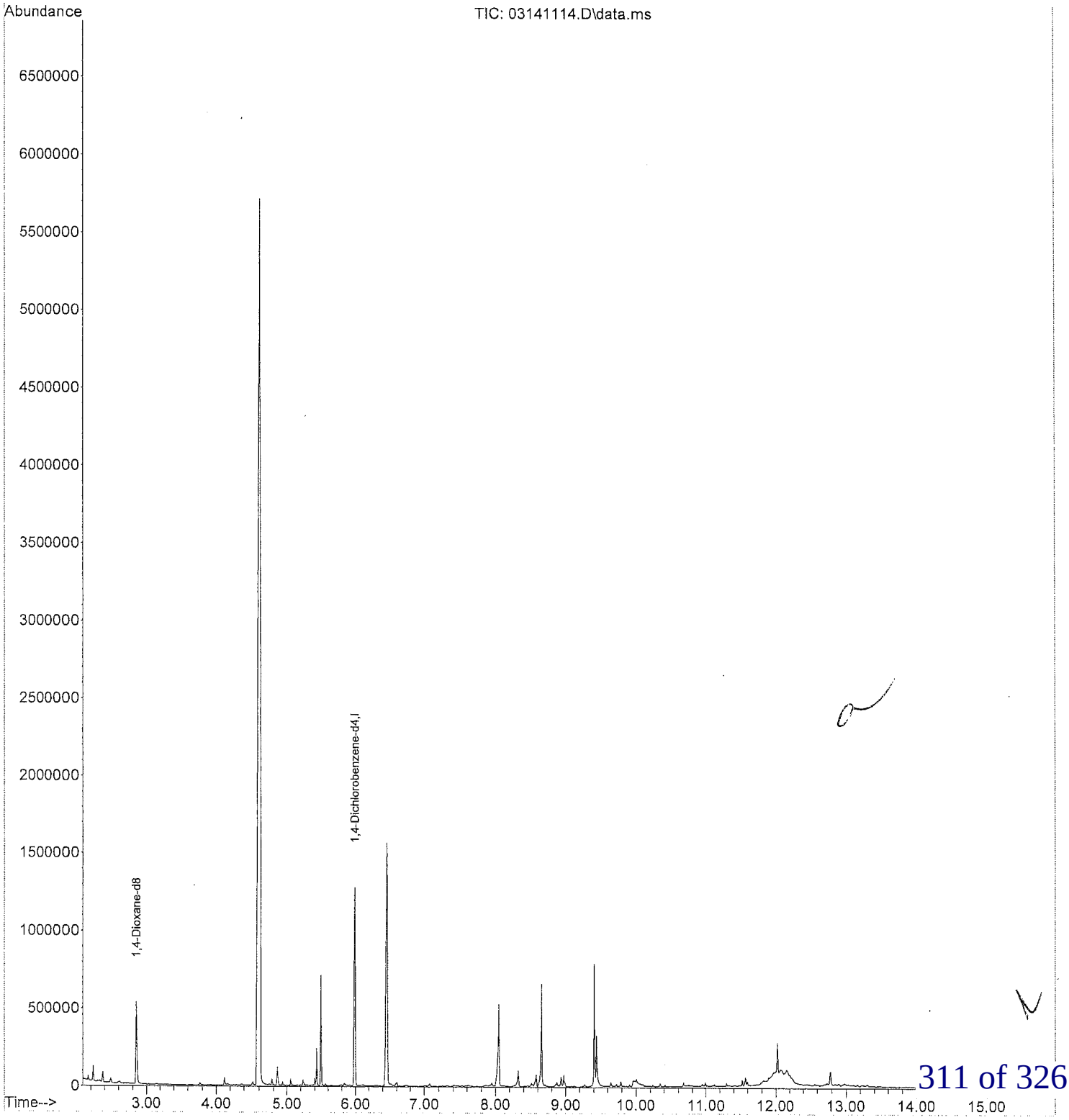
03-16-11

3/17/11

Quantitation Report (Not Reviewed)

Data Path : D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥
Data File : 03141114.D
Acq On : 14 Mar 2011 8:27 pm
Operator : CL
Sample : PUC0635-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 16 13:24:23 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥03141105.D



Quantitation Report (QT Reviewed)

Data Path : n:\DATA\031411\
Data File : 03141115.D
Acq On : 14 Mar 2011 8:54 pm
Operator : CL
Sample : PUC0635-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 16 11:03:11 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dioxane-d8	2.88	96	200098m	20.00	ug/mL	0.14
3) 1,4-Dichlorobenzene-d4	5.99	152	227758	10.00	ug/mL	-0.02
System Monitoring Compounds						
6) Nitrobenzene-d5	6.46	82	733752	17.98	ug/mL	-0.02
Target Compounds						Qvalue
4) 1,4-Dichlorobenzene	6.00	146	819	0.02	ug/mL#	1

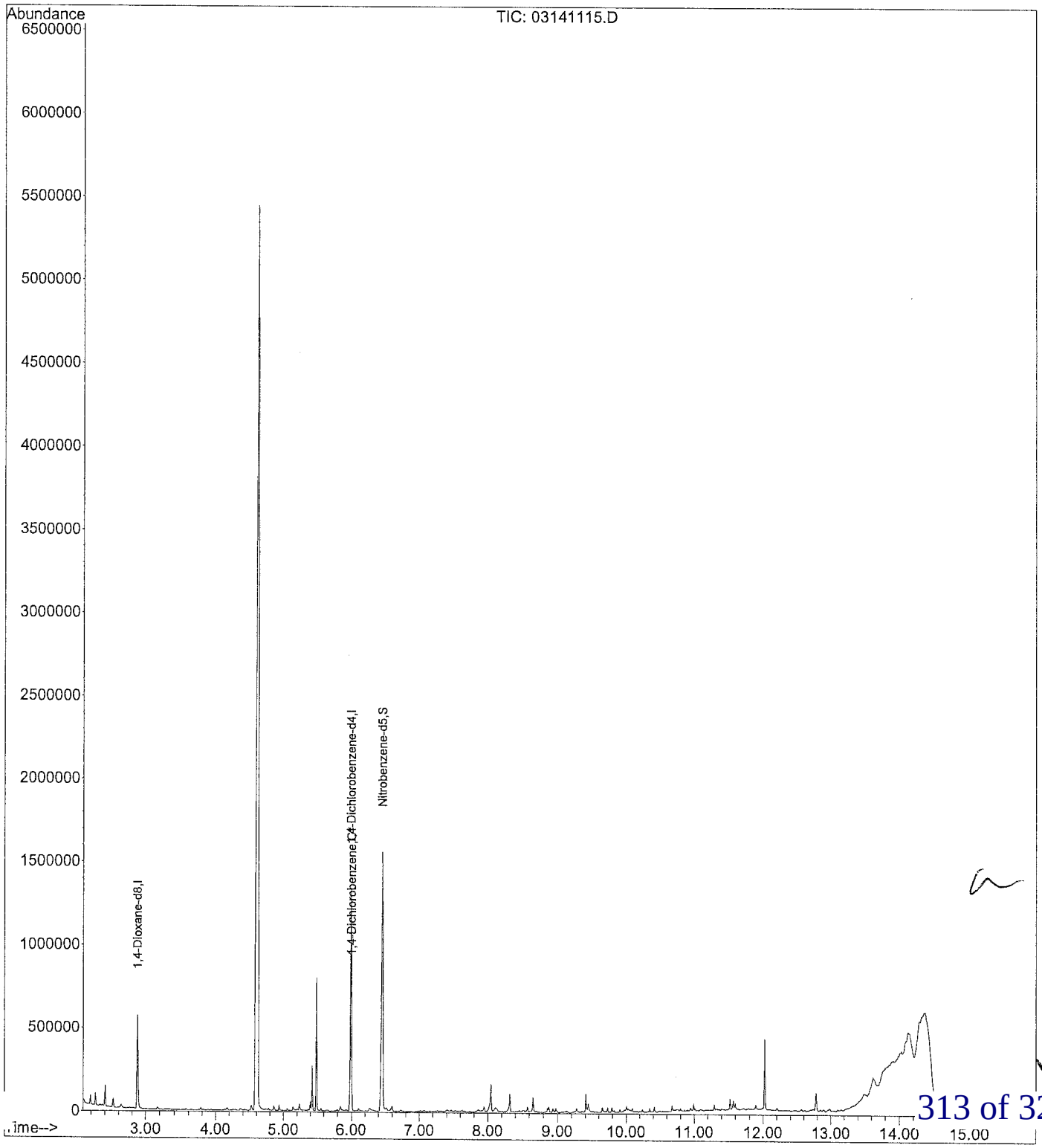
(#) = qualifier out of range (m) = manual integration (+) = signals summed

03-16-11

Quantitation Report (QT Reviewed)

Data Path : n:\DATA\031411\
Data File : 03141115.D
Acq On : 14 Mar 2011 8:54 pm
Operator : CL
Sample : PUC0635-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 16 11:03:11 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

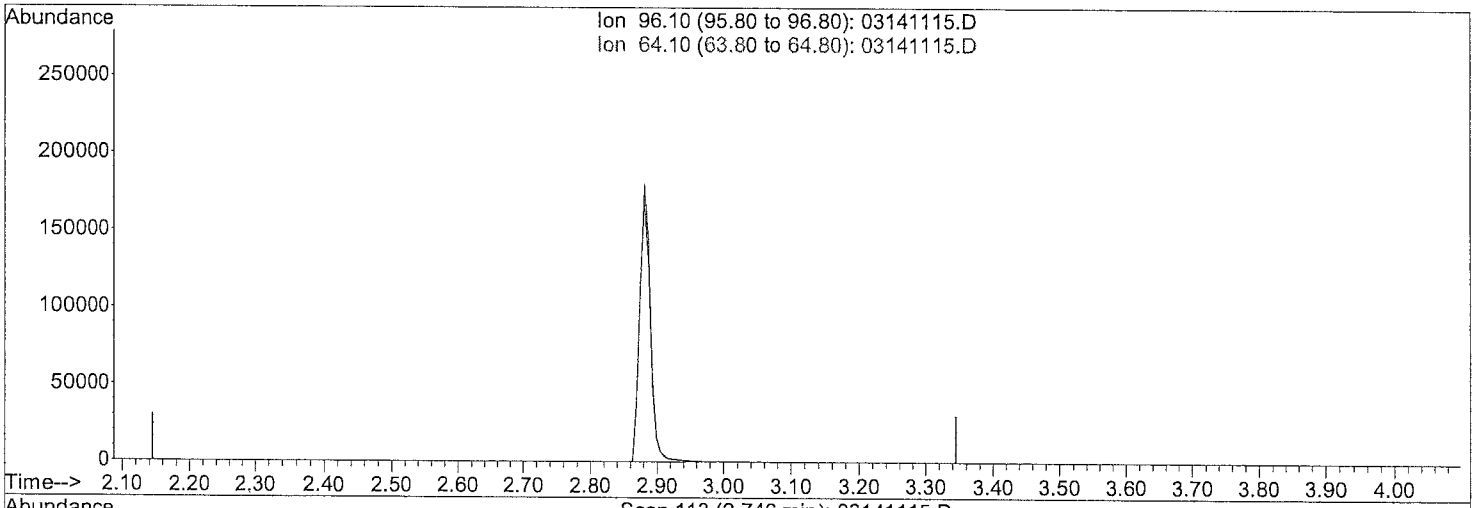


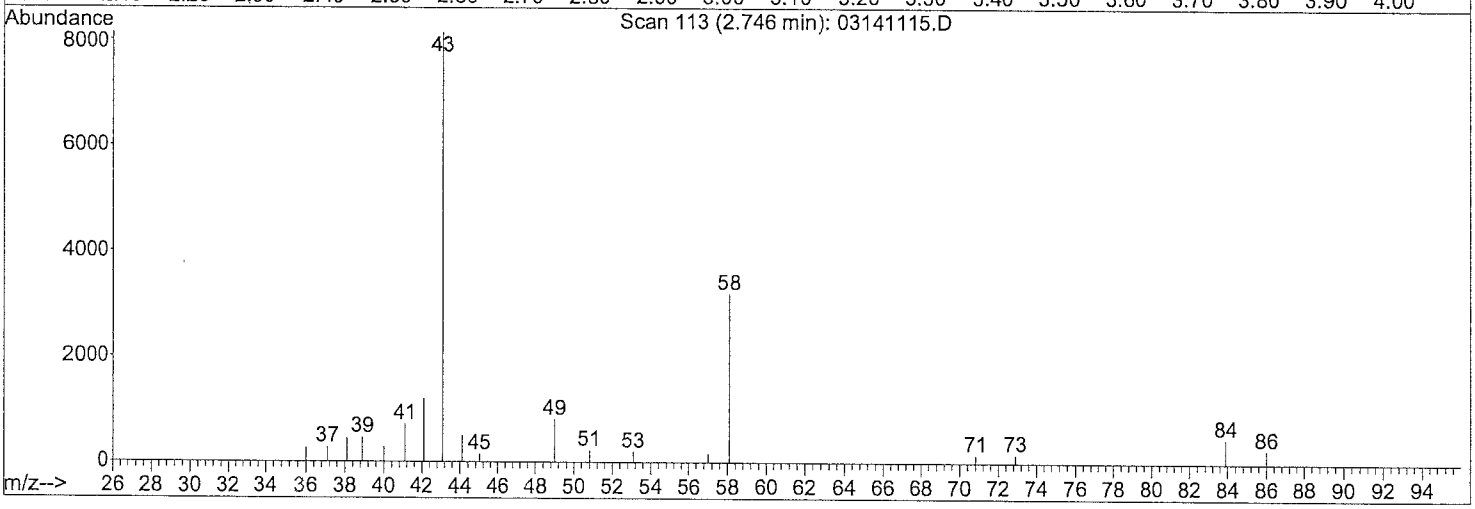
010511D.M Wed Mar 16 11:04:05 2011

Quantitation Report (Qedit)

Data Path : n:\DATA\031411\
Data File : 03141115.D
Acq On : 14 Mar 2011 8:54 pm
Operator : CL
Sample : PUC0635-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 15 10:08:01 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration





TIC: 03141115.D

(1) 1,4-Dioxane-d8 (I)

2.746min (-2.746) 0.00ug/mL

response 0

Ion	Exp%	Act%
96.10	100	0.00
64.10	93.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

ID

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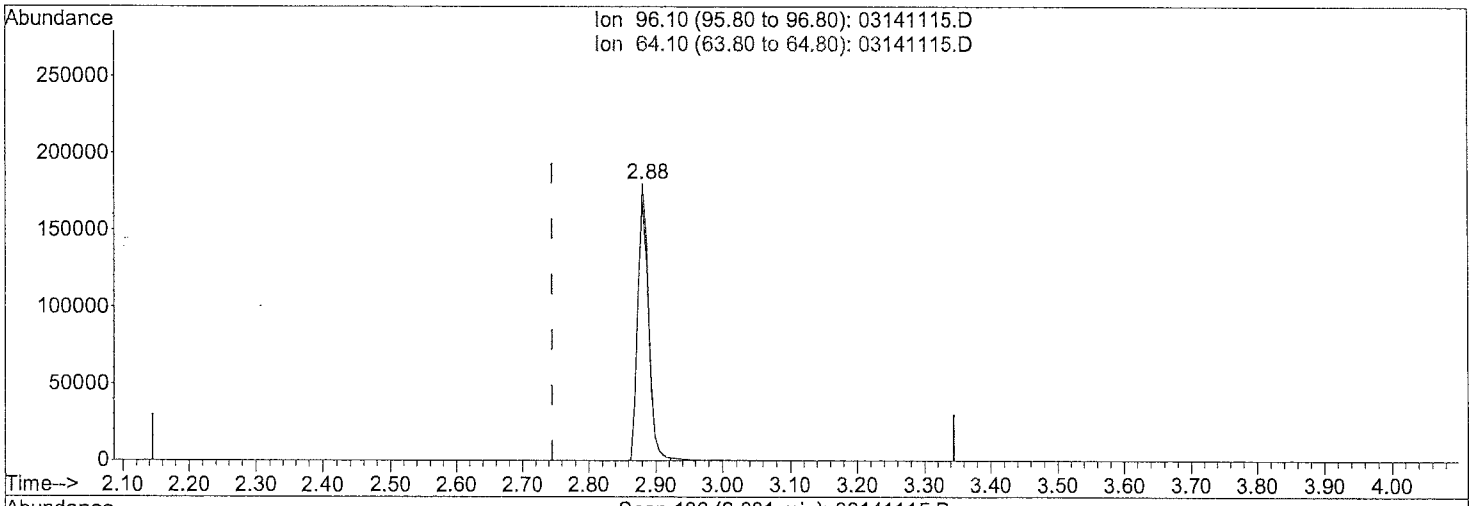
3-16-11

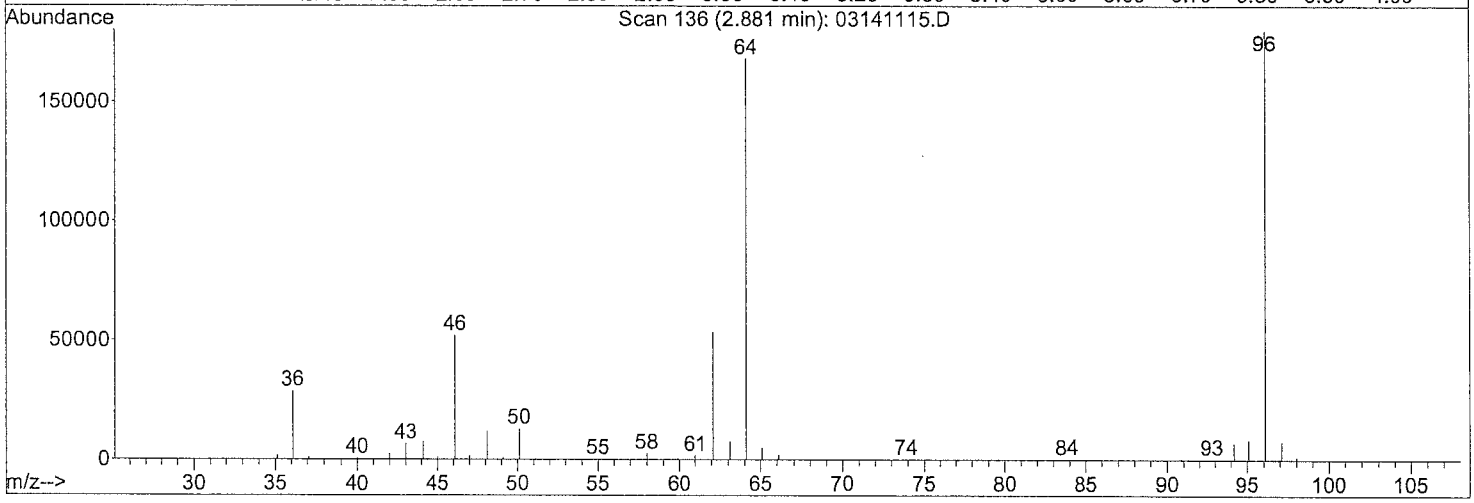
010511D.M Wed Mar 16 11:02:57 2011

Quantitation Report (Qedit)

Data Path : n:\DATA\031411\
Data File : 03141115.D
Acq On : 14 Mar 2011 8:54 pm
Operator : CL
Sample : PUC0635-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 15 10:08:01 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration





TIC: 03141115.D

(1) 1,4-Dioxane-d8 (I)

2.881min (+0.135) 20.00ug/mL m

response 200098

Ion	Exp%	Act%
96.10	100	100
64.10	93.60	92.17
0.00	0.00	0.00
0.00	0.00	0.00

A

03-16-11

3/17/11

010511D.M Wed Mar 16 11:03:16 2011

Sample Name PUC0635-02
Data File Name 03141115.D
Data File Path D:\MSDCHEM\1\GCMS14\DATA\031411\
Operator CL
Date Acquired 3/14/2011 20:54
Misc Info
Instrument Name GCMS14

10ug/mL 14-diox -01520
03141105.D
D:\msdchem\1\GCMS14\DATA\031411\

	SAMPLE RESPONSE	CCV RESPONSE	0.5X	2X	PASS/FAIL
Internal Standard					
1,4-Dichlorobenzene-d4	227758	232291	116145.5	464582	<-PASS

Internal Standard	RT	RT	-0.5min.	+0.5min	
1,4-Dichlorobenzene-d4	5.99	5.99	5.49	6.49	<-PASS

3/17/11

Quantitation Report (QT Reviewed)

Data Path : R:\031411\
Data File : 03141115.D
Acq On : 14 Mar 2011 8:54 pm
Operator : CL
Sample : PUC0635-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 16 14:10:52 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXD8\031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:\MSDCHEM\1\GCMS14\DATA\031411\03141105.D

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	227758	10.00 ug/mL	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane-d8	2.88	96	201587m	15.11 ug/mL	

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

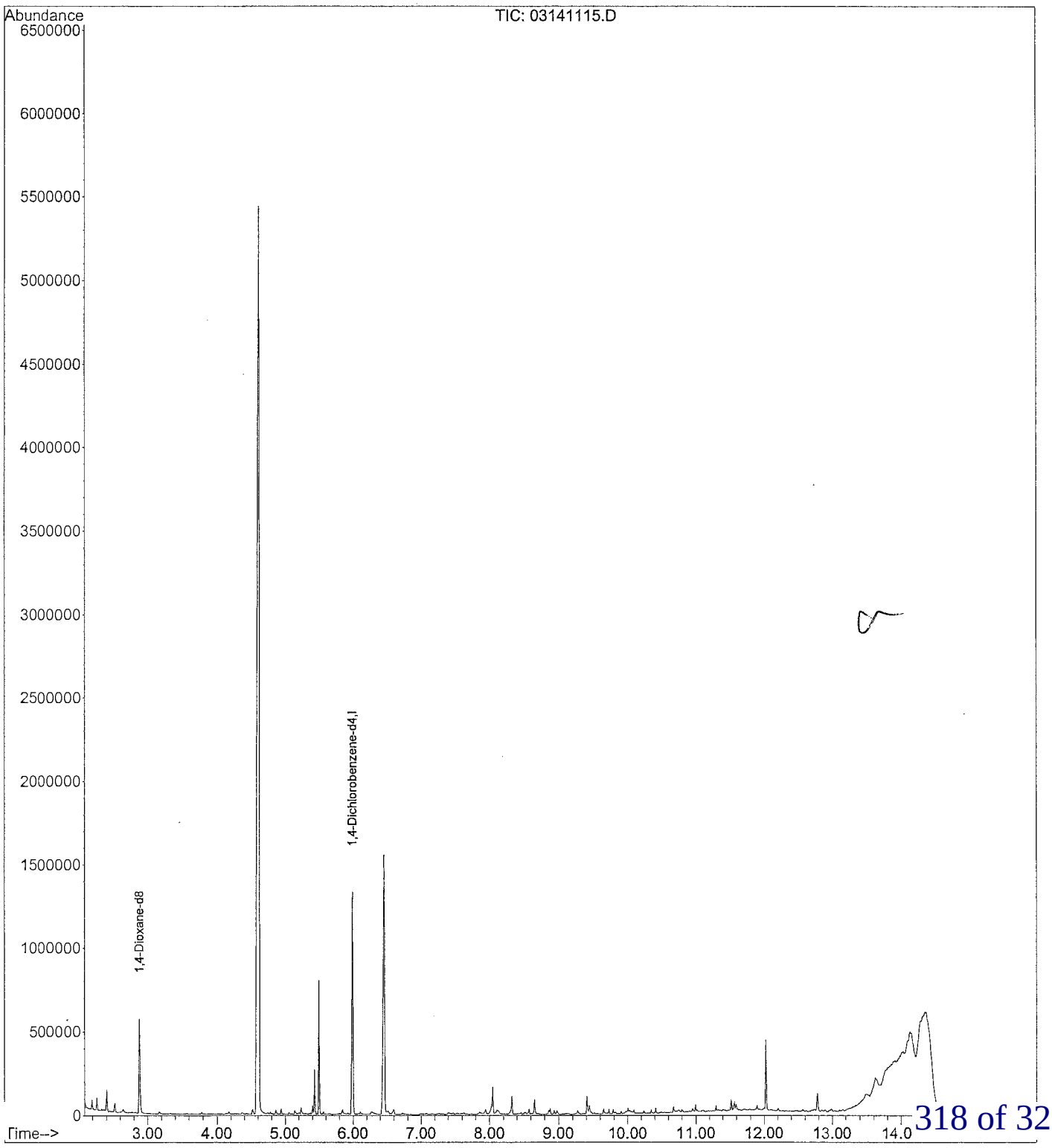
03-16-11

3/17/11

Quantitation Report (QT Reviewed)

Data Path : R:\031411\
Data File : 03141115.D
Acq On : 14 Mar 2011 8:54 pm
Operator : CL
Sample : PUC0635-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

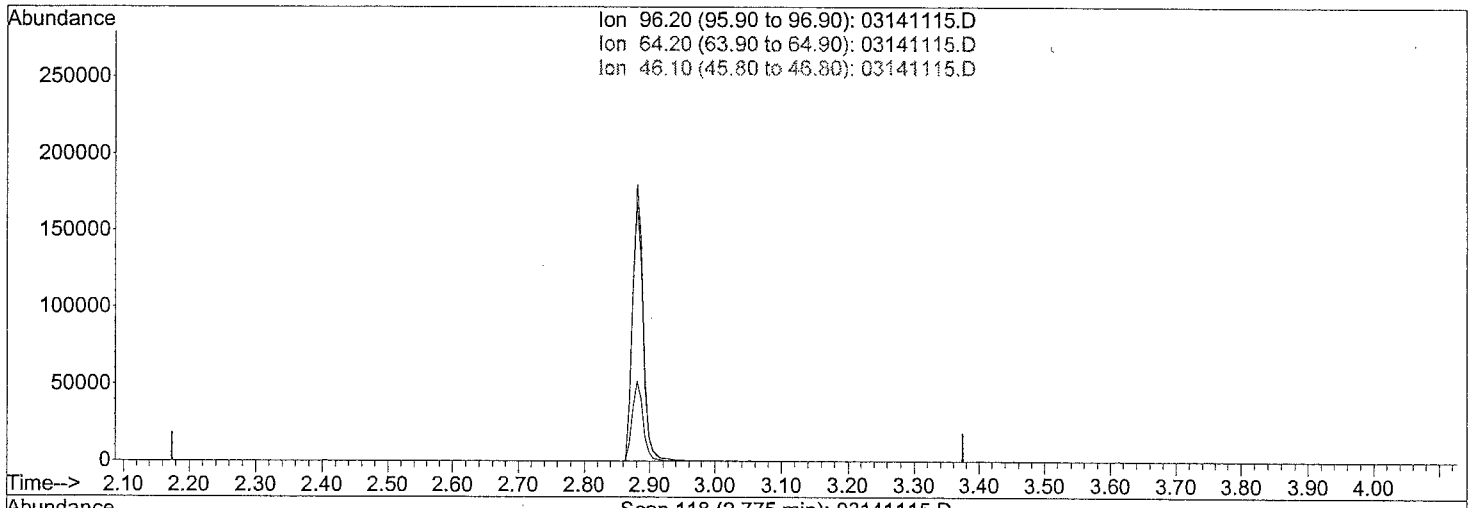
Quant Time: Mar 16 14:10:52 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXD8\031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:\MSDCHEM\1\GCMS14\DATA\031411\03141105.D

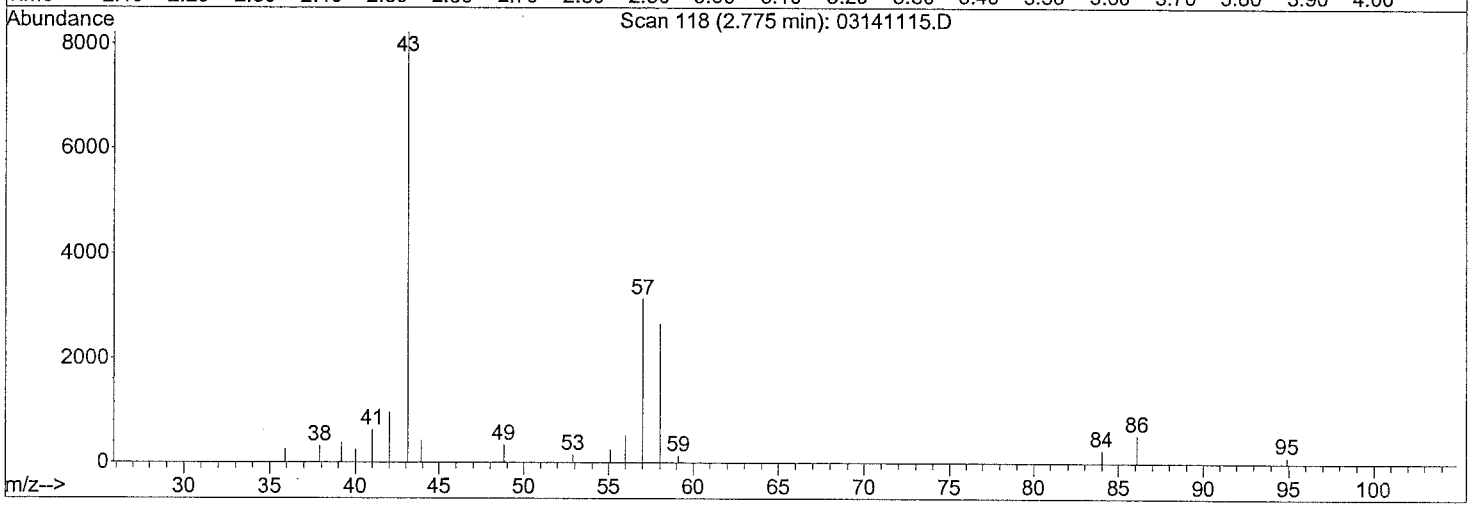


Quantitation Report (Qedit)

Data Path : R:\031411\
Data File : 03141115.D
Acq On : 14 Mar 2011 8:54 pm
Operator : CL
Sample : PUC0635-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 16 13:24:27 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXD8\031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:\MSDCHEM\1\GCMS14\DATA\031411\03141105.D





TIC: 03141115.D

(2) 1,4-Dioxane-d8

2.775min (-2.775) 0.00ug/mL

response 0

Ion	Exp%	Act%
96.20	100	0.00
64.20	92.60	0.00#
46.10	28.50	0.00#
0.00	0.00	0.00

ID

B

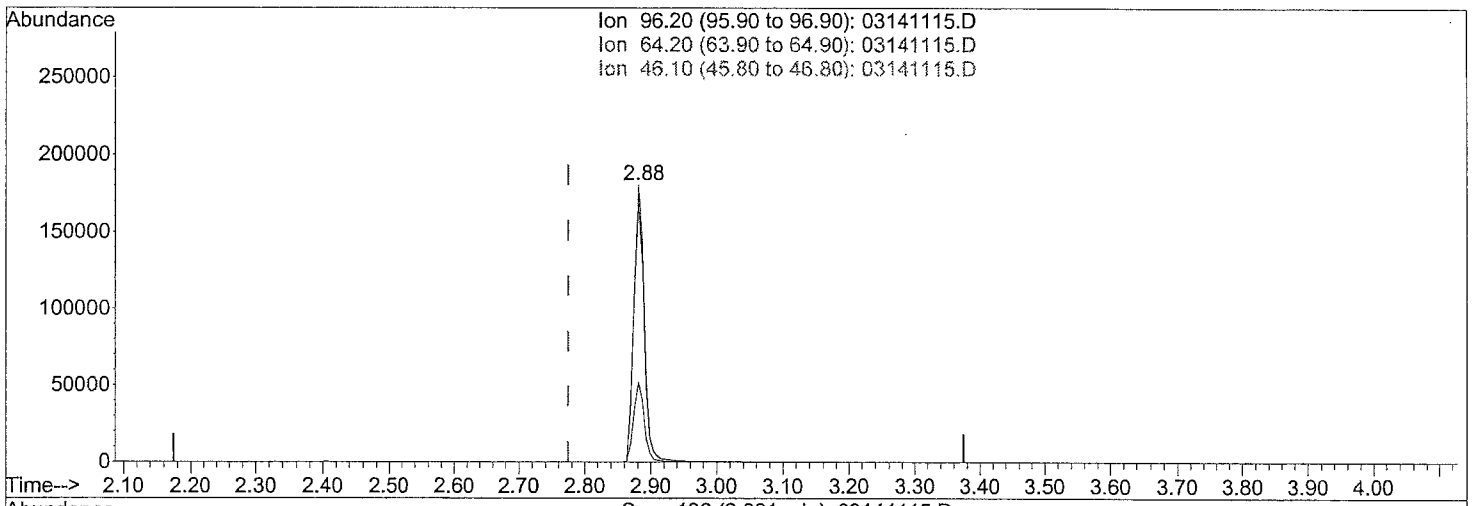
3-16-11

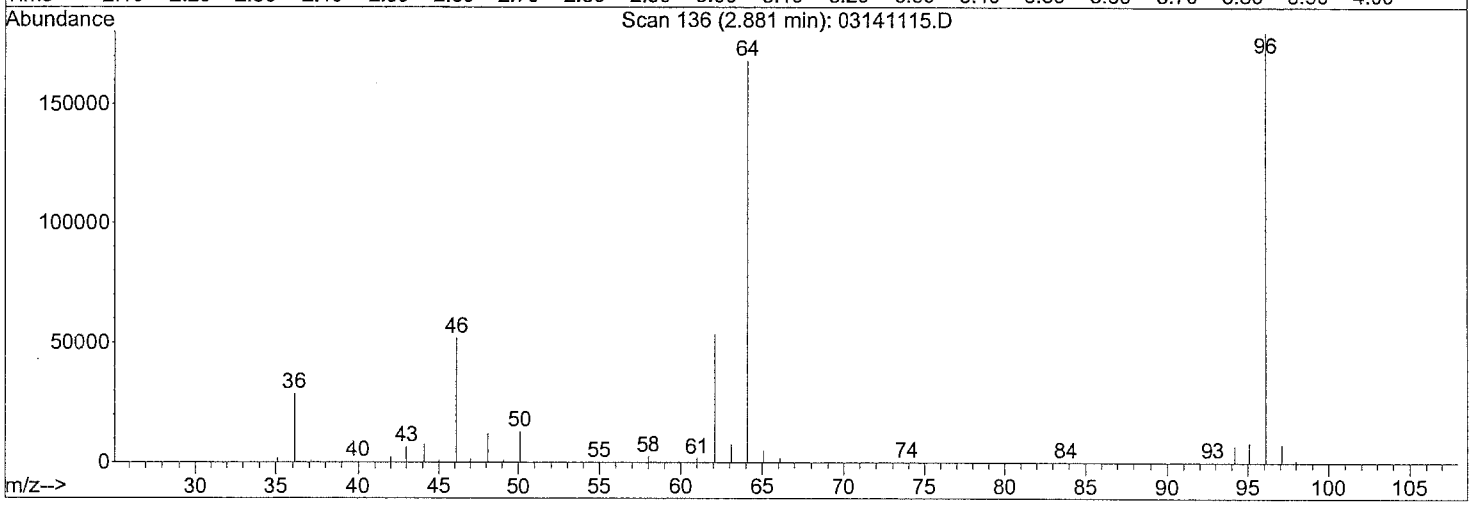
3/17/11

Quantitation Report (Qedit)

Data Path : R:\031411\
Data File : 03141115.D
Acq On : 14 Mar 2011 8:54 pm
Operator : CL
Sample : PUC0635-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 16 13:24:27 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXD8\031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:\MSDCHEM\1\GCMS14\DATA\031411\03141105.D





TIC: 03141115.D

(2) 1,4-Dioxane-d8

2.881min (+0.106) 15.11ug/mL m

response 201587

Ion	Exp%	Act%
96.20	100	100
64.20	92.60	90.19
46.10	28.50	28.42
0.00	0.00	0.00

03-16-11

Quantitation Report (Not Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031411¥
Data File : 03141116.D
Acq On : 14 Mar 2011 9:20 pm
Operator : CL
Sample : PUC0635-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 15 10:08:06 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

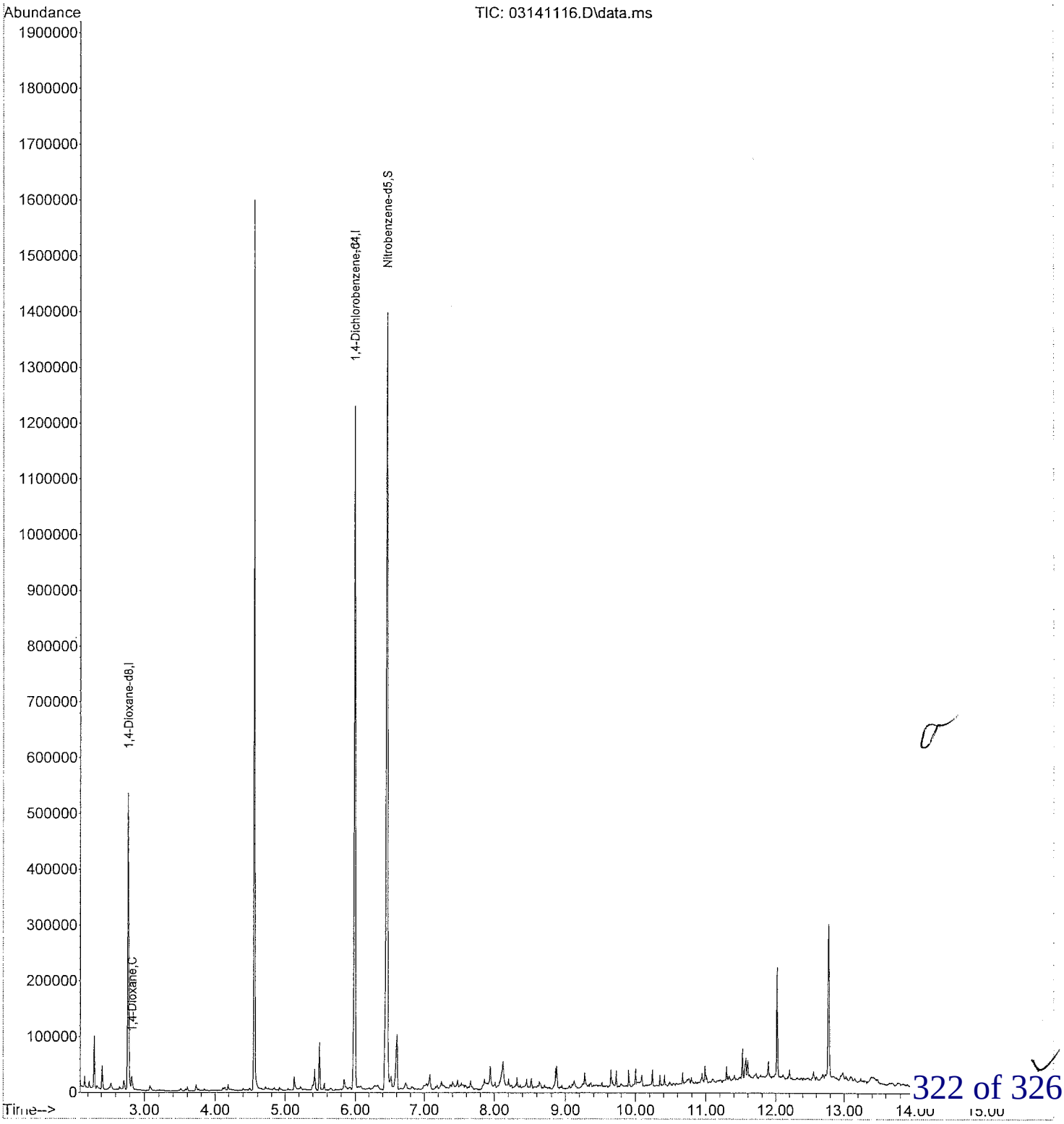
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dioxane-d8	2.775	96	186169	20.00 ug/mL	0.03
3) 1,4-Dichlorobenzene-d4	5.992	152	220999	10.00 ug/mL	-0.02
System Monitoring Compounds					
6) Nitrobenzene-d5	6.463	82	670717	16.94 ug/mL	-0.02
Target Compounds					Qvalue
2) 1,4-Dioxane	2.828	88	7986	0.84 ug/mL	94
4) 1,4-Dichlorobenzene	5.992	146	631	0.02 ug/mL#	1

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

Quantitation Report (Not Reviewed)

Data Path : D:¥msdchem¥1¥GCMS14¥DATA¥031411¥
Data File : 03141116.D
Acq On : 14 Mar 2011 9:20 pm
Operator : CL
Sample : PUC0635-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 15 10:08:06 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXANE¥010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration

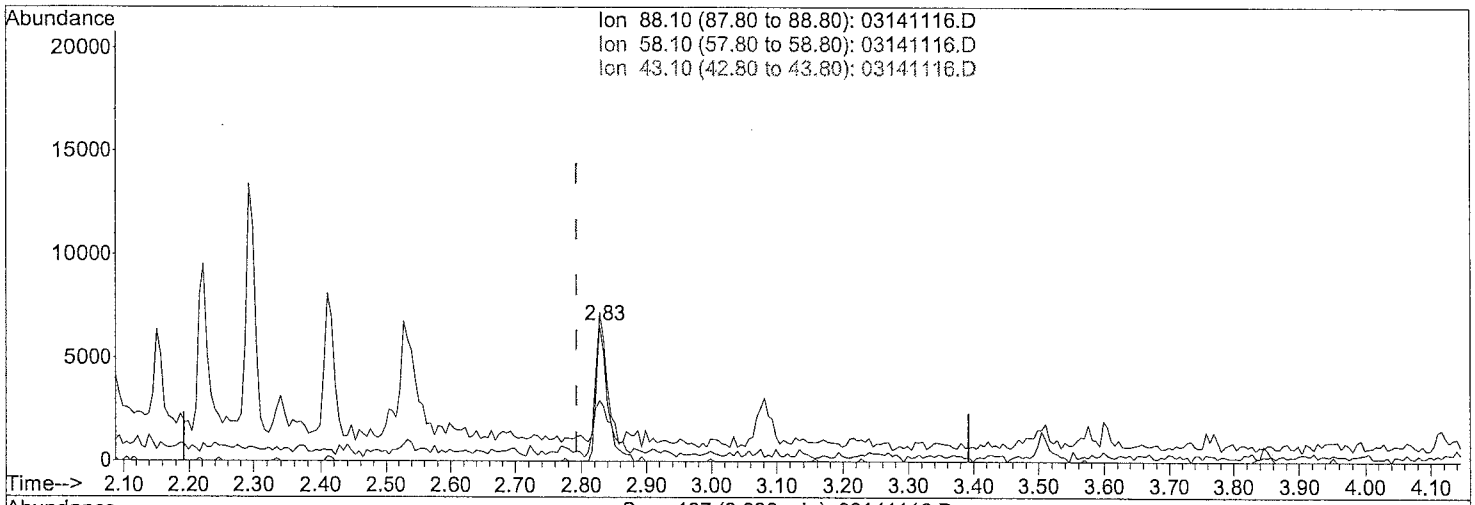


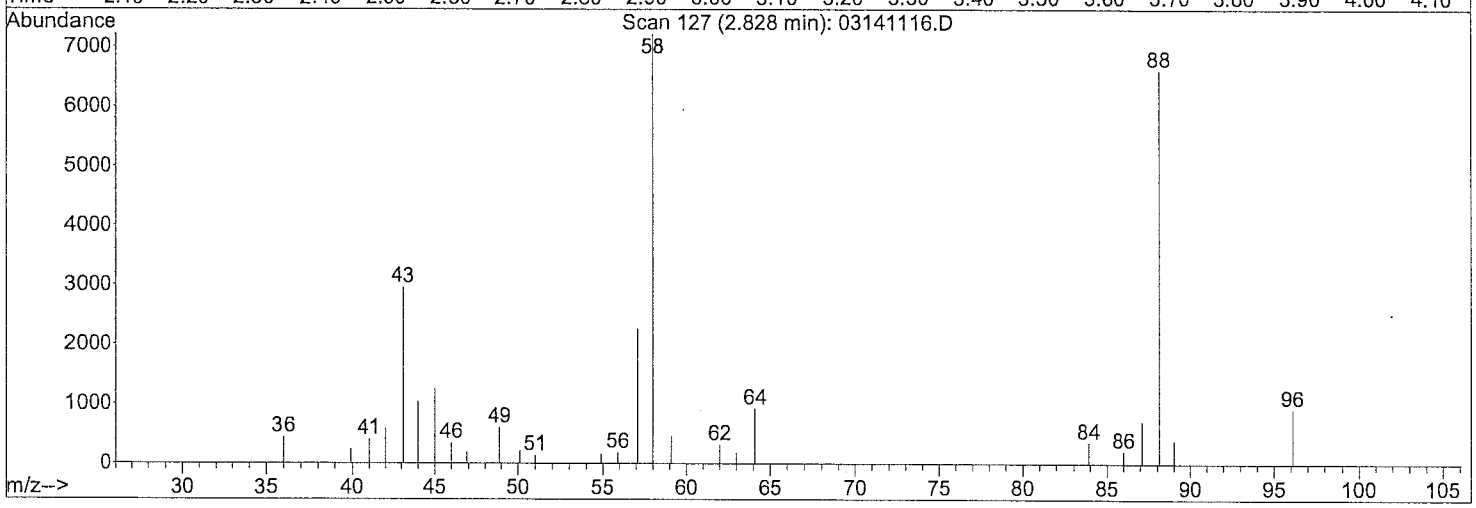
010511D.M Tue Mar 15 10:08:09 2011 Page: 2

Quantitation Report (Qedit)

Data Path : n:\DATA\031411\
Data File : 03141116.D
Acq On : 14 Mar 2011 9:20 pm
Operator : CL
Sample : PUC0635-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 15 10:08:06 2011
Quant Method : D:\msdchem\1\GCMS14\METHODS\14DIOXANE\010511D.M
Quant Title : GCMS14/ MODIFIED 8270(1,4-DIOXANE) CALIBRATION
QLast Update : Mon Feb 28 10:27:25 2011
Response via : Initial Calibration





TIC: 03141116.D

(2) 1,4-Dioxane (C)

2.828min (+0.035) 0.84ug/mL

response 7986

Ion	Exp%	Act%
88.10	100	100
58.10	112.80	120.36
43.10	35.80	37.23
0.00	0.00	0.00

CPL

03-16-11

Sample Name PUC0635-03
Data File Name 03141116.D
Data File Path D:\MSDCHEM\1\GCMS14\DATA\031411\
Operator CL
Date Acquired 3/14/2011 21:20
Misc Info
Instrument Name GCMS14

10ug/mL 14-diox -01520
03141105.D
D:\msdchem\1\GCMS14\DATA\031411\

	SAMPLE RESPONSE	CCV RESPONSE	0.5X	2X	PASS/FAIL
Internal Standard					
1,4-Dichlorobenzene-d4	220999	232291	116145.5	464582	<-PASS

Internal Standard	RT	RT	-0.5min.	+0.5min	
1,4-Dichlorobenzene-d4	5.99	5.99	5.49	6.49	<-PASS

3/17/11

Quantitation Report (Not Reviewed)

03-16-11

Data Path : D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥
Data File : 03141116.D
Acq On : 14 Mar 2011 9:20 pm
Operator : CL
Sample : PUC0635-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 16 13:24:31 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥03141105.D

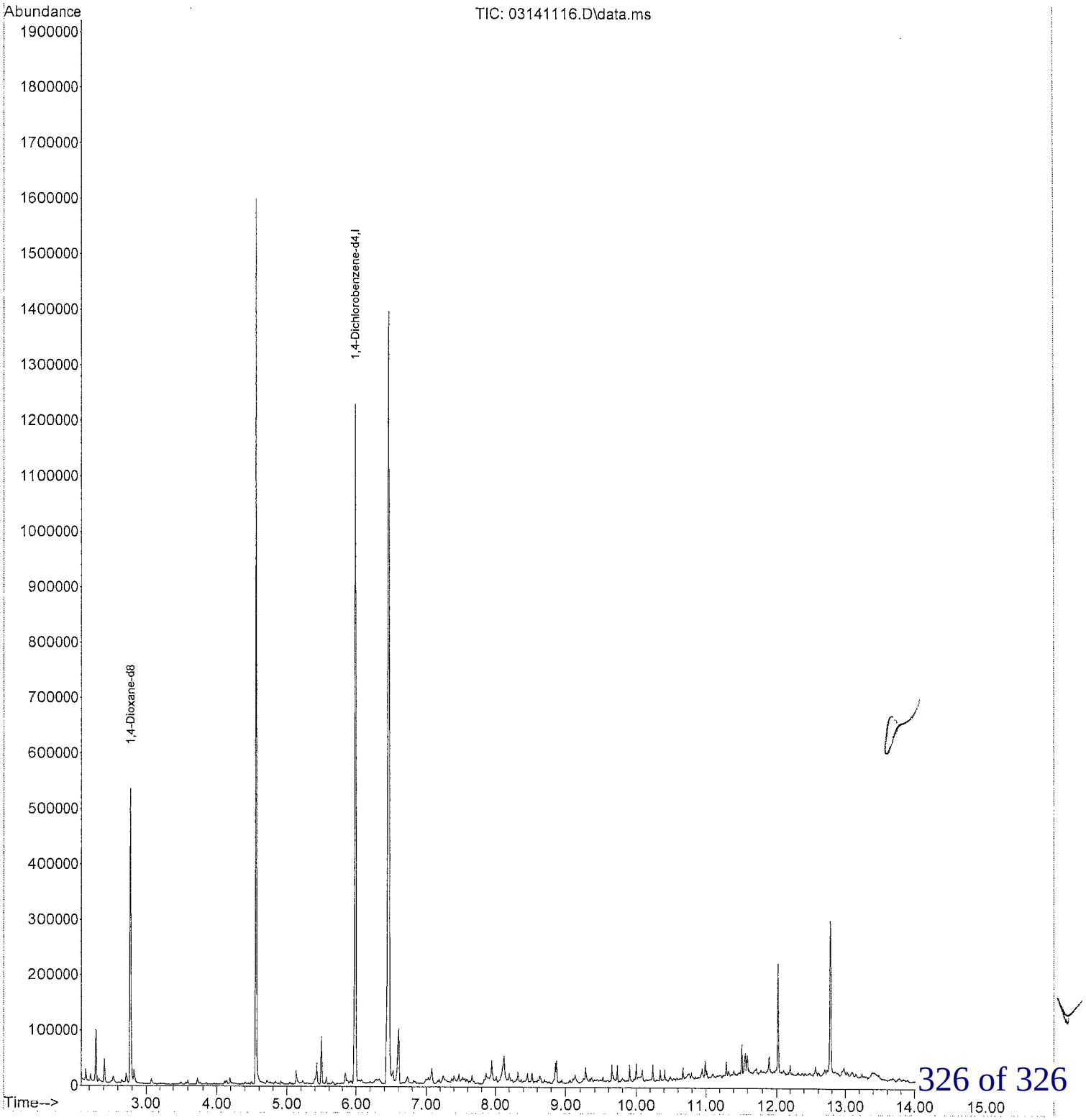
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.992	152	220999	10.00 ug/mL	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane-d8	2.775	96	186169	14.38 ug/mL	100

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

Quantitation Report (Not Reviewed)

Data Path : D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥
Data File : 03141116.D
Acq On : 14 Mar 2011 9:20 pm
Operator : CL
Sample : PUC0635-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 16 13:24:31 2011
Quant Method : D:¥msdchem¥1¥GCMS14¥METHODS¥14DIOXD8¥031411_D8.M
Quant Title : GCMS14/1,4-DIOXANE-D8 SURROGATE ONLY
QLast Update : Wed Mar 16 13:20:28 2011
Response via : Continuing Cal File: D:¥MSDCHEM¥1¥GCMS14¥DATA¥031411¥03141105.D



Level III Data Package

Environmental Resources Management Inc.

TestAmerica Work Order Number:

PUC0730

Prepared for:

Jason Hilker
Environmental Resources Management, Inc.
7272 East Indian School Road, Suite 100
Scottsdale, AZ 85251

QA/QC DATA PACKAGE: LEVEL III

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

LABORATORY REPORT

Prepared For: Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project: 0096498.009

Sampled: 03/10/11
Received: 03/10/11
Issued: 03/21/11 15:15

NELAP #01109CA Arizona DHS#AZ0728

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the applicable certifications as noted. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica. The Chain of Custody, 1 page, is included and is an integral part of this report.
This entire report was reviewed and approved for release.

CASE NARRATIVE

LABORATORY ID	CLIENT ID	MATRIX
PUC0730-01	OU3-1M-M-031011	Water

SAMPLE RECEIPT:	Samples were received intact, at 1°C, on ice and with chain of custody documentation.
HOLDING TIMES:	All samples were analyzed within prescribed holding times and/or in accordance with the TestAmerica Sample Acceptance Policy unless otherwise noted in the report.
PRESERVATION:	Samples requiring preservation were verified prior to sample analysis.
QA/QC CRITERIA:	All analyses met method criteria, except as noted in the report with data qualifiers. N1-The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS). R1-The RPD exceeded the acceptance limit.
COMMENTS:	No significant observations were made.
SUBCONTRACTED:	No analyses were subcontracted to an outside laboratory.

Reviewed By:

TestAmerica Phoenix

Kylie Emily
Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

QA/QC DATA PACKAGE: LEVEL III

CHAIN OF CUSTODY FORMS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-0013-550 (10/10)

CHAIN OF CUSTODY FORM

[ ] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340 FAX (602) 454-9303
[ ] Tucson - 1870 W. Prince Road, Suite 59, Tucson, AZ 85705 (520) 807-3801 FAX (520) 807-3803
[ ] Las Vegas - 6000 S Eastern Ave., Suite 5E, Las Vegas, NV 89119 (702) 429-1264

Page 1 of 1

Client Name/Address: ERM
7272 E Indian School Rd, Suite 100

Project/PO Number: 0096498.009

Project Manager: Jason Hilker
Send report to: Jason Hilker@ERM.com

Phone Number: 480-998-2401

Sampler: Adam Nagle

Fax Number: 480-998-2106

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOC (8260B)	1,4-Dioxane Only (8270C)								Special Instructions
OU3-1M-A-031011	W	40ml / 1L	3 / 2	3/10/11	1610	HCl / -	X	X		PUC0730-01						Level 3

Relinquished By:	Date/Time:	Received By:	Date/Time:	Turnaround Time: (Check)
[signature] / ERM	3/10 1724			same day ____ 72 hours ____
Relinquished By:	Date/Time:	Received By:	Date/Time:	24 hours ____ 5 days ____
				48 hours ____ normal ✓
Relinquished By:	Date/Time:	Received in Lab By: [signature]	Date/Time: 3/10/11 1724	Sample Integrity: (Check) intact ✓ on ice ✓

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

1.2°C

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

QA/QC DATA PACKAGE: LEVEL III

ANALYTICAL REPORTS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0730-01RE1 (OU3-1M-M-031011 - Water)								
Reporting Units: ug/l								
Acetone	EPA 8260B	11C0694	10	ND	1	3/18/2011	3/18/2011	
Benzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromodichloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Bromoform	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Bromomethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Butanone (MEK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
sec-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
tert-Butylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon disulfide	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Carbon tetrachloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Chloroethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Chloroform	EPA 8260B	11C0694	0.50	**0.54**	1	3/18/2011	3/18/2011	
Chloromethane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
2-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
4-Chlorotoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromochloromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dibromo-3-chloropropane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
1,2-Dibromoethane (EDB)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dibromomethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,4-Dichlorobenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Dichlorodifluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	**0.88**	1	3/18/2011	3/18/2011	
trans-1,2-Dichloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3-Dichloropropane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
2,2-Dichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
cis-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
trans-1,3-Dichloropropene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Ethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Hexachlorobutadiene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	

TestAmerica Phoenix

Kylie Emily
Project Manager

The results pertain only to the samples tested in the laboratory. This report shall not be reproduced, except in full, without written permission from TestAmerica.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0730-01RE1 (OU3-1M-M-031011 - Water) - cont.								
Reporting Units: ug/l								
2-Hexanone	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Iodomethane	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Isopropylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
p-Isopropyltoluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Methylene Chloride	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
4-Methyl-2-pentanone (MIBK)	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
Methyl-tert-butyl Ether (MTBE)	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Naphthalene	EPA 8260B	11C0694	2.5	ND	1	3/18/2011	3/18/2011	
n-Propylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Styrene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,1,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2,2-Tetrachloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Tetrachloroethene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Toluene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trichlorobenzene	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,1,1-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,1,2-Trichloroethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Trichloroethene	EPA 8260B	11C0694	0.50	**6.0**	1	3/18/2011	3/18/2011	
Trichlorofluoromethane	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,2,3-Trichloropropane	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
1,2,4-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
1,3,5-Trimethylbenzene	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Vinyl Acetate	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Vinyl chloride	EPA 8260B	11C0694	0.50	ND	1	3/18/2011	3/18/2011	
Xylenes, Total	EPA 8260B	11C0694	1.0	ND	1	3/18/2011	3/18/2011	
Freon 113	EPA 8260B	11C0694	2.0	ND	1	3/18/2011	3/18/2011	
Surrogate: Dibromofluoromethane (70-130%)				*87 %*				
Surrogate: Toluene-d8 (70-130%)				*87 %*				
Surrogate: 4-Bromofluorobenzene (70-130%)				*83 %*				

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PUC0730-01 (OU3-1M-M-031011 - Water)								
Reporting Units: ug/l								
1,4-Dioxane	SW8270C	11C0526	1.0	ND	1	3/14/2011	3/16/2011	
Surrogate: 1,4-Dioxane-d8 (20-105%)				*65 %*				
Surrogate: Nitrobenzene-d5 (30-130%)				*80 %*				

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QA/QC DATA PACKAGE: LEVEL III

QUALITY CONTROL SUMMARIES

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Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
Acetone	ND	10	ug/l							
Benzene	ND	0.50	ug/l							
Bromobenzene	ND	0.50	ug/l							
Bromochloromethane	ND	0.50	ug/l							
Bromodichloromethane	ND	0.50	ug/l							
Bromoform	ND	1.0	ug/l							
Bromomethane	ND	1.0	ug/l							
2-Butanone (MEK)	ND	2.5	ug/l							
n-Butylbenzene	ND	0.50	ug/l							
sec-Butylbenzene	ND	0.50	ug/l							
tert-Butylbenzene	ND	0.50	ug/l							
Carbon disulfide	ND	0.50	ug/l							
Carbon tetrachloride	ND	0.50	ug/l							
Chlorobenzene	ND	0.50	ug/l							
Chloroethane	ND	1.0	ug/l							
Chloroform	ND	0.50	ug/l							
Chloromethane	ND	1.0	ug/l							
2-Chlorotoluene	ND	0.50	ug/l							
4-Chlorotoluene	ND	0.50	ug/l							
Dibromochloromethane	ND	0.50	ug/l							
1,2-Dibromo-3-chloropropane	ND	2.5	ug/l							
1,2-Dibromoethane (EDB)	ND	0.50	ug/l							
Dibromomethane	ND	0.50	ug/l							
1,2-Dichlorobenzene	ND	0.50	ug/l							
1,3-Dichlorobenzene	ND	0.50	ug/l							
1,4-Dichlorobenzene	ND	0.50	ug/l							
Dichlorodifluoromethane	ND	0.50	ug/l							
1,1-Dichloroethane	ND	0.50	ug/l							
1,2-Dichloroethane	ND	0.50	ug/l							
1,1-Dichloroethene	ND	0.50	ug/l							
cis-1,2-Dichloroethene	ND	0.50	ug/l							
trans-1,2-Dichloroethene	ND	0.50	ug/l							
1,2-Dichloropropane	ND	0.50	ug/l							
1,3-Dichloropropane	ND	0.50	ug/l							
2,2-Dichloropropane	ND	1.0	ug/l							

TestAmerica Phoenix

Kylie Emily
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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Blank Analyzed: 03/18/2011 (11C0694-BLK1)										
1,1-Dichloropropene	ND	0.50	ug/l							
cis-1,3-Dichloropropene	ND	0.50	ug/l							
trans-1,3-Dichloropropene	ND	0.50	ug/l							
Ethylbenzene	ND	0.50	ug/l							
Hexachlorobutadiene	ND	1.0	ug/l							
2-Hexanone	ND	2.5	ug/l							
Iodomethane	ND	2.5	ug/l							
Isopropylbenzene	ND	0.50	ug/l							
p-Isopropyltoluene	ND	0.50	ug/l							
Methylene Chloride	ND	1.0	ug/l							
4-Methyl-2-pentanone (MIBK)	ND	2.5	ug/l							
Methyl-tert-butyl Ether (MTBE)	ND	0.50	ug/l							
Naphthalene	ND	2.5	ug/l							
n-Propylbenzene	ND	0.50	ug/l							
Styrene	ND	0.50	ug/l							
1,1,1,2-Tetrachloroethane	ND	0.50	ug/l							
1,1,2,2-Tetrachloroethane	ND	0.50	ug/l							
Tetrachloroethene	ND	0.50	ug/l							
Toluene	ND	0.50	ug/l							
1,2,3-Trichlorobenzene	ND	1.0	ug/l							
1,2,4-Trichlorobenzene	ND	1.0	ug/l							
1,1,1-Trichloroethane	ND	0.50	ug/l							
1,1,2-Trichloroethane	ND	0.50	ug/l							
Trichloroethene	ND	0.50	ug/l							
Trichlorofluoromethane	ND	0.50	ug/l							
1,2,3-Trichloropropane	ND	1.0	ug/l							
1,2,4-Trimethylbenzene	ND	0.50	ug/l							
1,3,5-Trimethylbenzene	ND	0.50	ug/l							
Vinyl Acetate	ND	1.0	ug/l							
Vinyl chloride	ND	0.50	ug/l							
Xylenes, Total	ND	1.0	ug/l							
Freon 113	ND	2.0	ug/l							
Surrogate: Dibromofluoromethane	*21.4*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*20.6*		*ug/l*	*25.0*		*83*	*70-130*			

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
Acetone	29.0	10	ug/l	25.0		116	30-150			
Benzene	20.5	0.50	ug/l	25.0		82	70-130			
Bromobenzene	23.0	0.50	ug/l	25.0		92	70-130			
Bromochloromethane	20.7	0.50	ug/l	25.0		83	70-130			
Bromodichloromethane	21.9	0.50	ug/l	25.0		88	70-130			
Bromoform	22.6	1.0	ug/l	25.0		91	67-122			
Bromomethane	20.6	1.0	ug/l	25.0		83	64-132			
2-Butanone (MEK)	24.1	2.5	ug/l	25.0		97	48-150			
n-Butylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
sec-Butylbenzene	22.4	0.50	ug/l	25.0		90	70-130			
tert-Butylbenzene	22.5	0.50	ug/l	25.0		90	70-130			
Carbon disulfide	24.2	0.50	ug/l	25.0		97	61-126			
Carbon tetrachloride	22.1	0.50	ug/l	25.0		88	70-130			
Chlorobenzene	21.6	0.50	ug/l	25.0		87	70-130			
Chloroethane	21.2	1.0	ug/l	25.0		85	69-128			
Chloroform	19.9	0.50	ug/l	25.0		80	70-130			
Chloromethane	22.1	1.0	ug/l	25.0		88	56-131			
2-Chlorotoluene	21.8	0.50	ug/l	25.0		87	70-130			
4-Chlorotoluene	22.9	0.50	ug/l	25.0		92	70-130			
Dibromochloromethane	21.7	0.50	ug/l	25.0		87	70-130			
1,2-Dibromo-3-chloropropane	23.7	2.5	ug/l	25.0		95	63-129			
1,2-Dibromoethane (EDB)	22.1	0.50	ug/l	25.0		88	70-130			
Dibromomethane	21.2	0.50	ug/l	25.0		85	70-130			
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130			
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
1,4-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130			
Dichlorodifluoromethane	21.2	0.50	ug/l	25.0		85	42-150			
1,1-Dichloroethane	20.2	0.50	ug/l	25.0		81	70-130			
1,2-Dichloroethane	20.2	0.50	ug/l	25.0		81	72-133			
1,1-Dichloroethene	20.5	0.50	ug/l	25.0		82	70-130			
cis-1,2-Dichloroethene	20.0	0.50	ug/l	25.0		80	70-130			
trans-1,2-Dichloroethene	20.8	0.50	ug/l	25.0		83	70-130			
1,2-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
1,3-Dichloropropane	21.3	0.50	ug/l	25.0		85	70-130			
2,2-Dichloropropane	21.3	1.0	ug/l	25.0		85	70-130			

TestAmerica Phoenix

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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Analyzed: 03/18/2011 (11C0694-BS1)										
1,1-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130			
trans-1,3-Dichloropropene	22.8	0.50	ug/l	25.0		91	70-130			
Ethylbenzene	21.9	0.50	ug/l	25.0		88	70-130			
Hexachlorobutadiene	23.6	1.0	ug/l	25.0		95	70-130			
2-Hexanone	25.9	2.5	ug/l	25.0		104	44-150			
Iodomethane	24.7	2.5	ug/l	25.0		99	58-138			
Isopropylbenzene	24.7	0.50	ug/l	25.0		99	70-130			
p-Isopropyltoluene	22.9	0.50	ug/l	25.0		92	70-130			
Methylene Chloride	20.4	1.0	ug/l	25.0		82	70-130			
4-Methyl-2-pentanone (MIBK)	23.7	2.5	ug/l	25.0		95	61-142			
Methyl-tert-butyl Ether (MTBE)	19.4	0.50	ug/l	25.0		77	70-130			
Naphthalene	23.1	2.5	ug/l	25.0		93	65-129			
n-Propylbenzene	23.4	0.50	ug/l	25.0		94	70-130			
Styrene	22.7	0.50	ug/l	25.0		91	70-130			
1,1,1,2-Tetrachloroethane	21.8	0.50	ug/l	25.0		87	70-130			
1,1,2,2-Tetrachloroethane	22.8	0.50	ug/l	25.0		91	70-130			
Tetrachloroethene	21.7	0.50	ug/l	25.0		87	70-130			
Toluene	21.6	0.50	ug/l	25.0		86	70-130			
1,2,3-Trichlorobenzene	23.4	1.0	ug/l	25.0		94	70-130			
1,2,4-Trichlorobenzene	24.1	1.0	ug/l	25.0		96	70-130			
1,1,1-Trichloroethane	21.2	0.50	ug/l	25.0		85	70-130			
1,1,2-Trichloroethane	21.5	0.50	ug/l	25.0		86	70-130			
Trichloroethene	21.3	0.50	ug/l	25.0		85	70-130			
Trichlorofluoromethane	19.5	0.50	ug/l	25.0		78	78-149			
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0		96	70-130			
1,2,4-Trimethylbenzene	23.3	0.50	ug/l	25.0		93	70-130			
1,3,5-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130			
Vinyl Acetate	25.6	1.0	ug/l	25.0		102	57-149			
Vinyl chloride	22.2	0.50	ug/l	25.0		89	66-134			
Xylenes, Total	43.0	1.0	ug/l	50.0		86	70-130			
Freon 113	20.3	2.0	ug/l	25.0		81	63-136			
Surrogate: Dibromofluoromethane	*21.3*		*ug/l*	*25.0*		*85*	*70-130*			
Surrogate: Toluene-d8	*21.9*		*ug/l*	*25.0*		*88*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.2*		*ug/l*	*25.0*		*85*	*70-130*			

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Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
Acetone	30.9	10	ug/l	25.0		124	30-150	6	35	
Benzene	21.1	0.50	ug/l	25.0		85	70-130	3	20	
Bromobenzene	22.8	0.50	ug/l	25.0		91	70-130	1	20	
Bromochloromethane	21.3	0.50	ug/l	25.0		85	70-130	3	20	
Bromodichloromethane	21.2	0.50	ug/l	25.0		85	70-130	3	20	
Bromoform	22.1	1.0	ug/l	25.0		88	67-122	2	20	
Bromomethane	22.2	1.0	ug/l	25.0		89	64-132	7	20	
2-Butanone (MEK)	24.4	2.5	ug/l	25.0		98	48-150	1	33	
n-Butylbenzene	23.3	0.50	ug/l	25.0		93	70-130	0.3	20	
sec-Butylbenzene	22.7	0.50	ug/l	25.0		91	70-130	1	20	
tert-Butylbenzene	22.4	0.50	ug/l	25.0		89	70-130	0.7	20	
Carbon disulfide	24.9	0.50	ug/l	25.0		99	61-126	3	20	
Carbon tetrachloride	22.7	0.50	ug/l	25.0		91	70-130	3	20	
Chlorobenzene	21.7	0.50	ug/l	25.0		87	70-130	0.2	20	
Chloroethane	22.3	1.0	ug/l	25.0		89	69-128	5	20	
Chloroform	20.8	0.50	ug/l	25.0		83	70-130	4	20	
Chloromethane	23.2	1.0	ug/l	25.0		93	56-131	5	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0		88	70-130	0.7	20	
4-Chlorotoluene	22.6	0.50	ug/l	25.0		90	70-130	1	20	
Dibromochloromethane	21.9	0.50	ug/l	25.0		88	70-130	1	20	
1,2-Dibromo-3-chloropropane	22.3	2.5	ug/l	25.0		89	63-129	6	25	
1,2-Dibromoethane (EDB)	21.9	0.50	ug/l	25.0		88	70-130	0.6	20	
Dibromomethane	21.7	0.50	ug/l	25.0		87	70-130	2	20	
1,2-Dichlorobenzene	22.0	0.50	ug/l	25.0		88	70-130	0	20	
1,3-Dichlorobenzene	22.2	0.50	ug/l	25.0		89	70-130	0	20	
1,4-Dichlorobenzene	22.1	0.50	ug/l	25.0		88	70-130	0.8	20	
Dichlorodifluoromethane	21.8	0.50	ug/l	25.0		87	42-150	3	20	
1,1-Dichloroethane	21.5	0.50	ug/l	25.0		86	70-130	6	20	
1,2-Dichloroethane	20.8	0.50	ug/l	25.0		83	72-133	3	20	
1,1-Dichloroethene	21.8	0.50	ug/l	25.0		87	70-130	6	20	
cis-1,2-Dichloroethene	20.1	0.50	ug/l	25.0		80	70-130	0.4	20	
trans-1,2-Dichloroethene	21.9	0.50	ug/l	25.0		88	70-130	5	20	
1,2-Dichloropropane	21.6	0.50	ug/l	25.0		86	70-130	1	20	
1,3-Dichloropropane	21.2	0.50	ug/l	25.0		85	70-130	0.4	20	
2,2-Dichloropropane	21.5	1.0	ug/l	25.0		86	70-130	1	20	

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
LCS Dup Analyzed: 03/18/2011 (11C0694-BSD1)										
1,1-Dichloropropene	22.1	0.50	ug/l	25.0		88	70-130	2	20	
cis-1,3-Dichloropropene	21.8	0.50	ug/l	25.0		87	70-130	0	20	
trans-1,3-Dichloropropene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
Ethylbenzene	21.8	0.50	ug/l	25.0		87	70-130	0.2	20	
Hexachlorobutadiene	23.7	1.0	ug/l	25.0		95	70-130	0.04	20	
2-Hexanone	22.8	2.5	ug/l	25.0		91	44-150	13	31	
Iodomethane	28.8	2.5	ug/l	25.0		115	58-138	15	25	
Isopropylbenzene	25.0	0.50	ug/l	25.0		100	70-130	1	20	
p-Isopropyltoluene	23.1	0.50	ug/l	25.0		92	70-130	0.8	20	
Methylene Chloride	20.8	1.0	ug/l	25.0		83	70-130	2	20	
4-Methyl-2-pentanone (MIBK)	23.2	2.5	ug/l	25.0		93	61-142	2	22	
Methyl-tert-butyl Ether (MTBE)	20.2	0.50	ug/l	25.0		81	70-130	4	20	
Naphthalene	23.4	2.5	ug/l	25.0		94	65-129	1	20	
n-Propylbenzene	23.4	0.50	ug/l	25.0		93	70-130	0.3	20	
Styrene	22.5	0.50	ug/l	25.0		90	70-130	0.8	20	
1,1,1,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	0.8	20	
1,1,2,2-Tetrachloroethane	21.6	0.50	ug/l	25.0		86	70-130	5	20	
Tetrachloroethene	22.2	0.50	ug/l	25.0		89	70-130	2	20	
Toluene	22.2	0.50	ug/l	25.0		89	70-130	3	20	
1,2,3-Trichlorobenzene	23.8	1.0	ug/l	25.0		95	70-130	2	20	
1,2,4-Trichlorobenzene	24.6	1.0	ug/l	25.0		98	70-130	2	20	
1,1,1-Trichloroethane	21.8	0.50	ug/l	25.0		87	70-130	3	20	
1,1,2-Trichloroethane	21.4	0.50	ug/l	25.0		85	70-130	0.7	20	
Trichloroethene	21.5	0.50	ug/l	25.0		86	70-130	1	20	
Trichlorofluoromethane	24.4	0.50	ug/l	25.0		98	78-149	22	20	*R6*
1,2,3-Trichloropropane	22.0	1.0	ug/l	25.0		88	70-130	9	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0		93	70-130	0.3	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0		91	70-130	2	20	
Vinyl Acetate	25.8	1.0	ug/l	25.0		103	57-149	0.8	21	
Vinyl chloride	22.4	0.50	ug/l	25.0		90	66-134	1	20	
Xylenes, Total	43.3	1.0	ug/l	50.0		87	70-130	0.6	20	
Freon 113	20.8	2.0	ug/l	25.0		83	63-136	2	20	
Surrogate: Dibromofluoromethane	*21.9*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.6*		*ug/l*	*25.0*		*86*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.4*		*ug/l*	*25.0*		*86*	*70-130*			

TestAmerica Phoenix

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					**Source: PUC0827-02**					
Acetone	31.2	10	ug/l	25.0	ND	125	10-150			
Benzene	21.6	0.50	ug/l	25.0	ND	86	70-130			
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130			
Bromochloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130			
Bromodichloromethane	22.4	0.50	ug/l	25.0	ND	90	70-130			
Bromoform	23.8	1.0	ug/l	25.0	ND	95	62-126			
Bromomethane	22.0	1.0	ug/l	25.0	ND	88	55-136			
2-Butanone (MEK)	25.6	2.5	ug/l	25.0	ND	103	22-150			
n-Butylbenzene	23.5	0.50	ug/l	25.0	ND	94	70-130			
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Carbon disulfide	30.5	0.50	ug/l	25.0	ND	122	56-132			
Carbon tetrachloride	22.9	0.50	ug/l	25.0	ND	92	76-131			
Chlorobenzene	21.7	0.50	ug/l	25.0	ND	87	70-130			
Chloroethane	24.3	1.0	ug/l	25.0	ND	97	67-134			
Chloroform	23.0	0.50	ug/l	25.0	1.20	87	70-130			
Chloromethane	22.0	1.0	ug/l	25.0	ND	88	50-135			
2-Chlorotoluene	21.7	0.50	ug/l	25.0	ND	87	70-130			
4-Chlorotoluene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dibromochloromethane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,2-Dibromo-3-chloropropane	23.2	2.5	ug/l	25.0	ND	93	60-135			
1,2-Dibromoethane (EDB)	23.5	0.50	ug/l	25.0	ND	94	70-130			
Dibromomethane	23.2	0.50	ug/l	25.0	ND	93	70-130			
1,2-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichlorobenzene	22.8	0.50	ug/l	25.0	ND	91	70-130			
1,4-Dichlorobenzene	22.6	0.50	ug/l	25.0	ND	90	70-130			
Dichlorodifluoromethane	22.7	0.50	ug/l	25.0	ND	91	36-150			
1,1-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	70-130			
1,2-Dichloroethane	22.9	0.50	ug/l	25.0	ND	92	68-143			
1,1-Dichloroethene	26.8	0.50	ug/l	25.0	ND	107	70-130			
cis-1,2-Dichloroethene	21.7	0.50	ug/l	25.0	ND	87	70-130			
trans-1,2-Dichloroethene	22.4	0.50	ug/l	25.0	ND	90	70-130			
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130			
1,3-Dichloropropane	22.9	0.50	ug/l	25.0	ND	91	70-130			
2,2-Dichloropropane	22.1	1.0	ug/l	25.0	ND	88	66-130			

TestAmerica Phoenix

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Analyzed: 03/18/2011 (11C0694-MS1)					**Source: PUC0827-02**					
1,1-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
cis-1,3-Dichloropropene	22.5	0.50	ug/l	25.0	ND	90	70-130			
trans-1,3-Dichloropropene	24.6	0.50	ug/l	25.0	ND	98	71-132			
Ethylbenzene	21.8	0.50	ug/l	25.0	ND	87	70-130			
Hexachlorobutadiene	23.7	1.0	ug/l	25.0	ND	95	66-129			
2-Hexanone	25.8	2.5	ug/l	25.0	ND	103	18-150			
Iodomethane	35.6	2.5	ug/l	25.0	ND	142	47-141			*NI*
Isopropylbenzene	24.9	0.50	ug/l	25.0	ND	99	78-137			
p-Isopropyltoluene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Methylene Chloride	26.8	1.0	ug/l	25.0	ND	107	74-132			
4-Methyl-2-pentanone (MIBK)	25.0	2.5	ug/l	25.0	ND	100	56-145			
Methyl-tert-butyl Ether (MTBE)	22.3	0.50	ug/l	25.0	ND	89	67-138			
Naphthalene	23.6	2.5	ug/l	25.0	ND	95	54-135			
n-Propylbenzene	23.3	0.50	ug/l	25.0	ND	93	70-130			
Styrene	21.4	0.50	ug/l	25.0	ND	86	51-123			
1,1,1,2-Tetrachloroethane	22.0	0.50	ug/l	25.0	ND	88	70-130			
1,1,2,2-Tetrachloroethane	23.8	0.50	ug/l	25.0	ND	95	69-133			
Tetrachloroethene	23.8	0.50	ug/l	25.0	1.89	88	70-130			
Toluene	21.6	0.50	ug/l	25.0	ND	86	70-130			
1,2,3-Trichlorobenzene	25.3	1.0	ug/l	25.0	ND	101	70-130			
1,2,4-Trichlorobenzene	25.4	1.0	ug/l	25.0	ND	102	66-126			
1,1,1-Trichloroethane	22.7	0.50	ug/l	25.0	ND	91	76-132			
1,1,2-Trichloroethane	22.8	0.50	ug/l	25.0	ND	91	70-130			
Trichloroethene	22.0	0.50	ug/l	25.0	0.400	87	70-130			
Trichlorofluoromethane	27.1	0.50	ug/l	25.0	ND	108	74-150			
1,2,3-Trichloropropane	22.8	1.0	ug/l	25.0	ND	91	70-130			
1,2,4-Trimethylbenzene	23.4	0.50	ug/l	25.0	ND	93	70-130			
1,3,5-Trimethylbenzene	22.9	0.50	ug/l	25.0	ND	91	61-138			
Vinyl Acetate	28.1	1.0	ug/l	25.0	ND	112	50-150			
Vinyl chloride	23.5	0.50	ug/l	25.0	ND	94	58-139			
Xylenes, Total	43.3	1.0	ug/l	50.0	ND	87	70-130			
Freon 113	26.4	2.0	ug/l	25.0	ND	106	56-148			
Surrogate: Dibromofluoromethane	*22.2*		*ug/l*	*25.0*		*89*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.5*		*ug/l*	*25.0*		*86*	*70-130*			

TestAmerica Phoenix

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Project Manager

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Environmental Resources Management Inc.-West
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Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
Acetone	26.7	10	ug/l	25.0	ND	107	10-150	15	35	
Benzene	21.7	0.50	ug/l	25.0	ND	87	70-130	0.5	20	
Bromobenzene	22.9	0.50	ug/l	25.0	ND	92	70-130	0.04	20	
Bromochloromethane	22.0	0.50	ug/l	25.0	ND	88	70-130	3	20	
Bromodichloromethane	22.6	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Bromoform	23.7	1.0	ug/l	25.0	ND	95	62-126	0.3	20	
Bromomethane	21.9	1.0	ug/l	25.0	ND	88	55-136	0.5	24	
2-Butanone (MEK)	24.7	2.5	ug/l	25.0	ND	99	22-150	4	31	
n-Butylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.3	20	
sec-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.3	20	
tert-Butylbenzene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.09	20	
Carbon disulfide	25.2	0.50	ug/l	25.0	ND	101	56-132	19	20	
Carbon tetrachloride	23.3	0.50	ug/l	25.0	ND	93	76-131	2	20	
Chlorobenzene	22.1	0.50	ug/l	25.0	ND	88	70-130	2	20	
Chloroethane	22.4	1.0	ug/l	25.0	ND	90	67-134	8	20	
Chloroform	22.7	0.50	ug/l	25.0	1.20	86	70-130	1	20	
Chloromethane	19.9	1.0	ug/l	25.0	ND	80	50-135	10	20	
2-Chlorotoluene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
4-Chlorotoluene	22.8	0.50	ug/l	25.0	ND	91	70-130	1	20	
Dibromochloromethane	22.5	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
1,2-Dibromo-3-chloropropane	24.0	2.5	ug/l	25.0	ND	96	60-135	4	29	
1,2-Dibromoethane (EDB)	22.8	0.50	ug/l	25.0	ND	91	70-130	3	20	
Dibromomethane	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
1,2-Dichlorobenzene	22.3	0.50	ug/l	25.0	ND	89	70-130	2	20	
1,3-Dichlorobenzene	22.5	0.50	ug/l	25.0	ND	90	70-130	1	20	
1,4-Dichlorobenzene	22.4	0.50	ug/l	25.0	ND	90	70-130	0.8	20	
Dichlorodifluoromethane	22.2	0.50	ug/l	25.0	ND	89	36-150	2	22	
1,1-Dichloroethane	21.4	0.50	ug/l	25.0	ND	86	70-130	2	20	
1,2-Dichloroethane	21.9	0.50	ug/l	25.0	ND	88	68-143	5	20	
1,1-Dichloroethene	21.4	0.50	ug/l	25.0	ND	86	70-130	22	20	*R1*
cis-1,2-Dichloroethene	20.6	0.50	ug/l	25.0	ND	82	70-130	5	20	
trans-1,2-Dichloroethene	22.0	0.50	ug/l	25.0	ND	88	70-130	2	20	
1,2-Dichloropropane	22.7	0.50	ug/l	25.0	ND	91	70-130	0.09	20	
1,3-Dichloropropane	22.3	0.50	ug/l	25.0	ND	89	70-130	3	20	
2,2-Dichloropropane	21.6	1.0	ug/l	25.0	ND	86	66-130	2	20	

TestAmerica Phoenix

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METHOD BLANK/QC DATA

VOLATILE ORGANICS BY GC/MS (EPA 5030B/8260B)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0694 Extracted: 03/18/11										
Matrix Spike Dup Analyzed: 03/18/2011 (11C0694-MSD1)					**Source: PUC0827-02**					
1,1-Dichloropropene	22.6	0.50	ug/l	25.0	ND	90	70-130	0.7	20	
cis-1,3-Dichloropropene	22.9	0.50	ug/l	25.0	ND	92	70-130	2	20	
trans-1,3-Dichloropropene	23.8	0.50	ug/l	25.0	ND	95	71-132	3	20	
Ethylbenzene	22.0	0.50	ug/l	25.0	ND	88	70-130	1	20	
Hexachlorobutadiene	23.6	1.0	ug/l	25.0	ND	95	66-129	0.2	21	
2-Hexanone	25.1	2.5	ug/l	25.0	ND	100	18-150	3	25	
Iodomethane	29.0	2.5	ug/l	25.0	ND	116	47-141	20	29	
Isopropylbenzene	25.0	0.50	ug/l	25.0	ND	100	78-137	0.6	20	
p-Isopropyltoluene	23.0	0.50	ug/l	25.0	ND	92	70-130	1	20	
Methylene Chloride	21.3	1.0	ug/l	25.0	ND	85	74-132	23	20	*R1*
4-Methyl-2-pentanone (MIBK)	24.6	2.5	ug/l	25.0	ND	98	56-145	2	26	
Methyl-tert-butyl Ether (MTBE)	21.7	0.50	ug/l	25.0	ND	87	67-138	3	21	
Naphthalene	24.6	2.5	ug/l	25.0	ND	98	54-135	4	33	
n-Propylbenzene	23.4	0.50	ug/l	25.0	ND	94	70-130	0.5	20	
Styrene	21.4	0.50	ug/l	25.0	ND	85	51-123	0.2	21	
1,1,1,2-Tetrachloroethane	22.4	0.50	ug/l	25.0	ND	90	70-130	2	20	
1,1,2,2-Tetrachloroethane	23.4	0.50	ug/l	25.0	ND	94	69-133	1	20	
Tetrachloroethene	24.2	0.50	ug/l	25.0	1.89	89	70-130	1	20	
Toluene	22.2	0.50	ug/l	25.0	ND	89	70-130	3	20	
1,2,3-Trichlorobenzene	24.8	1.0	ug/l	25.0	ND	99	70-130	2	20	
1,2,4-Trichlorobenzene	24.9	1.0	ug/l	25.0	ND	99	66-126	2	20	
1,1,1-Trichloroethane	22.3	0.50	ug/l	25.0	ND	89	76-132	2	20	
1,1,2-Trichloroethane	22.6	0.50	ug/l	25.0	ND	90	70-130	1	20	
Trichloroethene	22.6	0.50	ug/l	25.0	0.400	89	70-130	3	20	
Trichlorofluoromethane	25.7	0.50	ug/l	25.0	ND	103	74-150	5	20	
1,2,3-Trichloropropane	24.0	1.0	ug/l	25.0	ND	96	70-130	5	20	
1,2,4-Trimethylbenzene	23.2	0.50	ug/l	25.0	ND	93	70-130	0.4	20	
1,3,5-Trimethylbenzene	22.8	0.50	ug/l	25.0	ND	91	61-138	0.4	33	
Vinyl Acetate	26.4	1.0	ug/l	25.0	ND	105	50-150	6	23	
Vinyl chloride	23.2	0.50	ug/l	25.0	ND	93	58-139	1	21	
Xylenes, Total	43.5	1.0	ug/l	50.0	ND	87	70-130	0.3	20	
Freon 113	20.4	2.0	ug/l	25.0	ND	82	56-148	26	22	*R1*
Surrogate: Dibromofluoromethane	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: Toluene-d8	*21.8*		*ug/l*	*25.0*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*21.7*		*ug/l*	*25.0*		*87*	*70-130*			

TestAmerica Phoenix

Kylie Emily
Project Manager

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
4625 East Cotton Center Blvd. Ste 189, Phoenix, AZ 85040 (602) 437-3340 Fax:(602) 454-9303

Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

METHOD BLANK/QC DATA

1,4-DIOXANE BY GC/MS (EPA 3520C/8270C MOD)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
Batch: 11C0526 Extracted: 03/14/11										
Blank Analyzed: 03/16/2011 (11C0526-BLK1)										
1,4-Dioxane	ND	1.0	ug/l							
Surrogate: 1,4-Dioxane-d8	*14.5*		*ug/l*	*20.0*		*73*	*20-105*			
Surrogate: Nitrobenzene-d5	*15.7*		*ug/l*	*20.0*		*79*	*30-130*			
LCS Analyzed: 03/16/2011 (11C0526-BS1)										**Q8**
1,4-Dioxane	20.9	1.0	ug/l	20.0		104	85-115			
Surrogate: 1,4-Dioxane-d8	*12.9*		*ug/l*	*20.0*		*64*	*30-105*			
Surrogate: Nitrobenzene-d5	*14.9*		*ug/l*	*20.0*		*74*	*35-140*			
LCS Dup Analyzed: 03/16/2011 (11C0526-BSD1)										**Q8**
1,4-Dioxane	20.8	1.0	ug/l	20.0		104	85-115	0.3	20	
Surrogate: 1,4-Dioxane-d8	*14.2*		*ug/l*	*20.0*		*71*	*30-105*			
Surrogate: Nitrobenzene-d5	*16.6*		*ug/l*	*20.0*		*83*	*35-140*			

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Project Manager

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Environmental Resources Management Inc.-West	Project ID: 0096498.009	
7272 E. Indian School Rd. Ste 100		Sampled: 03/10/11
Scottsdale, AZ 85251	Report Number: PUC0730	Received: 03/10/11
Attention: Jason Hilker		

DATA QUALIFIERS AND DEFINITIONS

N1	See case narrative.
Q8	Insufficient sample received to meet method QC requirements. Batch QC requirements satisfy ADEQ policies 0154.000 and 0155.000.
R1	The RPD/RSD exceeded the method acceptance limit.
R6	LFB/LFBD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD	Relative Percent Difference

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Project Manager

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Environmental Resources Management Inc.-West
7272 E. Indian School Rd. Ste 100
Scottsdale, AZ 85251
Attention: Jason Hilker

Project ID: 0096498.009
Report Number: PUC0730

Sampled: 03/10/11
Received: 03/10/11

Certification Summary

TestAmerica Phoenix

Method	Matrix	Nelac	Arizona
EPA 8260B	Water	X	X
SW8270C	Water	X	X

Nevada and NELAP provide analyte specific accreditations. Analyte specific information for TestAmerica may be obtained by contacting the laboratory or visiting our website at www.testamericainc.com

TestAmerica Phoenix

Kylie Emily
Project Manager

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THE LEADER IN ENVIRONMENTAL TESTING

CALIBRATION DATA

METHOD: 8260B

DATE: 03/14/2011

(*) No Ethanol, TBA on this Curve, spiked in SS, /lcv.)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Phoenix

SOP No. PE-QAD-022, Rev. 0
Effective Date: 09/30/2008
Page No.: 1 of 1

Attachment 1

INITIAL CALIBRATION CURVE CHECKLIST

Department: VOA	Method: 8260	Instrument #~~GCMS 3~~ GCMS 13 *
Analyst: NL	Analysis Date: * ~~3/10~~ 3/14/11	

Method name saved in the file: * NL 3/15/11

1. How many calibration points were used? 3, 4, 5, 6, 7, 8, (9), 10, 11, 12
2. Did the calibration curve pass the method criteria? (Y) N
3. Were any points of the curve removed or replaced? Y (N)

   If yes, what points were removed or replaced: lowest middle highest

   Why?

4. Were any individual analyte points removed? (Y) N

   If yes, what points were removed or replaced: (lowest) middle highest

   List of the analytes: Ethanol, TBA, Bromomethane, acetone, iodomethane, and 1,2-Dibromo-3-chloropropane

   Why? Less than lowest RL; RSD > 15%

5. Circle the calibration model used (you may circle one or more)
   - ☑ Average Response Factor
   - ☑ Linear Regression / not forced through zero / simple linear
     - ☐ Equal weighting
     - ☑ Inverse of concentration
     - ☐ Inverse of square of concentration
   - ☐ Linear Regression / forced through zero
   - ☑ 2nd Order Regression (Quadratic) / not forced through zero
     - ☐ Equal weighting
     - ☑ Inverse of concentration
     - ☐ Inverse of square of concentration
6. Did the calibration meet the Good Documentation Practices SOP requirements: (Y) N

Review Signatures:	Analyst: [signature]	Date: 3/15/11
	Reviewer: [signature]	Date: 3/16/11

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL DATA REVIEW CHECKLIST

SOP PE-VOA-001 R.1
GC/MS Volatile Organic Analysis [Method No. EPA 624 & 8260B]

Analysis Date: 3/14/11	Analyst: NL		
Description	**Yes**	**No**	**NA[1]**
1. BFB (50 ng or less): Verify meets criteria every 12 hours	✓		
2. Initial Calibration Curve (5 levels)			
- Date of Initial Calibration: 3/14/11	✓		
- SPCCs must meet Min. RF	✓		
- CCCs ≤ 30% RPD	✓		
- All other compounds ≤ 15% RSD or use curve	✓		
- Comments:			
- Second source within historical limits	✓		
3. Continuing Calibration Check (every 12 hours)			
- SPCCs must meet Min. RF	✓		
- CCCs ≤ 20% D	✓		
- IS RT ± 30 secs	✓		
- IS area –50% to +100%	✓		
- All CCVs for reported analytes within historical limits	✓		
4. Method Blank			
- Analyze one per batch (≤ 20 samples or 12 hours, whichever is more frequent)	✓		
- All compounds of interest must be < Reporting Limit	✓		
5. Laboratory Control Samples (LCS/LCSD)			NA
- Must be analyzed per 20 samples/per matrix/per batch			
- LCS/LSCD recoveries within historical limits			
- RPD ≤ 25%			
- Surrogates within historical limits			
6. MS/MSD			
- Must be analyzed per 20 samples/per matrix/per batch			
- MS/MSD recoveries within historical limits			
- RPD ≤ 25%			
- Surrogates within historical limits			
7. Samples			
- Analyzed within 14 days of sampling			
- IS = RT ± 30 secs and area –50% to +100% of Mid-Point of last ICAL or CCV			
- Surrogate recoveries within historical limits			
- pH ≤ 2			
- If pH is not ≤ 2, flag data with P and pH Data Qualifier			
Comments:			

NOTE: Batch = 12 hour (from injection of BFB)

Review Signatures:	Analyst: [signature]	Date: 3/15/11
	Reviewer: [signature]	Date: 3/16/11

[1]) NA: Not Applicable

Injection Log

Directory: C:\HPCHEM\1\GCMS13\DATA\031411

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	03141101.d	1.	BLK		14 Mar 2011 06:23
2	2	03141102.d	1.	BLK		14 Mar 2011 06:56
3	1	03141103.d	1.	TUNE		14 Mar 2011 07:43
4	1	03141104.d	1.	25 PPB CCV		14 Mar 2011 08:12
5	2	03141105.d	1.	BLANK		14 Mar 2011 08:55
6	3	03141106.d	1.	BLANK		14 Mar 2011 09:28
7	4	03141107.d	1.	BLANK		14 Mar 2011 10:01
8	5	03141108.d	1.	0.5 PPB CAL PT		14 Mar 2011 10:33
9	6	03141109.d	1.	1.0 PPB CAL PT		14 Mar 2011 11:06
10	7	03141110.d	1.	2.0 PPB CAL PT		14 Mar 2011 11:39
11	8	03141111.d	1.	2.0 PPB CAL PT		14 Mar 2011 12:14
12	9	03141112.d	1.	5.0 PPB CAL PT		14 Mar 2011 12:47
13	10	03141113.d	1.	10 PPB CAL PT		14 Mar 2011 13:20
14	11	03141114.d	1.	25 PPB CAL PT		14 Mar 2011 13:53
15	12	03141115.d	1.	50 PPB CAL PT		14 Mar 2011 14:25
16	13	03141116.d	1.	100 PPB CAL PT		14 Mar 2011 14:57
17	14	03141117.d	1.	200 PPB CAL PT		14 Mar 2011 15:29 ok
18	15	03141118.d	1.	BLANK		14 Mar 2011 16:02
19	16	03141119.d	1.	BLANK		14 Mar 2011 16:35
20	1	03141120.d	1.	TUNE		14 Mar 2011 17:13
21	1	03141121.d	1.	25PPB CCV		14 Mar 2011 17:28
22	2	03141122.d	1.	BS/ICV		14 Mar 2011 18:01
23	3	03141123.d	1.	11C0531-BSD1		14 Mar 2011 18:34
24	4	03141124.d	1.	11C0531-MS1		14 Mar 2011 19:06
25	5	03141125.d	1.	11C0531-MSD1		14 Mar 2011 19:38
26	6	03141126.d	1.	BLK		14 Mar 2011 20:11
27	7	03141127.d	1.	11C0531-BLK1		14 Mar 2011 20:44
28	8	03141128.d	1.	PUC0598-05@TB		14 Mar 2011 21:17
29	9	03141129.d	1.	PUC0525-10@TB		14 Mar 2011 21:49
30	10	03141130.d	1.	PUC0526-02@TB		14 Mar 2011 22:22
31	11	03141131.d	1.	PUC0598-03		14 Mar 2011 22:55
32	12	03141132.d	1.	PUC0598-04		14 Mar 2011 23:28
33	13	03141133.d	1.	PUC0598-01		15 Mar 2011 00:01
34	14	03141134.d	1.	PUC0598-02		15 Mar 2011 00:33
35	15	03141135.d	1.	PUC0525-06		15 Mar 2011 01:06
36	16	03141136.d	1.	PUC0525-07		15 Mar 2011 01:39
37	17	03141137.d	1.	PUC0525-08		15 Mar 2011 02:12
38	18	03141138.d	1.	PUC0525-09		15 Mar 2011 02:45
39	19	03141139.d	1.	PUC0526-01		15 Mar 2011 03:18
40	20	03141140.d	1.	PUC0505-10RE1	10X	15 Mar 2011 03:51
41	21	03141141.d	1.	PUC0527-01RE1	50X	15 Mar 2011 04:24

M 3/16/11

MG 3/15/11

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GC/MS 13 DAILY LOG SUMMARY

DATE: 03-14-11 QC BATCH # (s) : 11C0531

ANALYST: NL SEQUENCE FILE: 031411.S

CALIBRATION METHOD(S): 031411.M

POS #	FILENAME	SAMPLE ID.CLIENT	SAMPLE VOL.	pH	EPA METHOD	MATRIX	COMMENTS
	03141101	Blank	1x 10mL	NA	8260	H_2O	
	02						
	03	Tune	2uL				
	04	25 ppb	1x10mL				
	05	Blank					
	06						
	07						
	08	0.5 ppb					
	09	1.0					* NL 3/14/11
	10	2.0					
	11	~~3.0~~ 2.0 *					
	12	5.0					
	13	10					
	14	25					
	15	50					
	16	100					
	17	200					
	18	Blank					
	19						
	20	Tune	2uL				
	21	25 ppb CCV	1x10mL				
	22	ICV/BS1					11C0531-BS1
	23	11C0531-BSD1					
	24	~~BLK1~~ * MS1					vial B
	25	MSD1					c
	26	Blank					
	27	11C0531-BLK1					
	28	PHC0598-05 A ~~B~~					
	29	0525-10 A					
	30	0528-02 A					

STANDARD ID NUMBERS

CCV/H20 LCS/H20 SPIKE: PHC1393, 01471

CALIBRATION STD: PHC1521, 01334

IS/Surrogate: PHC1157

BFB: PHC1261

LOT #:

REQUIRED REVIEWS

ARCHON REVIEWED

By / Date: NL 3/14/11

SEQUENCE REVIEWED

By / Date: NL 3/15/11

FINAL REVIEWER / Date: M 4/11/11

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GC/MS 13 DAILY LOG SUMMARY

DATE: 3-14-11 (con't) QC BATCH # (s) :

ANALYST: SEQUENCE FILE:

CALIBRATION METHOD(S):

POS #	FILENAME	SAMPLE ID.CLIENT	SAMPLE VOL.	pH	EPA METHOD	MATRIX	COMMENTS
	03141131	PLCO598-03 A	1x10mL		8260	H_2O	
	32	04 A					
	33	01 A					Source
	34	02 A					
	35	0525-06 B					
	36	07 B					
	37	08 A					
	38	09 A					
	39	0526-01 A					
	40	0505-10REI @10X	1mL→10mL				
	41	0527-01REI @50X	200µL→10mL				

NL 3/15/11

STANDARD ID NUMBERS

CCV/H20 LCS/H20 SPIKE:

CALIBRATION STD:

IS/Surrogate:

BFB:

LOT #:

See prev. page (18)

REQUIRED REVIEWS

ARCHON REVIEWED

By / Date:

SEQUENCE REVIEWED

By / Date:

FINAL REVIEWER / Date:

TestAmerica
Phoenix

Instrument ID	GCMS 13
Date:	3/14/11
Analyst	NL
Method(s)	8260
50 ppm Cal. Std.	PU01521
500 / 250 ppm EtOH/TBA Cal. Std.	PU01334
50 ppm SS Std.	PU01393
500 / 250 ppm EtOH/TBA SS Std.	PU01471

This table outlines the initial calibration preparation for GCMS 13.

	FINAL CONCENTRATIONS (ppb)		**SPIKE AMOUNTS (uL)**	
Calibration number	ISTD / Surrogates *	Target Compounds VOC / EtOH / TBA	Calibration standard 50 ppm and Ethanol/TBA standard 500 ppm /250 ppm	Final Volume (mL)
1	25	0.5 / 2.5 / 5	1	100
2	25	1 / 5 10	1	50
3	25	2 / 10 / 20	2	50
4	25	5 / 25 / 50	5	50
5	25	10 / 50 / 100	10	50
6*	**25**	**25 / 125 / 250**	**25**	**50**
7	25	50 / 250 / 500	50	50
8	25	100 / 500 / 1000	100	50
9	25	200 / 1000 / 2000	200	50

SS/ICVs are at the same level as Calibration point #6 and prepared the same way.

Reviewed By: [signature] Date: 3/16/11

RESPONSE FACTOR REPORT

Operator NL
Standard Lot_____
Reviewed by_____
GCMS13

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration

Calibration File
0.5 =03141108.D 1.0 =03141109.D 2.0 =03141111.D 5.0 =03141112.D
25.0 =03141114.D 50.0 =03141115.D 100 =03141116.D 200 =03141117.D =

	Compound	0.5	1.0	2.0	5.0	10.0	25.0	50.0	100	200	Avg	%RSD
I	TBA-d9	ISTD										
T	Ethanol					0.076	0.081	0.087	0.081	0.073	0.080	6.69
T	tert-Butanol (TBA)			1.725	1.000	1.008	0.962	1.044	1.055	0.965	1.108	24.75 r²=0.997
I	Pentafluorobenzene	ISTD										
T	Dichlorodifluoromethane	0.915	0.833	0.942	0.943	0.936	0.917	0.945	0.921	0.890	0.916	3.92
P	Chloromethane	0.550	0.490	0.574	0.483	0.408	0.447	0.483	0.593	0.648	0.520	14.74
C	Vinyl chloride	0.523	0.513	0.656	0.564	0.550	0.540	0.560	0.570	0.524	0.556	7.67
T	Bromomethane		0.285	0.300	0.243	0.300	0.420	0.505	0.554	0.604	0.401	34.49 r²=1.000
T	Chloroethane	0.434	0.459	0.625	0.477	0.469	0.470	0.465	0.433	0.430	0.474	12.59
T	Trichlorofluoromethane	1.096	1.028	1.207	1.134	1.176	1.157	1.170	1.162	1.135	1.141	4.59
T	Acetone				0.139	0.136	0.107	0.120	0.113	0.127	0.124	10.20
T	Iodomethane			0.271	0.285	0.388	0.531	0.588	0.544	0.608	0.459	30.99 r²=0.996
C	1,1-Dichloroethene	0.624	0.527	0.691	0.567	0.574	0.558	0.579	0.580	0.572	0.586	7.97
T	Methylene chloride	0.743	0.712	0.837	0.666	0.678	0.646	0.655	0.640	0.632	0.690	9.52
T	Freon 113	0.738	0.686	0.736	0.732	0.764	0.738	0.748	0.748	0.715	0.734	3.05
T	Carbon disulfide	1.920	1.653	2.096	1.497	1.504	1.446	1.481	1.536	1.523	1.629	13.94
T	trans-1,2-Dichloroethene	0.669	0.606	0.889	0.619	0.654	0.625	0.649	0.642	0.622	0.664	13.05
T	MTBE	1.131	1.131	1.202	1.169	1.204	1.189	1.233	1.215	1.254	1.192	3.56
P	1,1-Dichloroethane	1.166	1.200	1.599	1.217	1.215	1.194	1.191	1.204	1.148	1.237	11.12
T	Vinyl acetate	0.555	0.560	0.576	0.505	0.509	0.594	0.602	0.603	0.647	0.572	8.05
T	n-Hexane	0.124	0.125	0.128	0.137	0.122	0.121	0.120	0.115	0.108	0.122	6.54
T	2-Butanone (MEK)	0.040	0.032	0.040	0.031	0.030	0.031	0.032	0.030	0.030	0.033	12.43
T	Diisopropylether (DIPE)	2.153	2.375	2.713	2.248	2.246	2.239	2.262	2.103	1.990	2.259	8.97
T	cis-1,2-dichloroethene	0.713	0.676	0.926	0.688	0.686	0.686	0.685	0.691	0.654	0.712	11.49
T	Bromochloromethane	0.229	0.244	0.266	0.244	0.240	0.244	0.247	0.251	0.251	0.246	4.12
C	Chloroform	1.296	1.297	1.738	1.317	1.305	1.256	1.272	1.258	1.193	1.326	12.00
T	2,2-Dichloropropane	1.116	1.071	1.452	1.030	0.999	0.992	0.993	0.992	0.948	1.066	14.36
T	(ETBE) 2-Ethoxy-2-methyl propane	1.563	1.701	1.913	1.714	1.681	1.727	1.767	1.696	1.674	1.715	5.40
S	Dibromofluoromethane	0.563	0.555	0.584	0.571	0.569	0.578	0.587	0.584	0.569	0.573	1.87
T	1,2-Dichloroethane	0.790	0.811	0.922	0.828	0.824	0.813	0.830	0.825	0.816	0.829	4.44
T	1,1,1-Trichloroethane	1.101	1.063	1.448	1.152	1.156	1.127	1.164	1.152	1.080	1.160	9.79

M 4/16/11

NL 3/15/11

T	(TAME) tert-Amyl methy ether	1.124	1.166	1.272	1.185	1.190	1.205	1.240	1.204	1.192	1.198	3.51
I	1,4-Difluorobenzene	----------ISTD----------										
T	1,1-Dichloropropene	0.621	0.596	0.740	0.623	0.624	0.599	0.597	0.605	0.587	0.621	7.49
T	Carbon tetrachloride	0.597	0.604	0.772	0.661	0.661	0.647	0.665	0.660	0.651	0.657	7.58
T	Benzene	1.567	1.521	2.016	1.553	1.569	1.486	1.512	1.474	1.394	1.566	11.32
T	Dibromomethane	0.217	0.222	0.253	0.239	0.237	0.230	0.228	0.222	0.227	0.230	4.76
C	1,2-Dichloropropane	0.381	0.383	0.500	0.396	0.399	0.386	0.379	0.370	0.358	0.395	10.50
T	Trichloroethene	0.500	0.473	0.610	0.474	0.477	0.473	0.458	0.459	0.446	0.486	10.06
T	Bromodichloromethane	0.570	0.571	0.721	0.617	0.623	0.604	0.617	0.594	0.604	0.614	7.25
T	2-Chlorovinylethylether	0.123	0.118	0.123	0.131	0.126	0.135	0.134	0.132	0.142	0.129	5.83
T	cis-1,3-Dichloropropene	0.570	0.570	0.705	0.590	0.602	0.599	0.594	0.590	0.582	0.600	6.82
T	4-Methyl-2-pentanone (MIBK)	0.186	0.185	0.194	0.189	0.193	0.201	0.200	0.193	0.214	0.195	4.68
T	trans-1,3-Dichloropropene	0.433	0.462	0.538	0.501	0.494	0.504	0.502	0.497	0.515	0.494	6.14
T	1,1,2-Trichloroethane	0.245	0.255	0.284	0.268	0.262	0.258	0.258	0.258	0.267	0.262	4.19
S	Toluene-d8	1.077	1.073	1.094	1.109	1.095	1.118	1.097	1.110	1.151	1.103	2.11
C	Toluene	0.896	0.964	1.251	0.987	0.947	0.919	0.892	0.856	0.852	0.952	12.75
I	Chlorobenzene-d5	----------ISTD----------										
T	1,3-Dichloropropane	0.476	0.514	0.535	0.497	0.516	0.472	0.473	0.447	0.471	0.489	5.73
T	2-Hexanone	0.169	0.160	0.169	0.150	0.154	0.141	0.149	0.136	0.154	0.153	7.44
T	Dibromochloromethane	0.356	0.343	0.425	0.391	0.394	0.385	0.397	0.382	0.409	0.387	6.46
T	1,2-Dibromoethane	0.301	0.288	0.291	0.296	0.307	0.289	0.294	0.283	0.306	0.295	2.78
T	Tetrachloroethene	0.446	0.451	0.540	0.433	0.443	0.406	0.414	0.398	0.396	0.436	10.13
T	1,1,1,2-Tetrachloroethane	0.574	0.440	0.531	0.432	0.421	0.402	0.408	0.396	0.415	0.447	14.04
P	Chlorobenzene	1.163	1.195	1.463	1.117	1.143	1.075	1.101	1.025	1.051	1.148	11.31
C	Ethylbenzene	2.051	2.111	2.735	2.057	2.104	1.984	1.948	1.789	1.708	2.054	14.14
T	m,p-Xylenes	0.733	0.742	0.957	0.727	0.715	0.672	0.684	0.644	0.639	0.724	13.15
T	Styrene	1.014	1.079	1.372	1.130	1.153	1.070	1.085	0.992	0.999	1.099	10.61
T	o-Xylene	0.682	0.727	0.956	0.725	0.702	0.647	0.619	0.591	0.580	0.692	16.36
S	4-Bromofluorobenzene	0.566	0.560	0.566	0.572	0.572	0.543	0.548	0.509	0.529	0.551	3.93
I	1,4-Dichlorobenzene-d4	----------ISTD----------										
P	Bromoform	0.352	0.383	0.468	0.432	0.432	0.474	0.471	0.484	0.515	0.446	11.54
P	1,1,2,2-Tetrachloroethane	0.519	0.491	0.504	0.493	0.482	0.499	0.458	0.448	0.452	0.483	5.17
T	1,2,3-Trichloropropane	0.140	0.132	0.138	0.142	0.139	0.143	0.138	0.141	0.149	0.140	3.36
T	Isopropylbenzene	2.960	3.169	4.099	3.228	3.178	3.261	3.064	3.065	2.875	3.211	11.08
T	Bromobenzene	0.886	0.859	1.052	0.879	0.864	0.891	0.857	0.862	0.841	0.888	7.14
T	n-Propylbenzene	4.027	4.111	5.343	4.267	4.231	4.136	3.971	3.869	3.486	4.160	12.05
T	2-Chlorotoluene	2.543	2.643	3.378	2.673	2.604	2.582	2.525	2.415	2.270	2.626	11.73
T	4-Chlorotoluene	2.504	2.754	3.500	2.706	2.656	2.595	2.502	2.507	2.294	2.669	12.75
T	1,3,5-Trimethylbenzene	2.655	2.886	3.708	2.909	2.878	2.838	2.740	2.768	2.533	2.879	11.59
T	tert-Butylbenzene	2.275	2.325	2.985	2.331	2.394	2.318	2.215	2.188	2.050	2.342	11.16
T	1,2,4-Trimethylbenzene	2.736	2.834	3.783	2.945	2.898	2.887	2.706	2.678	2.503	2.886	12.59
T	sec-Butylbenzene	3.582	3.581	4.719	3.810	3.796	3.703	3.502	3.417	3.103	3.690	11.98
T	1,3-Dichlorobenzene	1.594	1.644	1.990	1.653	1.578	1.537	1.480	1.455	1.389	1.591	10.90
T	1,4-Dichlorobenzene	1.645	1.699	2.009	1.576	1.572	1.537	1.476	1.435	1.373	1.591	11.72
T	p-Isopropyltoluene	3.023	2.983	3.805	3.026	2.959	2.963	2.841	2.715	2.483	2.978	12.01
T	1,2-Dichlorobenzene	1.414	1.395	1.645	1.418	1.366	1.388	1.337	1.313	1.249	1.392	7.85
T	n-Butylbenzene	2.769	2.939	3.797	3.061	3.017	3.014	2.959	2.826	2.528	2.990	11.53

NV

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T	1,2-Dibromo-3-chloropropane			0.103	0.084	0.085	0.085	0.087	0.083	0.085	0.087	8.21
T	1,2,4-Trichlorobenzene	1.097	1.072	1.251	1.062	1.113	1.149	1.148	1.138	1.134	1.129	4.92
T	Naphthalene	1.191	1.205	1.317	1.249	1.337	1.423	1.394	1.318	1.411	1.316	6.55
T	Hexachlorobutadiene	0.485	0.588	0.695	0.576	0.587	0.617	0.596	0.610	0.608	0.596	9.06
T	1,2,3-Trichlorobenzene	0.879	0.866	0.956	0.890	0.891	0.918	0.912	0.910	0.926	0.905	2.99

(#) = Out of Range

031411.M Tue Mar 15 14:35:07 2011

NL

M 9/16/11

Calibration Status Report GCMS13

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	0.5	5	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D
2	1.0	10	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D
3	2.0	20	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D
4	5.0	50	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D
5	10.0	100	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D
6	25.0	250	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D
7	50.0	500	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D
8	100	1000	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D
9	200	2000	200	C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.5	Mar 14 16:08 2011	Mar 14 15:56 2011	14 Mar 2011 10:33 am
2	1.0	Mar 14 16:09 2011	Mar 14 15:58 2011	14 Mar 2011 11:06 am
3	2.0	Mar 14 16:09 2011	Mar 14 15:59 2011	14 Mar 2011 12:14 pm
4	5.0	Mar 14 16:09 2011	Mar 14 16:00 2011	14 Mar 2011 12:47 pm
5	10.0	Mar 14 16:09 2011	Mar 14 16:01 2011	14 Mar 2011 1:20 pm
6	25.0	Mar 14 16:09 2011	Mar 14 16:04 2011	14 Mar 2011 1:53 pm
7	50.0	Mar 14 16:09 2011	Mar 14 16:05 2011	14 Mar 2011 2:25 pm
8	100	Mar 14 16:09 2011	Mar 14 16:06 2011	14 Mar 2011 2:57 pm
9	200	Mar 14 16:09 2011	Mar 14 16:07 2011	14 Mar 2011 3:29 pm

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NL 3/15/11

Compound List Report GCMS13

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
Total Cpnds : 83

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	TBA-d9	65	7.31	1.000	A	0	A	B
2	T	Ethanol	45	5.90	0.807	A	1	A	B
3	T	tert-Butanol (TBA)	59	7.42	1.015	L	1	A	B
4	I	Pentafluorobenzene	168	10.47	1.000	A	1	A	B
5	T	Dichlorodifluoromethane	85	4.47	0.427	A	1	A	B
6	P	Chloromethane	50	4.78	0.456	A	1	A	B
7	C	Vinyl chloride	62	5.06	0.484	A	1	A	L
8	T	Bromomethane	94	5.66	0.541	Q	1	A	L
9	T	Chloroethane	64	5.87	0.561	A	2	A	B
10	T	Trichlorofluoromethane	101	6.68	0.637	A	1	A	B
11	T	Acetone	43	6.83	0.652	A	1	A	L
12	T	Iodomethane	142	7.46	0.712	L	2	A	B
13	C	1,1-Dichloroethene	96	7.41	0.708	A	2	A	L
14	T	Methylene chloride	84	7.60	0.725	A	2	A	B
15	T	Freon 113	101	7.66	0.732	A	2	A	B
16	T	Carbon disulfide	76	7.92	0.757	A	2	A	B
17	T	trans-1,2-Dichloroethene	96	8.48	0.810	A	2	A	B
18	T	MTBE	73	8.62	0.823	A	1	A	B
19	P	1,1-Dichloroethane	63	8.81	0.841	A	2	A	B
20	T	Vinyl acetate	43	8.95	0.855	A	1	A	B
21	T	n-Hexane	86	9.33	0.890	A	1	A	B
22	T	2-Butanone (MEK)	72	9.34	0.892	A	2	A	B
23	T	Diisopropylether (DIPE)	45	9.36	0.894	A	3	A	B
24	T	cis-1,2-dichloroethene	96	9.54	0.911	A	2	A	B
25	T	Bromochloromethane	128	9.76	0.932	A	2	A	B
26	C	Chloroform	83	9.81	0.937	A	2	A	B
27	T	2,2-Dichloropropane	77	9.92	0.948	A	2	A	B
28	T	(ETBE) 2-Ethoxy-2-methyl propa	59	9.87	0.943	A	2	A	B
29	S	Dibromofluoromethane	113	9.97	0.952	A	0	A	B
30	T	1,2-Dichloroethane	62	10.66	1.018	A	2	A	B
31	T	1,1,1-Trichloroethane	97	10.79	1.031	A	2	A	B
32	T	(TAME) tert-Amyl methy ether	73	11.50	1.098	A	3	A	R
33	I	1,4-Difluorobenzene	114	11.60	1.000	A	0	A	B
34	T	1,1-Dichloropropene	75	11.03	0.951	A	2	A	B
35	T	Carbon tetrachloride	117	11.27	0.971	A	2	A	B
36	T	Benzene	78	11.32	0.975	A	1	A	B
37	T	Dibromomethane	93	12.05	1.039	A	2	A	B
38	C	1,2-Dichloropropane	63	12.09	1.042	A	2	A	B
39	T	Trichloroethene	95	12.14	1.047	A	3	A	B
40	T	Bromodichloromethane	83	12.20	1.052	A	2	A	B
41	T	2-Chlorovinylethylether	63	12.73	1.097	A	2	A	B
42	T	cis-1,3-Dichloropropene	75	13.04	1.124	A	2	A	B
43	T	4-Methyl-2-pentanone (MIBK)	43	13.17	1.135	A	1	A	L
44	T	trans-1,3-Dichloropropene	75	13.60	1.172	A	2	A	B
45	T	1,1,2-Trichloroethane	97	13.82	1.191	A	2	A	Q
46	S	Toluene-d8	98	13.99	1.206	A	0	A	B
47	C	Toluene	92	14.08	1.214	A	2	A	Q
48	I	Chlorobenzene-d5	117	15.95	1.000	A	0	A	B
49	T	1,3-Dichloropropane	76	14.14	0.887	A	1	A	B
50	T	2-Hexanone	43	14.33	0.898	A	2	A	B
51	T	Dibromochloromethane	129	14.52	0.911	A	1	A	B
52	T	1,2-Dibromoethane	107	14.85	0.931	A	1	A	B
53	T	Tetrachloroethene	164	15.08	0.946	A	2	A	B
54	T	1,1,1,2-Tetrachloroethane	131	15.88	0.996	A	2	A	B
55	P	Chlorobenzene	112	15.99	1.003	A	2	A	B
56	C	Ethylbenzene	91	16.24	1.019	A	1	A	B
57	T	m,p-Xylenes	106	16.51	1.035	A	2	A	B
58	T	Styrene	104	16.96	1.063	A	3	A	B
59	T	o-Xylene	106	17.06	1.070	Q	2	A	B

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3/15/11

60	S	4-Bromofluorobenzene	95	17.62	1.105	A	2	A	B
61	I	1,4-Dichlorobenzene-d4	152	19.41	1.000	A	2	A	B
62	P	Bromoform	173	16.68	0.860	A	1	A	B
63	P	1,1,2,2-Tetrachloroethane	83	17.05	0.878	A	2	A	B
64	T	1,2,3-Trichloropropane	110	17.25	0.889	A	2	A	R
65	T	Isopropylbenzene	105	17.56	0.905	A	1	A	L
66	T	Bromobenzene	156	17.92	0.923	A	2	A	B
67	T	n-Propylbenzene	91	18.17	0.936	A	1	A	B
68	T	2-Chlorotoluene	91	18.31	0.943	A	1	A	R
69	T	4-Chlorotoluene	91	18.42	0.949	A	1	A	R
70	T	1,3,5-Trimethylbenzene	105	18.57	0.957	A	1	A	B
71	T	tert-Butylbenzene	119	18.96	0.977	A	2	A	B
72	T	1,2,4-Trimethylbenzene	105	19.11	0.984	A	1	A	B
73	T	sec-Butylbenzene	105	19.25	0.992	A	1	A	R
74	T	1,3-Dichlorobenzene	146	19.36	0.997	A	2	A	R
75	T	1,4-Dichlorobenzene	146	19.44	1.002	A	2	A	R
76	T	p-Isopropyltoluene	119	19.48	1.003	A	2	A	R
77	T	1,2-Dichlorobenzene	146	19.88	1.024	A	2	A	B
78	T	n-Butylbenzene	91	19.98	1.030	A	2	A	B
79	T	1,2-Dibromo-3-chloropropane	75	20.45	1.053	A	2	A	B
80	T	1,2,4-Trichlorobenzene	180	22.15	1.141	A	2	A	B
81	T	Naphthalene	128	22.50	1.159	A	1	A	B
82	T	Hexachlorobutadiene	225	22.55	1.162	A	2	A	B
83	T	1,2,3-Trichlorobenzene	180	22.77	1.173	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

031411.M Tue Mar 15 14:34:50 2011

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141101.D Vial: 1
Acq On : 14 Mar 2011 6:23 am Operator: NL
Sample : BLK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:54 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

clean out

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.32	65	174114	200.00	ug/L	0.00
4) Pentafluorobenzene	10.48	168	1241671	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1816668	25.00	ug/L	-0.01
48) Chlorobenzene-d5	15.94	117	1495081	25.00	ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	825987	25.00	ug/L	-0.03
System Monitoring Compounds						
29) Dibromofluoromethane	9.98	113	664479	22.24	ug/L	0.00
Spiked Amount 25.000			Recovery = 88.96%			
46) Toluene-d8	13.99	98	1888700	24.09	ug/L	-0.01
Spiked Amount 25.000			Recovery = 96.36%			
60) 4-Bromofluorobenzene	17.62	95	826695	27.54	ug/L	-0.03
Spiked Amount 25.000			Recovery = 110.16%			
Target Compounds						Qvalue
2) Ethanol	5.94	45	7103	47.64	ug/L	95
3) tert-Butanol (TBA)	7.44	59	7821	6.09	ug/L	97
8) Bromomethane	5.69	94	1467	0.94	ug/L	91
11) Acetone	6.87	43	98385	14.88	ug/L #	86
12) Iodomethane	7.49	142	1313	1.05	ug/L #	83
14) Methylene chloride	7.63	84	4652	0.13	ug/L	98
16) Carbon disulfide	7.94	76	79760	0.71	ug/L #	97
21) n-Hexane	9.33	86	1224	0.18	ug/L #	33
22) 2-Butanone (MEK)	9.37	72	2078	1.22	ug/L #	1
25) Bromochloromethane	9.77	128	1551	0.12	ug/L #	72
30) 1,2-Dichloroethane	10.67	62	4391	0.12	ug/L	93
35) Carbon tetrachloride	11.26	117	451	0.50	ug/L #	1
36) Benzene	11.32	78	15723	0.15	ug/L #	89
37) Dibromomethane	12.05	93	2241	0.15	ug/L	96
42) cis-1,3-Dichloropropene	13.05	75	3618	0.09	ug/L #	46
43) 4-Methyl-2-pentanone (MIBK	13.18	43	19054	1.36	ug/L	94
44) trans-1,3-Dichloropropene	13.60	75	3203	0.11	ug/L #	55
47) Toluene	14.10	92	21679	0.35	ug/L	95
50) 2-Hexanone	14.34	43	3623	0.39	ug/L #	87
52) 1,2-Dibromoethane	14.86	107	1995	0.12	ug/L	89
57) m,p-Xylenes	16.50	106	4547	0.11	ug/L	97
66) Bromobenzene	17.92	156	2945	0.10	ug/L	97
69) 4-Chlorotoluene	18.41	91	8325	0.10	ug/L	94
72) 1,2,4-Trimethylbenzene	19.10	105	9605	0.10	ug/L	98
74) 1,3-Dichlorobenzene	19.36	146	6917	0.13	ug/L	89
75) 1,4-Dichlorobenzene	19.44	146	8476	0.16	ug/L #	62
76) p-Isopropyltoluene	19.48	119	9361	0.10	ug/L	95
77) 1,2-Dichlorobenzene	19.89	146	5612	0.12	ug/L	95
78) n-Butylbenzene	19.98	91	13124	0.13	ug/L	96
79) 1,2-Dibromo-3-chloropropan	20.43	75	605	0.20	ug/L #	47
80) 1,2,4-Trichlorobenzene	22.15	180	10562	0.31	ug/L	93
81) Naphthalene	22.50	128	20570	0.46	ug/L	98
83) 1,2,3-Trichlorobenzene	22.76	180	10173	0.36	ug/L	91

ml 3/16/11

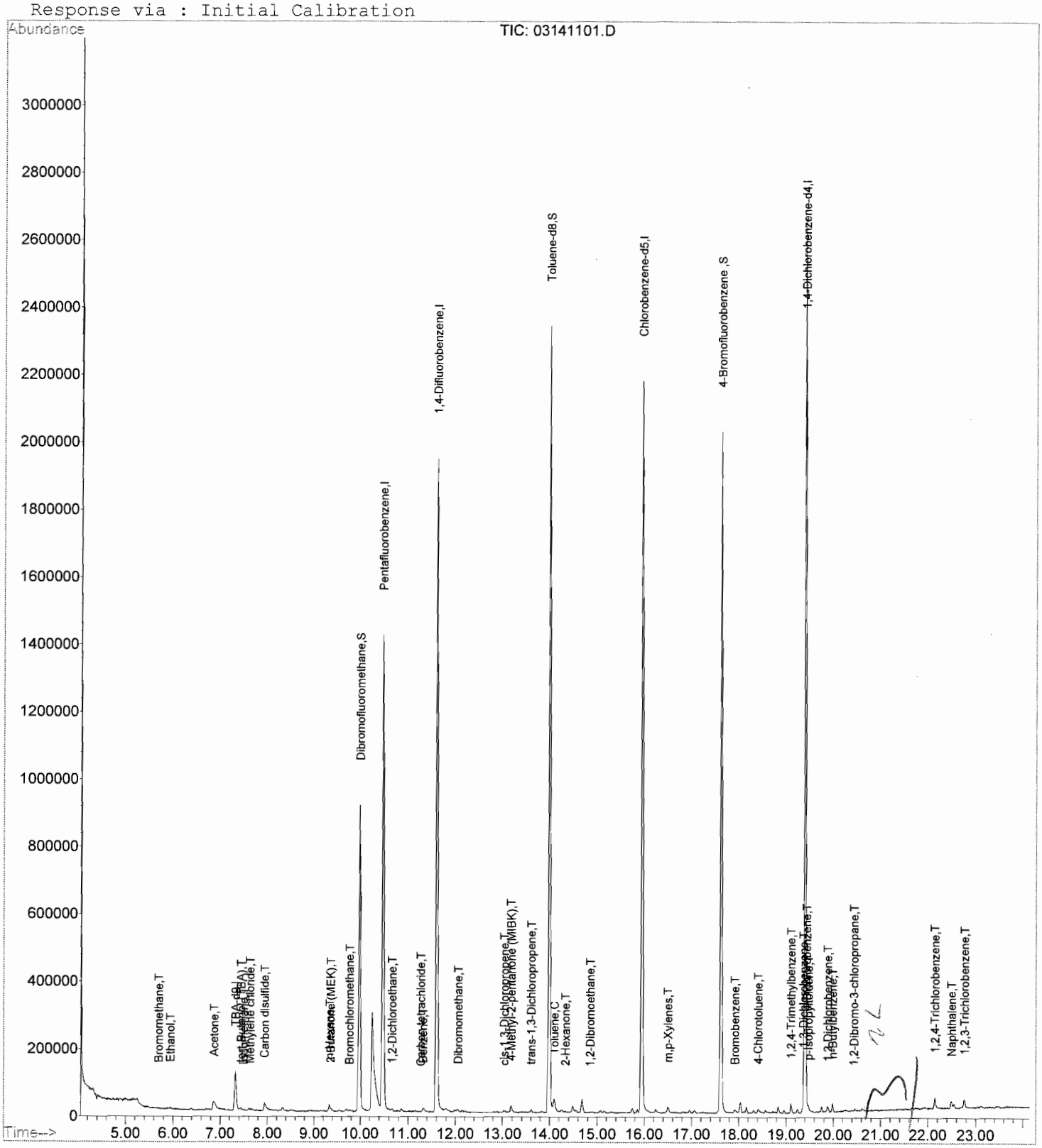
NG 3/15/11

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

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141101.D Vial: 1
Acq On : 14 Mar 2011 6:23 am Operator: NL
Sample : BLK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:54 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141102.D Vial: 2
Acq On : 14 Mar 2011 6:56 am Operator: NL
Sample : BLK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:54 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Clean out

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.32	65	190283	200.00	ug/L	0.00
4) Pentafluorobenzene	10.48	168	1036337	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1474518	25.00	ug/L	-0.01
48) Chlorobenzene-d5	15.95	117	1259222	25.00	ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.41	152	675184	25.00	ug/L	-0.02
System Monitoring Compounds						
29) Dibromofluoromethane	9.98	113	544504	21.84	ug/L	0.00
Spiked Amount 25.000			Recovery = 87.36%			
46) Toluene-d8	13.99	98	1540797	24.21	ug/L	-0.01
Spiked Amount 25.000			Recovery = 96.84%			
60) 4-Bromofluorobenzene	17.62	95	687755	27.20	ug/L	-0.03
Spiked Amount 25.000			Recovery = 108.80%			
Target Compounds						Qvalue
2) Ethanol	5.98	45	852	5.23	ug/L	68
3) tert-Butanol (TBA)	7.45	59	1591	1.13	ug/L	98
8) Bromomethane	5.69	94	870	0.93	ug/L	86
11) Acetone	6.88	43	4705	0.85	ug/L	92
12) Iodomethane	7.48	142	286	1.03	ug/L #	49
21) n-Hexane	9.32	86	571	0.10	ug/L	79
32) (TAME) tert-Amyl methy eth	11.60	73	19258	0.41	ug/L #	31
35) Carbon tetrachloride	11.31	117	58	0.49	ug/L #	1
45) 1,1,2-Trichloroethane	14.01	97	17155	1.21	ug/L #	1
49) 1,3-Dichloropropane	13.99	76	18805	0.73	ug/L #	64

3/15/11

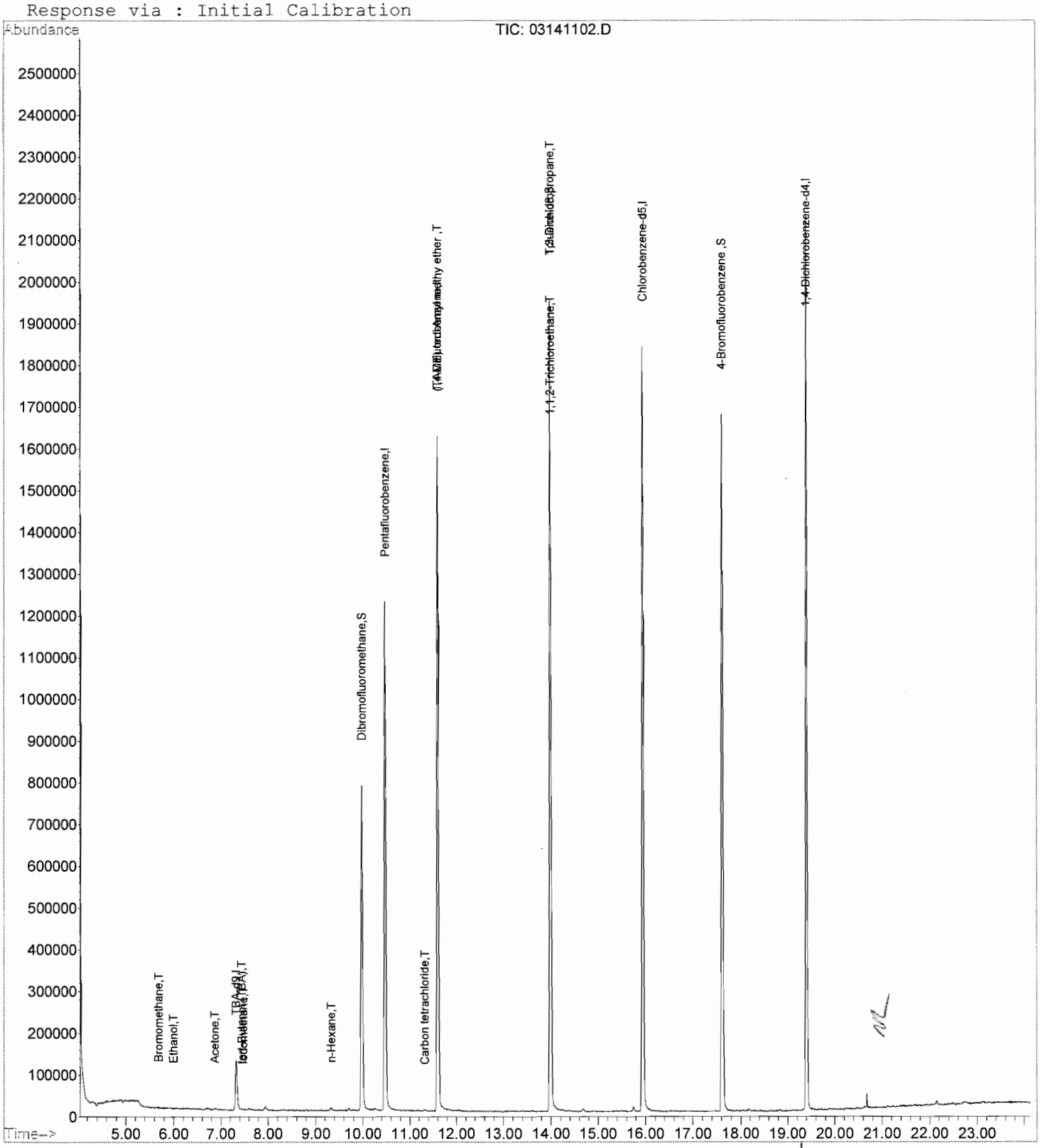
(#) = qualifier out of range (m) = manual integration
03141102.D 030211.M Mon Mar 14 15:54:51 2011

3/16/11

Quantitation Report

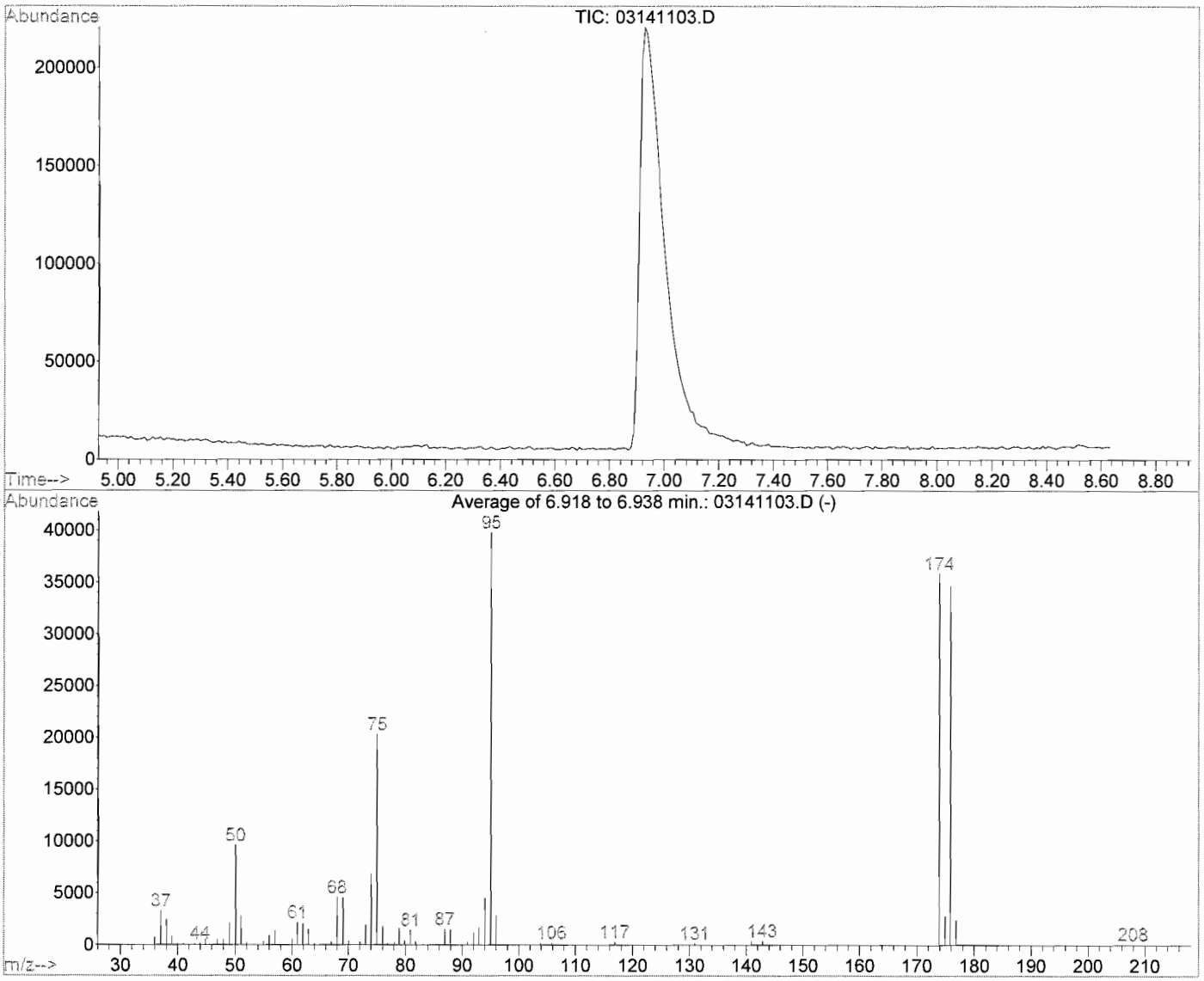
Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141102.D Vial: 2
Acq On : 14 Mar 2011 6:56 am Operator: NL
Sample : BLK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:54 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Method 8260

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141103.D Vial: 1
Acq On : 14 Mar 2011 7:43 am Operator: NL
Sample : TUNE Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260



Spectrum Information: Average of 6.918 to 6.938 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.1	9607	PASS
75	95	30	60	51.0	20296	PASS
95	95	100	100	100.0	39789	PASS
96	95	5	9	7.1	2827	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	90.1	35832	PASS
175	174	5	9	7.7	2749	PASS
176	174	95	101	96.6	34608	PASS
177	176	5	9	6.8	2365	PASS

03141103.D 030211.M Mon Mar 14 15:55:03 2011

4/16/11

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141104.D Vial: 1
Acq On : 14 Mar 2011 8:12 am Operator: NL
Sample : 25 PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.32	65	175968	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	1050990	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1509339	25.00 ug/L	-0.01
48) Chlorobenzene-d5	15.94	117	1297854	25.00 ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	657155	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	563232	22.27 ug/L	0.00
Spiked Amount 25.000			Recovery	= 89.08%	
46) Toluene-d8	13.99	98	1585936	24.34 ug/L	-0.01
Spiked Amount 25.000			Recovery	= 97.36%	
60) 4-Bromofluorobenzene	17.62	95	655429	25.15 ug/L	-0.03
Spiked Amount 25.000			Recovery	= 100.60%	
Target Compounds					Qvalue
2) Ethanol	5.92	45	14646	97.20 ug/L	95
3) tert-Butanol (TBA)	7.42	59	108802	83.89 ug/L	97
5) Dichlorodifluoromethane	4.50	85	835847	20.44 ug/L	100
6) Chloromethane	4.81	50	379606	10.38 ug/L	100
7) Vinyl chloride	5.10	62	521193	20.92 ug/L	100
8) Bromomethane	5.69	94	308900	10.99 ug/L	98
9) Chloroethane	5.90	64	450003	19.27 ug/L	99
10) Trichlorofluoromethane	6.70	101	1045798	23.29 ug/L	100
11) Acetone	6.85	43	97430	17.41 ug/L	97
12) Iodomethane	7.47	142	430938	14.56 ug/L	98
13) 1,1-Dichloroethene	7.42	96	554612	22.10 ug/L	99
14) Methylene chloride	7.61	84	622922	20.47 ug/L	99
15) Freon 113	7.68	101	714791	23.87 ug/L	98
16) Carbon disulfide	7.94	76	1412236	19.59 ug/L	97
17) trans-1,2-Dichloroethene	8.50	96	607218	22.00 ug/L	99
18) MTBE	8.63	73	1149644	24.60 ug/L	99
19) 1,1-Dichloroethane	8.82	63	1140274	21.36 ug/L	99
20) Vinyl acetate	8.96	43	597845	25.87 ug/L	99
21) n-Hexane	9.33	86	126591	21.97 ug/L	90
22) 2-Butanone (MEK)	9.35	72	31778	21.97 ug/L #	92
23) Diisopropylether (DIPE)	9.36	45	2164940	22.77 ug/L	99
24) cis-1,2-dichloroethene	9.55	96	660479	22.17 ug/L	99
25) Bromochloromethane	9.77	128	234449	20.59 ug/L	89
26) Chloroform	9.82	83	1166635	22.56 ug/L	99
27) 2,2-Dichloropropane	9.93	77	984987	24.66 ug/L #	70
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	1682191	25.23 ug/L	97
30) 1,2-Dichloroethane	10.66	62	753973	24.48 ug/L	97
31) 1,1,1-Trichloroethane	10.80	97	1025563	24.73 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	1171935	24.73 ug/L	97
34) 1,1-Dichloropropene	11.03	75	842265	25.86 ug/L	99
35) Carbon tetrachloride	11.27	117	872473	32.52 ug/L	99
36) Benzene	11.32	78	2147601	24.32 ug/L	97
37) Dibromomethane	12.05	93	307003	24.56 ug/L	94
38) 1,2-Dichloropropane	12.09	63	534319	23.14 ug/L	94
39) Trichloroethene	12.14	95	630971	25.14 ug/L	99
40) Bromodichloromethane	12.21	83	786238	26.37 ug/L	99

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141104.D Vial: 1
Acq On : 14 Mar 2011 8:12 am Operator: NL
Sample : 25 PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

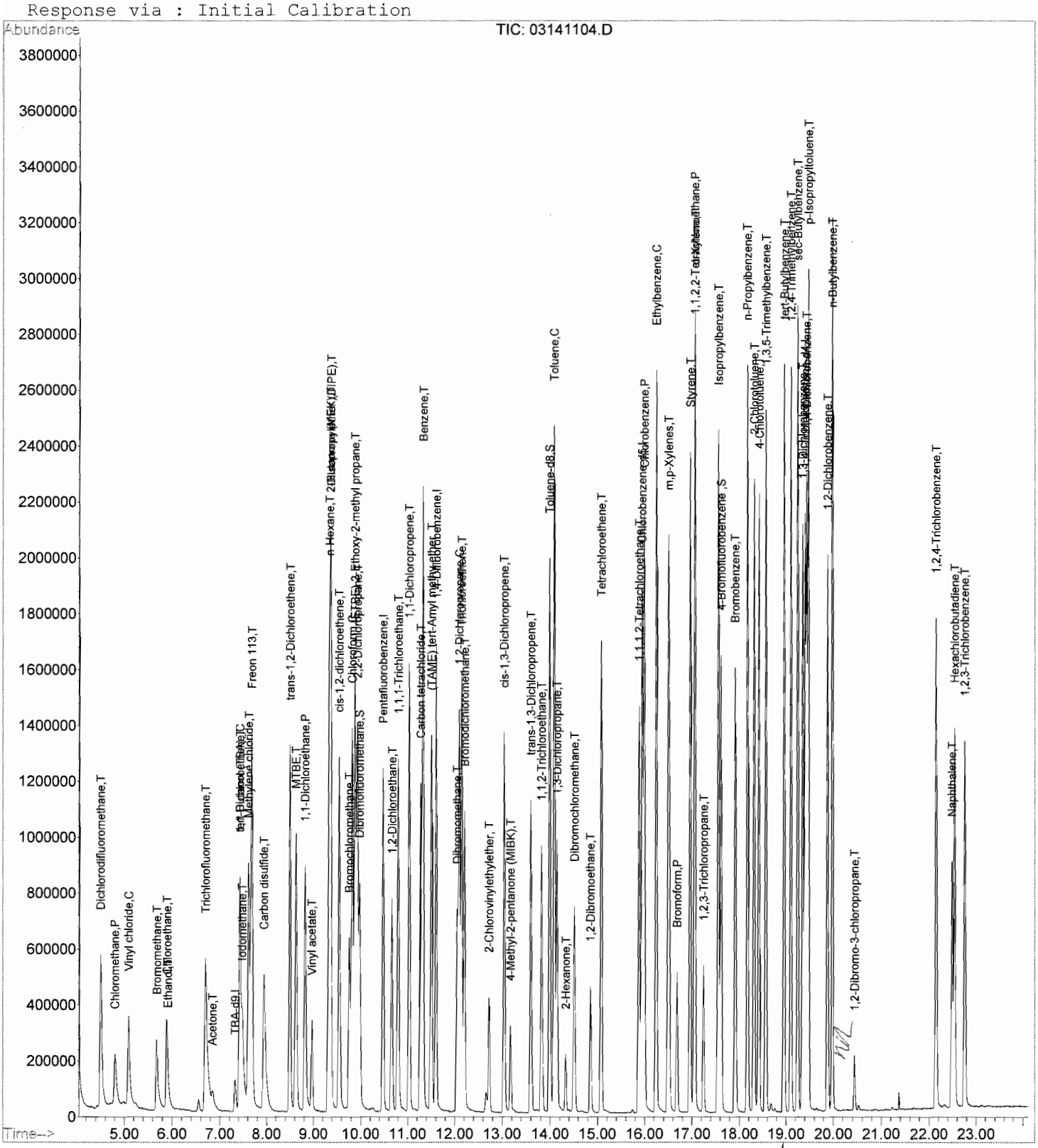
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41)	2-Chlorovinylethylether	12.72	63	182011	26.63 ug/L	97
42)	cis-1,3-Dichloropropene	13.04	75	837977	26.22 ug/L	95
43)	4-Methyl-2-pentanone (MIBK	13.17	43	281257	24.18 ug/L	100
44)	trans-1,3-Dichloropropene	13.60	75	685856	27.12 ug/L	96
45)	1,1,2-Trichloroethane	13.82	97	364216	25.00 ug/L	97
47)	Toluene	14.08	92	1241947	24.41 ug/L	99
49)	1,3-Dichloropropane	14.14	76	589257	22.24 ug/L	99
50)	2-Hexanone	14.33	43	178880	21.98 ug/L	98
51)	Dibromochloromethane	14.51	129	472554	27.07 ug/L	100
52)	1,2-Dibromoethane	14.85	107	367557	24.53 ug/L	100
53)	Tetrachloroethene	15.08	164	522428	25.63 ug/L	100
54)	1,1,1,2-Tetrachloroethane	15.88	131	506769	25.48 ug/L	97
55)	Chlorobenzene	15.99	112	1375199	23.79 ug/L	99
56)	Ethylbenzene	16.24	91	2396712	24.50 ug/L	100
57)	m,p-Xylenes	16.50	106	863328	24.21 ug/L	99
58)	Styrene	16.96	104	1365335	25.73 ug/L	99
59)	o-Xylene	17.06	106	812743	23.51 ug/L	100
62)	Bromoform	16.68	173	293758	27.88 ug/L	99
63)	1,1,2,2-Tetrachloroethane	17.04	83	321517	22.03 ug/L	98
64)	1,2,3-Trichloropropane	17.25	110	97178	24.87 ug/L	95
65)	Isopropylbenzene	17.56	105	2078279	25.03 ug/L	99
66)	Bromobenzene	17.92	156	566220	23.95 ug/L	97
67)	n-Propylbenzene	18.17	91	2671074	24.06 ug/L	99
68)	2-Chlorotoluene	18.31	91	1648642	23.62 ug/L	99
69)	4-Chlorotoluene	18.42	91	1693734	24.36 ug/L	100
70)	1,3,5-Trimethylbenzene	18.56	105	1808622	24.33 ug/L	98
71)	tert-Butylbenzene	18.96	119	1516358	25.47 ug/L	99
72)	1,2,4-Trimethylbenzene	19.10	105	1826382	24.66 ug/L	98
73)	sec-Butylbenzene	19.25	105	2364886	24.43 ug/L	100
74)	1,3-Dichlorobenzene	19.35	146	989700	22.89 ug/L	99
75)	1,4-Dichlorobenzene	19.44	146	1001164	23.55 ug/L	99
76)	p-Isopropyltoluene	19.47	119	1917411	25.22 ug/L	98
77)	1,2-Dichlorobenzene	19.88	146	886415	23.52 ug/L	99
78)	n-Butylbenzene	19.98	91	1946681	24.75 ug/L	99
79)	1,2-Dibromo-3-chloropropan	20.44	75	51359	20.91 ug/L	99
80)	1,2,4-Trichlorobenzene	22.15	180	748650	27.34 ug/L	100
81)	Naphthalene	22.49	128	884237	24.87 ug/L	99
82)	Hexachlorobutadiene	22.55	225	393323	27.52 ug/L	99
83)	1,2,3-Trichlorobenzene	22.76	180	591400	26.37 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141104.D 030211.M Mon Mar 14 15:55:11 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141104.D Vial: 1
Acq On : 14 Mar 2011 8:12 am Operator: NL
Sample : 25 PPB CCV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141105.D Vial: 2
Acq On : 14 Mar 2011 8:55 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Clean out

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.33	65	191056	200.00	ug/L	0.00
4) Pentafluorobenzene	10.47	168	1030685	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1483040	25.00	ug/L	-0.02
48) Chlorobenzene-d5	15.94	117	1307162	25.00	ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.40	152	700497	25.00	ug/L	-0.02
System Monitoring Compounds						
29) Dibromofluoromethane	9.98	113	560951	22.62	ug/L	0.00
Spiked Amount 25.000			Recovery = 90.48%			
46) Toluene-d8	13.98	98	1592172	24.87	ug/L	-0.02
Spiked Amount 25.000			Recovery = 99.48%			
60) 4-Bromofluorobenzene	17.61	95	705837	26.89	ug/L	-0.03
Spiked Amount 25.000			Recovery = 107.56%			
Target Compounds						Qvalue
2) Ethanol	5.93	45	21049	128.67	ug/L	84
3) tert-Butanol (TBA)	7.44	59	54167	38.47	ug/L #	94
8) Bromomethane	5.68	94	2158	0.97	ug/L	83
11) Acetone	6.85	43	13765	2.51	ug/L	98
12) Iodomethane	7.48	142	1328	1.06	ug/L #	45
14) Methylene chloride	7.61	84	2798	0.09	ug/L	88
20) Vinyl acetate	8.96	43	2383	0.11	ug/L #	80
22) 2-Butanone (MEK)	9.37	72	1315	0.93	ug/L #	1
35) Carbon tetrachloride	11.27	117	262	0.50	ug/L #	12
37) Dibromomethane	12.04	93	1834	0.15	ug/L #	70
43) 4-Methyl-2-pentanone (MIBK	13.17	43	9162	0.80	ug/L #	85
50) 2-Hexanone	14.32	43	9320	1.14	ug/L #	94
54) 1,1,1,2-Tetrachloroethane	15.87	131	1957	0.10	ug/L #	21
58) Styrene	16.96	104	5333	0.10	ug/L #	85
63) 1,1,2,2-Tetrachloroethane	17.05	83	3783	0.24	ug/L #	76
64) 1,2,3-Trichloropropane	17.25	110	1157	0.28	ug/L	95
66) Bromobenzene	17.93	156	3371	0.13	ug/L	89
69) 4-Chlorotoluene	18.41	91	8296	0.11	ug/L	95
72) 1,2,4-Trimethylbenzene	19.10	105	8312	0.11	ug/L	100
74) 1,3-Dichlorobenzene	19.35	146	8552	0.19	ug/L	97
75) 1,4-Dichlorobenzene	19.44	146	8584	0.19	ug/L #	65
76) p-Isopropyltoluene	19.47	119	7770	0.10	ug/L #	86
77) 1,2-Dichlorobenzene	19.87	146	7704	0.19	ug/L	95
78) n-Butylbenzene	19.98	91	11008	0.13	ug/L	93
79) 1,2-Dibromo-3-chloropropan	20.43	75	2560	0.98	ug/L #	76
80) 1,2,4-Trichlorobenzene	22.15	180	20054	0.69	ug/L	97
81) Naphthalene	22.49	128	71714	1.89	ug/L	97
82) Hexachlorobutadiene	22.55	225	6015	0.39	ug/L #	83
83) 1,2,3-Trichlorobenzene	22.76	180	31593	1.32	ug/L	97

3/15/11

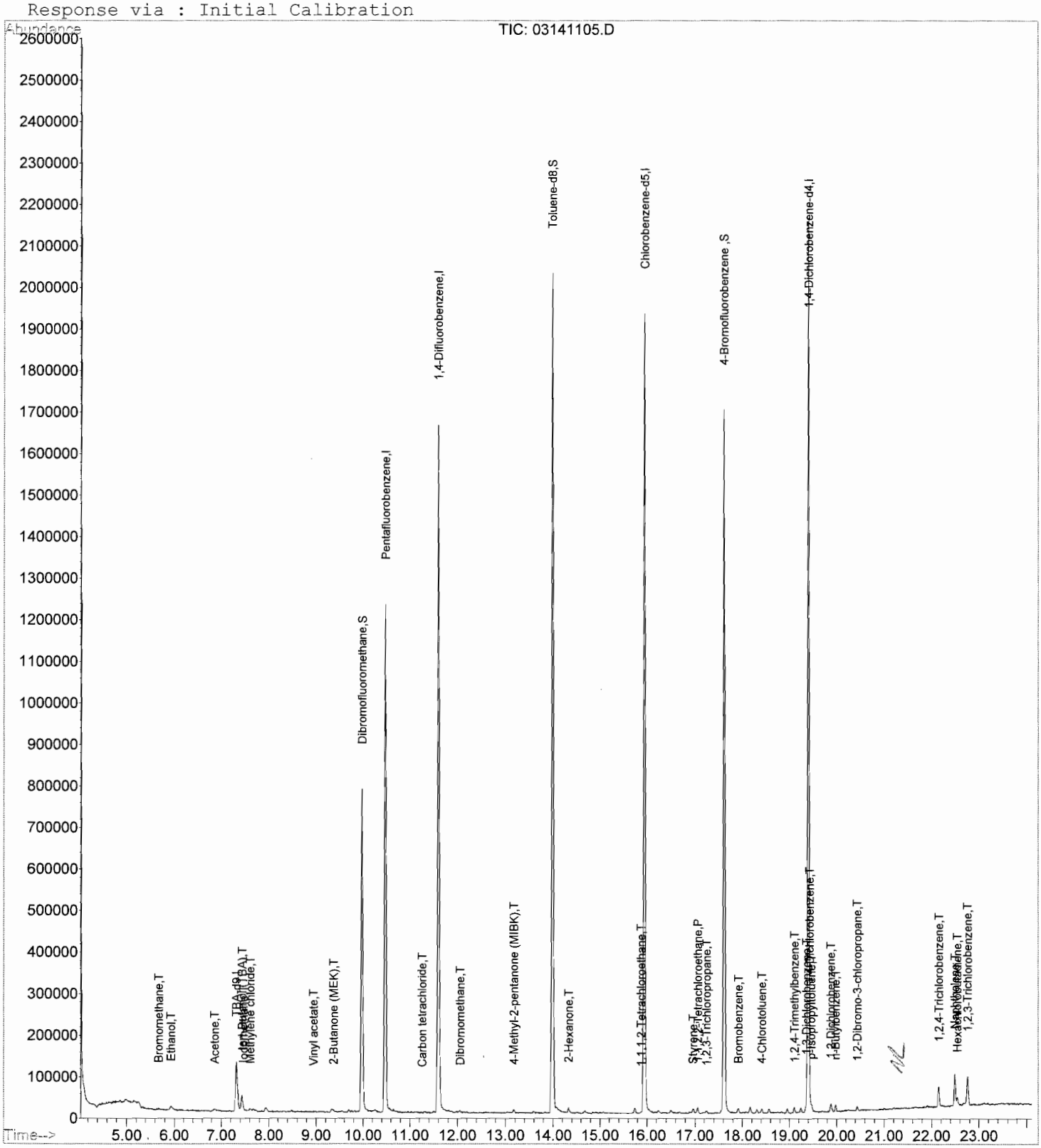
(#) = qualifier out of range (m) = manual integration
03141105.D 030211.M Mon Mar 14 15:55:19 2011

3/16/11

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141105.D Vial: 2
Acq On : 14 Mar 2011 8:55 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141106.D Vial: 3
Acq On : 14 Mar 2011 9:28 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

clean out

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.32	65	174019	200.00	ug/L	0.00
4) Pentafluorobenzene	10.47	168	979911	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1374149	25.00	ug/L	-0.02
48) Chlorobenzene-d5	15.94	117	1194878	25.00	ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	670402	25.00	ug/L	-0.03
System Monitoring Compounds						
29) Dibromofluoromethane	9.98	113	522154	22.14	ug/L	0.00
Spiked Amount 25.000			Recovery	=	88.56%	
46) Toluene-d8	13.98	98	1462696	24.66	ug/L	-0.02
Spiked Amount 25.000			Recovery	=	98.64%	
60) 4-Bromofluorobenzene	17.61	95	679278	28.31	ug/L	-0.03
Spiked Amount 25.000			Recovery	=	113.24%	
Target Compounds						Qvalue
2) Ethanol	5.94	45	7086	47.56	ug/L	76
3) tert-Butanol (TBA)	7.45	59	5843	4.56	ug/L #	67
8) Bromomethane	5.55	94	735	0.93	ug/L #	3
11) Acetone	6.88	43	3473	0.67	ug/L #	75
12) Iodomethane	7.49	142	1269	1.06	ug/L #	53
16) Carbon disulfide	7.93	76	12598	Below Cal	#	76
35) Carbon tetrachloride	11.16	117	57	0.49	ug/L #	12
43) 4-Methyl-2-pentanone (MIBK	13.17	43	1345	0.13	ug/L #	49
45) 1,1,2-Trichloroethane	14.01	97	9917	0.75	ug/L #	18
49) 1,3-Dichloropropane	13.98	76	18644	0.76	ug/L #	75
50) 2-Hexanone	14.34	43	1053	0.14	ug/L #	79
79) 1,2-Dibromo-3-chloropropan	20.45	75	505	0.20	ug/L #	16
81) Naphthalene	22.49	128	8265	0.23	ug/L	97

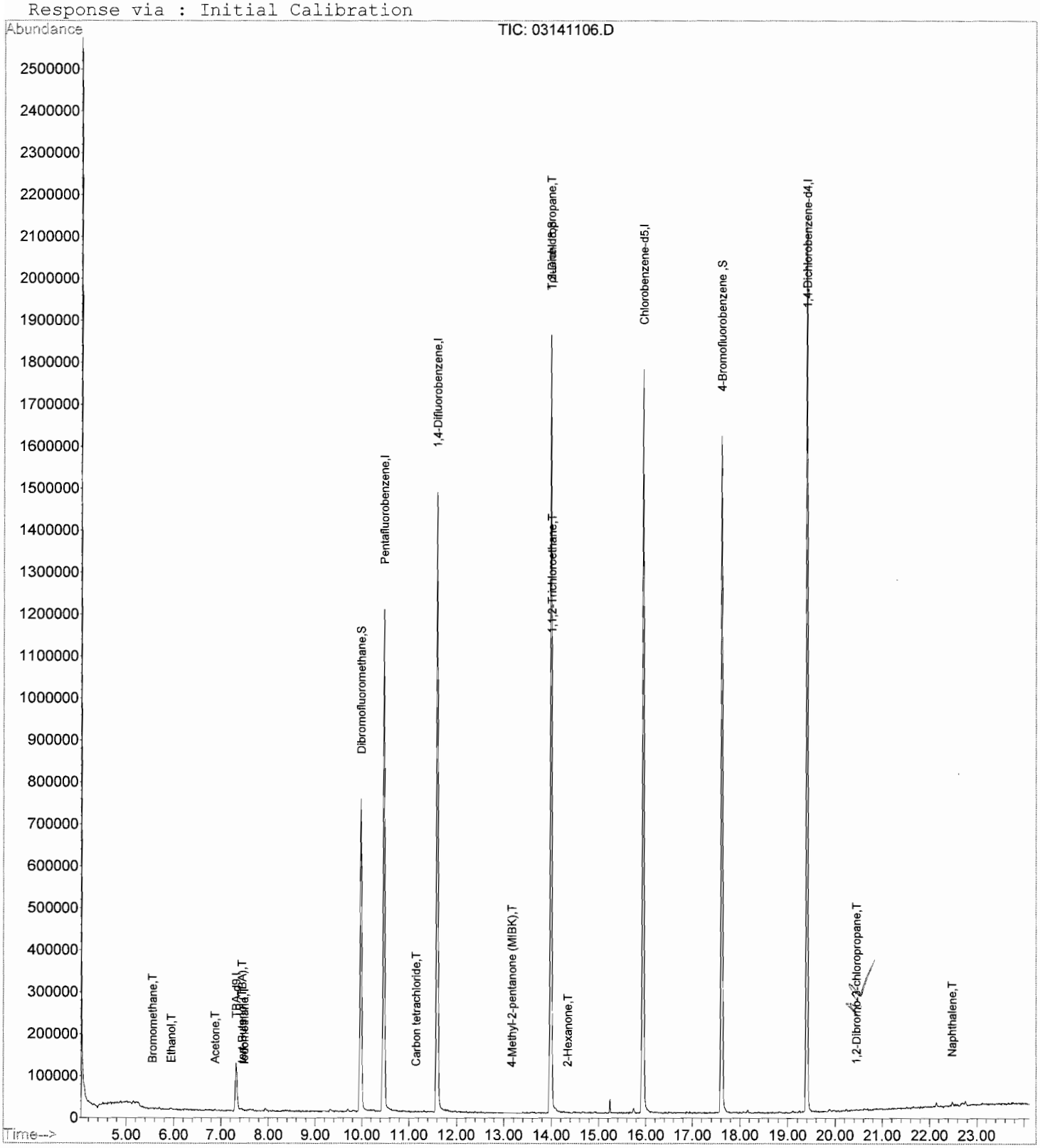
NL 3/15/11

(#) = qualifier out of range (m) = manual integration
03141106.D 030211.M Mon Mar 14 15:55:26 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141106.D Vial: 3
Acq On : 14 Mar 2011 9:28 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141107.D Vial: 4
Acq On : 14 Mar 2011 10:01 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 16:02 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

MB Re-calc.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.33	65	179955	200.00 ug/L	0.02
4) Pentafluorobenzene	10.49	168	918919	25.00 ug/L	0.02
33) 1,4-Difluorobenzene	11.61	114	1336921	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.96	117	1162538	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.42	152	629094	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	498692	23.67 ug/L	0.02
Spiked Amount 25.000			Recovery =	94.68%	
46) Toluene-d8	14.00	98	1410007	23.91 ug/L	0.00
Spiked Amount 25.000			Recovery =	95.64%	
60) 4-Bromofluorobenzene	17.63	95	645623	25.18 ug/L	0.00
Spiked Amount 25.000			Recovery =	100.72%	

Target Compounds					Qvalue	
2) Ethanol	5.93	45	2010	28.02 ug/L	76	NSM
3) tert-Butanol (TBA)	7.45	59	992	Below Cal #	78	ND
8) Bromomethane	5.70	94	683	0.87 ug/L #	64	NSM
11) Acetone	6.87	43	2811	0.62 ug/L	95	ND
12) Iodomethane	7.53	142	515	1.81 ug/L #	94	NSM
16) Carbon disulfide	7.94	76	10986	0.18 ug/L #	82	LRL
32) (TAME) tert-Amyl methy eth	11.61	73	19307	0.44 ug/L #	39	WRT
43) 4-Methyl-2-pentanone (MIBK	13.22	43	1016	0.10 ug/L #	58	ND
45) 1,1,2-Trichloroethane	14.02	97	17572	1.26 ug/L #	16	WRT
49) 1,3-Dichloropropane	14.00	76	17281	0.76 ug/L #	61	L
50) 2-Hexanone	14.37	43	725	0.10 ug/L #	73	ND
59) o-Xylene	17.07	106	118	Below Cal #	1	L
79) 1,2-Dibromo-3-chloropropan	20.48	75	287	0.13 ug/L #	1	ND

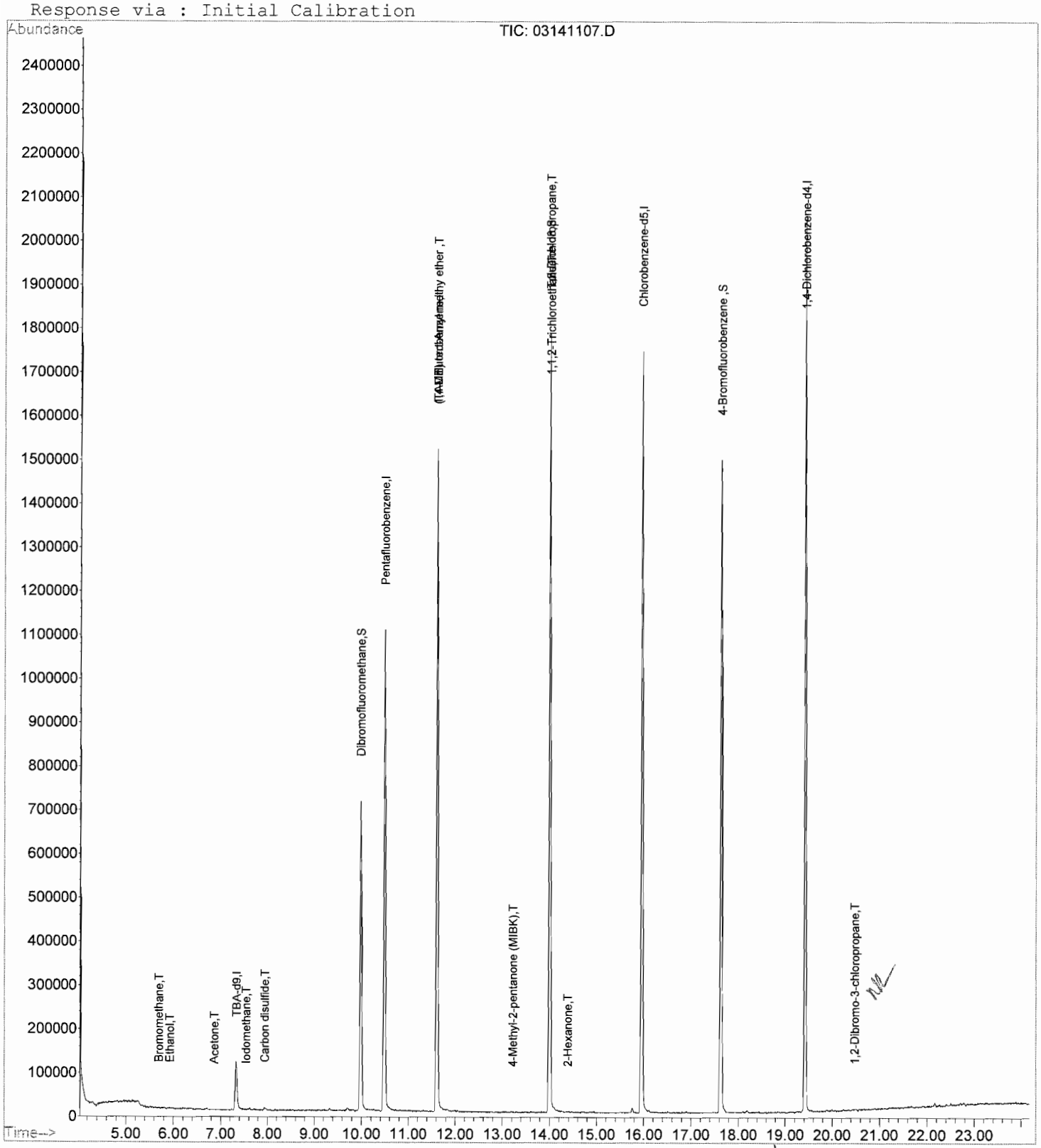
NL 3/15/11

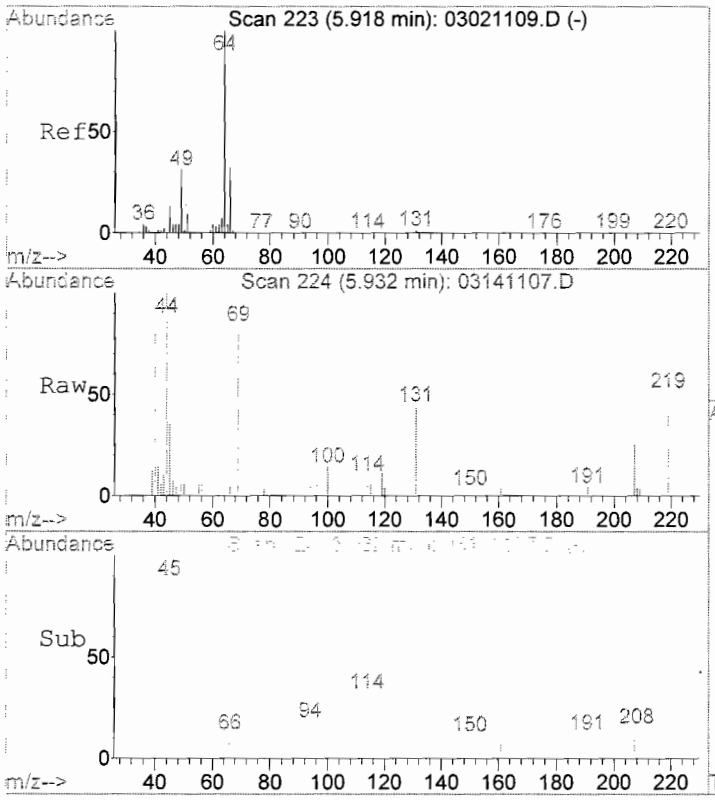
(#) = qualifier out of range (m) = manual integration
03141107.D 031411.M Tue Mar 15 16:02:16 2011

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141107.D Vial: 4
Acq On : 14 Mar 2011 10:01 am Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 16:02 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration

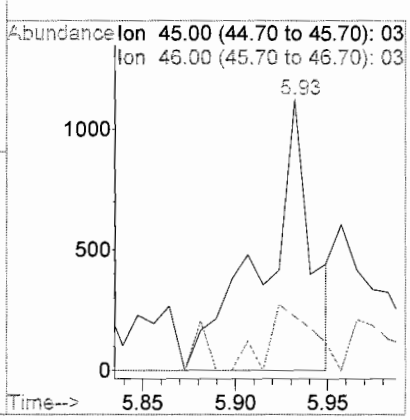


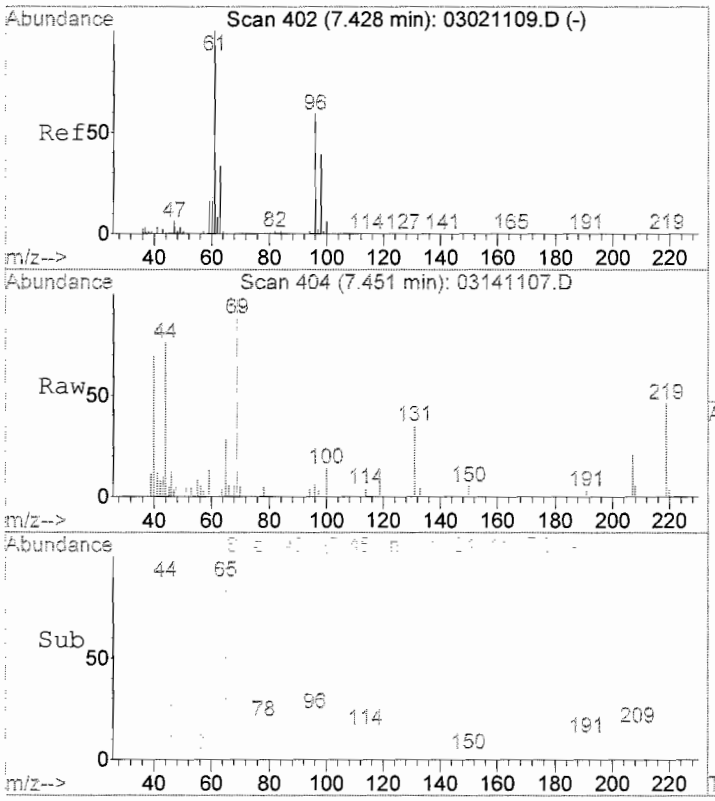


#2
Ethanol
Concen: 28.02 ug/L
RT: 5.93 min Scan# 224
Delta R.T. 0.03 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 45 Resp: 2010

Ion	Ratio	Lower	Upper
45	100		
46	22.9	17.5	57.5

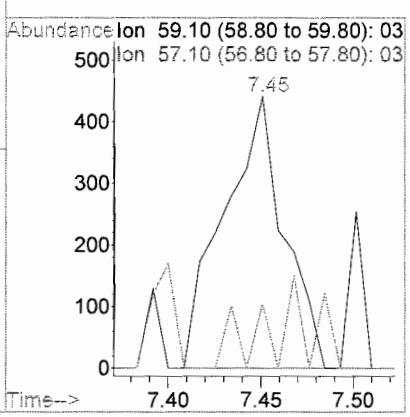


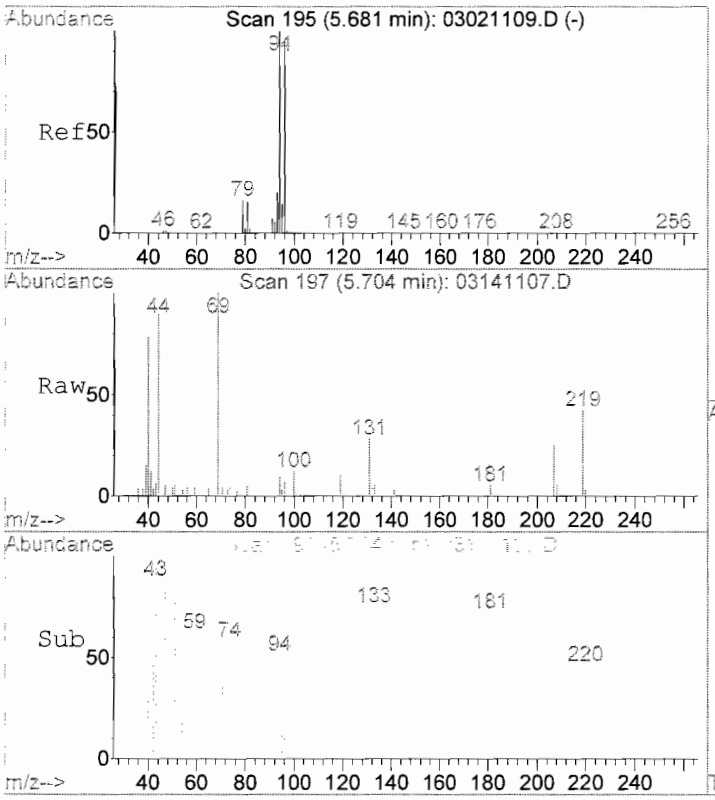


#3
tert-Butanol (TBA)
Concen: Below Cal
RT: 7.45 min Scan# 404
Delta R.T. 0.03 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 59 Resp: 992

Ion	Ratio	Lower	Upper
59	100		
57	13.9	5.0	7.6#



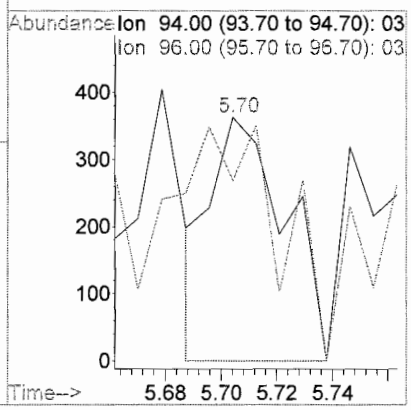


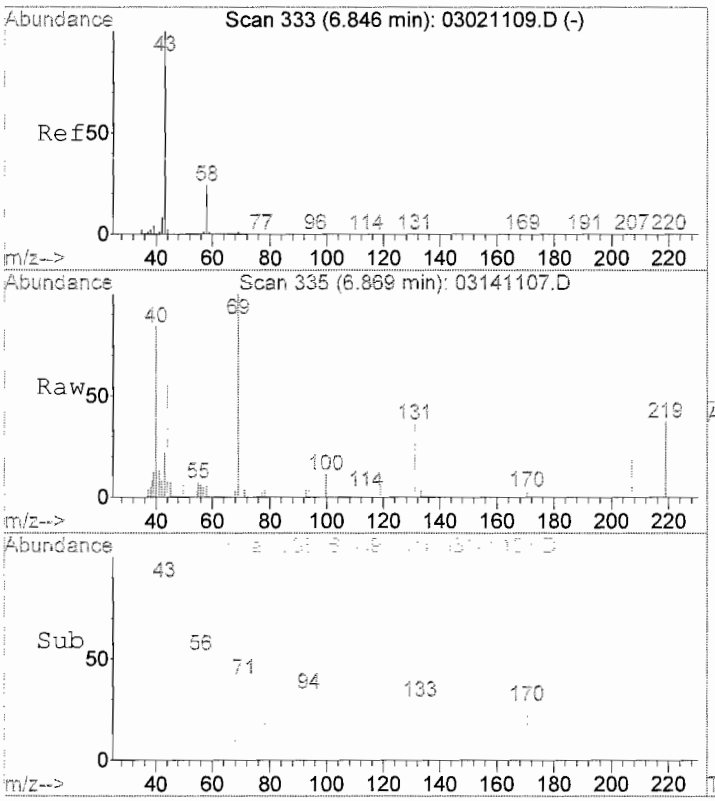
#8
Bromomethane
Concen: 0.87 ug/L
RT: 5.70 min Scan# 197
Delta R.T. 0.04 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 94 Resp: 683

Ion	Ratio	Lower	Upper
94	100		
96	135.7	79.5	119.3#

NSM



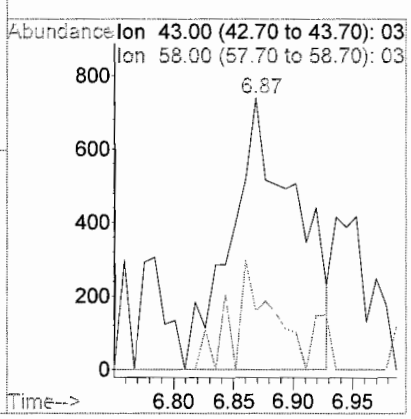


#11
Acetone
Concen: 0.62 ug/L
RT: 6.87 min Scan# 335
Delta R.T. 0.04 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

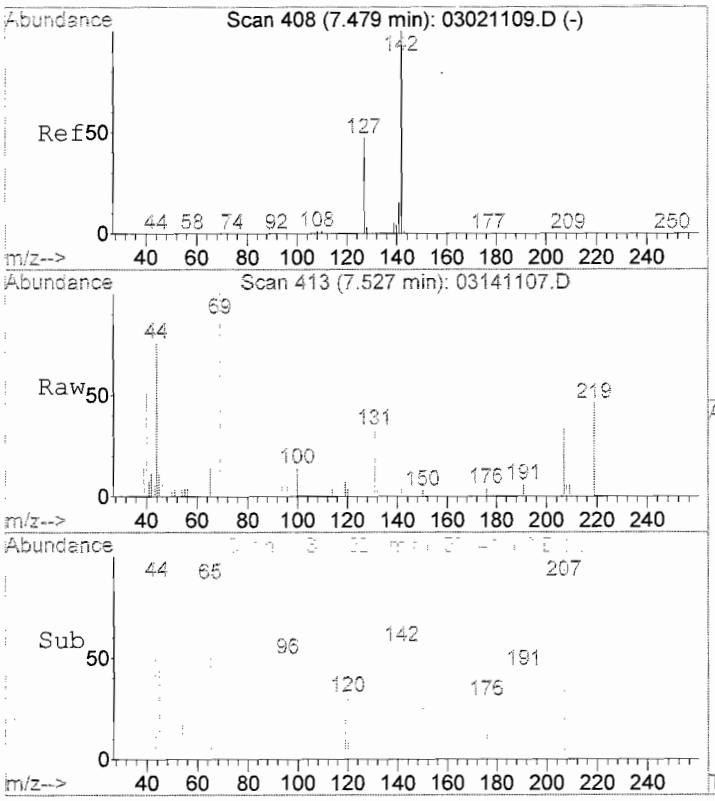
Tgt Ion: 43 Resp: 2811

Ion	Ratio	Lower	Upper
43	100		
58	23.9	17.0	25.6

ND



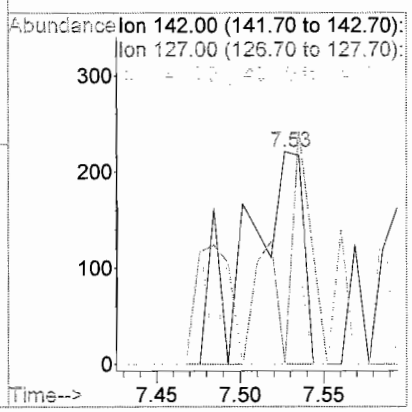
ML

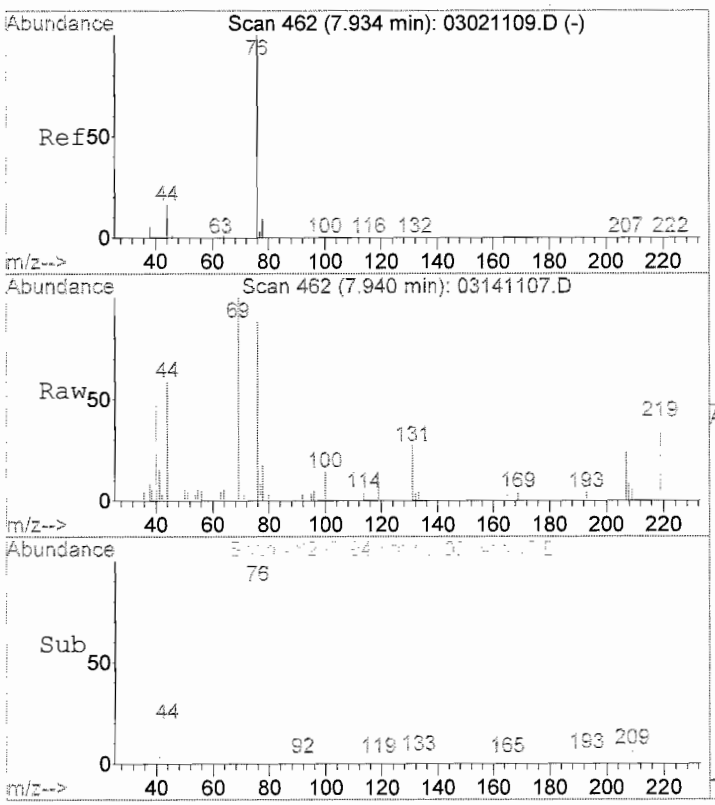


#12
Iodomethane
Concen: 1.81 ug/L
RT: 7.53 min Scan# 413
Delta R.T. 0.07 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion:142 Resp: 515

Ion	Ratio	Lower	Upper
142	100		
127	58.3	44.9	67.3
141	10.3	13.1	19.7#

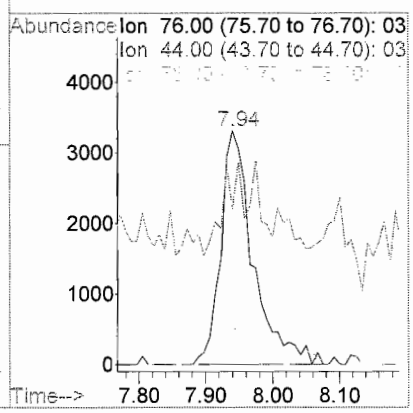


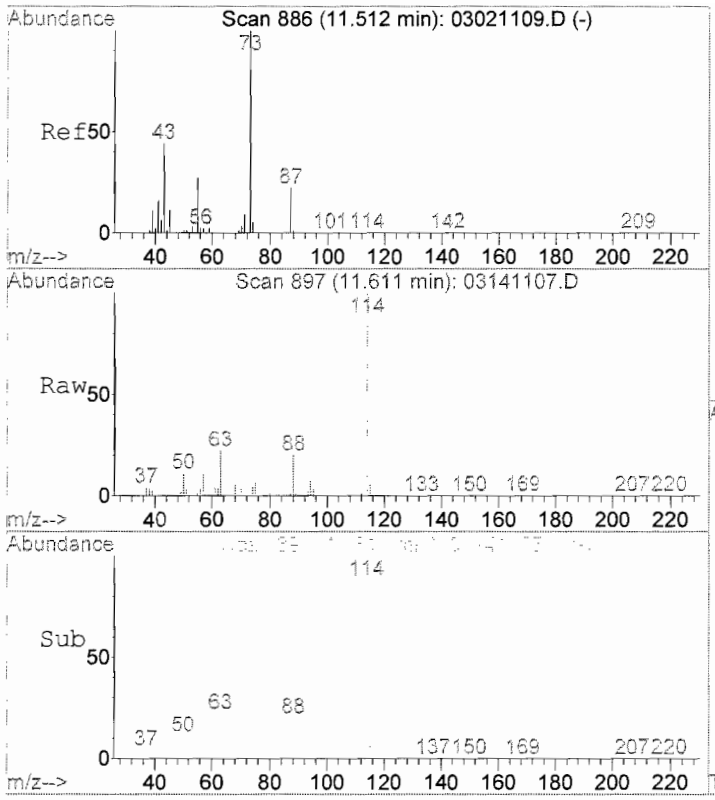


#16
Carbon disulfide
Concen: 0.18 ug/L
RT: 7.94 min Scan# 462
Delta R.T. 0.02 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 76 Resp: 10986

Ion	Ratio	Lower	Upper
76	100		
44	29.1	15.0	22.4#
78	11.8	7.2	10.8#

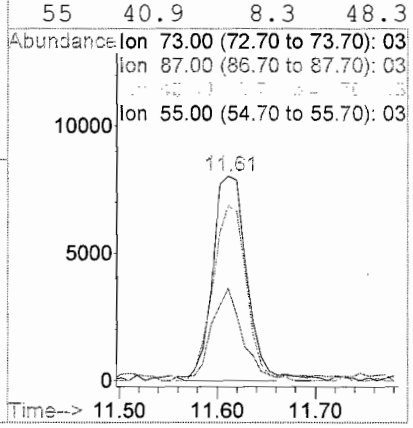




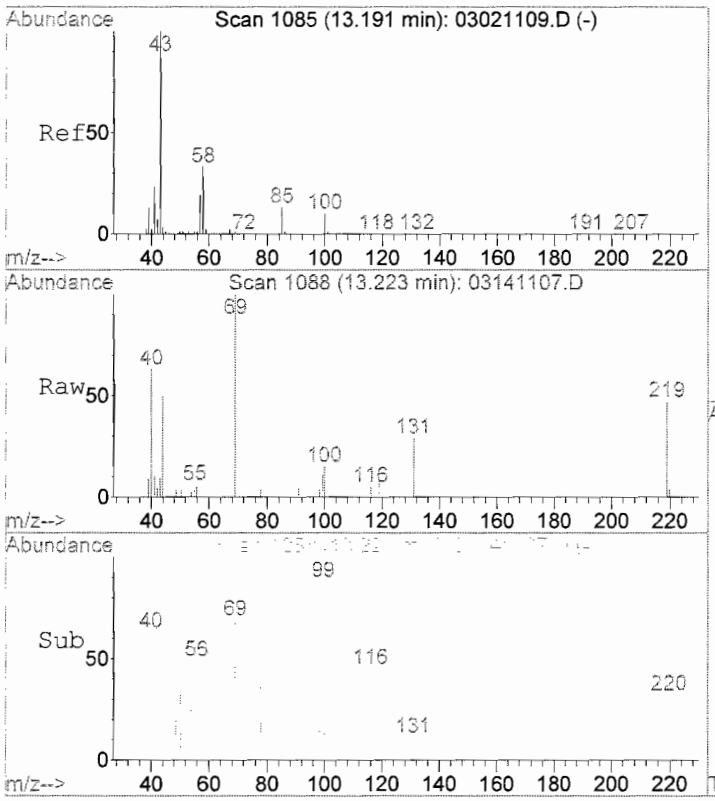
#32
(TAME) tert-Amyl methy ether
Concen: 0.44 ug/L
RT: 11.61 min Scan# 897
Delta R.T. 0.11 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 73 Resp: 19307

Ion	Ratio	Lower	Upper
73	100		
87	83.3	4.2	44.2#
43	10.9	26.6	66.6#
55	40.9	8.3	48.3



NRT

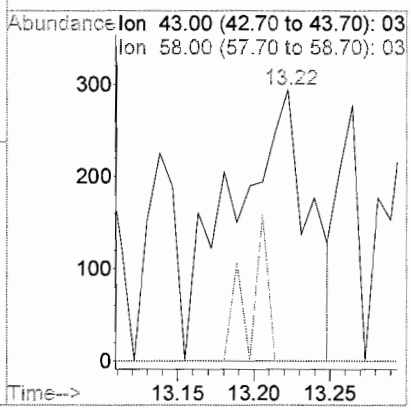


#43
4-Methyl-2-pentanone (MIBK)
Concen: 0.10 ug/L
RT: 13.22 min Scan# 1088
Delta R.T. 0.05 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

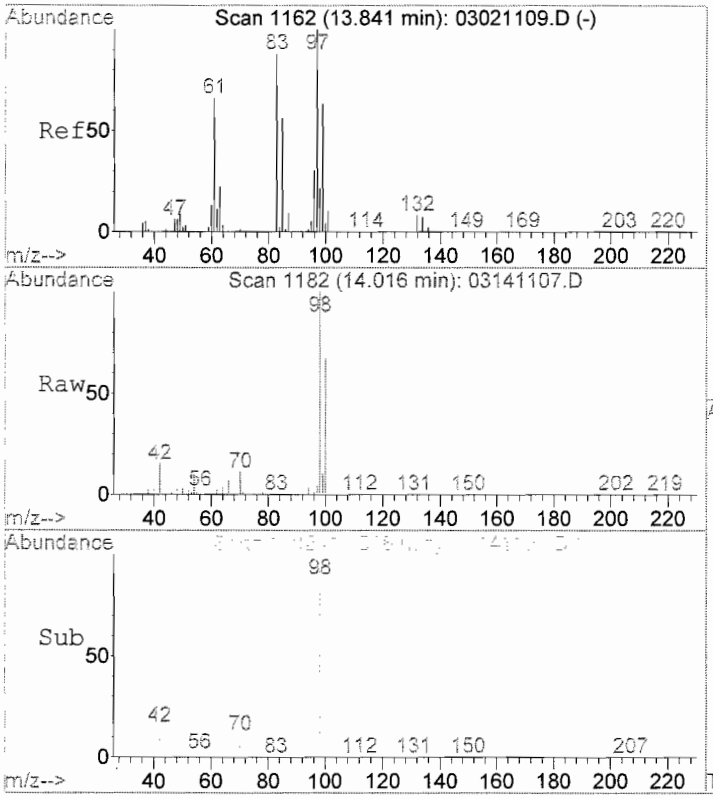
Tgt Ion: 43 Resp: 1016

Ion	Ratio	Lower	Upper
43	100		
58	7.9	24.9	37.3#

ND



NL

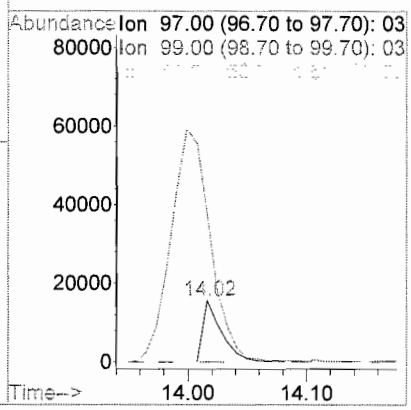


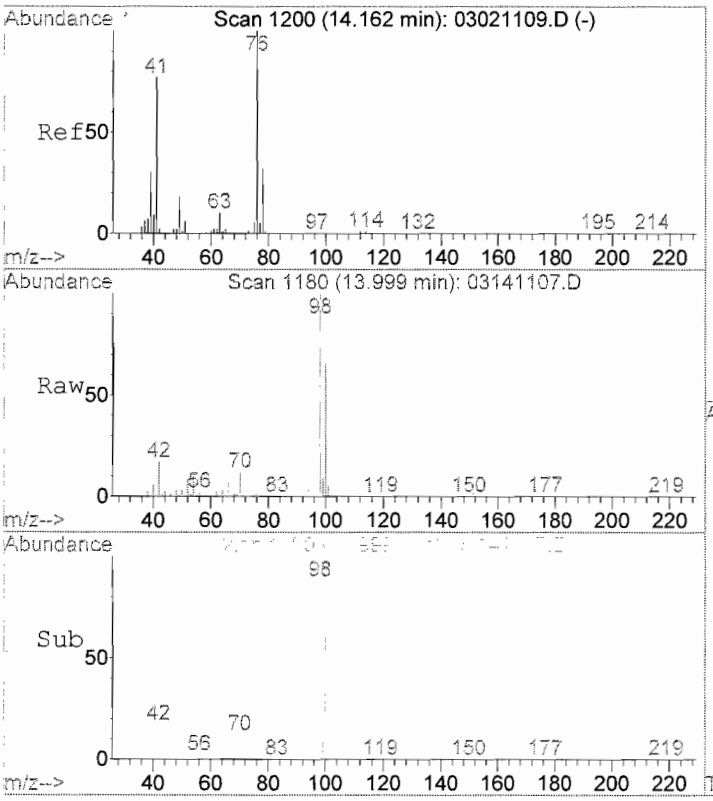
#45
1,1,2-Trichloroethane
Concen: 1.26 ug/L
RT: 14.02 min Scan# 1182
Delta R.T. 0.19 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 97 Resp: 17572

Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	76.0#
61	1.1	60.0	90.0#

WRT



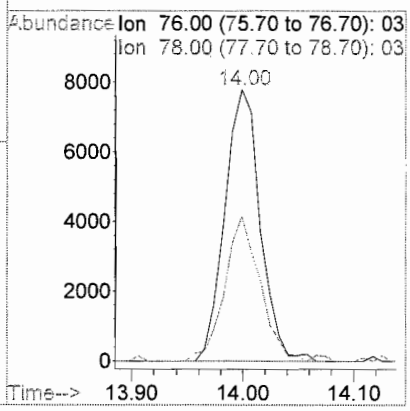


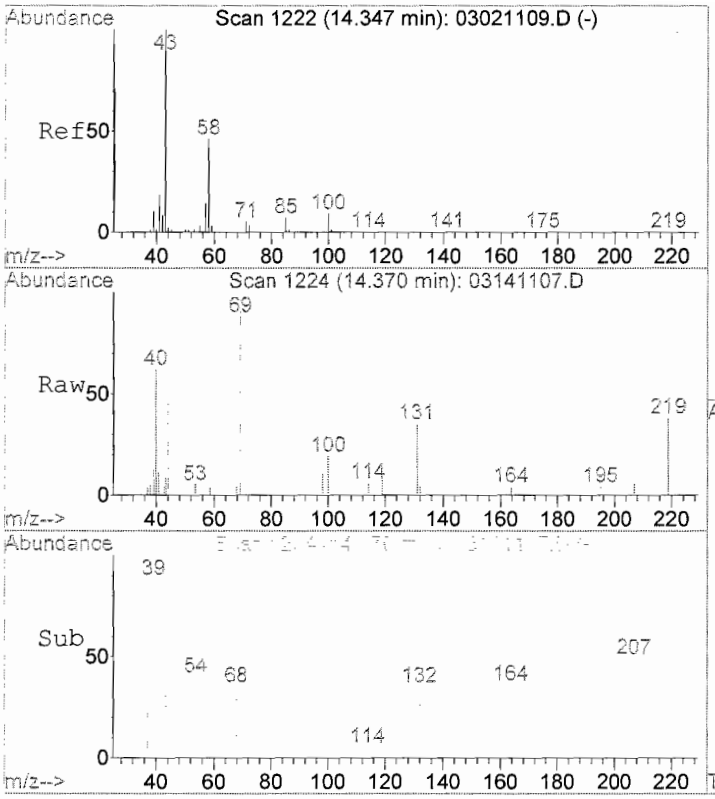
#49
1,3-Dichloropropane
Concen: 0.76 ug/L
RT: 14.00 min Scan# 1180
Delta R.T. -0.14 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 76 Resp: 17281

Ion	Ratio	Lower	Upper
76	100		
78	53.0	25.0	37.6#

WRT

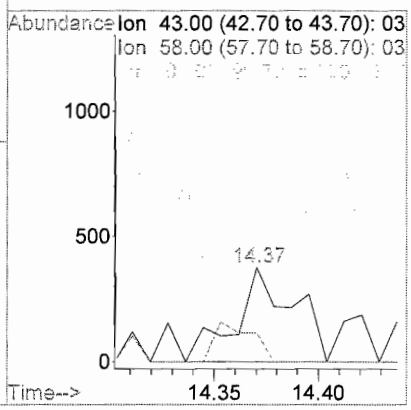




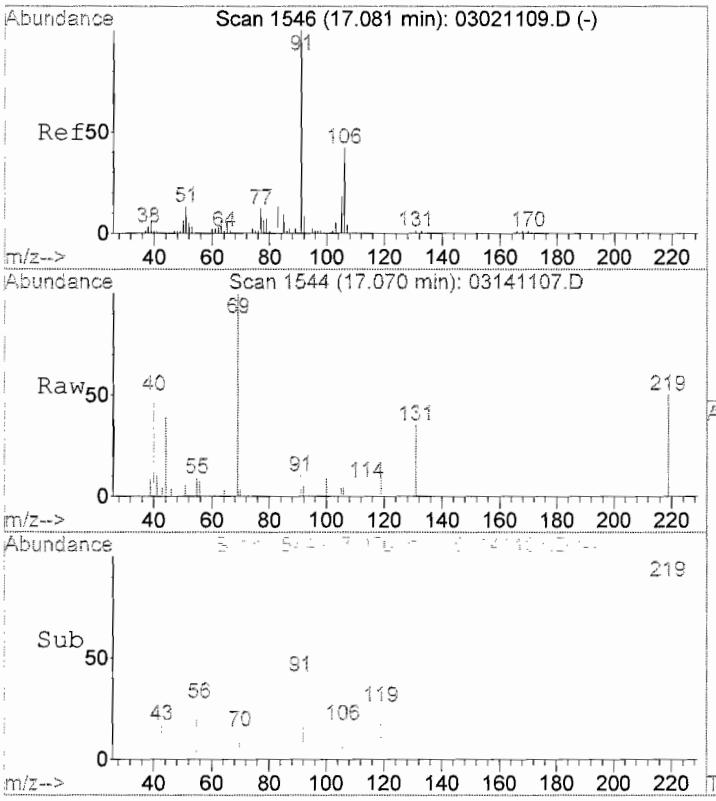
#50
2-Hexanone
Concen: 0.10 ug/L
RT: 14.37 min Scan# 1224
Delta R.T. 0.04 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 43 Resp: 725

Ion	Ratio	Lower	Upper
43	100		
58	27.2	35.7	53.5#
100	0.0	7.8	11.6#



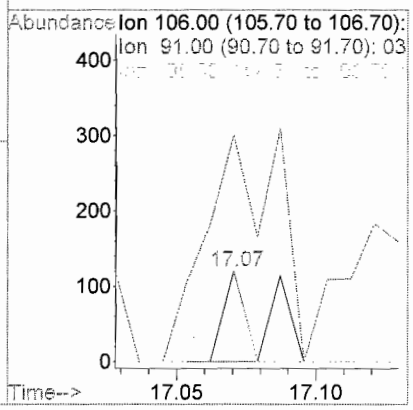
ND



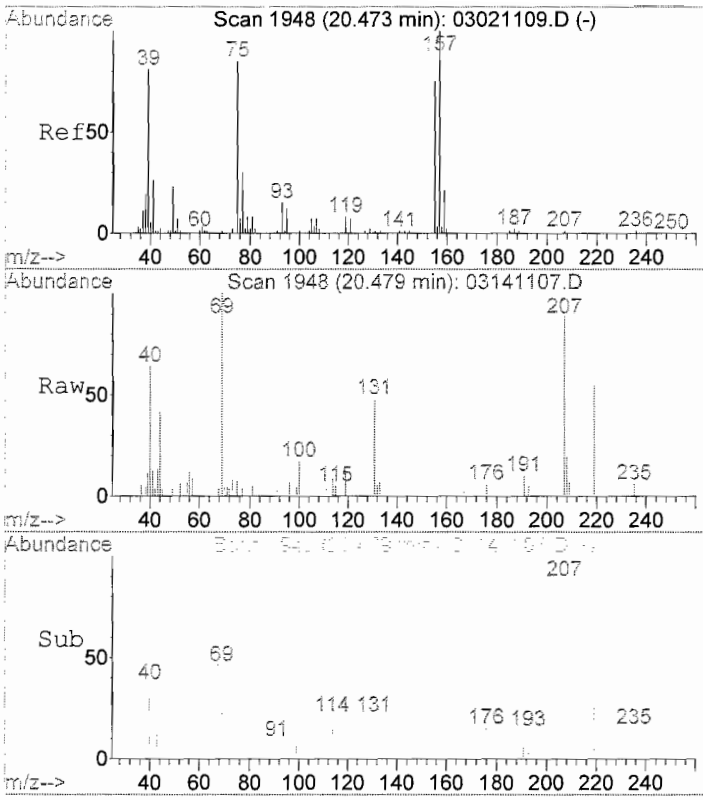
#59
o-Xylene
Concen: Below Cal
RT: 17.07 min Scan# 1544
Delta R.T. 0.01 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion:106 Resp: 118

Ion	Ratio	Lower	Upper
106	100		
91	502.5	222.7	262.7#
105	94.1	22.9	62.9#



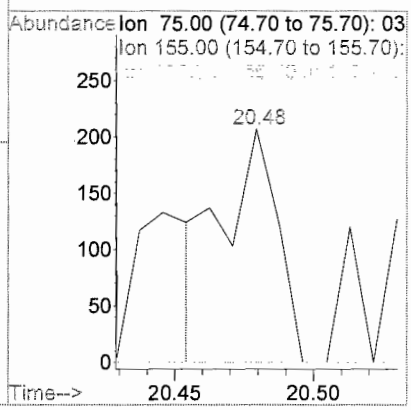
ND



#79
1,2-Dibromo-3-chloropropane
Concen: 0.13 ug/L
RT: 20.48 min Scan# 1948
Delta R.T. 0.03 min
Lab File: 03141107.D
Acq: 14 Mar 2011 10:01 am

Tgt Ion: 75 Resp: 287

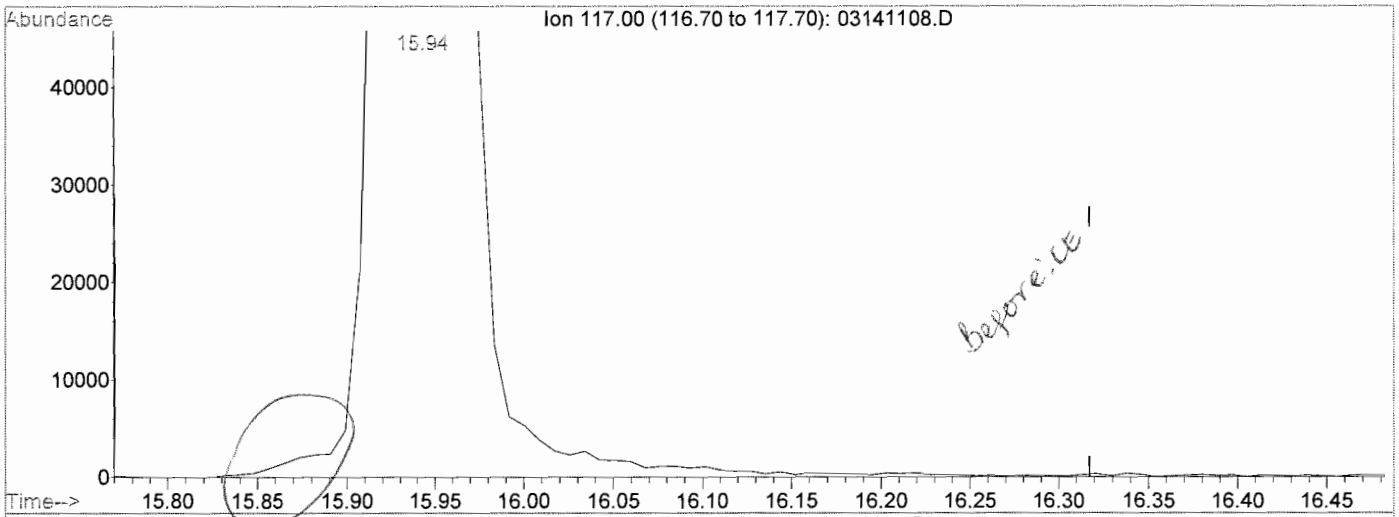
Ion	Ratio	Lower	Upper
75	100		
155	0.0	67.3	100.9#
157	0.0	89.6	134.4#

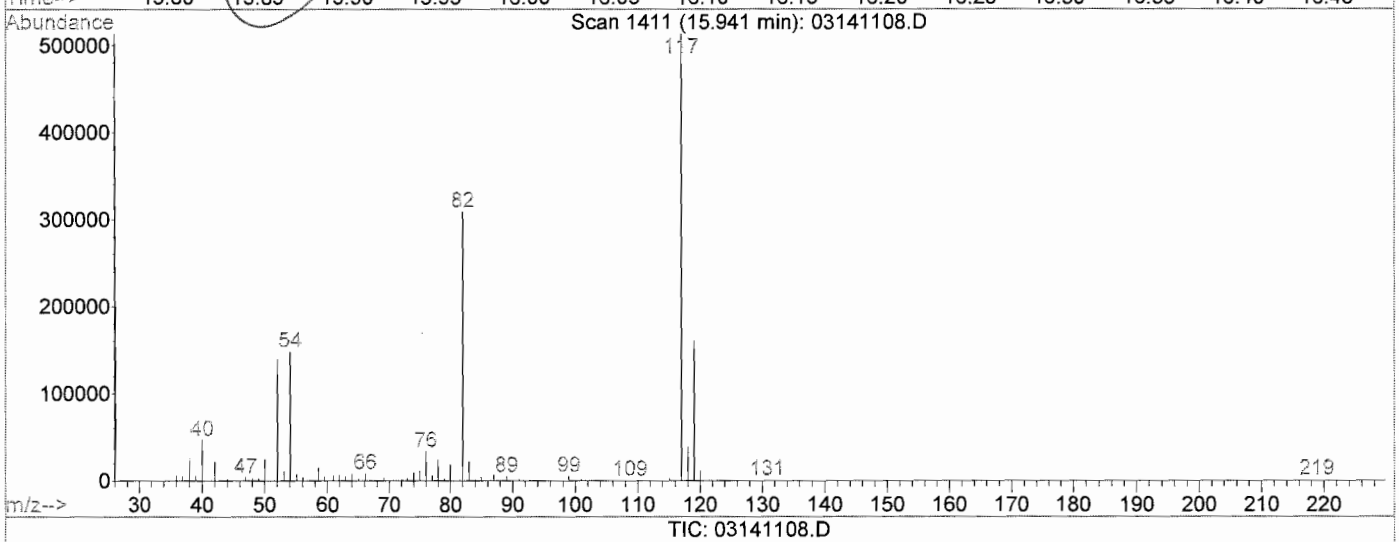


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:55 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





TIC: 03141108.D

(48) Chlorobenzene-d5 (I)

15.94min 25.00ug/L

response 1123564

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

NL 3/15/11

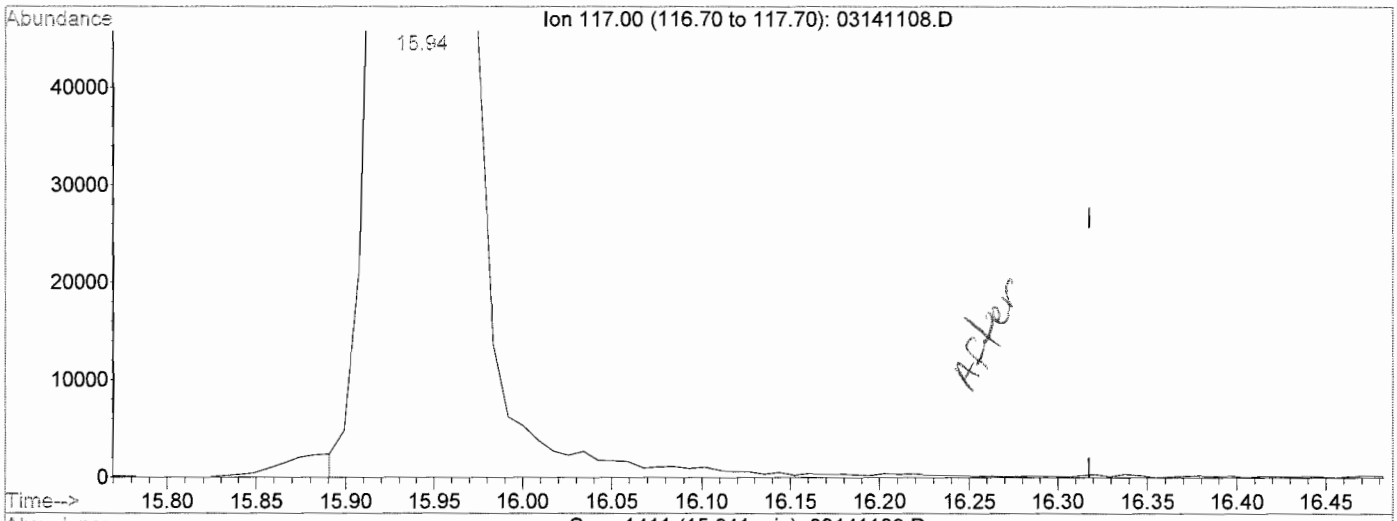
NL

M 3/16/11

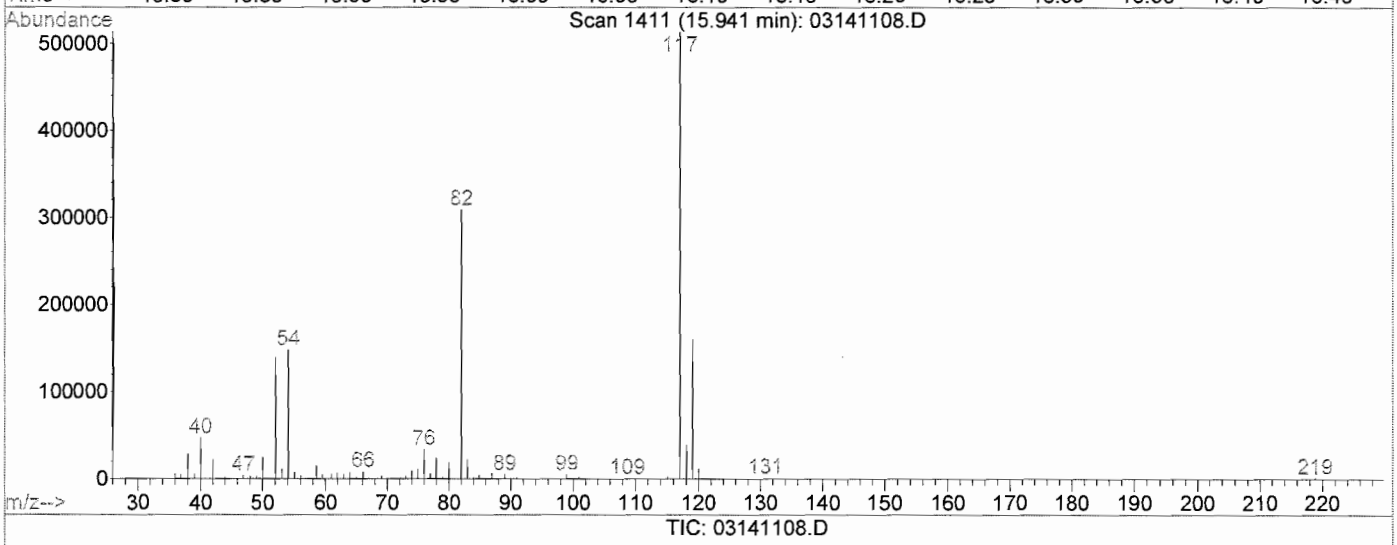
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:56 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration



After



TIC: 03141108.D

(48) Chlorobenzene-d5 (I)

15.94min 25.00ug/L m

response 1118486

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

NL

03141108.D 030211.M Mon Mar 14 15:56:38 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:56 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.33	65	155823	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	879567	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1296569	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.94	117	1118486m	25.00 ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	624163	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.98	113	494871	23.38 ug/L	0.00
Spiked Amount 25.000			Recovery =	93.52%	
46) Toluene-d8	13.99	98	1396217	24.95 ug/L	0.00
Spiked Amount 25.000			Recovery =	99.80%	
60) 4-Bromofluorobenzene	17.62	95	632523	28.17 ug/L	-0.03
Spiked Amount 25.000			Recovery =	112.68%	

Target Compounds					Qvalue
2) Ethanol	0.00	45	0	N.D. d	
3) tert-Butanol (TBA)	0.00	59	0	N.D. d	
5) Dichlorodifluoromethane	4.51	85	16104	0.47 ug/L	98
6) Chloromethane	4.80	50	9667	0.32 ug/L	88
7) Vinyl chloride	5.10	62	9208	0.44 ug/L #	62
8) Bromomethane	5.68	94	5429	1.11 ug/L	92
9) Chloroethane	5.89	64	7629	0.39 ug/L #	90
10) Trichlorofluoromethane	6.70	101	19285	0.51 ug/L	92
11) Acetone	0.00	43	0	N.D. d	
12) Iodomethane	7.48	142	2632	1.12 ug/L #	88
13) 1,1-Dichloroethene	7.42	96	10971	0.52 ug/L	89
14) Methylene chloride	7.61	84	13077	0.51 ug/L	98
15) Freon 113	7.68	101	12975	0.52 ug/L	97
16) Carbon disulfide	7.94	76	33782	0.33 ug/L	96
17) trans-1,2-Dichloroethene	8.50	96	11772	0.51 ug/L	95
18) MTBE	8.63	73	19900	0.51 ug/L	99
19) 1,1-Dichloroethane	8.82	63	20504	0.46 ug/L	94
20) Vinyl acetate	8.97	43	9755	0.50 ug/L	97
21) n-Hexane	9.34	86	2173	0.45 ug/L	83
22) 2-Butanone (MEK)	9.37	72	707	0.58 ug/L #	47
23) Diisopropylether (DIPE)	9.37	45	37882	0.48 ug/L	93
24) cis-1,2-dichloroethene	9.56	96	12547	0.50 ug/L	93
25) Bromochloromethane	9.76	128	4023	0.42 ug/L	94
26) Chloroform	9.82	83	22798	0.53 ug/L	97
27) 2,2-Dichloropropane	9.93	77	19634	0.59 ug/L	98
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	27493	0.49 ug/L	99
30) 1,2-Dichloroethane	10.66	62	13904	0.54 ug/L	91
31) 1,1,1-Trichloroethane	10.79	97	19365	0.56 ug/L	90
32) (TAME) tert-Amyl methy eth	11.50	73	19772	0.50 ug/L	94
34) 1,1-Dichloropropene	11.03	75	16108	0.58 ug/L	93
35) Carbon tetrachloride	11.27	117	15491	1.15 ug/L	93
36) Benzene	11.33	78	40638	0.54 ug/L	96
37) Dibromomethane	12.05	93	5616	0.52 ug/L	91
38) 1,2-Dichloropropane	12.09	63	9890	0.50 ug/L #	75
39) Trichloroethene	12.14	95	12969	0.60 ug/L	89
40) Bromodichloromethane	12.21	83	14786	0.58 ug/L	97

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:56 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

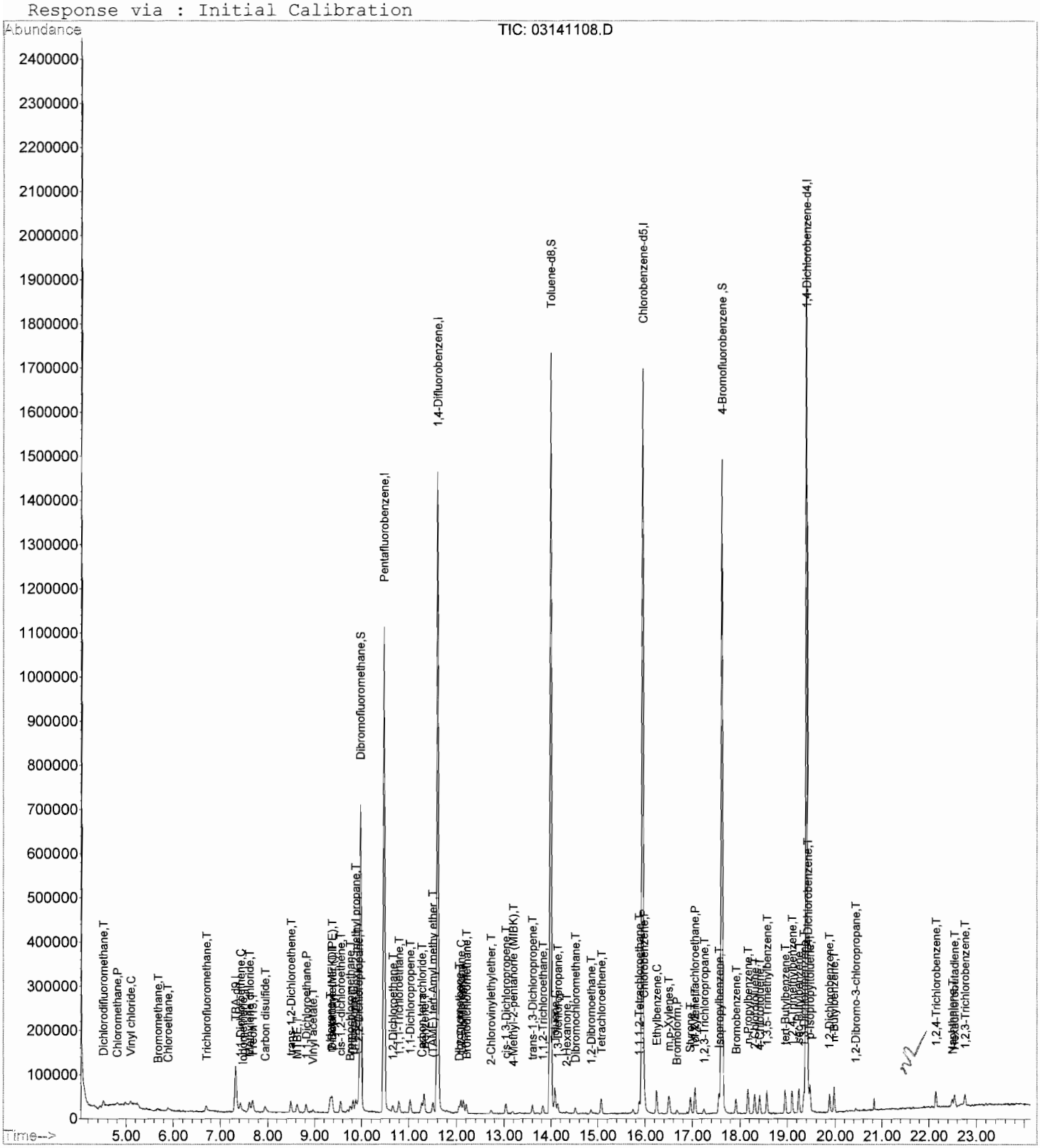
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
41)	2-Chlorovinylethylether	12.73	63	3181	0.54 ug/L		98
42)	cis-1,3-Dichloropropene	13.04	75	14783	0.54 ug/L		89
43)	4-Methyl-2-pentanone (MIBK	13.18	43	4824	0.48 ug/L		99
44)	trans-1,3-Dichloropropene	13.60	75	11216	0.52 ug/L		91
45)	1,1,2-Trichloroethane	13.82	97	6341	0.51 ug/L	#	89
47)	Toluene	14.08	92	23238	0.53 ug/L		93
49)	1,3-Dichloropropane	14.14	76	10638	0.47 ug/L		88
50)	2-Hexanone	14.33	43	3785	0.54 ug/L	#	90
51)	Dibromochloromethane	14.52	129	7965	0.53 ug/L		93
52)	1,2-Dibromoethane	14.85	107	6725	0.52 ug/L		92
53)	Tetrachloroethene	15.07	164	9968	0.57 ug/L		97
54)	1,1,1,2-Tetrachloroethane	15.87	131	12849	0.75 ug/L	#	47
55)	Chlorobenzene	15.98	112	26010	0.52 ug/L		92
56)	Ethylbenzene	16.25	91	45873	0.54 ug/L		98
57)	m,p-Xylenes	16.51	106	16402	0.53 ug/L		98
58)	Styrene	16.96	104	22674	0.50 ug/L		98
59)	o-Xylene	17.06	106	15253	0.51 ug/L		91
62)	Bromoform	16.68	173	4397	0.44 ug/L		90
63)	1,1,2,2-Tetrachloroethane	17.04	83	6485	0.47 ug/L	#	91
64)	1,2,3-Trichloropropane	17.25	110	1742	0.47 ug/L		96
65)	Isopropylbenzene	17.56	105	36954	0.47 ug/L		98
66)	Bromobenzene	17.92	156	11055	0.49 ug/L		97
67)	n-Propylbenzene	18.17	91	50276	0.48 ug/L		98
68)	2-Chlorotoluene	18.31	91	31749	0.48 ug/L		98
69)	4-Chlorotoluene	18.41	91	31263	0.47 ug/L		96
70)	1,3,5-Trimethylbenzene	18.57	105	33141	0.47 ug/L		100
71)	tert-Butylbenzene	18.95	119	28395	0.50 ug/L		99
72)	1,2,4-Trimethylbenzene	19.10	105	34157	0.49 ug/L		100
73)	sec-Butylbenzene	19.24	105	44712	0.49 ug/L		98
74)	1,3-Dichlorobenzene	19.35	146	19897	0.48 ug/L		92
75)	1,4-Dichlorobenzene	19.43	146	20529	0.51 ug/L		92
76)	p-Isopropyltoluene	19.48	119	37737	0.52 ug/L		96
77)	1,2-Dichlorobenzene	19.88	146	17654	0.49 ug/L		96
78)	n-Butylbenzene	19.97	91	34571	0.46 ug/L		100
79)	1,2-Dibromo-3-chloropropan	20.43	75	1633	0.70 ug/L	#	66
80)	1,2,4-Trichlorobenzene	22.15	180	13689	0.53 ug/L		93
81)	Naphthalene	22.50	128	14868	0.44 ug/L		97
82)	Hexachlorobutadiene	22.55	225	6055	0.45 ug/L	#	86
83)	1,2,3-Trichlorobenzene	22.76	180	10973	0.52 ug/L		98

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

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141108.D Vial: 5
Acq On : 14 Mar 2011 10:33 am Operator: NL
Sample : 0.5 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:56 2011 Quant Results File: 030211.RES

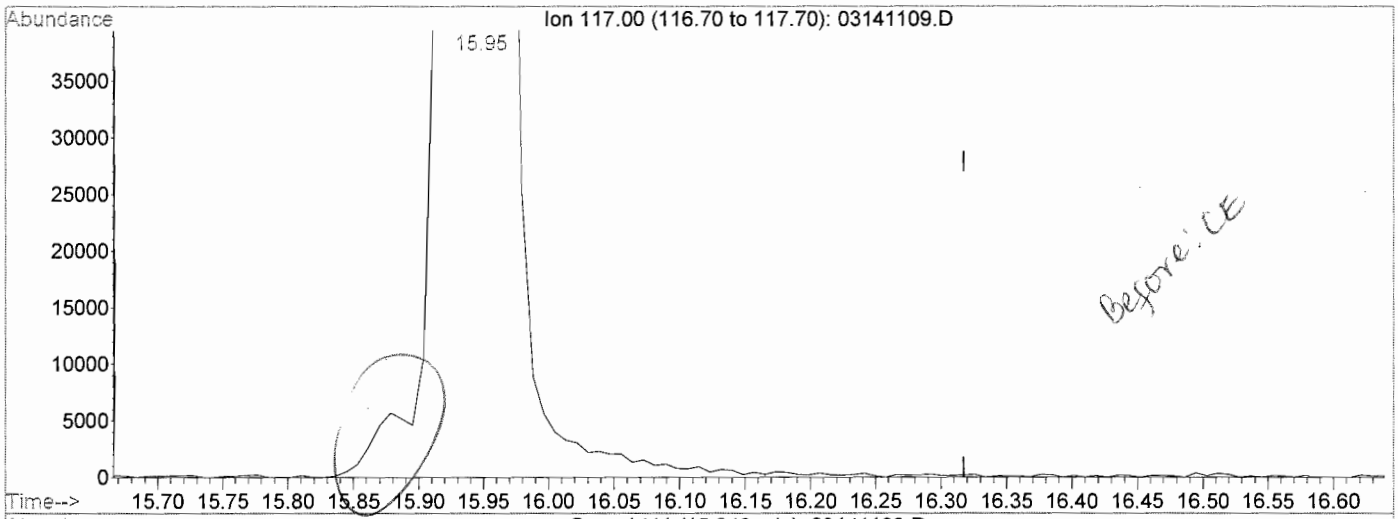
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration

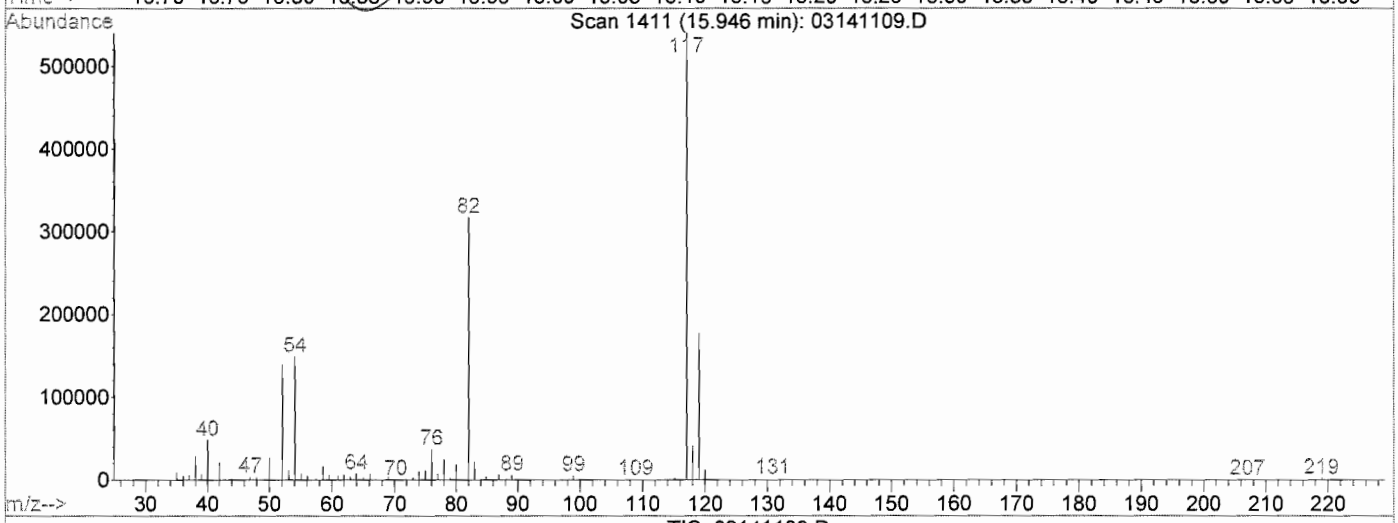


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:57 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





TIC: 03141109.D

(48) Chlorobenzene-d5 (I)

15.95min 25.00ug/L

response 1174140

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

NL 3/15/11

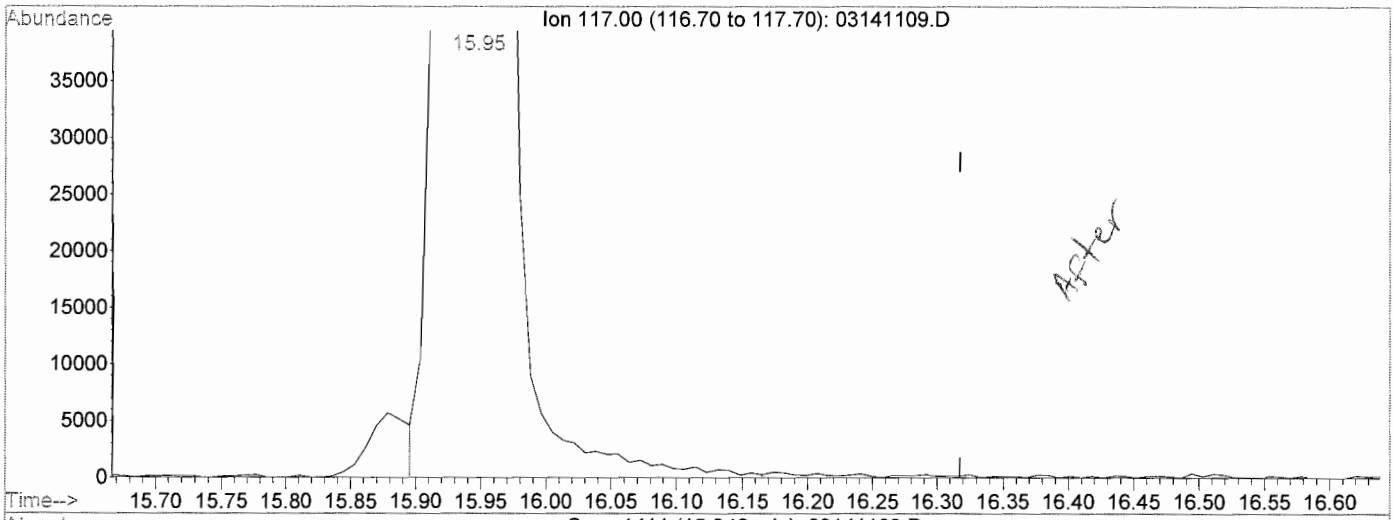
03141109.D 030211.M Mon Mar 14 15:58:03 2011

4/14/11

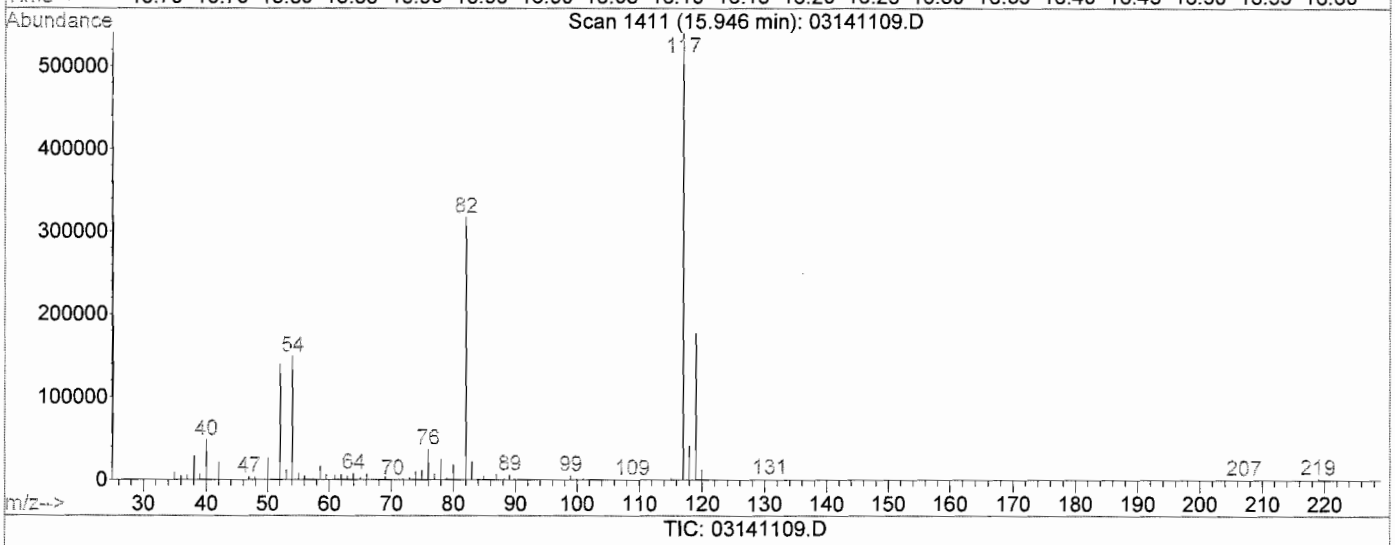
Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration



After



(48) Chlorobenzene-d5 (I)

15.95min 25.00ug/L m

response 1161807

Ion	Exp%	Act%
117.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

NL

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.32	65	163525	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	922360	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1341500	25.00 ug/L	-0.01
48) Chlorobenzene-d5	15.95	117	1161807m	25.00 ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.40	152	656554	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	511715	23.06 ug/L	0.00
Spiked Amount 25.000			Recovery =	92.24%	
46) Toluene-d8	13.99	98	1439541	24.86 ug/L	-0.01
Spiked Amount 25.000			Recovery =	99.44%	
60) 4-Bromofluorobenzene	17.62	95	651071	27.91 ug/L	-0.03
Spiked Amount 25.000			Recovery =	111.64%	

Target Compounds					Qvalue
2) Ethanol	0.00	45	0	N.D. d	
3) tert-Butanol (TBA)	7.43	59	5161	4.28 ug/L	96
5) Dichlorodifluoromethane	4.50	85	30732	0.86 ug/L	96
6) Chloromethane	4.80	50	18061	0.56 ug/L	92
7) Vinyl chloride	5.09	62	18944	0.87 ug/L #	78
8) Bromomethane	5.69	94	10522	1.29 ug/L	94
9) Chloroethane	5.89	64	16939	0.83 ug/L	94
10) Trichlorofluoromethane	6.70	101	37937	0.96 ug/L	97
11) Acetone	6.86	43	5558	1.13 ug/L #	79
12) Iodomethane	7.47	142	8584	1.33 ug/L	95
13) 1,1-Dichloroethene	7.42	96	19437	0.88 ug/L	93
14) Methylene chloride	7.61	84	26278	0.98 ug/L	99
15) Freon 113	7.68	101	25302	0.96 ug/L	98
16) Carbon disulfide	7.94	76	60995	0.74 ug/L #	92
17) trans-1,2-Dichloroethene	8.49	96	22356	0.92 ug/L	98
18) MTBE	8.63	73	41710	1.02 ug/L	99
19) 1,1-Dichloroethane	8.82	63	44289	0.95 ug/L	98
20) Vinyl acetate	8.98	43	20648	1.02 ug/L	99
21) n-Hexane	9.32	86	4597	0.91 ug/L	80
22) 2-Butanone (MEK)	9.36	72	1170	0.92 ug/L #	85
23) Diisopropylether (DIPE)	9.36	45	87611	1.05 ug/L	97
24) cis-1,2-dichloroethene	9.55	96	24956	0.95 ug/L	96
25) Bromochloromethane	9.76	128	8986	0.90 ug/L	96
26) Chloroform	9.82	83	47855	1.05 ug/L	99
27) 2,2-Dichloropropane	9.93	77	39501	1.13 ug/L	95
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	62766	1.07 ug/L	99
30) 1,2-Dichloroethane	10.66	62	29939	1.11 ug/L	95
31) 1,1,1-Trichloroethane	10.80	97	39206	1.08 ug/L	95
32) (TAME) tert-Amyl methy eth	11.50	73	43031	1.03 ug/L	96
34) 1,1-Dichloropropene	11.03	75	31960	1.10 ug/L	97
35) Carbon tetrachloride	11.27	117	32401	1.83 ug/L	98
36) Benzene	11.32	78	81624	1.04 ug/L	95
37) Dibromomethane	12.05	93	11887	1.07 ug/L	94
38) 1,2-Dichloropropane	12.09	63	20550	1.00 ug/L #	86
39) Trichloroethene	12.14	95	25397	1.14 ug/L	97
40) Bromodichloromethane	12.21	83	30659	1.16 ug/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

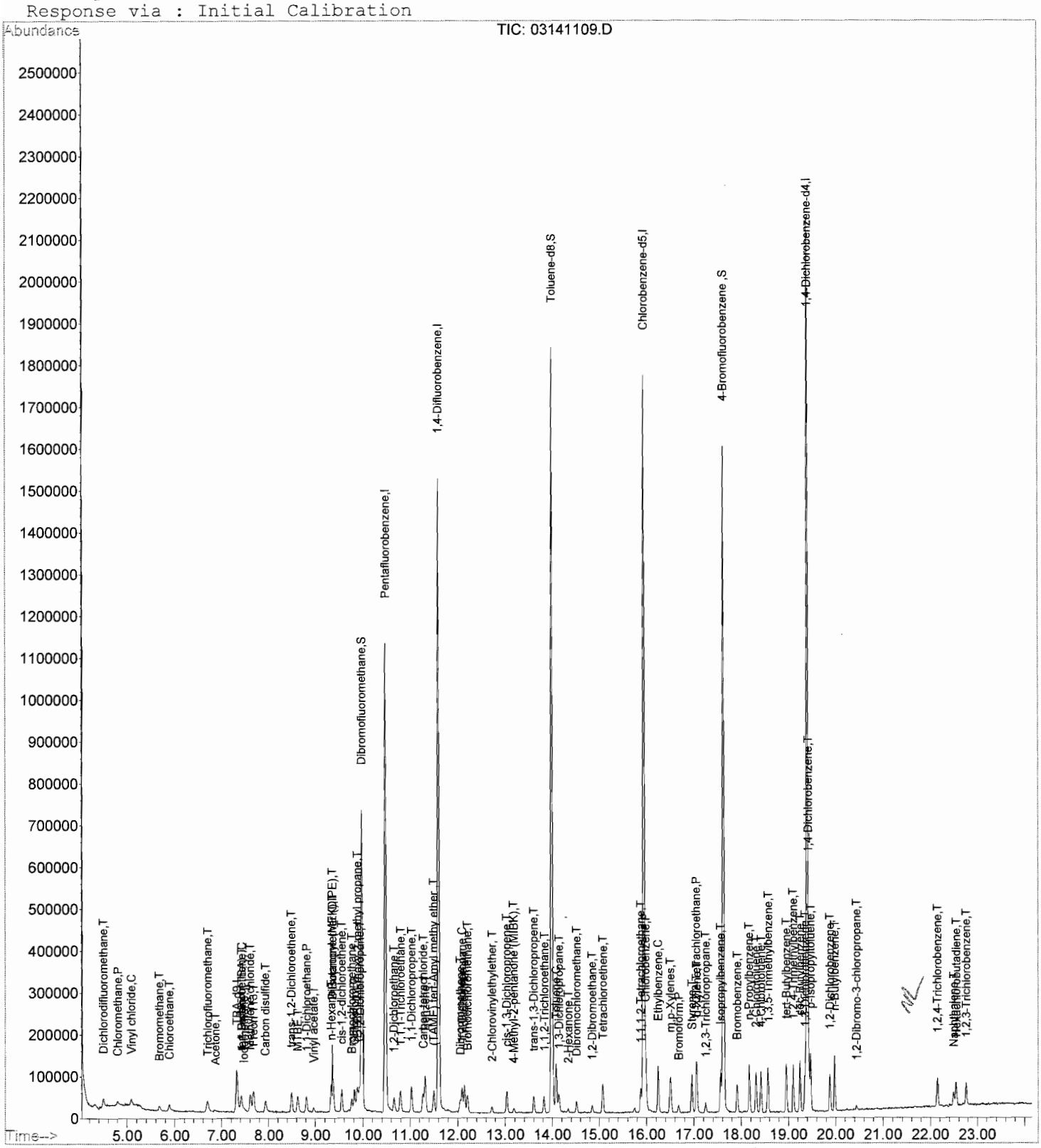
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
41)	2-Chlorovinylethylether	12.72	63	6316	1.04 ug/L		97
42)	cis-1,3-Dichloropropene	13.03	75	30586	1.08 ug/L		92
43)	4-Methyl-2-pentanone (MIBK	13.18	43	9919	0.96 ug/L		98
44)	trans-1,3-Dichloropropene	13.60	75	24804	1.10 ug/L		90
45)	1,1,2-Trichloroethane	13.83	97	13697	1.06 ug/L		92
47)	Toluene	14.08	92	51724	1.14 ug/L		98
49)	1,3-Dichloropropane	14.14	76	23878	1.01 ug/L		97
50)	2-Hexanone	14.33	43	7442	1.02 ug/L	#	88
51)	Dibromochloromethane	14.52	129	15956	1.02 ug/L		98
52)	1,2-Dibromoethane	14.85	107	13364	1.00 ug/L		98
53)	Tetrachloroethene	15.08	164	20940	1.15 ug/L		93
54)	1,1,1,2-Tetrachloroethane	15.88	131	20465	1.15 ug/L		89
55)	Chlorobenzene	15.99	112	55554	1.07 ug/L	#	80
56)	Ethylbenzene	16.24	91	98106	1.12 ug/L		98
57)	m,p-Xylenes	16.50	106	34501	1.08 ug/L		95
58)	Styrene	16.96	104	50145	1.06 ug/L		97
59)	o-Xylene	17.06	106	33764	1.09 ug/L		96
62)	Bromoform	16.68	173	10070	0.96 ug/L		89
63)	1,1,2,2-Tetrachloroethane	17.04	83	12898	0.88 ug/L	#	96
64)	1,2,3-Trichloropropane	17.25	110	3454	0.88 ug/L		94
65)	Isopropylbenzene	17.56	105	83225	1.00 ug/L		99
66)	Bromobenzene	17.91	156	22567	0.96 ug/L		98
67)	n-Propylbenzene	18.17	91	107954	0.97 ug/L		100
68)	2-Chlorotoluene	18.31	91	69416	1.00 ug/L		99
69)	4-Chlorotoluene	18.42	91	72338	1.04 ug/L		99
70)	1,3,5-Trimethylbenzene	18.57	105	75804	1.02 ug/L		95
71)	tert-Butylbenzene	18.96	119	61061	1.03 ug/L		97
72)	1,2,4-Trimethylbenzene	19.10	105	74433	1.01 ug/L		99
73)	sec-Butylbenzene	19.25	105	94039	0.97 ug/L		100
74)	1,3-Dichlorobenzene	19.35	146	43178	1.00 ug/L		95
75)	1,4-Dichlorobenzene	19.43	146	44611	1.05 ug/L	#	90
76)	p-Isopropyltoluene	19.47	119	78344	1.03 ug/L		97
77)	1,2-Dichlorobenzene	19.88	146	36641	0.97 ug/L		97
78)	n-Butylbenzene	19.98	91	77186	0.98 ug/L		98
79)	1,2-Dibromo-3-chloropropan	20.44	75	1968	0.80 ug/L		89
80)	1,2,4-Trichlorobenzene	22.15	180	28151	1.03 ug/L		94
81)	Naphthalene	22.49	128	31633	0.89 ug/L		99
82)	Hexachlorobutadiene	22.54	225	15443	1.08 ug/L		94
83)	1,2,3-Trichlorobenzene	22.76	180	22752	1.02 ug/L		99

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

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141109.D Vial: 6
Acq On : 14 Mar 2011 11:06 am Operator: NL
Sample : 1.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141110.D Vial: 7
Acq On : 14 Mar 2011 11:39 am Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

bad purge

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.33	65	150604	200.00 ug/L	0.01
4) Pentafluorobenzene	0.00	168	0	0.00 ug/L	-10.48
33) 1,4-Difluorobenzene	0.00	114	0	0.00 ug/L	-11.61
48) Chlorobenzene-d5	16.00	117	24919	25.00 ug/L	0.03
61) 1,4-Dichlorobenzene-d4	19.44	152	653142	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	10.16	113	645909	0.00 ug/L	0.18
Spiked Amount 25.000			Recovery	= 0.00%	
46) Toluene-d8	14.19	98	1362450	0.00 ug/L	0.19
Spiked Amount 25.000			Recovery	= 0.00%	
60) 4-Bromofluorobenzene	17.69	95	652663	1304.45 ug/L	0.04
Spiked Amount 25.000			Recovery	= 5217.80%	

Target Compounds					Qvalue
2) Ethanol	5.92	45	2696	20.91 ug/L #	67
3) tert-Butanol (TBA)	7.44	59	8593	7.74 ug/L #	84
5) Dichlorodifluoromethane	4.50	85	60252	N.D.	
6) Chloromethane	4.81	50	29734	N.D.	
7) Vinyl chloride	5.10	62	36643	N.D.	
8) Bromomethane	5.69	94	12567	N.D.	
9) Chloroethane	5.90	64	34805	N.D.	
10) Trichlorofluoromethane	6.70	101	74997	N.D.	
11) Acetone	6.86	43	10820	N.D.	
12) Iodomethane	7.48	142	13623	N.D.	
13) 1,1-Dichloroethene	7.42	96	38680	N.D.	
14) Methylene chloride	7.61	84	45580	N.D.	
15) Freon 113	7.68	101	49087	N.D.	
16) Carbon disulfide	7.95	76	102409	N.D.	
17) trans-1,2-Dichloroethene	8.49	96	42691	N.D.	
18) MTBE	8.63	73	84287	N.D.	
19) 1,1-Dichloroethane	8.81	63	81273	N.D.	
20) Vinyl acetate	8.97	43	34200	N.D.	
21) n-Hexane	9.35	86	9366	N.D.	
22) 2-Butanone (MEK)	9.38	72	2390	N.D.	
23) Diisopropylether (DIPE)	9.38	45	171710	N.D.	
24) cis-1,2-dichloroethene	9.59	96	61499	N.D.	
25) Bromochloromethane	9.86	128	23629	N.D.	
26) Chloroform	9.94	83	118589	N.D.	
27) 2,2-Dichloropropane	10.09	77	93783	N.D.	
28) (ETBE) 2-Ethoxy-2-methyl p	10.02	59	171722	N.D.	
30) 1,2-Dichloroethane	10.80	62	4530	N.D.	
31) 1,1,1-Trichloroethane	0.00	97	0	N.D.	
32) (TAME) tert-Amyl methy eth	11.40	73	9463	N.D.	
34) 1,1-Dichloropropene	10.81	75	78874	N.D.	
35) Carbon tetrachloride	11.15	117	9651	N.D.	
36) Benzene	0.00	78	0	N.D.	
37) Dibromomethane	11.95	93	22910	N.D.	
38) 1,2-Dichloropropane	11.95	63	279932	N.D.	
39) Trichloroethene	12.45	95	39397	N.D.	
40) Bromodichloromethane	12.51	83	49955	N.D.	

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141110.D Vial: 7
Acq On : 14 Mar 2011 11:39 am Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

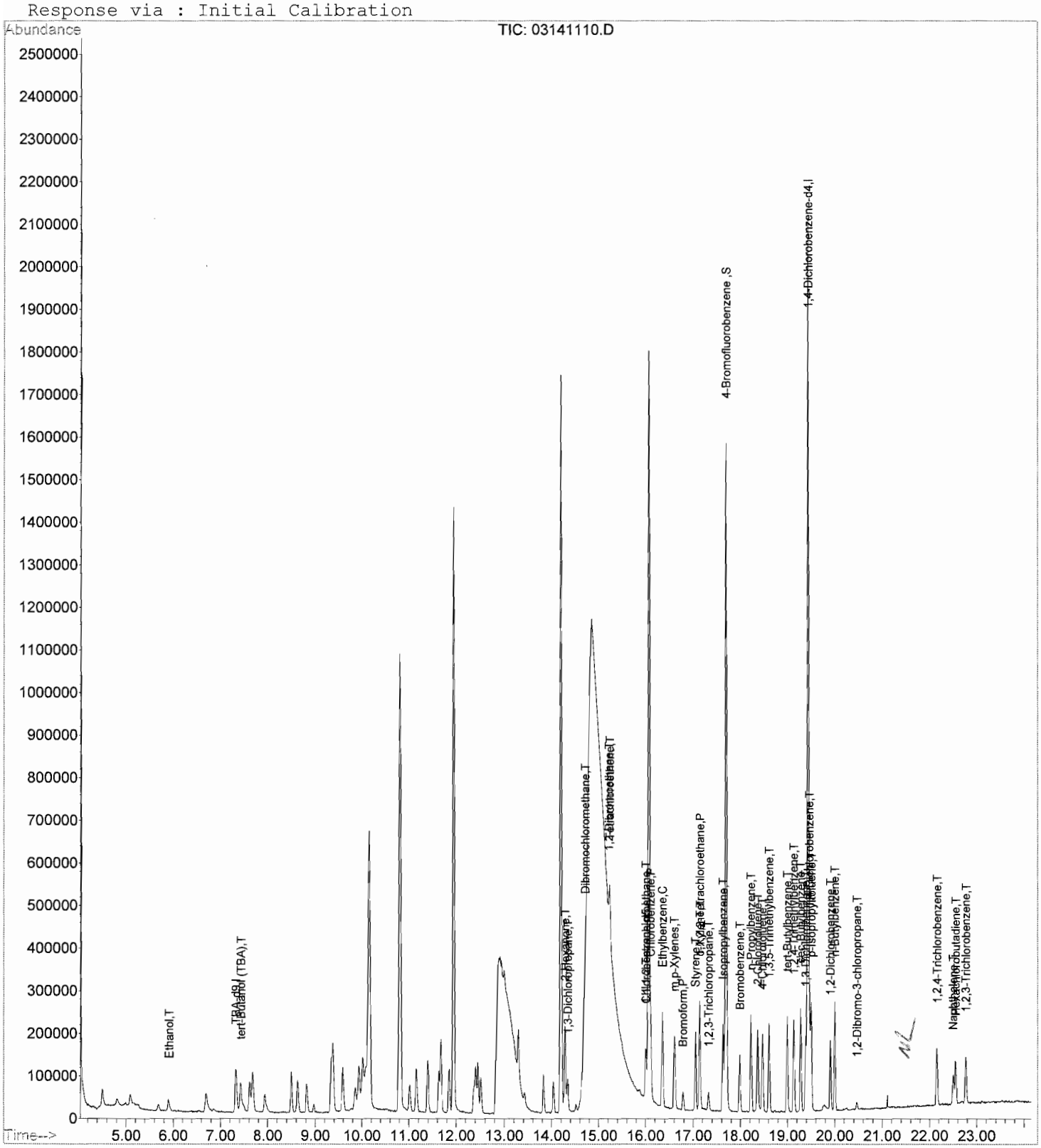
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
41)	2-Chlorovinylethylether	13.00	63	11813	N.D.		
42)	cis-1,3-Dichloropropene	13.30	75	59880	N.D.		
43)	4-Methyl-2-pentanone (MIBK	13.42	43	22372	N.D.		
44)	trans-1,3-Dichloropropene	13.83	75	51008	N.D.		
45)	1,1,2-Trichloroethane	14.04	97	27372	N.D.		
47)	Toluene	14.28	92	97296	N.D.		
49)	1,3-Dichloropropane	14.34	76	47055	92.48 ug/L		100
50)	2-Hexanone	14.27	43	2430	15.55 ug/L	#	38
51)	Dibromochloromethane	14.70	129	32701	97.58 ug/L		100
52)	1,2-Dibromoethane	15.21	107	55	0.19 ug/L		98
53)	Tetrachloroethene	15.23	164	28863	73.76 ug/L		96
54)	1,1,1,2-Tetrachloroethane	16.00	131	43011	112.63 ug/L		94
55)	Chlorobenzene	16.11	112	104621	94.28 ug/L	#	87
56)	Ethylbenzene	16.36	91	194365	103.49 ug/L		98
57)	m,p-Xylenes	16.60	106	68975	100.74 ug/L		96
58)	Styrene	17.05	104	106779	104.80 ug/L		98
59)	o-Xylene	17.14	106	67019	100.99 ug/L		99
62)	Bromoform	16.78	173	23664	2.26 ug/L		94
63)	1,1,2,2-Tetrachloroethane	17.13	83	28342	1.95 ug/L	#	92
64)	1,2,3-Trichloropropane	17.33	110	7762	2.00 ug/L		87
65)	Isopropylbenzene	17.63	105	168974	2.05 ug/L		98
66)	Bromobenzene	17.99	156	46126	1.96 ug/L		98
67)	n-Propylbenzene	18.22	91	217557	1.97 ug/L		100
68)	2-Chlorotoluene	18.37	91	137574	1.98 ug/L		97
69)	4-Chlorotoluene	18.47	91	140834	2.04 ug/L		97
70)	1,3,5-Trimethylbenzene	18.61	105	147231	1.99 ug/L		98
71)	tert-Butylbenzene	19.00	119	119146	2.01 ug/L		97
72)	1,2,4-Trimethylbenzene	19.14	105	146772	1.99 ug/L		98
73)	sec-Butylbenzene	19.28	105	192717	2.00 ug/L		100
74)	1,3-Dichlorobenzene	19.39	146	83816	1.95 ug/L		97
75)	1,4-Dichlorobenzene	19.47	146	85825	2.03 ug/L		93
76)	p-Isopropyltoluene	19.50	119	154507	2.04 ug/L		99
77)	1,2-Dichlorobenzene	19.91	146	73874	1.97 ug/L		99
78)	n-Butylbenzene	20.00	91	154852	1.98 ug/L		100
79)	1,2-Dibromo-3-chloropropan	20.46	75	4963	2.03 ug/L		86
80)	1,2,4-Trichlorobenzene	22.16	180	55476	2.04 ug/L		95
81)	Naphthalene	22.50	128	65537	1.85 ug/L		100
82)	Hexachlorobutadiene	22.56	225	29732	2.09 ug/L		99
83)	1,2,3-Trichlorobenzene	22.77	180	45568	2.04 ug/L		99

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

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141110.D Vial: 7
Acq On : 14 Mar 2011 11:39 am Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:58 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D Vial: 8
Acq On : 14 Mar 2011 12:14 pm Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:59 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	118356	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	711317	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1057424	25.00 ug/L	-0.02
48) Chlorobenzene-d5	15.94	117	932115	25.00 ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	524222	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	415304	24.26 ug/L	0.00
Spiked Amount 25.000			Recovery = 97.04%		
46) Toluene-d8	13.98	98	1156864	25.35 ug/L	-0.02
Spiked Amount 25.000			Recovery = 101.40%		
60) 4-Bromofluorobenzene	17.62	95	527208	28.17 ug/L	-0.03
Spiked Amount 25.000			Recovery = 112.68%		

Target Compounds					Qvalue
2) Ethanol	0.00	45	0	N.D. d	
3) tert-Butanol (TBA)	7.42	59	10211	11.71 ug/L #	94
5) Dichlorodifluoromethane	4.47	85	53625	1.94 ug/L	98
6) Chloromethane	4.78	50	32657	1.32 ug/L	89
7) Vinyl chloride	5.07	62	37358	2.22 ug/L #	82
8) Bromomethane	5.66	94	17100	1.72 ug/L	87
9) Chloroethane	5.87	64	35588	2.25 ug/L	97
10) Trichlorofluoromethane	6.68	101	68707	2.26 ug/L	94
11) Acetone	6.84	43	13114	3.46 ug/L #	88
12) Iodomethane	7.47	142	15441	1.74 ug/L	99
13) 1,1-Dichloroethene	7.41	96	39307	2.31 ug/L	98
14) Methylene chloride	7.60	84	47605	2.31 ug/L	99
15) Freon 113	7.66	101	41898	2.07 ug/L	93
16) Carbon disulfide	7.93	76	119287	2.23 ug/L	97
17) trans-1,2-Dichloroethene	8.48	96	50567	2.71 ug/L	99
18) MTBE	8.62	73	68393	2.16 ug/L	99
19) 1,1-Dichloroethane	8.80	63	90989	2.52 ug/L	96
20) Vinyl acetate	8.95	43	32801	2.10 ug/L	96
21) n-Hexane	9.32	86	7296	1.87 ug/L	98
22) 2-Butanone (MEK)	9.35	72	2282	2.33 ug/L #	82
23) Diisopropylether (DIPE)	9.36	45	154386	2.40 ug/L	98
24) cis-1,2-dichloroethene	9.55	96	52692	2.61 ug/L	99
25) Bromochloromethane	9.76	128	15165	1.97 ug/L	97
26) Chloroform	9.82	83	98924	2.83 ug/L	97
27) 2,2-Dichloropropane	9.92	77	82629	3.06 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	108864	2.41 ug/L	100
30) 1,2-Dichloroethane	10.66	62	52451	2.52 ug/L	96
31) 1,1,1-Trichloroethane	10.79	97	82372	2.94 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	72398	2.26 ug/L	97
34) 1,1-Dichloropropene	11.02	75	62603	2.74 ug/L	98
35) Carbon tetrachloride	11.27	117	65324	3.91 ug/L	98
36) Benzene	11.32	78	170501	2.76 ug/L	96
37) Dibromomethane	12.04	93	21366	2.44 ug/L	99
38) 1,2-Dichloropropane	12.09	63	42314	2.62 ug/L #	81
39) Trichloroethene	12.14	95	51563	2.93 ug/L	99
40) Bromodichloromethane	12.20	83	60974	2.92 ug/L	99

(#) = qualifier out of range (m) = manual integration
03141111.D 030211.M Mon Mar 14 16:00:01 2011

NL 3/15/11

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D Vial: 8
Acq On : 14 Mar 2011 12:14 pm Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:59 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

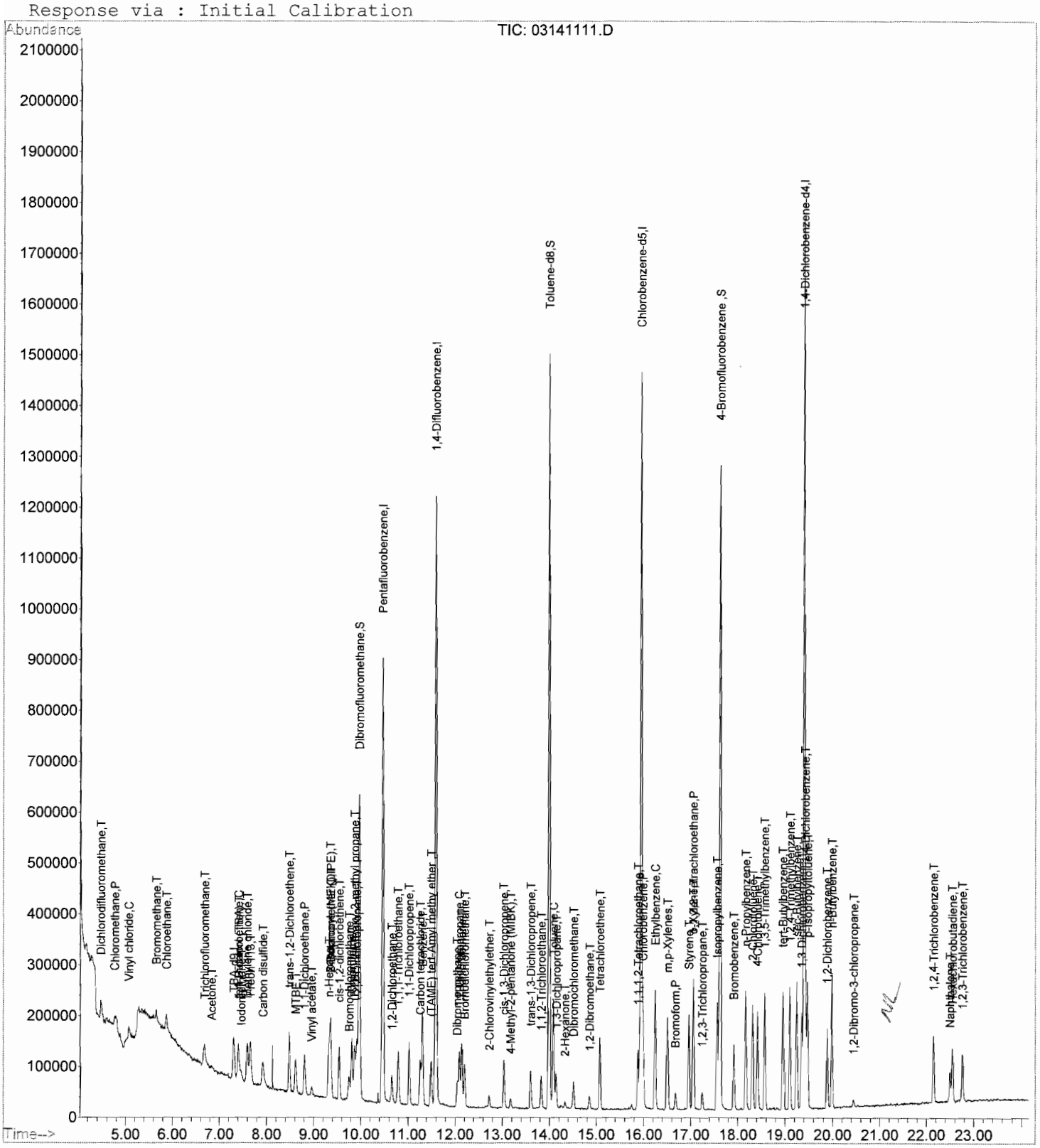
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
41)	2-Chlorovinylethylether	12.73	63	10374	2.17 ug/L		96
42)	cis-1,3-Dichloropropene	13.04	75	59645	2.66 ug/L		91
43)	4-Methyl-2-pentanone (MIBK	13.17	43	16382	2.01 ug/L		94
44)	trans-1,3-Dichloropropene	13.60	75	45501	2.57 ug/L		93
45)	1,1,2-Trichloroethane	13.82	97	24061	2.36 ug/L		99
47)	Toluene	14.08	92	105845	2.97 ug/L		100
49)	1,3-Dichloropropane	14.14	76	39874	2.10 ug/L		96
50)	2-Hexanone	14.33	43	12588	2.15 ug/L	#	92
51)	Dibromochloromethane	14.52	129	31703	2.53 ug/L		96
52)	1,2-Dibromoethane	14.84	107	21699	2.02 ug/L		100
53)	Tetrachloroethene	15.07	164	40249	2.75 ug/L		97
54)	1,1,1,2-Tetrachloroethane	15.87	131	39605	2.77 ug/L		93
55)	Chlorobenzene	15.99	112	109100	2.63 ug/L		91
56)	Ethylbenzene	16.25	91	203956	2.90 ug/L		98
57)	m,p-Xylenes	16.51	106	71329	2.79 ug/L		95
58)	Styrene	16.96	104	102326	2.68 ug/L		97
59)	o-Xylene	17.06	106	71297	2.87 ug/L		96
62)	Bromoform	16.68	173	19630	2.34 ug/L		97
63)	1,1,2,2-Tetrachloroethane	17.05	83	21130	1.81 ug/L	#	88
64)	1,2,3-Trichloropropane	17.25	110	5768	1.85 ug/L		96
65)	Isopropylbenzene	17.56	105	171913	2.60 ug/L		99
66)	Bromobenzene	17.92	156	44118	2.34 ug/L		96
67)	n-Propylbenzene	18.17	91	224077	2.53 ug/L		100
68)	2-Chlorotoluene	18.31	91	141662	2.54 ug/L		98
69)	4-Chlorotoluene	18.41	91	146784	2.65 ug/L		100
70)	1,3,5-Trimethylbenzene	18.57	105	155498	2.62 ug/L		97
71)	tert-Butylbenzene	18.96	119	125198	2.64 ug/L		95
72)	1,2,4-Trimethylbenzene	19.11	105	158655	2.69 ug/L		99
73)	sec-Butylbenzene	19.25	105	197903	2.56 ug/L		99
74)	1,3-Dichlorobenzene	19.35	146	83448	2.42 ug/L		97
75)	1,4-Dichlorobenzene	19.43	146	84260	2.48 ug/L		93
76)	p-Isopropyltoluene	19.48	119	159587	2.63 ug/L		98
77)	1,2-Dichlorobenzene	19.88	146	68995	2.30 ug/L		99
78)	n-Butylbenzene	19.98	91	159253	2.54 ug/L		100
79)	1,2-Dibromo-3-chloropropan	20.45	75	4340	2.22 ug/L	#	78
80)	1,2,4-Trichlorobenzene	22.15	180	52445	2.40 ug/L		98
81)	Naphthalene	22.50	128	55232	1.95 ug/L		98
82)	Hexachlorobutadiene	22.55	225	29126	2.55 ug/L		97
83)	1,2,3-Trichlorobenzene	22.76	180	40091	2.24 ug/L		96

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

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141111.D Vial: 8
Acq On : 14 Mar 2011 12:14 pm Operator: NL
Sample : 2.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 15:59 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D Vial: 9
Acq On : 14 Mar 2011 12:47 pm Operator: NL
Sample : 5.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:00 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	119477	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	700842	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1010249	25.00 ug/L	-0.02
48) Chlorobenzene-d5	15.94	117	912659	25.00 ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	512889	25.00 ug/L	-0.03
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	399936	23.72 ug/L	0.00
Spiked Amount 25.000			Recovery = 94.88%		
46) Toluene-d8	13.98	98	1120128	25.69 ug/L	-0.02
Spiked Amount 25.000			Recovery = 102.76%		
60) 4-Bromofluorobenzene	17.62	95	522172	28.50 ug/L	-0.03
Spiked Amount 25.000			Recovery = 114.00%		

Target Compounds					Qvalue
2) Ethanol	0.00	45	0	N.D. d	
3) tert-Butanol (TBA)	7.42	59	14934	16.96 ug/L	98
5) Dichlorodifluoromethane	4.47	85	132238	4.85 ug/L	99
6) Chloromethane	4.78	50	67751	2.78 ug/L	99
7) Vinyl chloride	5.06	62	78989	4.76 ug/L	97
8) Bromomethane	5.66	94	34058	2.57 ug/L	100
9) Chloroethane	5.87	64	66878	4.29 ug/L	97
10) Trichlorofluoromethane	6.68	101	158969	5.31 ug/L	96
11) Acetone	6.84	43	19542	5.24 ug/L #	90
12) Iodomethane	7.46	142	40011	2.90 ug/L #	83
13) 1,1-Dichloroethene	7.40	96	79543	4.75 ug/L	98
14) Methylene chloride	7.60	84	93284	4.60 ug/L	98
15) Freon 113	7.66	101	102564	5.14 ug/L	95
16) Carbon disulfide	7.93	76	209886	4.18 ug/L #	94
17) trans-1,2-Dichloroethene	8.48	96	86712	4.71 ug/L	96
18) MTBE	8.62	73	163820	5.26 ug/L	97
19) 1,1-Dichloroethane	8.80	63	170592	4.79 ug/L	98
20) Vinyl acetate	8.96	43	70756	4.59 ug/L	97
21) n-Hexane	9.32	86	19167	4.99 ug/L	79
22) 2-Butanone (MEK)	9.37	72	4329	4.49 ug/L #	76
23) Diisopropylether (DIPE)	9.36	45	315084	4.97 ug/L	99
24) cis-1,2-dichloroethene	9.55	96	96449	4.85 ug/L	99
25) Bromochloromethane	9.76	128	34136	4.50 ug/L	92
26) Chloroform	9.82	83	184540	5.35 ug/L	99
27) 2,2-Dichloropropane	9.92	77	144350	5.42 ug/L	96
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	240191	5.40 ug/L	98
30) 1,2-Dichloroethane	10.66	62	115992	5.65 ug/L	95
31) 1,1,1-Trichloroethane	10.79	97	161470	5.84 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	166151	5.26 ug/L	97
34) 1,1-Dichloropropene	11.02	75	125801	5.77 ug/L	98
35) Carbon tetrachloride	11.27	117	133490	7.81 ug/L	98
36) Benzene	11.32	78	313868	5.31 ug/L	95
37) Dibromomethane	12.04	93	48242	5.77 ug/L	97
38) 1,2-Dichloropropane	12.09	63	79915	5.17 ug/L	85
39) Trichloroethene	12.14	95	95797	5.70 ug/L	97
40) Bromodichloromethane	12.20	83	124593	6.24 ug/L	99

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

NL 3/15/11

MJ 4/18/11

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D Vial: 9
Acq On : 14 Mar 2011 12:47 pm Operator: NL
Sample : 5.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:00 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

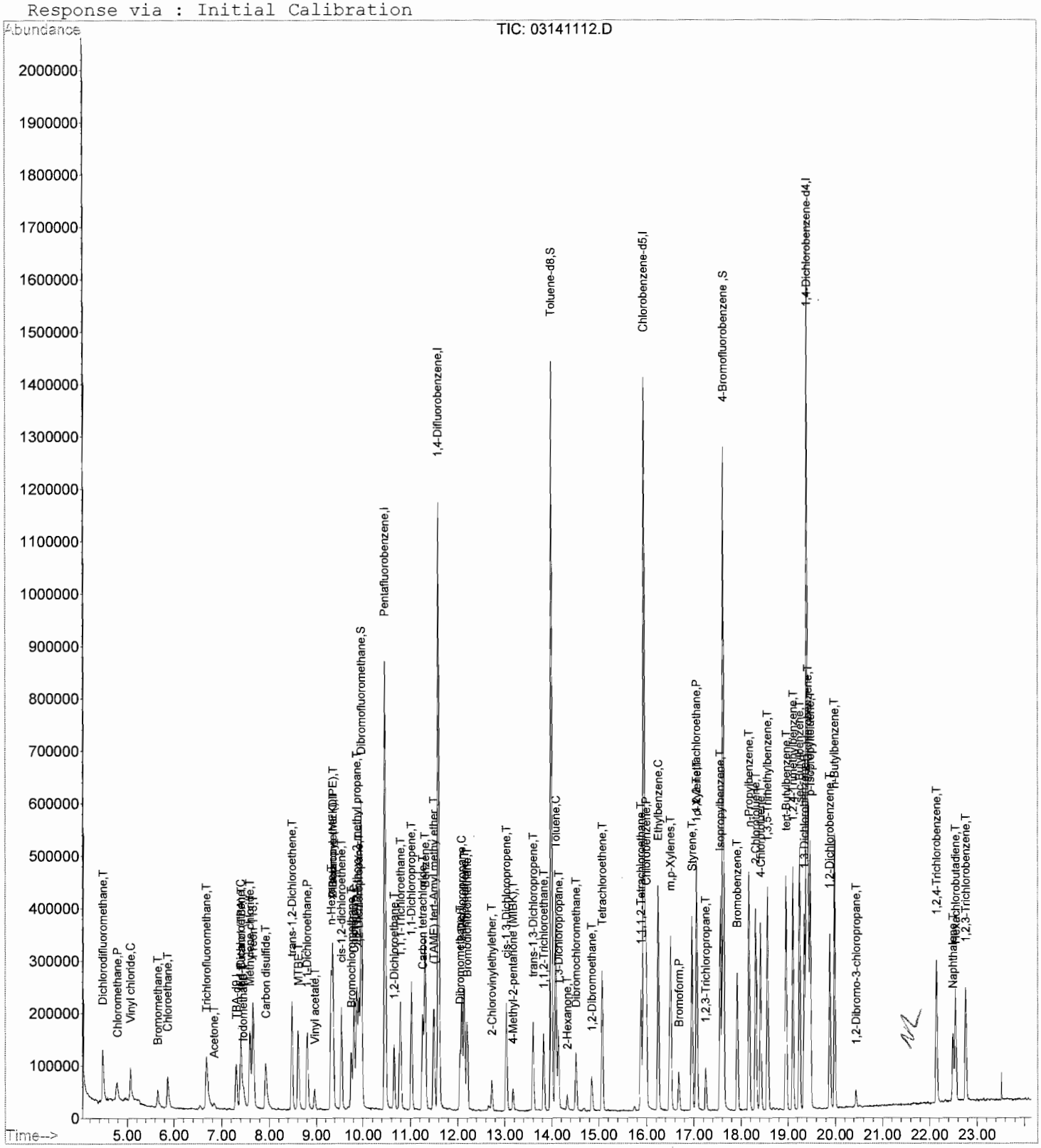
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
41)	2-Chlorovinylethylether	12.73	63	26466	5.78 ug/L		94
42)	cis-1,3-Dichloropropene	13.04	75	119204	5.57 ug/L		91
43)	4-Methyl-2-pentanone (MIBK	13.17	43	38199	4.91 ug/L		89
44)	trans-1,3-Dichloropropene	13.60	75	101199	5.98 ug/L		95
45)	1,1,2-Trichloroethane	13.82	97	54108	5.55 ug/L		96
47)	Toluene	14.08	92	199361	5.85 ug/L		100
49)	1,3-Dichloropropane	14.14	76	90676	4.87 ug/L		98
50)	2-Hexanone	14.33	43	27301	4.77 ug/L	#	92
51)	Dibromochloromethane	14.52	129	71389	5.82 ug/L		97
52)	1,2-Dibromoethane	14.85	107	54007	5.12 ug/L		97
53)	Tetrachloroethene	15.07	164	79084	5.52 ug/L		98
54)	1,1,1,2-Tetrachloroethane	15.88	131	78844	5.64 ug/L		94
55)	Chlorobenzene	15.99	112	203846	5.02 ug/L		96
56)	Ethylbenzene	16.25	91	375480	5.46 ug/L		98
57)	m,p-Xylenes	16.51	106	132725	5.29 ug/L		97
58)	Styrene	16.96	104	206281	5.53 ug/L		98
59)	o-Xylene	17.06	106	132259	5.44 ug/L		98
62)	Bromoform	16.68	173	44364	5.40 ug/L		98
63)	1,1,2,2-Tetrachloroethane	17.05	83	50521	4.44 ug/L	#	98
64)	1,2,3-Trichloropropane	17.25	110	14617	4.79 ug/L		91
65)	Isopropylbenzene	17.56	105	331110	5.11 ug/L		97
66)	Bromobenzene	17.92	156	90165	4.89 ug/L		99
67)	n-Propylbenzene	18.17	91	437726	5.05 ug/L		99
68)	2-Chlorotoluene	18.31	91	274225	5.03 ug/L		97
69)	4-Chlorotoluene	18.42	91	277598	5.12 ug/L		98
70)	1,3,5-Trimethylbenzene	18.57	105	298450	5.14 ug/L		97
71)	tert-Butylbenzene	18.96	119	239158	5.15 ug/L		96
72)	1,2,4-Trimethylbenzene	19.11	105	302101	5.23 ug/L		97
73)	sec-Butylbenzene	19.25	105	390838	5.17 ug/L		100
74)	1,3-Dichlorobenzene	19.35	146	169519	5.02 ug/L		99
75)	1,4-Dichlorobenzene	19.43	146	161637	4.87 ug/L		95
76)	p-Isopropyltoluene	19.48	119	310372	5.23 ug/L		99
77)	1,2-Dichlorobenzene	19.88	146	145493	4.95 ug/L		99
78)	n-Butylbenzene	19.98	91	314041	5.12 ug/L		99
79)	1,2-Dibromo-3-chloropropan	20.45	75	8572	4.47 ug/L		95
80)	1,2,4-Trichlorobenzene	22.15	180	108929	5.10 ug/L		99
81)	Naphthalene	22.50	128	128076	4.62 ug/L		99
82)	Hexachlorobutadiene	22.55	225	59115	5.30 ug/L		97
83)	1,2,3-Trichlorobenzene	22.76	180	91278	5.22 ug/L		99

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

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141112.D Vial: 9
Acq On : 14 Mar 2011 12:47 pm Operator: NL
Sample : 5.0 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:00 2011 Quant Results File: 030211.RES

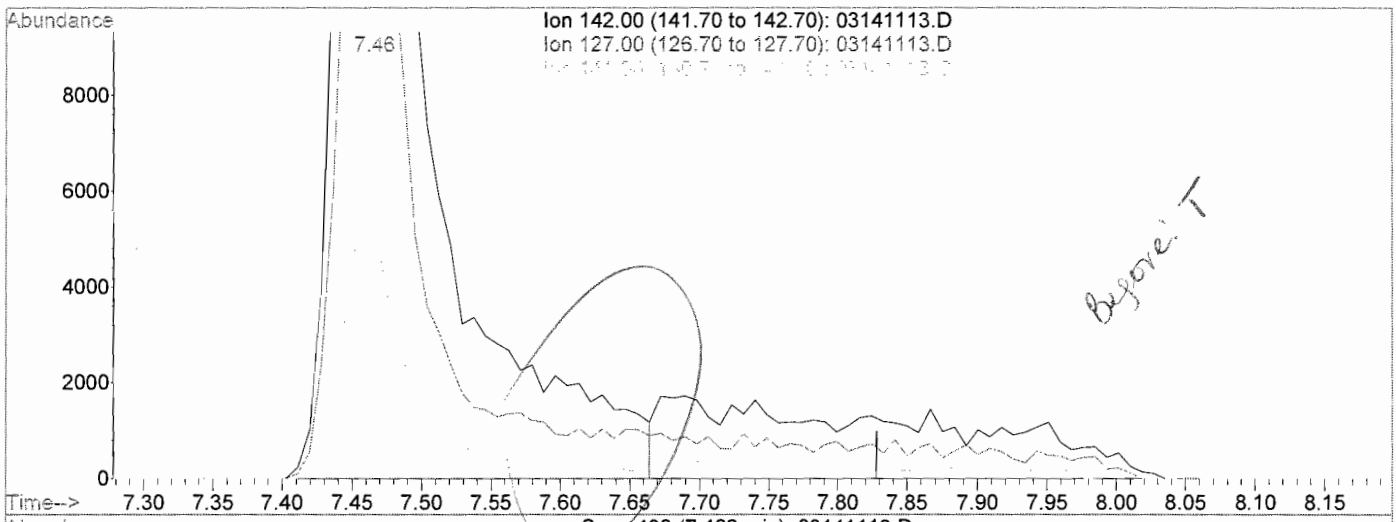
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration

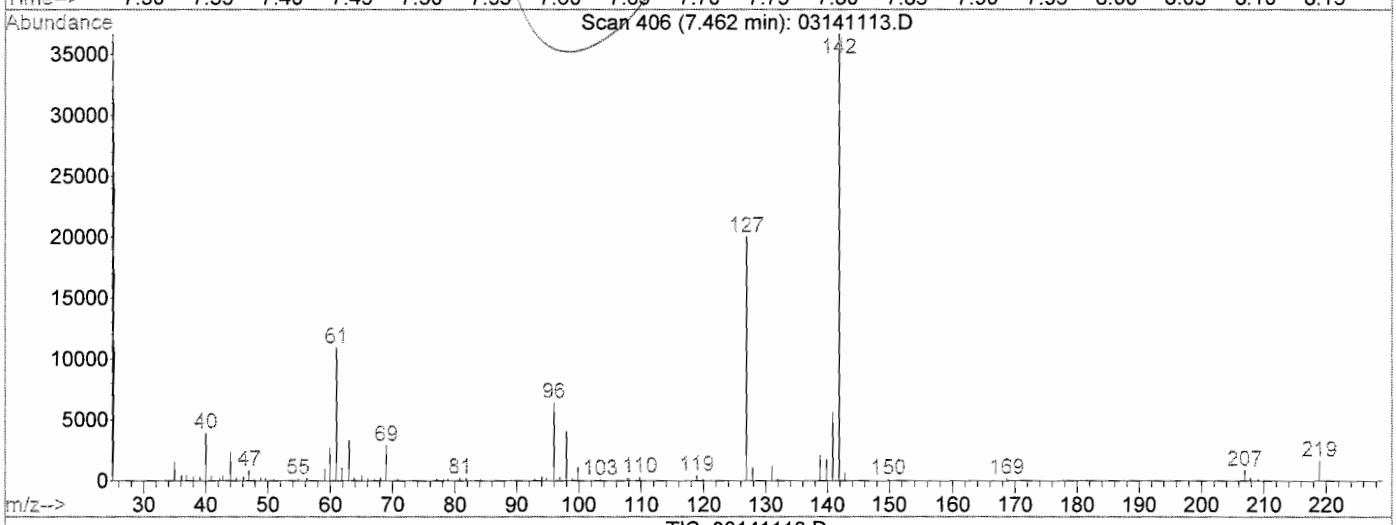


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D Vial: 10
Acq On : 14 Mar 2011 1:20 pm Operator: NL
Sample : 10 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:00 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





TIC: 03141113.D

(12) Iodomethane (T)

7.46min 6.95ug/L

response 122310

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	49.71
141.00	14.20	14.45
0.00	0.00	0.00

NL 3/15/11

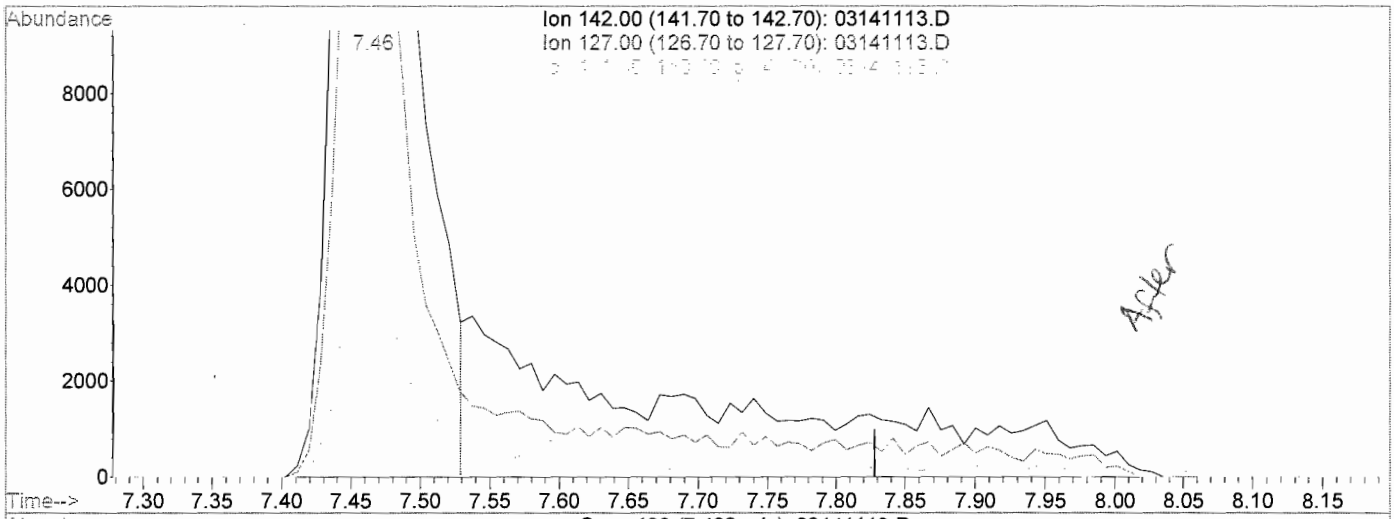
03141113.D 030211.M Mon Mar 14 16:01:50 2011

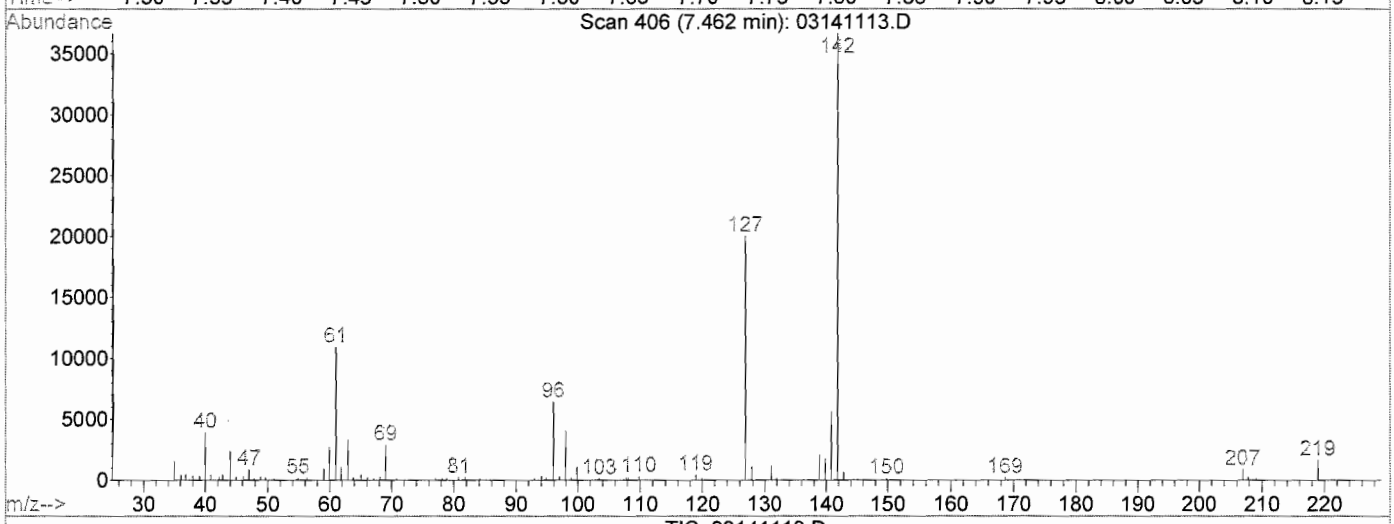
3/16/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D Vial: 10
Acq On : 14 Mar 2011 1:20 pm Operator: NL
Sample : 10 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:01 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





TIC: 03141113.D

(12) Iodomethane (T)

7.46min 6.14ug/L m

response 105588

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	57.59#
141.00	14.20	16.74
0.00	0.00	0.00

NL

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D Vial: 10
Acq On : 14 Mar 2011 1:20 pm Operator: NL
Sample : 10 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:01 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.31	65	121672	200.00	ug/L	0.00
4) Pentafluorobenzene	10.47	168	680553	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	990904	25.00	ug/L	-0.02
48) Chlorobenzene-d5	15.94	117	886454	25.00	ug/L	-0.03
61) 1,4-Dichlorobenzene-d4	19.40	152	498107	25.00	ug/L	-0.03
System Monitoring Compounds						
29) Dibromofluoromethane	9.97	113	387358	23.65	ug/L	0.00
Spiked Amount 25.000			Recovery = 94.60%			
46) Toluene-d8	13.98	98	1085476	25.38	ug/L	-0.02
Spiked Amount 25.000			Recovery = 101.52%			
60) 4-Bromofluorobenzene	17.62	95	506702	28.47	ug/L	-0.03
Spiked Amount 25.000			Recovery = 113.88%			

Target Compounds						Qvalue
2) Ethanol	5.91	45	4627	44.41	ug/L	81
3) tert-Butanol (TBA)	7.41	59	30667	34.20	ug/L	100
5) Dichlorodifluoromethane	4.47	85	254774	9.62	ug/L	98
6) Chloromethane	4.78	50	111149	4.70	ug/L	99
7) Vinyl chloride	5.07	62	149783	9.29	ug/L	99
8) Bromomethane	5.66	94	81773	5.02	ug/L	93
9) Chloroethane	5.87	64	127744	8.45	ug/L	97
10) Trichlorofluoromethane	6.68	101	320107	11.01	ug/L	99
11) Acetone	6.84	43	36973	10.20	ug/L	93
12) Iodomethane	7.46	142	105588m	6.14	ug/L	
13) 1,1-Dichloroethene	7.40	96	156175	9.61	ug/L	96
14) Methylene chloride	7.60	84	184639	9.37	ug/L	99
15) Freon 113	7.66	101	208108	10.73	ug/L	97
16) Carbon disulfide	7.93	76	409293	8.63	ug/L	95
17) trans-1,2-Dichloroethene	8.48	96	178040	9.96	ug/L	99
18) MTBE	8.62	73	327729	10.83	ug/L	97
19) 1,1-Dichloroethane	8.80	63	330736	9.57	ug/L	100
20) Vinyl acetate	8.96	43	138536	9.26	ug/L	97
21) n-Hexane	9.32	86	33121	8.88	ug/L	91
22) 2-Butanone (MEK)	9.36	72	8276	8.83	ug/L #	79
23) Diisopropylether (DIPE)	9.36	45	611543	9.93	ug/L	99
24) cis-1,2-dichloroethene	9.55	96	186765	9.68	ug/L	98
25) Bromochloromethane	9.75	128	65254	8.85	ug/L	93
26) Chloroform	9.82	83	355172	10.61	ug/L	99
27) 2,2-Dichloropropane	9.92	77	272023	10.52	ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	457480	10.59	ug/L	98
30) 1,2-Dichloroethane	10.66	62	224339	11.25	ug/L	96
31) 1,1,1-Trichloroethane	10.79	97	314611	11.72	ug/L	98
32) (TAME) tert-Amyl methy eth	11.50	73	323985	10.56	ug/L	97
34) 1,1-Dichloropropene	11.02	75	247344	11.57	ug/L	100
35) Carbon tetrachloride	11.27	117	261815	15.13	ug/L	98
36) Benzene	11.32	78	622055	10.73	ug/L	95
37) Dibromomethane	12.04	93	94003	11.46	ug/L	97
38) 1,2-Dichloropropane	12.09	63	157971	10.42	ug/L	85
39) Trichloroethene	12.14	95	189219	11.48	ug/L	98
40) Bromodichloromethane	12.20	83	247108	12.62	ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D Vial: 10
Acq On : 14 Mar 2011 1:20 pm Operator: NL
Sample : 10 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:01 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

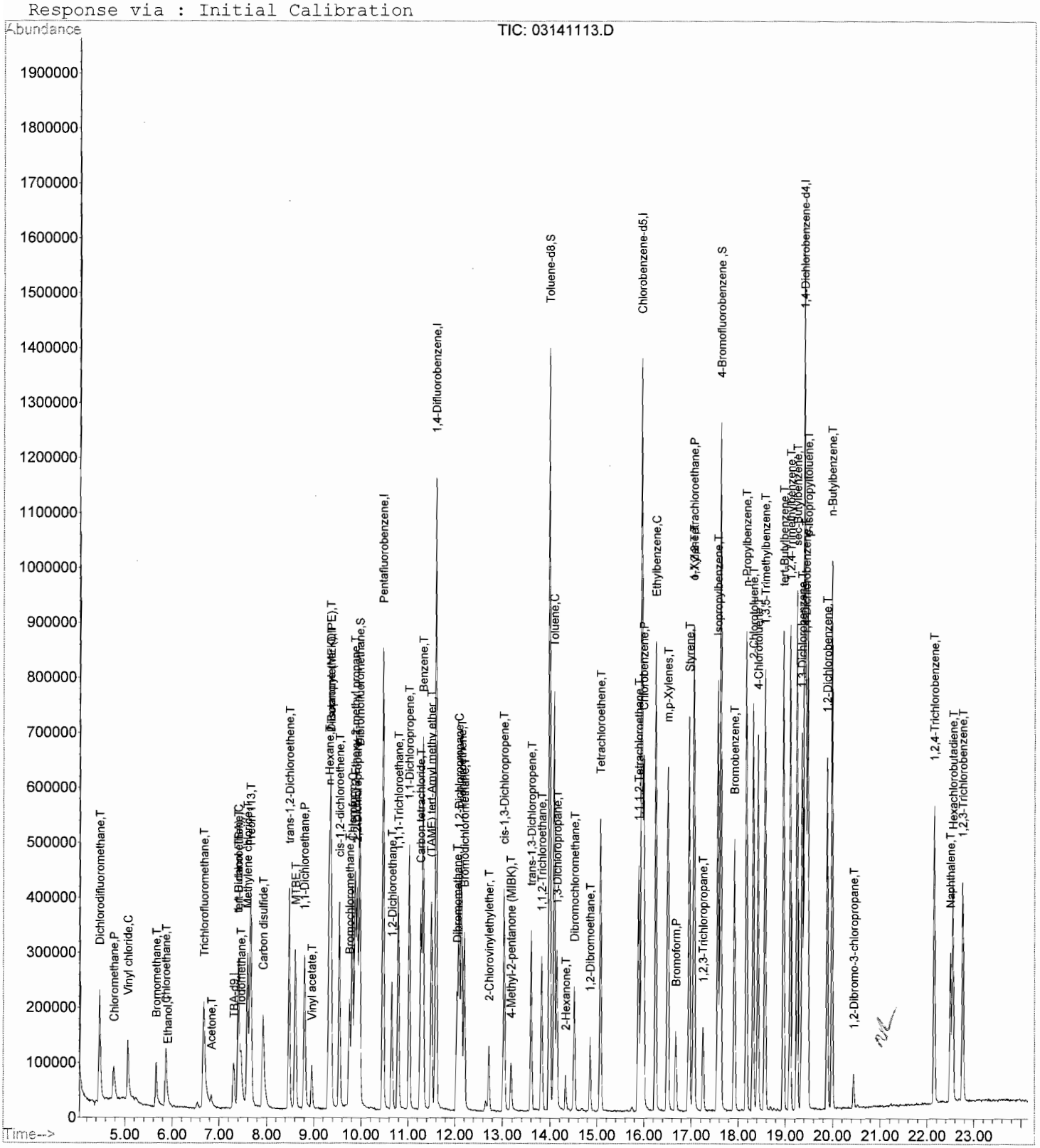
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
41)	2-Chlorovinylethylether	12.73	63	50002	11.14 ug/L		98
42)	cis-1,3-Dichloropropene	13.04	75	238711	11.38 ug/L		92
43)	4-Methyl-2-pentanone (MIBK	13.17	43	76397	10.00 ug/L		99
44)	trans-1,3-Dichloropropene	13.60	75	195861	11.80 ug/L		95
45)	1,1,2-Trichloroethane	13.82	97	103802	10.85 ug/L		95
47)	Toluene	14.09	92	375313	11.23 ug/L		99
49)	1,3-Dichloropropane	14.14	76	182860	10.10 ug/L		98
50)	2-Hexanone	14.33	43	54589	9.82 ug/L	#	95
51)	Dibromochloromethane	14.52	129	139580	11.71 ug/L		99
52)	1,2-Dibromoethane	14.85	107	108836	10.63 ug/L		96
53)	Tetrachloroethene	15.07	164	157099	11.29 ug/L		99
54)	1,1,1,2-Tetrachloroethane	15.88	131	149245	10.99 ug/L		98
55)	Chlorobenzene	15.99	112	405351	10.27 ug/L		98
56)	Ethylbenzene	16.25	91	746081	11.17 ug/L		99
57)	m,p-Xylenes	16.51	106	253576	10.41 ug/L		96
58)	Styrene	16.96	104	408768	11.28 ug/L		98
59)	o-Xylene	17.06	106	248748	10.54 ug/L		97
62)	Bromoform	16.68	173	86121	10.79 ug/L		100
63)	1,1,2,2-Tetrachloroethane	17.05	83	96091	8.69 ug/L	#	95
64)	1,2,3-Trichloropropane	17.25	110	27697	9.35 ug/L		98
65)	Isopropylbenzene	17.56	105	633243	10.06 ug/L		98
66)	Bromobenzene	17.92	156	172236	9.61 ug/L		98
67)	n-Propylbenzene	18.17	91	843092	10.02 ug/L		98
68)	2-Chlorotoluene	18.31	91	518833	9.81 ug/L		98
69)	4-Chlorotoluene	18.42	91	529134	10.04 ug/L		99
70)	1,3,5-Trimethylbenzene	18.57	105	573396	10.18 ug/L		97
71)	tert-Butylbenzene	18.96	119	476953	10.57 ug/L		96
72)	1,2,4-Trimethylbenzene	19.11	105	577391	10.29 ug/L		96
73)	sec-Butylbenzene	19.25	105	756258	10.31 ug/L		99
74)	1,3-Dichlorobenzene	19.35	146	314324	9.59 ug/L		99
75)	1,4-Dichlorobenzene	19.44	146	313167	9.72 ug/L		97
76)	p-Isopropyltoluene	19.48	119	589595	10.23 ug/L		97
77)	1,2-Dichlorobenzene	19.88	146	272160	9.53 ug/L		97
78)	n-Butylbenzene	19.98	91	601142	10.09 ug/L		99
79)	1,2-Dibromo-3-chloropropan	20.45	75	17017	9.14 ug/L		91
80)	1,2,4-Trichlorobenzene	22.15	180	221792	10.68 ug/L		98
81)	Naphthalene	22.50	128	266292	9.88 ug/L		99
82)	Hexachlorobutadiene	22.55	225	117030	10.80 ug/L		97
83)	1,2,3-Trichlorobenzene	22.76	180	177438	10.44 ug/L		99

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

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141113.D Vial: 10
Acq On : 14 Mar 2011 1:20 pm Operator: NL
Sample : 10 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:01 2011 Quant Results File: 030211.RES

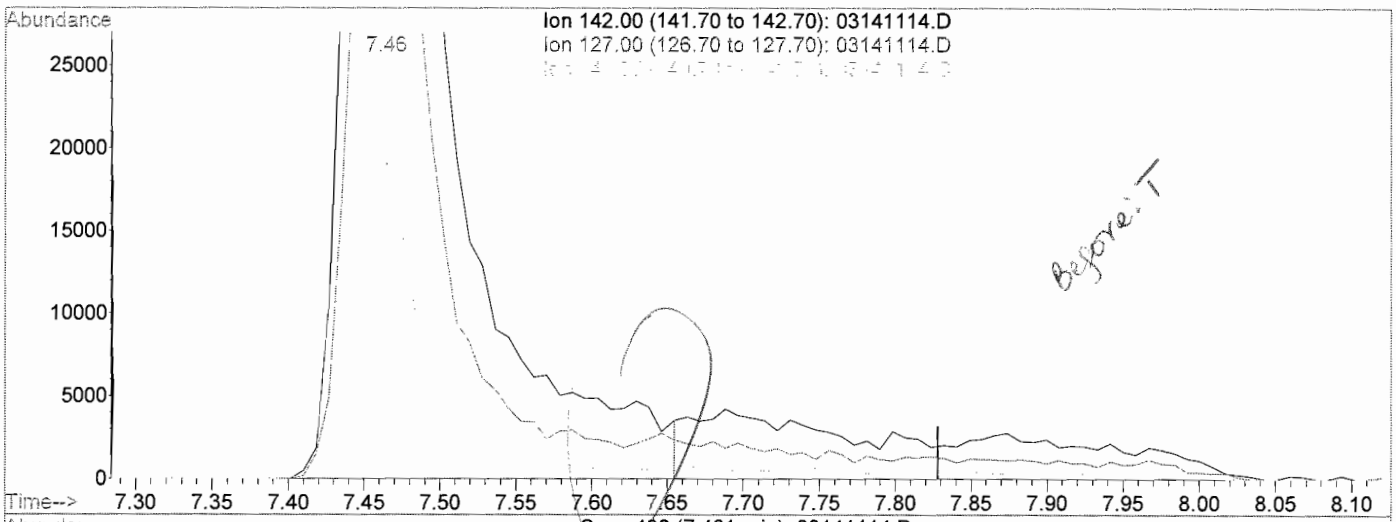
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration

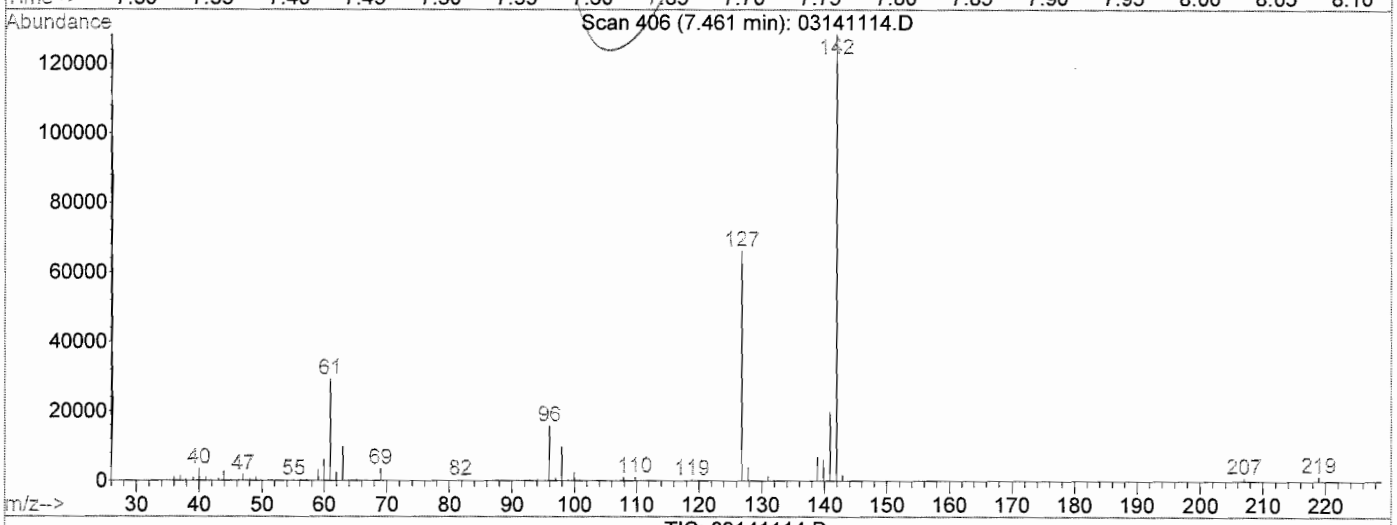


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:03 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





TIC: 03141114.D

(12) Iodomethane (T)

7.46min 20.26ug/L

response 407581

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	51.12
141.00	14.20	14.93
0.00	0.00	0.00

NL 3/15/11

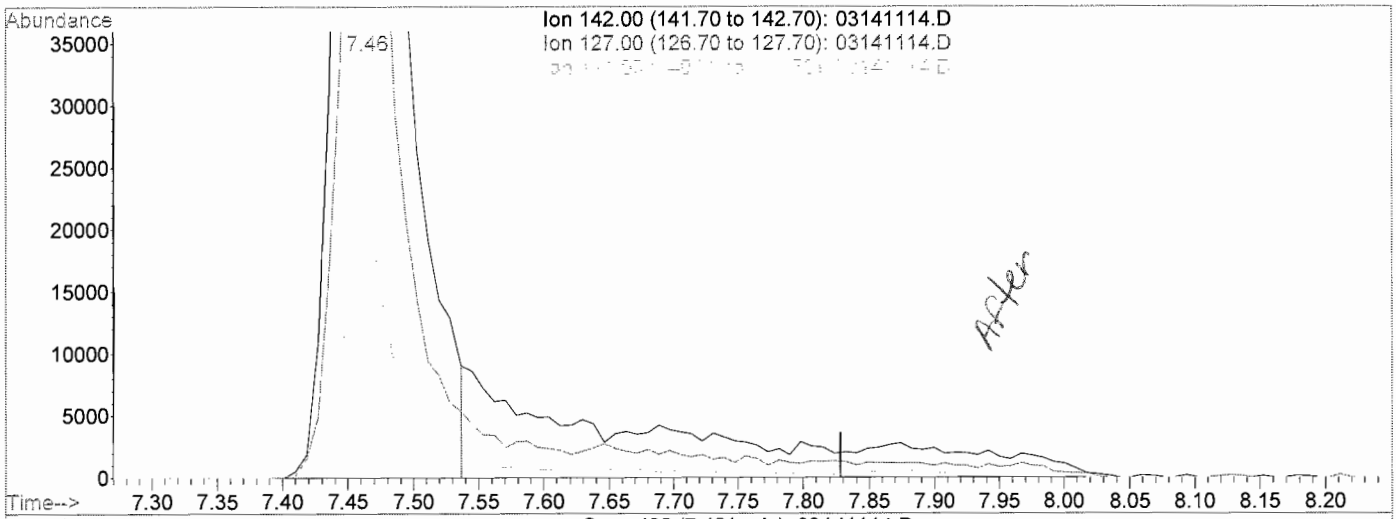
03141114.D 030211.M Mon Mar 14 16:03:37 2011

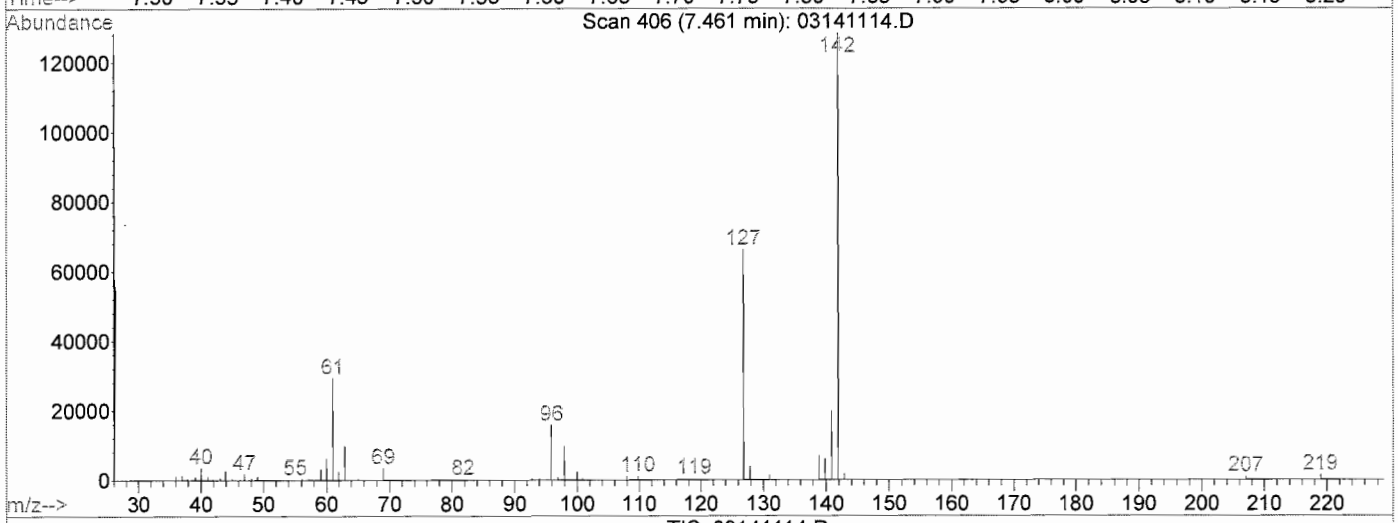
4/6/4

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:04 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(12) Iodomethane (T)

7.46min 18.54ug/L m

response 371161

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	56.13#
141.00	14.20	16.40
0.00	0.00	0.00

NL

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:04 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	125792	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	699455	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1014981	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	936018	25.00 ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.41	152	492554	25.00 ug/L	-0.02
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	404401	24.03 ug/L	0.00
Spiked Amount 25.000			Recovery =	96.12%	
46) Toluene-d8	13.99	98	1134687	25.90 ug/L	0.00
Spiked Amount 25.000			Recovery =	103.60%	
60) 4-Bromofluorobenzene	17.62	95	508378	27.05 ug/L	-0.03
Spiked Amount 25.000			Recovery =	108.20%	
Target Compounds					Qvalue
2) Ethanol	5.90	45	12783	118.68 ug/L	96
3) tert-Butanol (TBA)	7.42	59	75663	81.61 ug/L	96
5) Dichlorodifluoromethane	4.47	85	641544	23.58 ug/L	100
6) Chloromethane	4.78	50	312927	12.86 ug/L	98
7) Vinyl chloride	5.06	62	377531	22.77 ug/L	99
8) Bromomethane	5.66	94	293535	15.31 ug/L	94
9) Chloroethane	5.87	64	329027	21.17 ug/L	98
10) Trichlorofluoromethane	6.68	101	809245	27.08 ug/L	99
11) Acetone	6.83	43	75063	20.15 ug/L	96
12) Iodomethane	7.46	142	37116 m	18.54 ug/L	
13) 1,1-Dichloroethene	7.41	96	390447	23.38 ug/L	94
14) Methylene chloride	7.60	84	452050	22.32 ug/L	100
15) Freon 113	7.66	101	515908	25.89 ug/L	96
16) Carbon disulfide	7.92	76	1011118	21.09 ug/L	96
17) trans-1,2-Dichloroethene	8.48	96	437012	23.79 ug/L	99
18) MTBE	8.62	73	831849	26.75 ug/L	98
19) 1,1-Dichloroethane	8.81	63	834894	23.50 ug/L	99
20) Vinyl acetate	8.95	43	415505	27.02 ug/L	100
21) n-Hexane	9.33	86	84809	22.11 ug/L	89
22) 2-Butanone (MEK)	9.34	72	21512	22.34 ug/L #	87
23) Diisopropylether (DIPE)	9.36	45	1566191	24.75 ug/L	99
24) cis-1,2-dichloroethene	9.54	96	479600	24.19 ug/L	98
25) Bromochloromethane	9.76	128	170713	22.53 ug/L	90
26) Chloroform	9.81	83	878352	25.52 ug/L	99
27) 2,2-Dichloropropane	9.92	77	693793	26.10 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.87	59	1208030	27.22 ug/L	99
30) 1,2-Dichloroethane	10.66	62	568789	27.75 ug/L	96
31) 1,1,1-Trichloroethane	10.79	97	788548	28.57 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	842890	26.73 ug/L	97
34) 1,1-Dichloropropene	11.03	75	608213	27.76 ug/L	99
35) Carbon tetrachloride	11.27	117	656950	36.35 ug/L	99
36) Benzene	11.32	78	1508513	25.40 ug/L	96
37) Dibromomethane	12.05	93	233206	27.75 ug/L	95
38) 1,2-Dichloropropane	12.09	63	391394	25.21 ug/L #	83
39) Trichloroethene	12.14	95	480291	28.46 ug/L	97
40) Bromodichloromethane	12.20	83	613515	30.60 ug/L	100

(#) = qualifier out of range (m) = manual integration
03141114.D 030211.M Mon Mar 14 16:05:06 2011

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:04 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

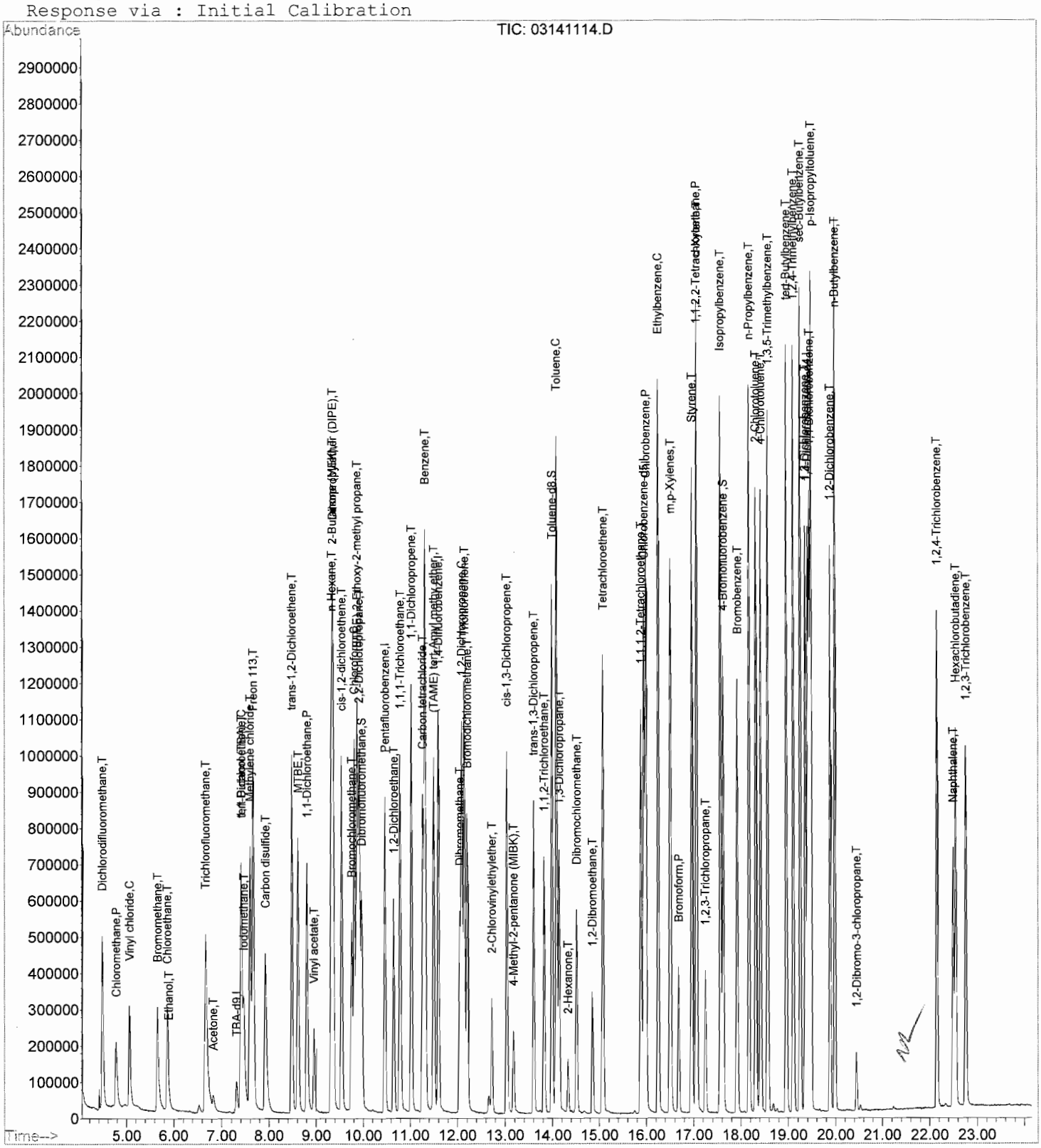
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41)	2-Chlorovinylethylether	12.73	63	137088	29.82 ug/L	96
42)	cis-1,3-Dichloropropene	13.04	75	607840	28.28 ug/L	93
43)	4-Methyl-2-pentanone (MIBK	13.17	43	203600	26.03 ug/L	96
44)	trans-1,3-Dichloropropene	13.60	75	511251	30.06 ug/L	96
45)	1,1,2-Trichloroethane	13.82	97	262319	26.77 ug/L	94
47)	Toluene	14.08	92	933074	27.27 ug/L	99
49)	1,3-Dichloropropane	14.14	76	441640	23.11 ug/L	98
50)	2-Hexanone	14.33	43	131540	22.41 ug/L	98
51)	Dibromochloromethane	14.52	129	360432	28.63 ug/L	100
52)	1,2-Dibromoethane	14.85	107	270589	25.03 ug/L	97
53)	Tetrachloroethene	15.08	164	379594	25.83 ug/L	99
54)	1,1,1,2-Tetrachloroethane	15.88	131	376298	26.23 ug/L	98
55)	Chlorobenzene	15.99	112	1006476	24.15 ug/L	99
56)	Ethylbenzene	16.24	91	1857231	26.33 ug/L	99
57)	m,p-Xylenes	16.51	106	628744	24.45 ug/L	95
58)	Styrene	16.96	104	1001976	26.18 ug/L	98
59)	o-Xylene	17.06	106	605795	24.30 ug/L	95
62)	Bromoform	16.68	173	233549	29.58 ug/L	98
63)	1,1,2,2-Tetrachloroethane	17.05	83	245970	22.48 ug/L	98
64)	1,2,3-Trichloropropane	17.25	110	70464	24.06 ug/L	96
65)	Isopropylbenzene	17.56	105	1606150	25.80 ug/L	98
66)	Bromobenzene	17.92	156	438696	24.76 ug/L	98
67)	n-Propylbenzene	18.17	91	2037149	24.48 ug/L	99
68)	2-Chlorotoluene	18.31	91	1271930	24.32 ug/L	98
69)	4-Chlorotoluene	18.42	91	1278020	24.52 ug/L	99
70)	1,3,5-Trimethylbenzene	18.57	105	1397804	25.08 ug/L	95
71)	tert-Butylbenzene	18.96	119	1141649	25.58 ug/L	97
72)	1,2,4-Trimethylbenzene	19.11	105	1421815	25.62 ug/L	96
73)	sec-Butylbenzene	19.25	105	1824073	25.14 ug/L	100
74)	1,3-Dichlorobenzene	19.36	146	756893	23.35 ug/L	98
75)	1,4-Dichlorobenzene	19.44	146	756886	23.75 ug/L	98
76)	p-Isopropyltoluene	19.48	119	1459478	25.61 ug/L	97
77)	1,2-Dichlorobenzene	19.88	146	683579	24.20 ug/L	99
78)	n-Butylbenzene	19.98	91	1484636	25.19 ug/L	99
79)	1,2-Dibromo-3-chloropropan	20.45	75	41975	22.80 ug/L	99
80)	1,2,4-Trichlorobenzene	22.15	180	566108	27.58 ug/L	100
81)	Naphthalene	22.50	128	700850	26.30 ug/L	100
82)	Hexachlorobutadiene	22.55	225	304001	28.38 ug/L	99
83)	1,2,3-Trichlorobenzene	22.77	180	451962	26.89 ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141114.D Vial: 11
Acq On : 14 Mar 2011 1:53 pm Operator: NL
Sample : 25 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:04 2011 Quant Results File: 030211.RES

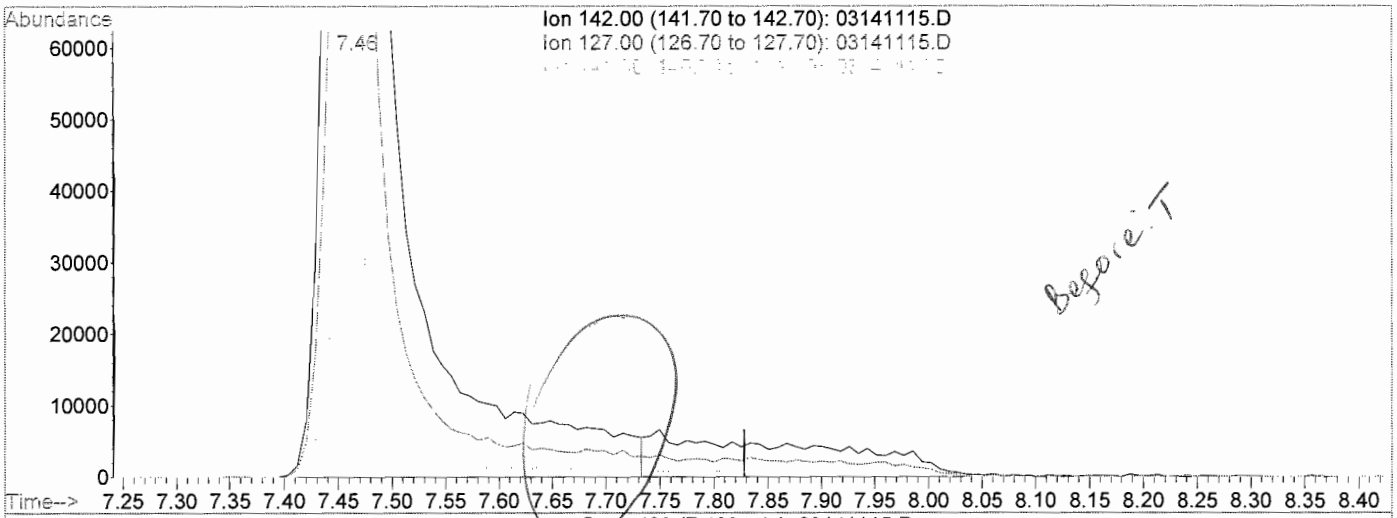
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration

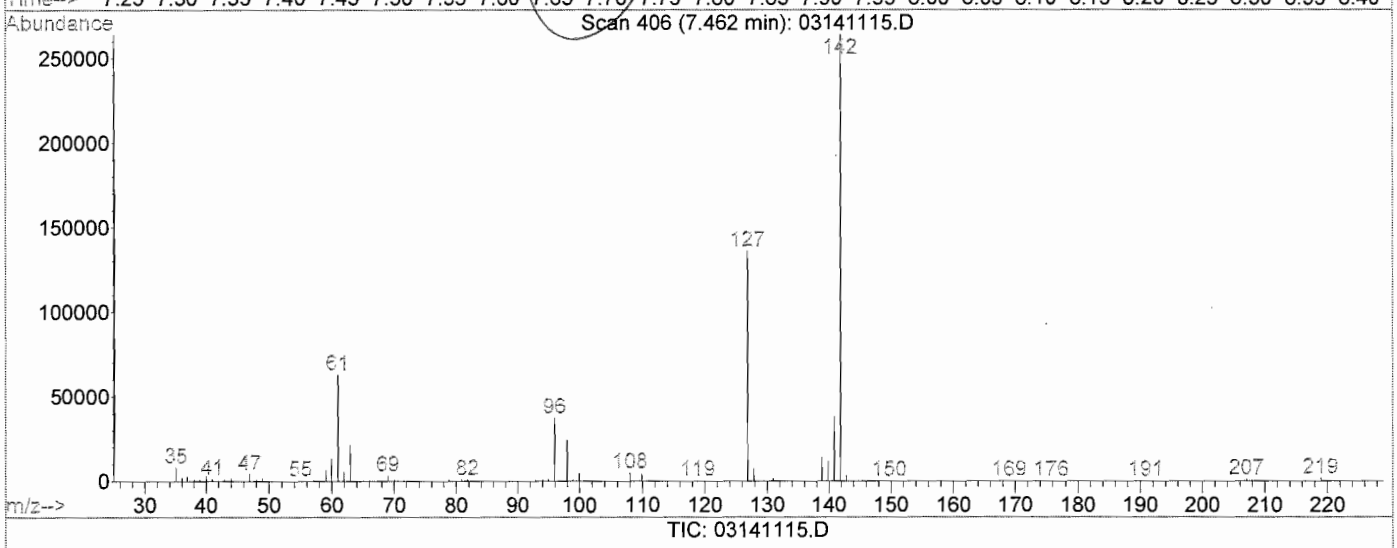


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:05 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(12) Iodomethane (T)

7.46min 43.72ug/L

response 867752

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	50.14
141.00	14.20	13.72
0.00	0.00	0.00

NL 3/15/11

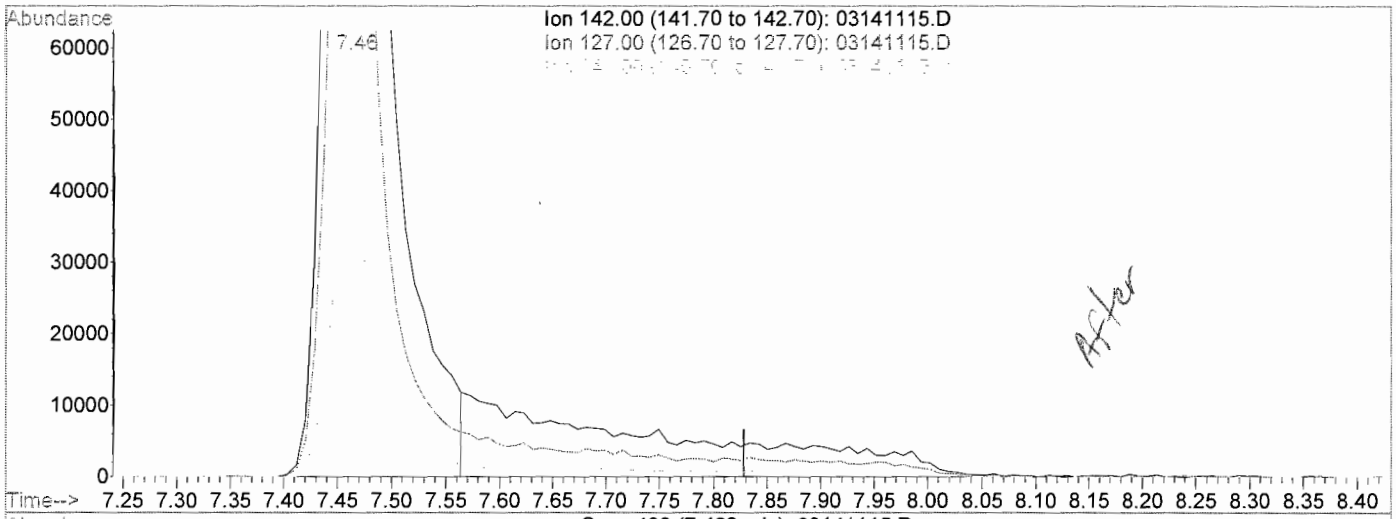
03141115.D 030211.M Mon Mar 14 16:05:30 2011

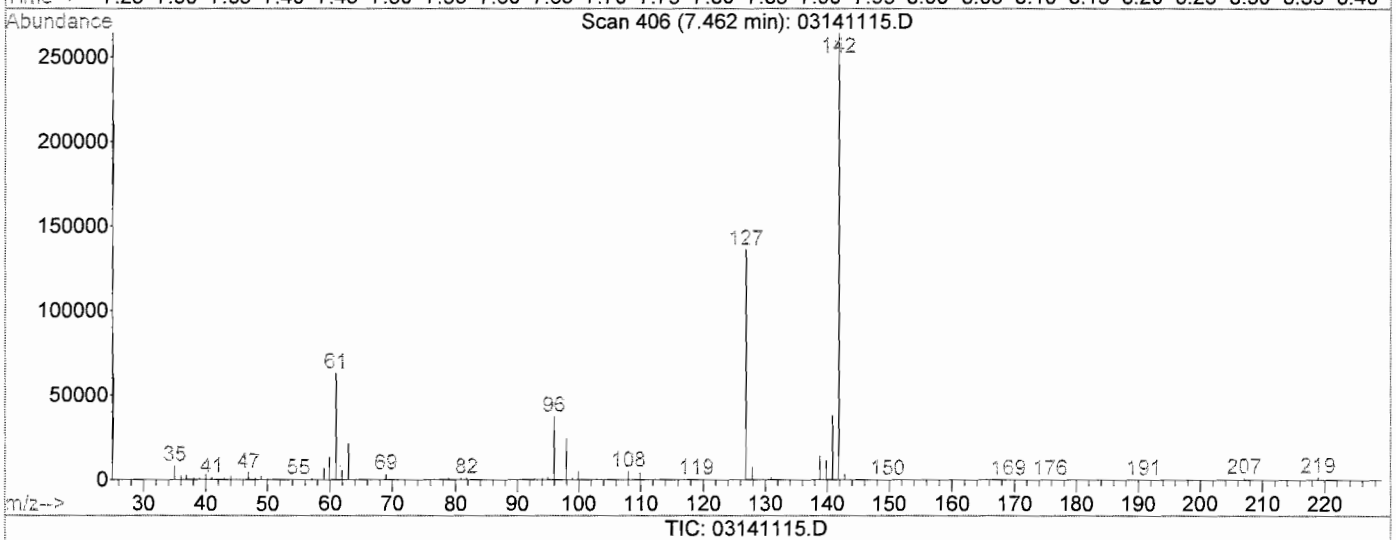
NL 4/16/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:05 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





TIC: 03141115.D

(12) Iodomethane (T)

7.46min 39.84ug/L m

response 788912

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	55.15#
141.00	14.20	15.09
0.00	0.00	0.00

NL

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:05 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.31	65	129547	200.00	ug/L	0.00
4) Pentafluorobenzene	10.47	168	670991	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	997408	25.00	ug/L	-0.02
48) Chlorobenzene-d5	15.95	117	901010	25.00	ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.41	152	492423	25.00	ug/L	-0.02
System Monitoring Compounds						
29) Dibromofluoromethane	9.97	113	393722	24.39	ug/L	0.00
Spiked Amount 25.000			Recovery	=	97.56%	
46) Toluene-d8	13.99	98	1093905	25.41	ug/L	-0.02
Spiked Amount 25.000			Recovery	=	101.64%	
60) 4-Bromofluorobenzene	17.62	95	493360	27.27	ug/L	-0.02
Spiked Amount 25.000			Recovery	=	109.08%	
Target Compounds						Qvalue
2) Ethanol	5.90	45	28140	253.68	ug/L	90
3) tert-Butanol (TBA)	7.41	59	168991	176.99	ug/L	98
5) Dichlorodifluoromethane	4.48	85	1268670	48.60	ug/L	100
6) Chloromethane	4.77	50	648190	27.77	ug/L	97
7) Vinyl chloride	5.06	62	751169	47.23	ug/L	100
8) Bromomethane	5.66	94	677359	35.56	ug/L	100
9) Chloroethane	5.87	64	623605	41.83	ug/L	97
10) Trichlorofluoromethane	6.68	101	1569660	54.75	ug/L	99
11) Acetone	6.83	43	161282	45.14	ug/L	94
12) Iodomethane	7.46	142	788912m	39.84	ug/L	
13) 1,1-Dichloroethene	7.40	96	776665	48.48	ug/L	96
14) Methylene chloride	7.60	84	878981	45.24	ug/L	100
15) Freon 113	7.66	101	1003135	52.48	ug/L	97
16) Carbon disulfide	7.93	76	1987367	43.47	ug/L	96
17) trans-1,2-Dichloroethene	8.48	96	870839	49.42	ug/L	98
18) MTBE	8.62	73	1655128	55.47	ug/L	97
19) 1,1-Dichloroethane	8.80	63	1598093	46.89	ug/L	99
20) Vinyl acetate	8.96	43	807302	54.72	ug/L	99
21) n-Hexane	9.33	86	160622	43.66	ug/L	93
22) 2-Butanone (MEK)	9.34	72	42923	46.47	ug/L #	100
23) Diisopropylether (DIPE)	9.36	45	3035894	50.02	ug/L	98
24) cis-1,2-dichloroethene	9.55	96	919113	48.32	ug/L	98
25) Bromochloromethane	9.76	128	330831	45.51	ug/L	89
26) Chloroform	9.82	83	1706643	51.69	ug/L	97
27) 2,2-Dichloropropane	9.92	77	1333015	52.27	ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	2371842	55.71	ug/L	97
30) 1,2-Dichloroethane	10.66	62	1113207	56.61	ug/L	96
31) 1,1,1-Trichloroethane	10.80	97	1562600	59.02	ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	1664448	55.02	ug/L	98
34) 1,1-Dichloropropene	11.03	75	1190399	55.30	ug/L	99
35) Carbon tetrachloride	11.27	117	1325694	74.14	ug/L	99
36) Benzene	11.32	78	3016498	51.69	ug/L	95
37) Dibromomethane	12.04	93	455004	55.09	ug/L	95
38) 1,2-Dichloropropane	12.09	63	756947	49.61	ug/L	85
39) Trichloroethene	12.15	95	914194	55.12	ug/L	98
40) Bromodichloromethane	12.20	83	1230941	62.48	ug/L	99

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:05 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

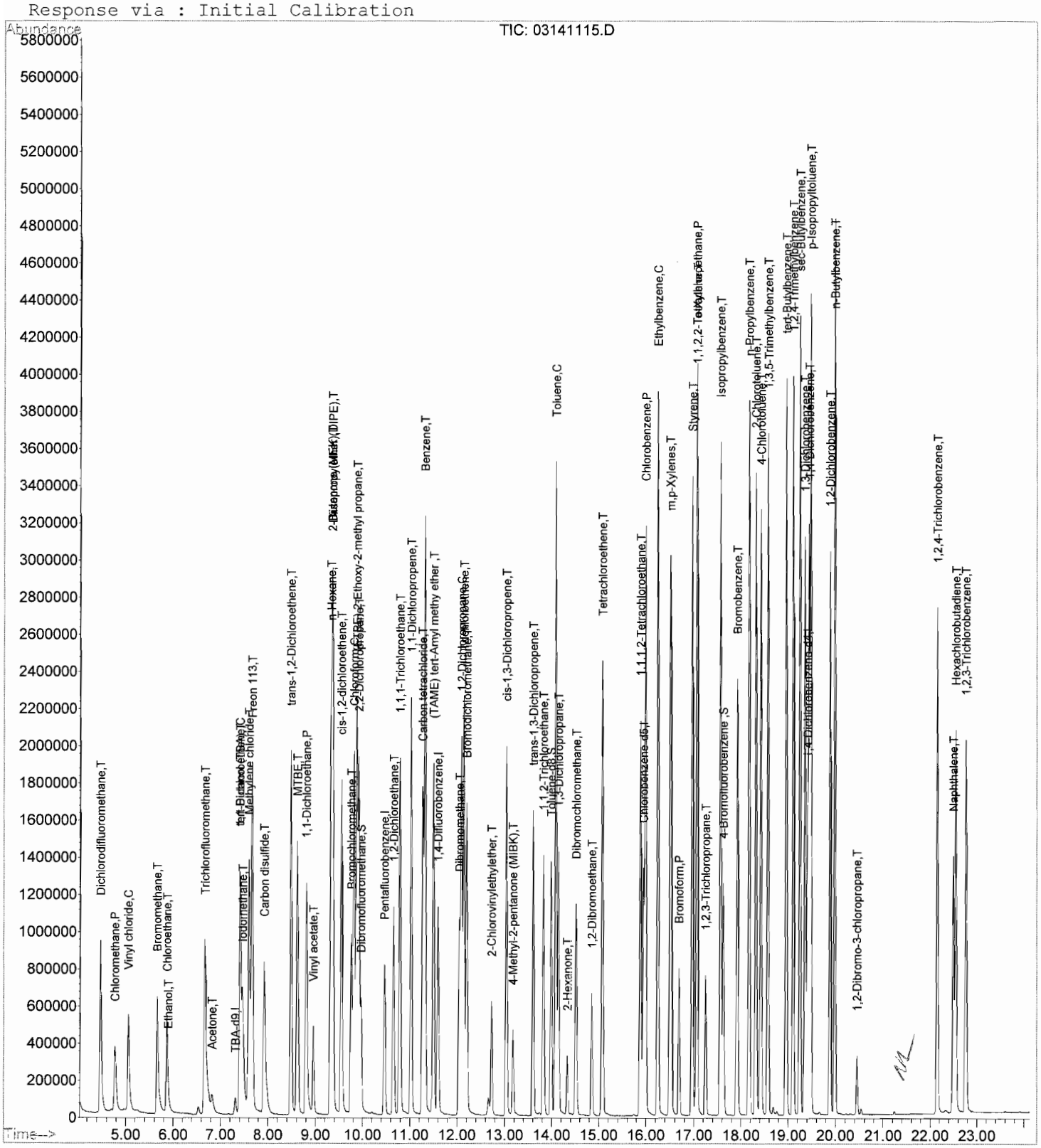
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
41)	2-Chlorovinylethylether	12.73	63	266778	59.06 ug/L	97
42)	cis-1,3-Dichloropropene	13.04	75	1185095	56.11 ug/L	92
43)	4-Methyl-2-pentanone (MIBK	13.18	43	398644	51.85 ug/L	98
44)	trans-1,3-Dichloropropene	13.61	75	1001184	59.90 ug/L	96
45)	1,1,2-Trichloroethane	13.82	97	514332	53.42 ug/L	95
47)	Toluene	14.09	92	1779817	52.93 ug/L	100
49)	1,3-Dichloropropane	14.15	76	852950	46.36 ug/L	99
50)	2-Hexanone	14.33	43	268872	47.58 ug/L	98
51)	Dibromochloromethane	14.52	129	714956	59.00 ug/L	100
52)	1,2-Dibromoethane	14.85	107	529074	50.85 ug/L	99
53)	Tetrachloroethene	15.08	164	745600	52.70 ug/L	99
54)	1,1,1,2-Tetrachloroethane	15.88	131	735432	53.26 ug/L	97
55)	Chlorobenzene	15.99	112	1983395	49.43 ug/L	100
56)	Ethylbenzene	16.25	91	3510837	51.70 ug/L	99
57)	m,p-Xylenes	16.51	106	1231716	49.76 ug/L	96
58)	Styrene	16.96	104	1956092	53.10 ug/L	98
59)	o-Xylene	17.07	106	1115033	46.47 ug/L	97
62)	Bromoform	16.69	173	463856	58.76 ug/L	100
63)	1,1,2,2-Tetrachloroethane	17.05	83	450936	41.23 ug/L	98
64)	1,2,3-Trichloropropane	17.25	110	136352	46.56 ug/L	96
65)	Isopropylbenzene	17.56	105	3017352	48.49 ug/L	98
66)	Bromobenzene	17.93	156	844066	47.64 ug/L	97
67)	n-Propylbenzene	18.17	91	3910942	47.01 ug/L	100
68)	2-Chlorotoluene	18.31	91	2486284	47.55 ug/L	98
69)	4-Chlorotoluene	18.42	91	2464331	47.30 ug/L	100
70)	1,3,5-Trimethylbenzene	18.58	105	2698442	48.44 ug/L	96
71)	tert-Butylbenzene	18.96	119	2181767	48.90 ug/L	97
72)	1,2,4-Trimethylbenzene	19.11	105	2665132	48.03 ug/L	96
73)	sec-Butylbenzene	19.25	105	3448685	47.54 ug/L	100
74)	1,3-Dichlorobenzene	19.36	146	1457934	44.99 ug/L	98
75)	1,4-Dichlorobenzene	19.44	146	1453388	45.62 ug/L	99
76)	p-Isopropyltoluene	19.48	119	2797988	49.11 ug/L	97
77)	1,2-Dichlorobenzene	19.88	146	1316655	46.63 ug/L	99
78)	n-Butylbenzene	19.98	91	2914423	49.46 ug/L	99
79)	1,2-Dibromo-3-chloropropan	20.45	75	85744	46.60 ug/L	97
80)	1,2,4-Trichlorobenzene	22.15	180	1130857	55.11 ug/L	99
81)	Naphthalene	22.50	128	1372583	51.53 ug/L	98
82)	Hexachlorobutadiene	22.55	225	587184	54.83 ug/L	98
83)	1,2,3-Trichlorobenzene	22.77	180	898332	53.46 ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141115.D Vial: 12
Acq On : 14 Mar 2011 2:25 pm Operator: NL
Sample : 50 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:05 2011 Quant Results File: 030211.RES

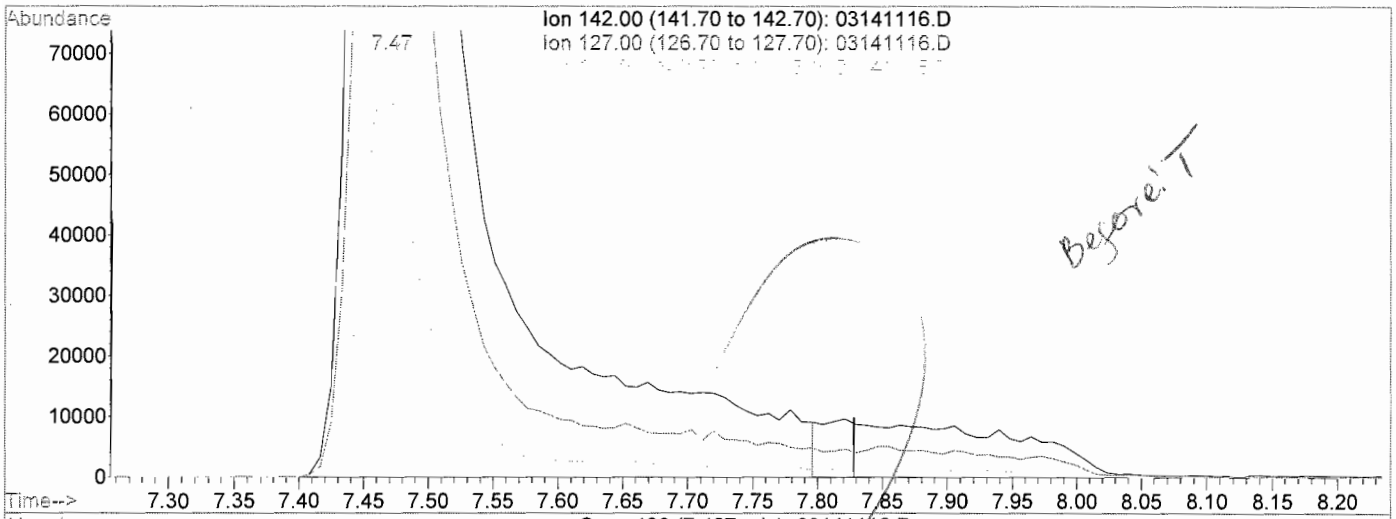
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration

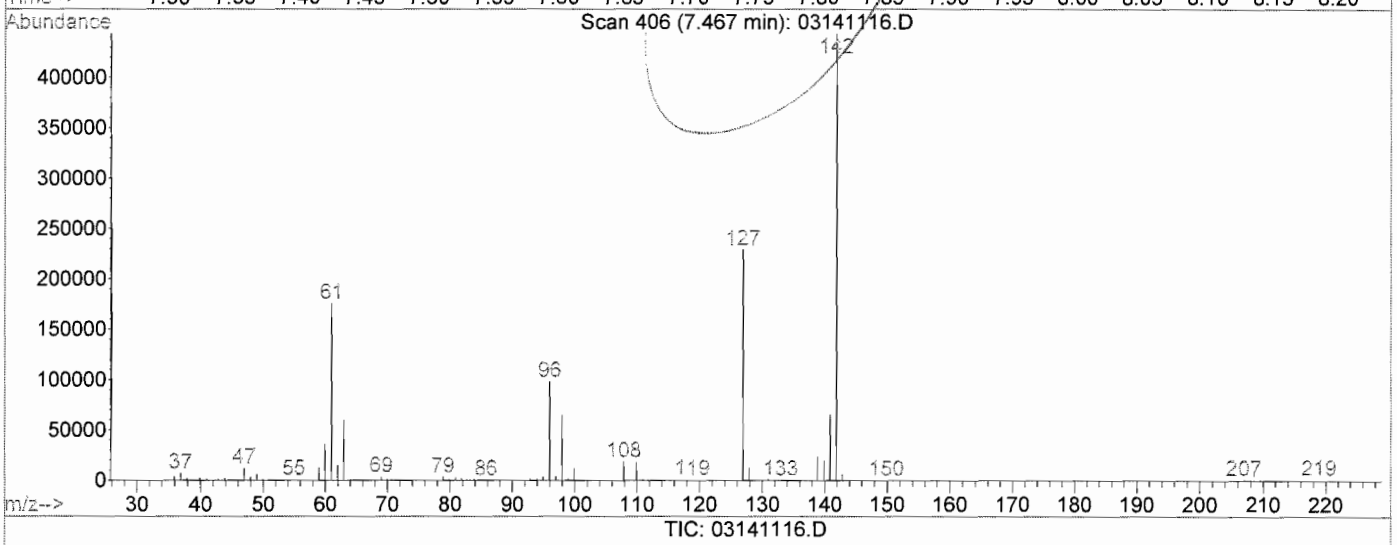


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:06 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





TIC: 03141116.D

(12) Iodomethane (T)

7.47min 80.82ug/L

response 1676242

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	50.57
141.00	14.20	14.67
0.00	0.00	0.00

NL 3/15/11

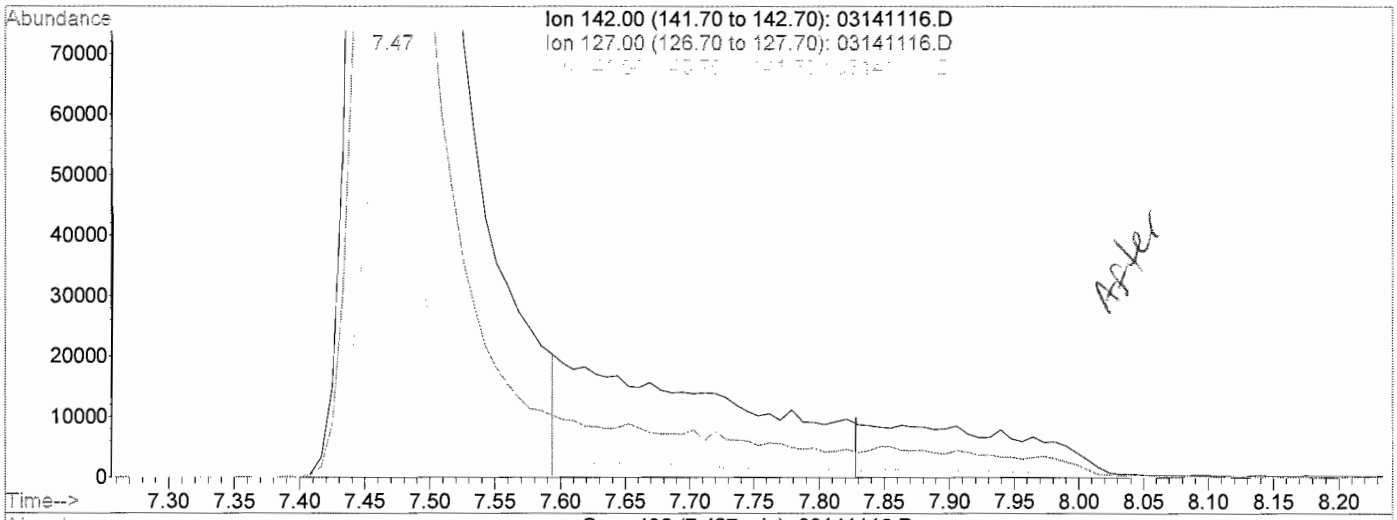
03141116.D 030211.M Mon Mar 14 16:06:39 2011

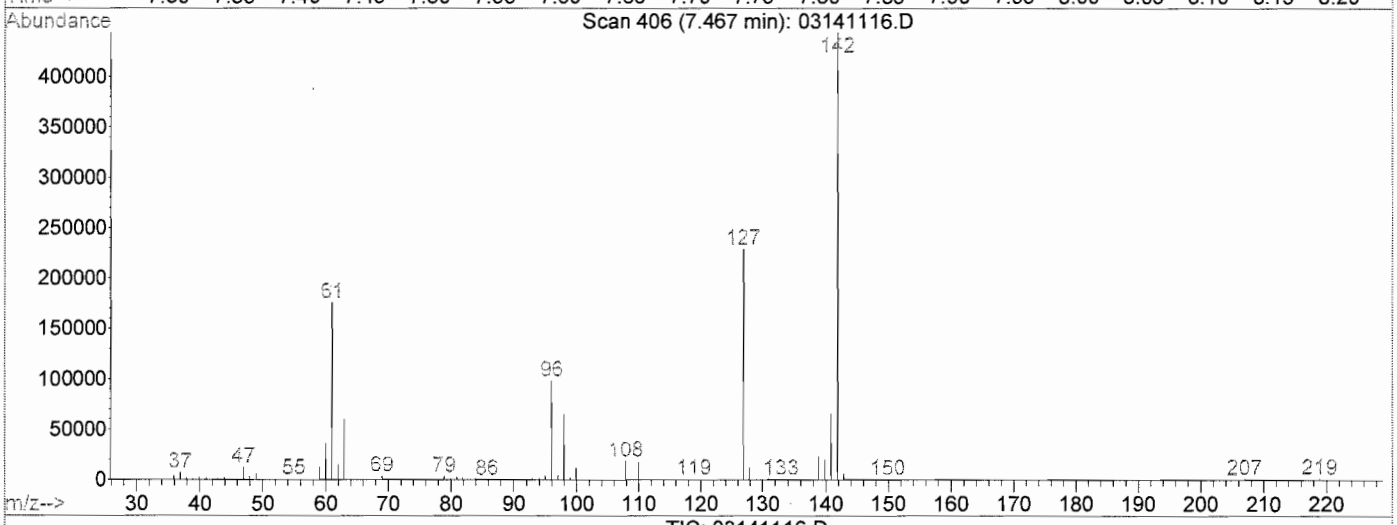
4/16/1

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:06 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(12) Iodomethane (T)

7.47min 72.86ug/L m

response 1508939

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	56.17#
141.00	14.20	16.30
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:06 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.31	65	113794	200.00 ug/L	0.00
4) Pentafluorobenzene	10.48	168	693519	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1026382	25.00 ug/L	-0.01
48) Chlorobenzene-d5	15.95	117	955378	25.00 ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.41	152	487259	25.00 ug/L	-0.02
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	404725	24.25 ug/L	0.00
Spiked Amount 25.000			Recovery =	97.00%	
46) Toluene-d8	13.99	98	1139190	25.71 ug/L	-0.01
Spiked Amount 25.000			Recovery =	102.84%	
60) 4-Bromofluorobenzene	17.63	95	485891	25.33 ug/L	-0.02
Spiked Amount 25.000			Recovery =	101.32%	

Target Compounds					Qvalue
2) Ethanol	5.91	45	46236	474.52 ug/L	97
3) tert-Butanol (TBA)	7.42	59	300094	357.81 ug/L	96
5) Dichlorodifluoromethane	4.48	85	2554129	94.67 ug/L	100
6) Chloromethane	4.77	50	1645801	68.23 ug/L	99
7) Vinyl chloride	5.05	62	1581189	96.19 ug/L	99
8) Bromomethane	5.66	94	1536604	76.97 ug/L	98
9) Chloroethane	5.87	64	1202091	78.01 ug/L	97
10) Trichlorofluoromethane	6.68	101	3224844	108.83 ug/L	100
11) Acetone	6.83	43	314036	85.04 ug/L	95
12) Iodomethane	7.47	142	1508939m	72.86 ug/L	
13) 1,1-Dichloroethene	7.42	96	1609439	97.21 ug/L	96
14) Methylene chloride	7.60	84	1776246	88.46 ug/L	100
15) Freon 113	7.67	101	2074880	105.02 ug/L	96
16) Carbon disulfide	7.93	76	4261670	90.44 ug/L	97
17) trans-1,2-Dichloroethene	8.49	96	1781041	97.79 ug/L	98
18) MTBE	8.62	73	3371583	109.33 ug/L	98
19) 1,1-Dichloroethane	8.81	63	3338609	94.77 ug/L	99
20) Vinyl acetate	8.96	43	1672603	109.68 ug/L	100
21) n-Hexane	9.33	86	320247	84.22 ug/L	94
22) 2-Butanone (MEK)	9.35	72	84260	88.26 ug/L #	97
23) Diisopropylether (DIPE)	9.37	45	5833936	92.99 ug/L	99
24) cis-1,2-dichloroethene	9.55	96	1915971	97.45 ug/L	98
25) Bromochloromethane	9.76	128	695057	92.51 ug/L	88
26) Chloroform	9.82	83	3490527	102.29 ug/L	97
27) 2,2-Dichloropropane	9.92	77	2752255	104.42 ug/L	99
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	4704788	106.92 ug/L	97
30) 1,2-Dichloroethane	10.66	62	2288489	112.60 ug/L	96
31) 1,1,1-Trichloroethane	10.79	97	3196019	116.80 ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	3339084	106.79 ug/L	97
34) 1,1-Dichloropropene	11.03	75	2483128	112.10 ug/L	100
35) Carbon tetrachloride	11.27	117	2708678	146.72 ug/L	99
36) Benzene	11.32	78	6052292	100.79 ug/L	95
37) Dibromomethane	12.05	93	912847	107.41 ug/L	94
38) 1,2-Dichloropropane	12.09	63	1518990	96.74 ug/L	86
39) Trichloroethene	12.15	95	1886393	110.54 ug/L	98
40) Bromodichloromethane	12.21	83	2439967	120.35 ug/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:06 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

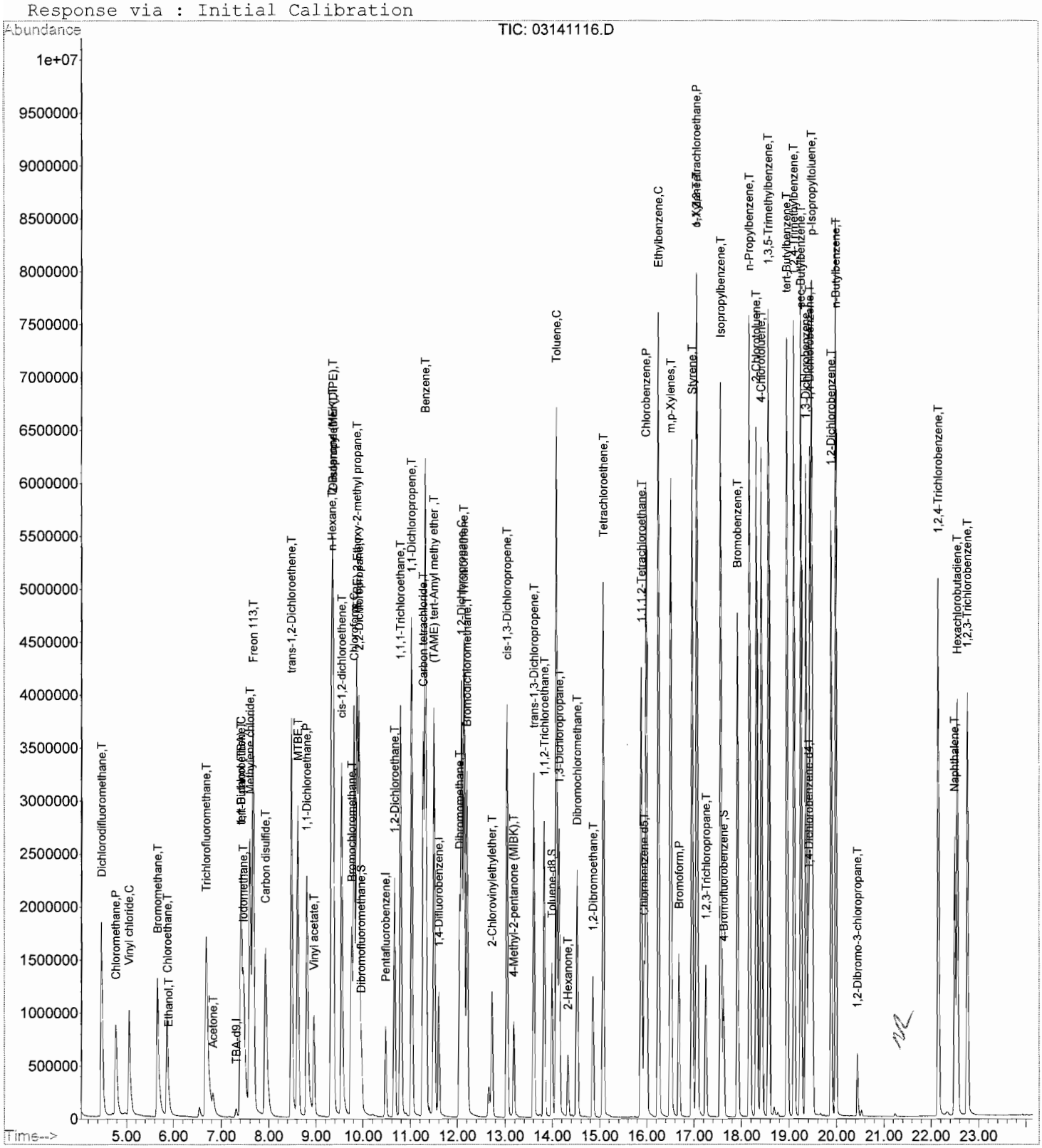
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
41)	2-Chlorovinylethylether	12.73	63	540136	116.20	ug/L	97
42)	cis-1,3-Dichloropropene	13.04	75	2422907	111.48	ug/L	93
43)	4-Methyl-2-pentanone (MIBK	13.18	43	790515	99.92	ug/L	97
44)	trans-1,3-Dichloropropene	13.61	75	2038801	118.54	ug/L	96
45)	1,1,2-Trichloroethane	13.83	97	1058683	106.85	ug/L	96
47)	Toluene	14.09	92	3515619	101.60	ug/L	98
49)	1,3-Dichloropropane	14.15	76	1708221	87.57	ug/L	100
50)	2-Hexanone	14.33	43	518728	86.57	ug/L	98
51)	Dibromochloromethane	14.52	129	1459234	113.57	ug/L	100
52)	1,2-Dibromoethane	14.86	107	1082579	98.13	ug/L	99
53)	Tetrachloroethene	15.08	164	1519487	101.29	ug/L	99
54)	1,1,1,2-Tetrachloroethane	15.89	131	1512845	103.33	ug/L	97
55)	Chlorobenzene	16.00	112	3917483	92.08	ug/L	100
56)	Ethylbenzene	16.25	91	6837089	94.95	ug/L	100
57)	m,p-Xylenes	16.51	106	2462109	93.80	ug/L	97
58)	Styrene	16.97	104	3789547	97.01	ug/L	97
59)	o-Xylene	17.07	106	2256874	88.70	ug/L	98
62)	Bromoform	16.69	173	944244	120.88	ug/L	100
63)	1,1,2,2-Tetrachloroethane	17.05	83	873846	80.75	ug/L	98
64)	1,2,3-Trichloropropane	17.26	110	274845	94.85	ug/L	98
65)	Isopropylbenzene	17.57	105	5973801	97.02	ug/L	99
66)	Bromobenzene	17.92	156	1680625	95.87	ug/L	96
67)	n-Propylbenzene	18.17	91	7541537	91.61	ug/L	99
68)	2-Chlorotoluene	18.32	91	4706461	90.96	ug/L	98
69)	4-Chlorotoluene	18.42	91	4886222	94.78	ug/L	100
70)	1,3,5-Trimethylbenzene	18.57	105	5395308	97.87	ug/L	98
71)	tert-Butylbenzene	18.97	119	4264845	96.60	ug/L	97
72)	1,2,4-Trimethylbenzene	19.11	105	5218841	95.05	ug/L	97
73)	sec-Butylbenzene	19.25	105	6660721	92.80	ug/L	100
74)	1,3-Dichlorobenzene	19.36	146	2835322	88.43	ug/L	98
75)	1,4-Dichlorobenzene	19.44	146	2796075	88.70	ug/L	99
76)	p-Isopropyltoluene	19.48	119	5291995	93.88	ug/L	97
77)	1,2-Dichlorobenzene	19.89	146	2559332	91.60	ug/L	99
78)	n-Butylbenzene	19.99	91	5507303	94.45	ug/L	99
79)	1,2-Dibromo-3-chloropropan	20.44	75	161576	88.74	ug/L	100
80)	1,2,4-Trichlorobenzene	22.16	180	2217200	109.19	ug/L	99
81)	Naphthalene	22.50	128	2569603	97.49	ug/L	99
82)	Hexachlorobutadiene	22.55	225	1189477	112.25	ug/L	100
83)	1,2,3-Trichlorobenzene	22.77	180	1773297	106.65	ug/L	99

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

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141116.D Vial: 13
Acq On : 14 Mar 2011 2:57 pm Operator: NL
Sample : 100 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:06 2011 Quant Results File: 030211.RES

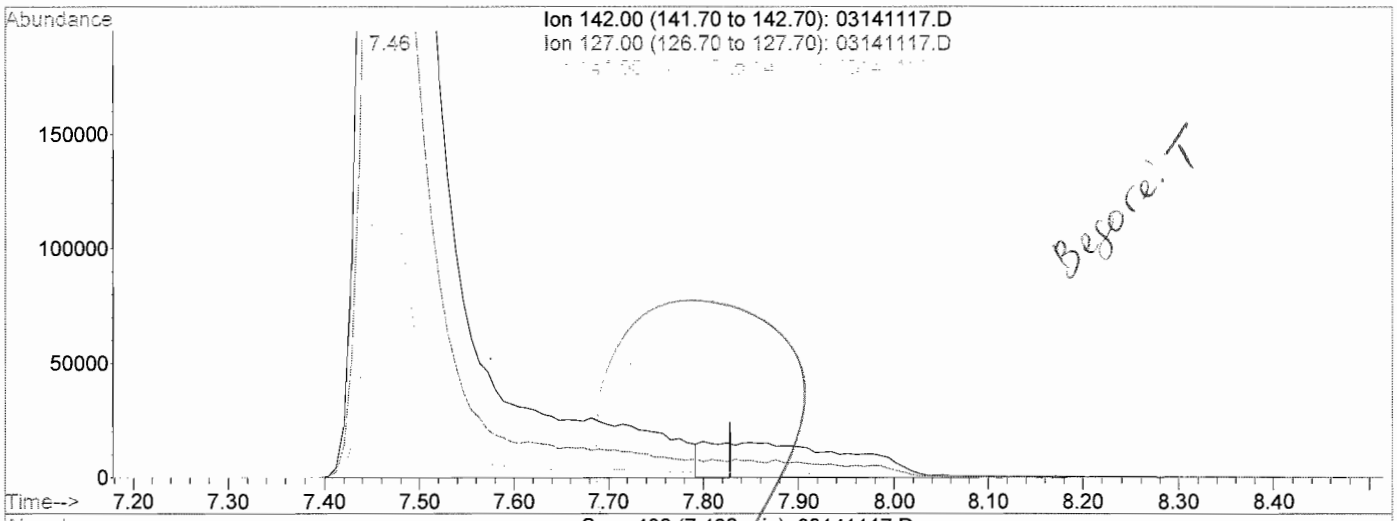
Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration

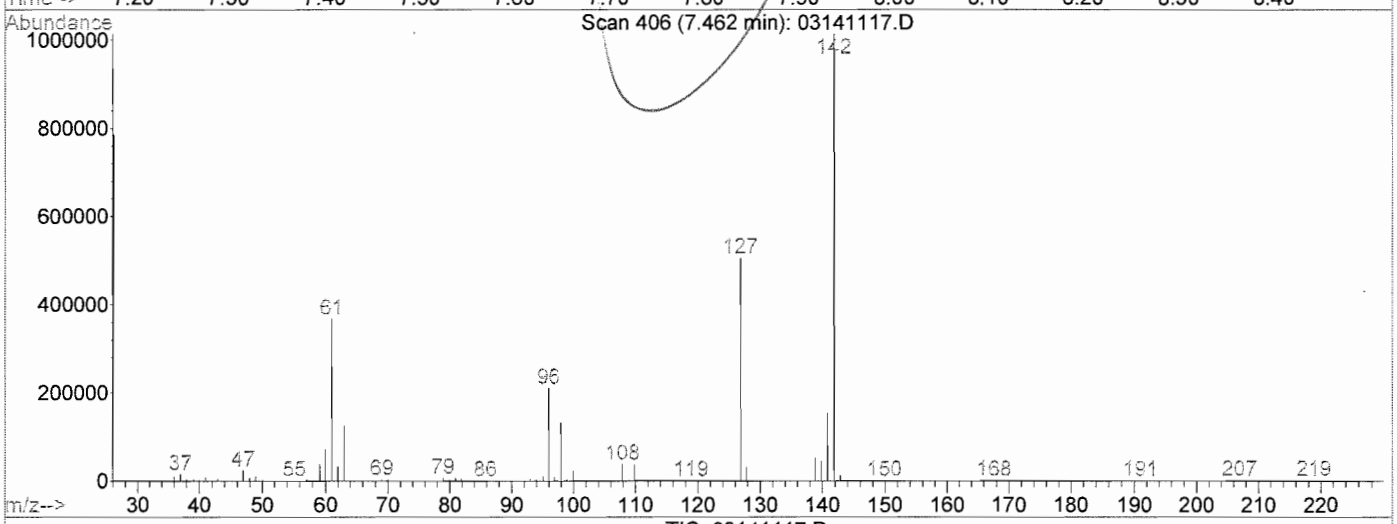


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:07 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





TIC: 03141117.D

(12) Iodomethane (T)

7.46min 175.09ug/L

response 3688724

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	49.98
141.00	14.20	14.19
0.00	0.00	0.00

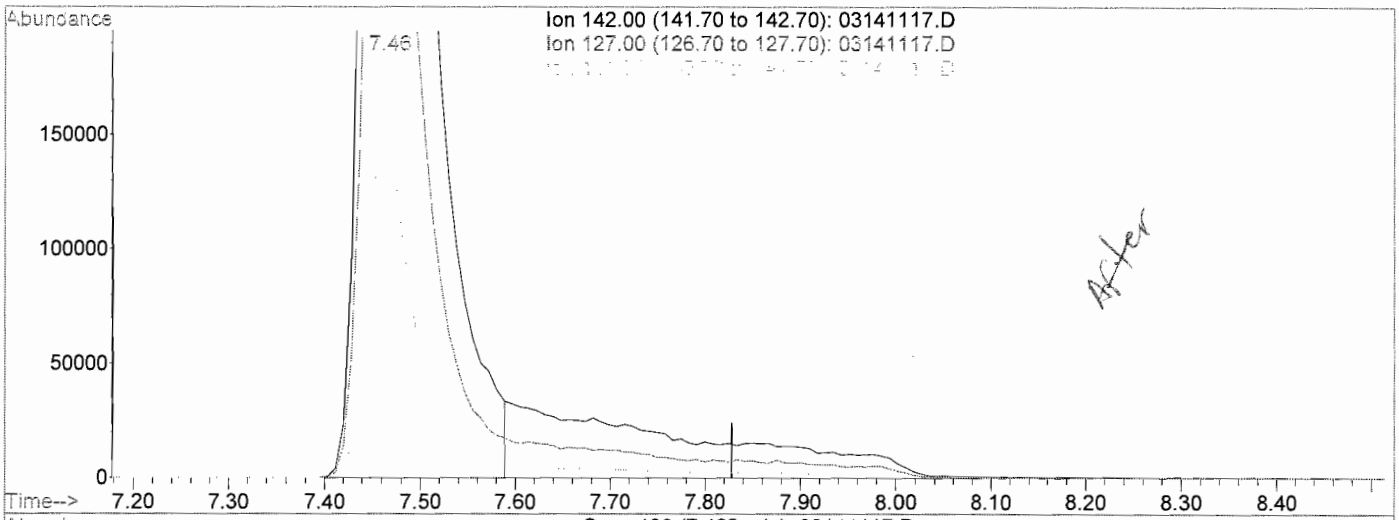
NL 3/17/11

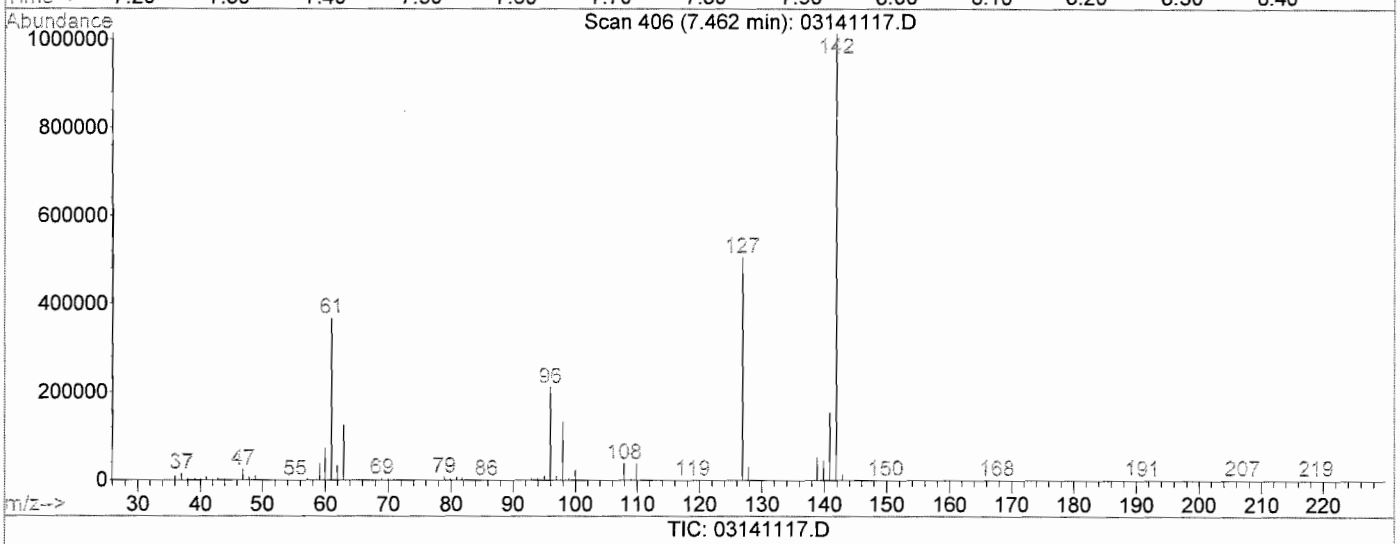
03141117.D 030211.M Mon Mar 14 16:07:44 2011 m 3/17/11

Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:07 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Multiple Level Calibration





(12) Iodomethane (T)

7.46min 161.63ug/L m

response 3403531

Ion	Exp%	Act%
142.00	100	100
127.00	44.30	54.17#
141.00	14.20	15.37
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:07 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.32	65	129365	200.00	ug/L	0.00
4) Pentafluorobenzene	10.47	168	699660	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.61	114	1006186	25.00	ug/L	0.00
48) Chlorobenzene-d5	15.95	117	917970	25.00	ug/L	-0.02
61) 1,4-Dichlorobenzene-d4	19.41	152	479748	25.00	ug/L	-0.02
System Monitoring Compounds						
29) Dibromofluoromethane	9.98	113	398274	23.66	ug/L	0.00
Spiked Amount 25.000			Recovery = 94.64%			
46) Toluene-d8	13.99	98	1157719	26.66	ug/L	0.00
Spiked Amount 25.000			Recovery = 106.64%			
60) 4-Bromofluorobenzene	17.62	95	485250	26.33	ug/L	-0.02
Spiked Amount 25.000			Recovery = 105.32%			

Target Compounds						Qvalue
2) Ethanol	5.91	45	94550	853.57	ug/L	96
3) tert-Butanol (TBA)	7.42	59	623983	654.44	ug/L	96
5) Dichlorodifluoromethane	4.48	85	4978796	182.92	ug/L	99
6) Chloromethane	4.77	50	3627894	149.08	ug/L	100
7) Vinyl chloride	5.04	62	2933915	176.92	ug/L	100
8) Bromomethane	5.66	94	3378676	166.69	ug/L	100
9) Chloroethane	5.87	64	2408104	154.90	ug/L	98
10) Trichlorofluoromethane	6.68	101	6350872	212.45	ug/L	100
11) Acetone	6.83	43	712547	191.25	ug/L	97
12) Iodomethane	7.46	142	3403531m	161.63	ug/L	
13) 1,1-Dichloroethene	7.41	96	3203884	191.81	ug/L	95
14) Methylene chloride	7.60	84	3539558	174.72	ug/L	99
15) Freon 113	7.66	101	4003342	200.85	ug/L	95
16) Carbon disulfide	7.93	76	8527296	179.62	ug/L	97
17) trans-1,2-Dichloroethene	8.49	96	3483064	189.57	ug/L	99
18) MTBE	8.62	73	7020635	225.67	ug/L	98
19) 1,1-Dichloroethane	8.81	63	6427460	180.85	ug/L	99
20) Vinyl acetate	8.96	43	3622976	235.49	ug/L	100
21) n-Hexane	9.33	86	604351	157.54	ug/L	91
22) 2-Butanone (MEK)	9.35	72	170530	177.07	ug/L #	80
23) Diisopropylether (DIPE)	9.37	45	11136877	175.96	ug/L	99
24) cis-1,2-dichloroethene	9.55	96	3661493	184.60	ug/L	98
25) Bromochloromethane	9.77	128	1405227	185.40	ug/L	91
26) Chloroform	9.82	83	6678986	194.01	ug/L	96
27) 2,2-Dichloropropane	9.93	77	5304843	199.51	ug/L	99
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	9368890	211.04	ug/L	97
30) 1,2-Dichloroethane	10.66	62	4567841	222.78	ug/L	96
31) 1,1,1-Trichloroethane	10.80	97	6043640	218.93	ug/L	99
32) (TAME) tert-Amyl methy eth	11.50	73	6670791	211.48	ug/L	97
34) 1,1-Dichloropropene	11.03	75	4722226	217.45	ug/L	98
35) Carbon tetrachloride	11.28	117	5241717	289.16	ug/L	98
36) Benzene	11.32	78	11220600	190.61	ug/L	94
37) Dibromomethane	12.05	93	1825022	219.05	ug/L	94
38) 1,2-Dichloropropane	12.09	63	2880453	187.12	ug/L	90
39) Trichloroethene	12.15	95	3587777	214.45	ug/L	99
40) Bromodichloromethane	12.21	83	4858580	244.45	ug/L	100

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

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:07 2011 Quant Results File: 030211.RES

Quant Method : C:\HPCHEM\1...\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

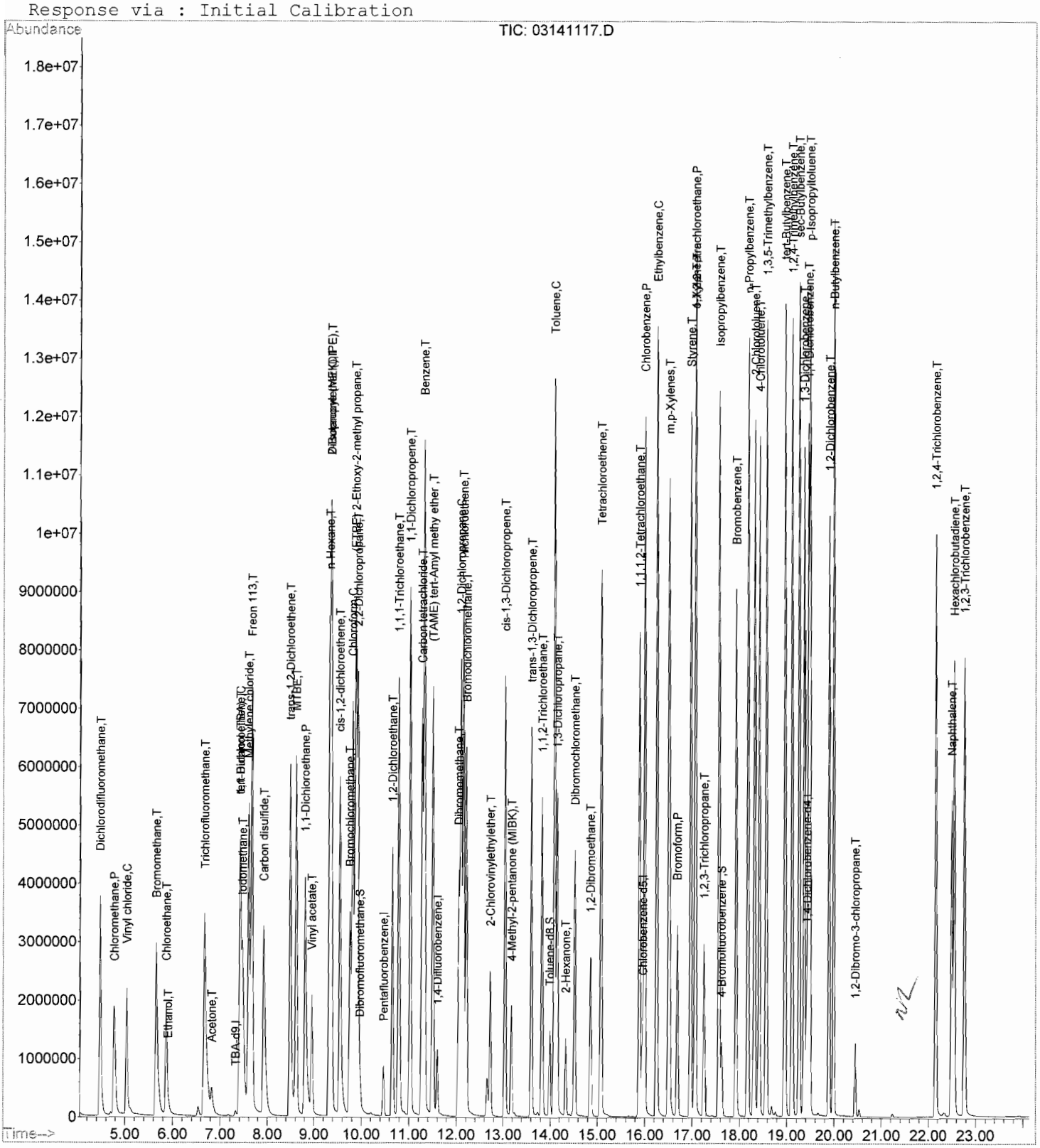
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
41)	2-Chlorovinylethylether	12.73	63	1142848	250.79 ug/L		96
42)	cis-1,3-Dichloropropene	13.04	75	4684444	219.87 ug/L		93
43)	4-Methyl-2-pentanone (MIBK	13.17	43	1726401	222.61 ug/L		100
44)	trans-1,3-Dichloropropene	13.61	75	4141624	245.63 ug/L		96
45)	1,1,2-Trichloroethane	13.83	97	2150786	221.42 ug/L		97
47)	Toluene	14.09	92	6860422	202.24 ug/L		97
49)	1,3-Dichloropropane	14.15	76	3459676	184.59 ug/L		100
50)	2-Hexanone	14.33	43	1133041	196.80 ug/L		99
51)	Dibromochloromethane	14.52	129	3004500	243.37 ug/L		100
52)	1,2-Dibromoethane	14.85	107	2245419	211.83 ug/L		99
53)	Tetrachloroethene	15.08	164	2909810	201.87 ug/L		99
54)	1,1,1,2-Tetrachloroethane	15.88	131	3044708	216.43 ug/L		96
55)	Chlorobenzene	15.99	112	7715745	188.75 ug/L		99
56)	Ethylbenzene	16.25	91	12545598	181.33 ug/L		98
57)	m,p-Xylenes	16.52	106	4695826	186.18 ug/L		100
58)	Styrene	16.96	104	7335940	195.45 ug/L		98
59)	o-Xylene	17.07	106	4257910	174.17 ug/L		98
62)	Bromoform	16.69	173	1975315	256.84 ug/L		99
63)	1,1,2,2-Tetrachloroethane	17.06	83	1734795	162.81 ug/L	#	98
64)	1,2,3-Trichloropropane	17.26	110	571615	200.36 ug/L		97
65)	Isopropylbenzene	17.57	105	11035185	182.02 ug/L		99
66)	Bromobenzene	17.93	156	3228495	187.05 ug/L		96
67)	n-Propylbenzene	18.18	91	13380305	165.08 ug/L		97
68)	2-Chlorotoluene	18.32	91	8711898	171.00 ug/L		100
69)	4-Chlorotoluene	18.42	91	8804435	173.45 ug/L		98
70)	1,3,5-Trimethylbenzene	18.58	105	9721195	179.11 ug/L		99
71)	tert-Butylbenzene	18.96	119	7867457	180.99 ug/L		97
72)	1,2,4-Trimethylbenzene	19.12	105	9604835	177.67 ug/L		99
73)	sec-Butylbenzene	19.26	105	11909009	168.52 ug/L		98
74)	1,3-Dichlorobenzene	19.36	146	5330110	168.84 ug/L		98
75)	1,4-Dichlorobenzene	19.44	146	5270566	169.81 ug/L		98
76)	p-Isopropyltoluene	19.49	119	9529633	171.70 ug/L		98
77)	1,2-Dichlorobenzene	19.89	146	4794946	174.30 ug/L		98
78)	n-Butylbenzene	19.98	91	9702846	169.01 ug/L		97
79)	1,2-Dibromo-3-chloropropan	20.45	75	325159	181.37 ug/L		96
80)	1,2,4-Trichlorobenzene	22.15	180	4352414	217.69 ug/L		99
81)	Naphthalene	22.50	128	5414389	208.63 ug/L		98
82)	Hexachlorobutadiene	22.55	225	2333987	223.71 ug/L		99
83)	1,2,3-Trichlorobenzene	22.77	180	3553855	217.08 ug/L		99

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

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141117.D Vial: 14
Acq On : 14 Mar 2011 3:29 pm Operator: NL
Sample : 200 PPB CAL PT Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 16:07 2011 Quant Results File: 030211.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\030211.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Thu Mar 03 11:37:02 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141118.D Vial: 15
Acq On : 14 Mar 2011 4:02 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

Clean out

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) TBA-d9	7.32	65	137543	200.00 ug/L	0.00
4) Pentafluorobenzene	10.47	168	705780	25.00 ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1053626	25.00 ug/L	0.00
48) Chlorobenzene-d5	15.95	117	944501	25.00 ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	550559	25.00 ug/L	0.00
System Monitoring Compounds					
29) Dibromofluoromethane	9.97	113	402864	24.90 ug/L	0.00
Spiked Amount 25.000			Recovery	= 99.60%	
46) Toluene-d8	13.99	98	1158834	24.94 ug/L	0.00
Spiked Amount 25.000			Recovery	= 99.76%	
60) 4-Bromofluorobenzene	17.62	95	528692	25.38 ug/L	0.00
Spiked Amount 25.000			Recovery	= 101.52%	

Target Compounds					Qvalue
2) Ethanol	5.92	45	134032	2444.80 ug/L	99
3) tert-Butanol (TBA)	7.42	59	479927	703.15 ug/L #	89
6) Chloromethane	4.77	50	18689	1.27 ug/L	79
7) Vinyl chloride	5.04	62	2359	0.15 ug/L	96
8) Bromomethane	5.65	94	6715	1.36 ug/L	98
11) Acetone	6.84	43	154438	44.16 ug/L	97
12) Iodomethane	7.48	142	19291	2.94 ug/L #	94
13) 1,1-Dichloroethene	7.40	96	2884	0.17 ug/L	94
14) Methylene chloride	7.60	84	8443	0.43 ug/L	85
15) Freon 113	7.66	101	2259	0.11 ug/L #	75
16) Carbon disulfide	7.93	76	46228	1.01 ug/L	99
17) trans-1,2-Dichloroethene	8.47	96	6358	0.34 ug/L	83
18) MTBE	8.63	73	15129	0.45 ug/L	98
20) Vinyl acetate	8.97	43	11349	0.70 ug/L #	94
21) n-Hexane	9.32	86	394	0.11 ug/L #	1
22) 2-Butanone (MEK)	9.35	72	21253	22.82 ug/L #	1
23) Diisopropylether (DIPE)	9.36	45	12563	0.20 ug/L #	1
24) cis-1,2-dichloroethene	9.55	96	6259	0.31 ug/L	91
25) Bromochloromethane	9.76	128	3934	0.57 ug/L #	77
26) Chloroform	9.82	83	5199	0.14 ug/L	97
28) (ETBE) 2-Ethoxy-2-methyl p	9.88	59	12079	0.25 ug/L	95
30) 1,2-Dichloroethane	10.66	62	9666	0.41 ug/L	93
31) 1,1,1-Trichloroethane	10.80	97	2967	0.09 ug/L #	50
32) (TAME) tert-Amyl methy eth	11.50	73	18345	0.54 ug/L	95
34) 1,1-Dichloropropene	11.02	75	3339	0.13 ug/L	92
36) Benzene	11.33	78	7268	0.11 ug/L #	90
37) Dibromomethane	12.05	93	7731	0.80 ug/L	95
38) 1,2-Dichloropropane	12.09	63	2091	0.13 ug/L #	49
39) Trichloroethene	12.14	95	3598	0.18 ug/L	96
40) Bromodichloromethane	12.20	83	4768	0.18 ug/L	90
41) 2-Chlorovinylethylether	12.74	63	5065	0.93 ug/L	93
42) cis-1,3-Dichloropropene	13.04	75	9776	0.39 ug/L #	78
43) 4-Methyl-2-pentanone (MIBK	13.18	43	81138	9.88 ug/L	96
44) trans-1,3-Dichloropropene	13.61	75	12226	0.59 ug/L #	77
45) 1,1,2-Trichloroethane	13.83	97	5100	0.46 ug/L	87
47) Toluene	14.09	92	8027	0.20 ug/L	98

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

NT 3/15/11

3/16/11

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141118.D Vial: 15
Acq On : 14 Mar 2011 4:02 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

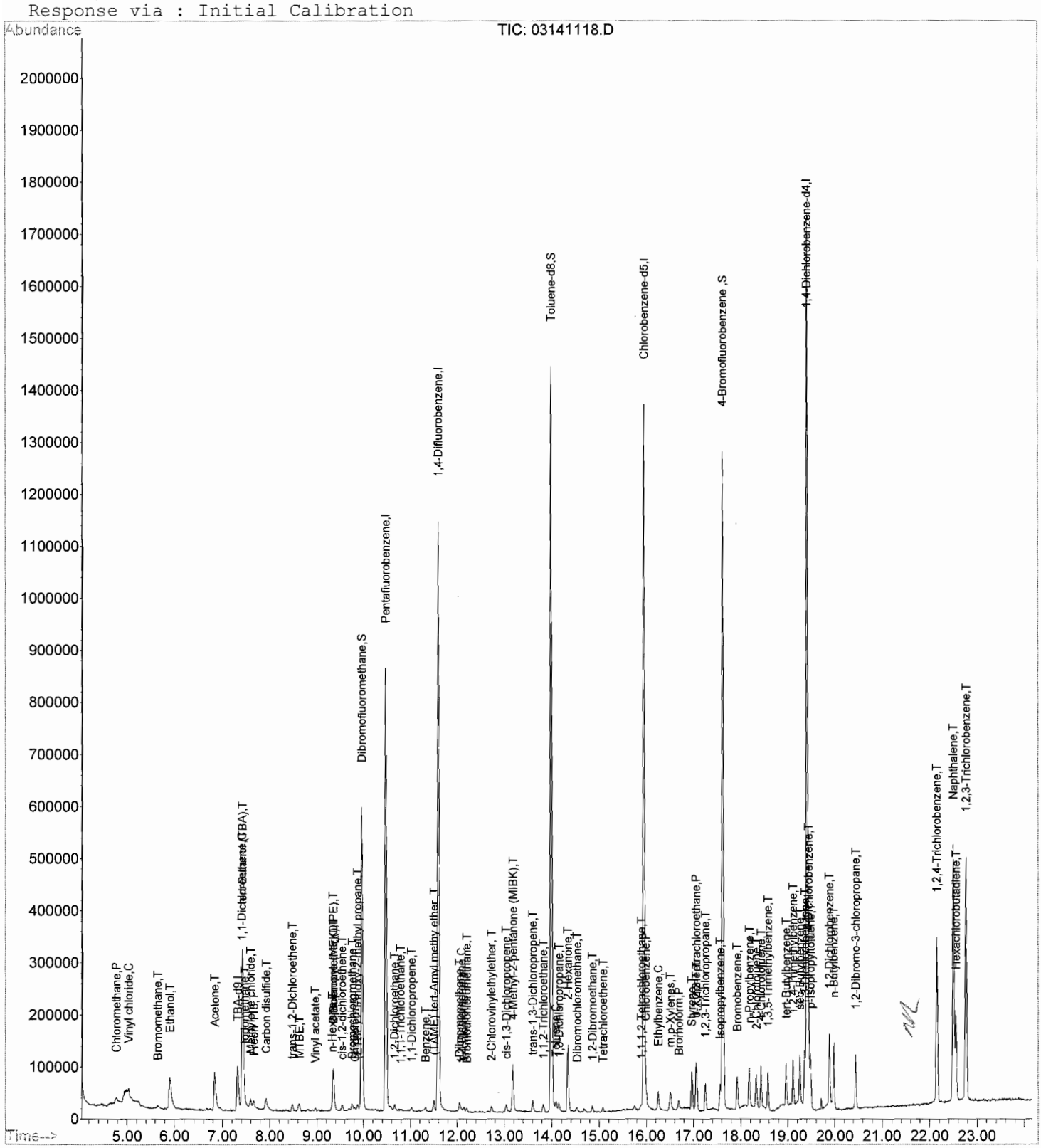
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
49)	1,3-Dichloropropane	14.15	76	8666	0.47 ug/L	#	87
50)	2-Hexanone	14.33	43	118085	20.36 ug/L		99
51)	Dibromochloromethane	14.52	129	5962	0.41 ug/L		96
52)	1,2-Dibromoethane	14.85	107	8978	0.81 ug/L		98
53)	Tetrachloroethene	15.07	164	2634	0.16 ug/L		90
54)	1,1,1,2-Tetrachloroethane	15.89	131	6056	0.36 ug/L	#	39
55)	Chlorobenzene	15.99	112	19634	0.45 ug/L		90
56)	Ethylbenzene	16.25	91	42390	0.55 ug/L		93
57)	m,p-Xylenes	16.51	106	14995	0.55 ug/L		93
58)	Styrene	16.96	104	43945	1.06 ug/L		98
59)	o-Xylene	17.06	106	20333	0.60 ug/L	#	84
62)	Bromoform	16.69	173	10031	1.02 ug/L		95
63)	1,1,2,2-Tetrachloroethane	17.05	83	30576	2.87 ug/L	#	93
64)	1,2,3-Trichloropropane	17.26	110	9536	3.09 ug/L		95
65)	Isopropylbenzene	17.56	105	45190	0.64 ug/L		92
66)	Bromobenzene	17.93	156	22927	1.17 ug/L		98
67)	n-Propylbenzene	18.18	91	95436	1.04 ug/L		93
68)	2-Chlorotoluene	18.32	91	53576	0.93 ug/L	#	87
69)	4-Chlorotoluene	18.42	91	62314	1.06 ug/L		98
70)	1,3,5-Trimethylbenzene	18.58	105	53943	0.85 ug/L		99
71)	tert-Butylbenzene	18.96	119	48237	0.94 ug/L		97
72)	1,2,4-Trimethylbenzene	19.11	105	78643	1.24 ug/L		89
73)	sec-Butylbenzene	19.25	105	98501	1.21 ug/L		99
74)	1,3-Dichlorobenzene	19.36	146	60665	1.73 ug/L		98
75)	1,4-Dichlorobenzene	19.44	146	59999	1.71 ug/L	#	92
76)	p-Isopropyltoluene	19.48	119	91875	1.40 ug/L	#	87
77)	1,2-Dichlorobenzene	19.88	146	70992	2.32 ug/L		97
78)	n-Butylbenzene	19.98	91	101557	1.54 ug/L		95
79)	1,2-Dibromo-3-chloropropan	20.45	75	26725	13.87 ug/L		95
80)	1,2,4-Trichlorobenzene	22.15	180	141163	5.68 ug/L		98
81)	Naphthalene	22.50	128	487138	16.81 ug/L		99
82)	Hexachlorobutadiene	22.56	225	49114	3.74 ug/L		99
83)	1,2,3-Trichlorobenzene	22.77	180	213207	10.69 ug/L		99

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

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141118.D Vial: 15
Acq On : 14 Mar 2011 4:02 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141119.D Vial: 16
Acq On : 14 Mar 2011 4:35 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

clean out

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) TBA-d9	7.31	65	127967	200.00	ug/L	0.00
4) Pentafluorobenzene	10.47	168	713608	25.00	ug/L	0.00
33) 1,4-Difluorobenzene	11.60	114	1048264	25.00	ug/L	0.00
48) Chlorobenzene-d5	15.95	117	936781	25.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	19.41	152	514803	25.00	ug/L	0.00
System Monitoring Compounds						
29) Dibromofluoromethane	9.97	113	406352	24.84	ug/L	0.00
Spiked Amount 25.000			Recovery = 99.36%			
46) Toluene-d8	13.99	98	1155511	24.99	ug/L	0.00
Spiked Amount 25.000			Recovery = 99.96%			
60) 4-Bromofluorobenzene	17.62	95	515047	24.92	ug/L	0.00
Spiked Amount 25.000			Recovery = 99.68%			
Target Compounds						Qvalue
2) Ethanol	5.91	45	68363	1340.28	ug/L	96
3) tert-Butanol (TBA)	7.43	59	119287	184.19	ug/L #	90
6) Chloromethane	4.78	50	6431	0.43	ug/L	98
8) Bromomethane	5.69	94	1923	0.98	ug/L	90
11) Acetone	6.84	43	2876	0.81	ug/L #	88
12) Iodomethane	7.48	142	2381	1.93	ug/L #	84
14) Methylene chloride	7.59	84	3564	0.18	ug/L	82
16) Carbon disulfide	7.92	76	20512	0.44	ug/L	99
17) trans-1,2-Dichloroethene	8.48	96	2786	0.15	ug/L #	53
21) n-Hexane	9.32	86	335	0.10	ug/L	77
24) cis-1,2-dichloroethene	9.54	96	2913	0.14	ug/L #	53
25) Bromochloromethane	9.75	128	1386	0.20	ug/L #	86
37) Dibromomethane	12.04	93	2172	0.22	ug/L #	19
42) cis-1,3-Dichloropropene	13.04	75	2743	0.11	ug/L #	56
43) 4-Methyl-2-pentanone (MIBK	13.18	43	3950	0.48	ug/L	89
44) trans-1,3-Dichloropropene	13.60	75	3578	0.17	ug/L #	66
45) 1,1,2-Trichloroethane	14.01	97	12843	1.17	ug/L #	1
50) 2-Hexanone	14.34	43	6863	1.19	ug/L #	91
52) 1,2-Dibromoethane	14.86	107	1251	0.11	ug/L	97
54) 1,1,1,2-Tetrachloroethane	15.90	131	1687	0.10	ug/L #	29
55) Chlorobenzene	15.99	112	4112	0.10	ug/L #	41
57) m,p-Xylenes	16.51	106	2763	0.10	ug/L	95
58) Styrene	16.97	104	5794	0.14	ug/L	95
59) o-Xylene	17.06	106	2449	Below Cal	#	93
63) 1,1,2,2-Tetrachloroethane	17.05	83	1505	0.15	ug/L #	84
64) 1,2,3-Trichloropropane	17.25	110	394	0.14	ug/L #	85
65) Isopropylbenzene	17.57	105	7274	0.11	ug/L #	89
66) Bromobenzene	17.92	156	3004	0.16	ug/L #	75
68) 2-Chlorotoluene	18.32	91	8833	0.16	ug/L #	78
69) 4-Chlorotoluene	18.42	91	10215	0.19	ug/L	97
70) 1,3,5-Trimethylbenzene	18.57	105	9715	0.16	ug/L	98
71) tert-Butylbenzene	18.96	119	10451	0.22	ug/L	95
72) 1,2,4-Trimethylbenzene	19.10	105	14754	0.25	ug/L	100
73) sec-Butylbenzene	19.25	105	18222	0.24	ug/L #	87
74) 1,3-Dichlorobenzene	19.36	146	17425	0.53	ug/L #	81
75) 1,4-Dichlorobenzene	19.44	146	10200	0.31	ug/L #	54

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141119.D Vial: 16
Acq On : 14 Mar 2011 4:35 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

Quant Method : C:\HPCHEM\1...\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration
DataAcq Meth : 8260B

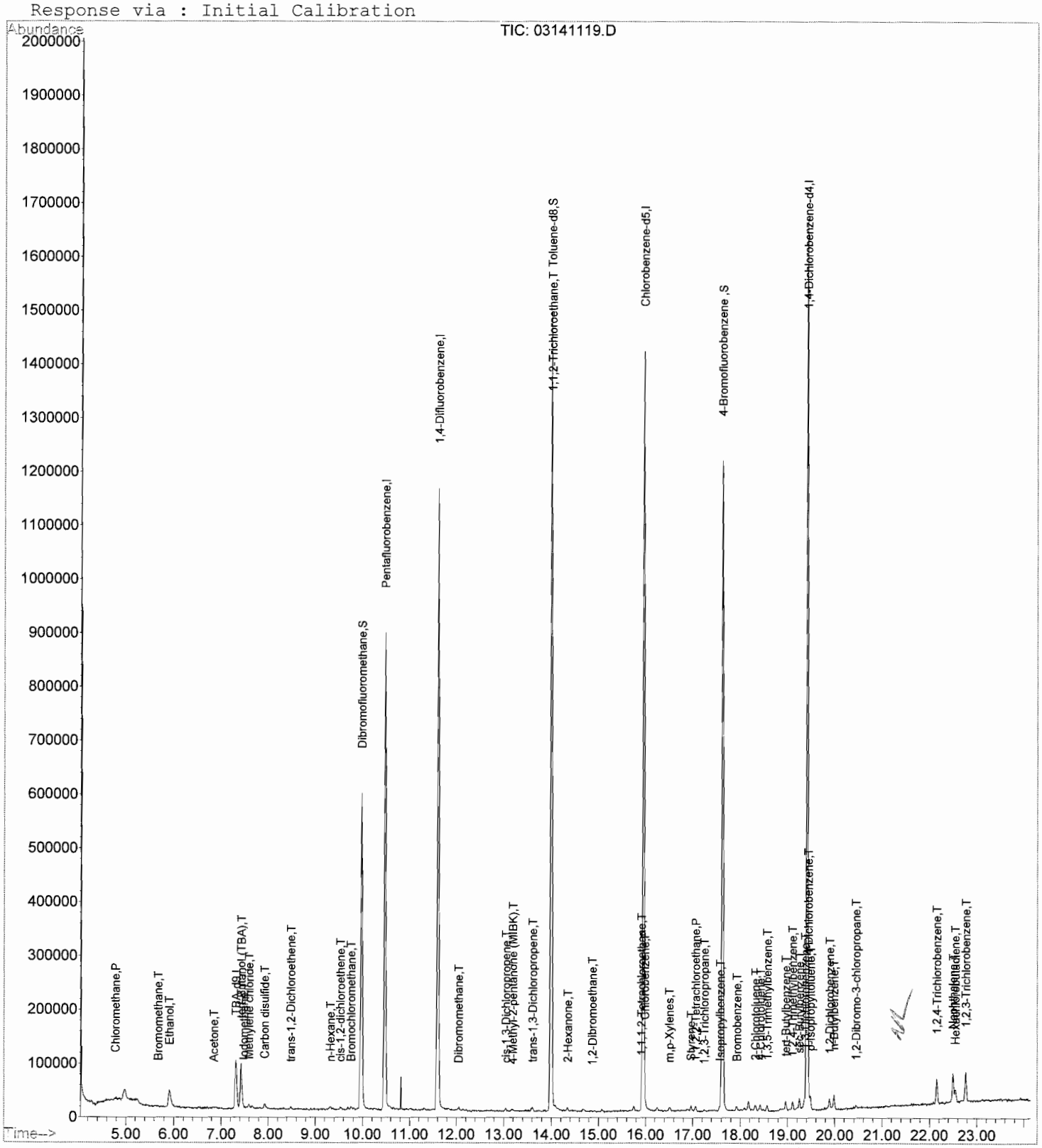
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
76)	p-Isopropyltoluene	19.48	119	22557	0.37 ug/L	#	85
77)	1,2-Dichlorobenzene	19.89	146	10550	0.37 ug/L		94
78)	n-Butylbenzene	19.98	91	23432	0.38 ug/L		97
79)	1,2-Dibromo-3-chloropropan	20.45	75	1685	0.94 ug/L		89
80)	1,2,4-Trichlorobenzene	22.15	180	20340	0.87 ug/L		98
81)	Naphthalene	22.50	128	53317	1.97 ug/L		99
82)	Hexachlorobutadiene	22.56	225	7226	0.59 ug/L	#	90
83)	1,2,3-Trichlorobenzene	22.77	180	26198	1.41 ug/L		97

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

Quantitation Report

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141119.D Vial: 16
Acq On : 14 Mar 2011 4:35 pm Operator: NL
Sample : BLANK Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 15 14:26 2011 Quant Results File: 031411.RES

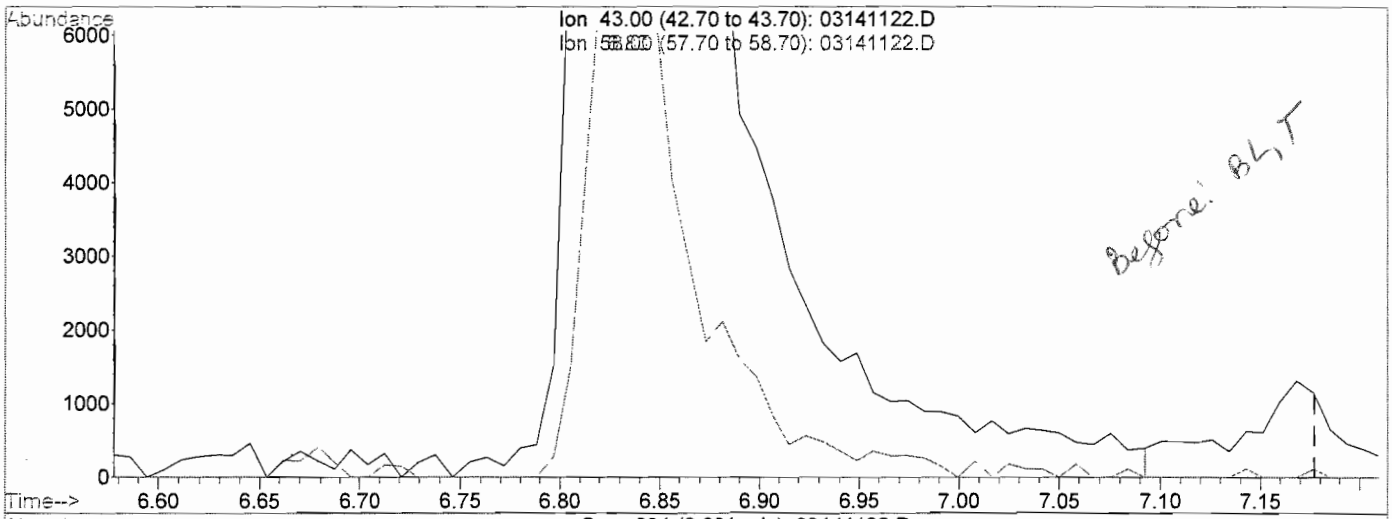
Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Initial Calibration

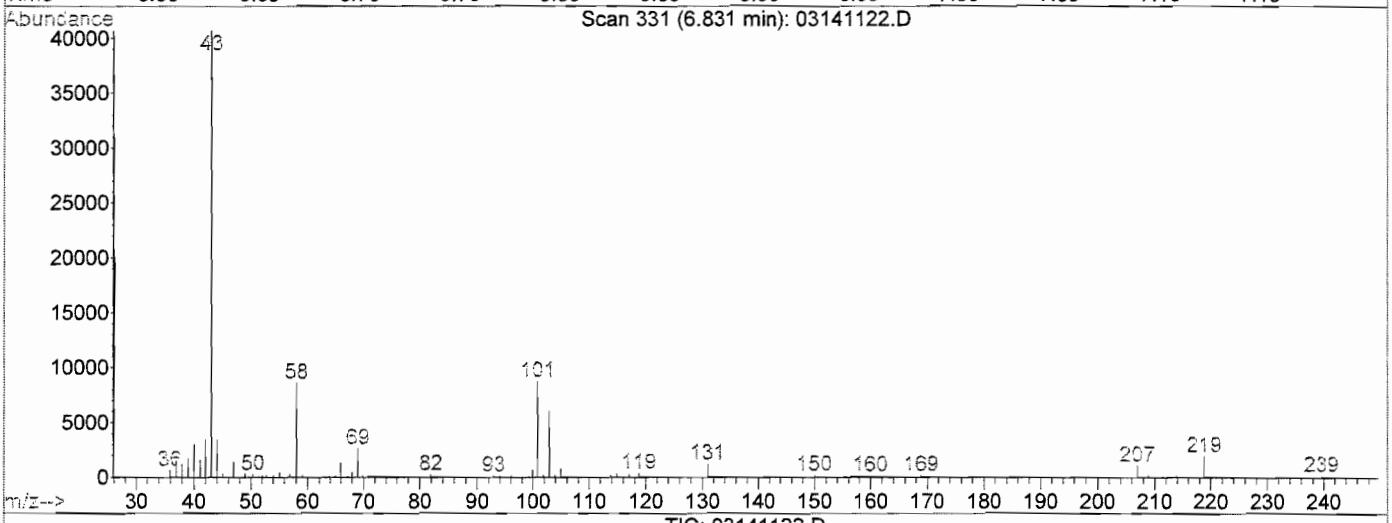


Quantitation Report (Qedit)

Data File : C:\HPCHEM\1\GCMS13\DATA\031411\03141122.D Vial: 2
Acq On : 14 Mar 2011 6:01 pm Operator: NL
Sample : BS/ICV Inst : GCMS13
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 14 18:41 2011 Quant Results File: temp.res

Method : C:\HPCHEM\1\GCMS13\METHODS\031411.M (RTE Integrator)
Title : USEPA Method 8260
Last Update : Mon Mar 14 16:22:34 2011
Response via : Multiple Level Calibration





TIC: 03141122.D

(11) Acetone (T)

6.83min 37.77ug/L

response 132114

Ion	Exp%	Act%
43.00	100	100
58.00	21.30	20.63
0.00	0.00	0.00
0.00	0.00	0.00

NL 3/15/11

03141122.D 031411.M Tue Mar 15 14:37:27 2011

NL 3/15/11